



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)
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-



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

Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

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

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

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 INDUSTRIAL 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.

Southmost Regional Water Authority (CN6000659858) and Public Utilities Board of the City of Brownsville, Texas (CN601658651) operates Southmost Regional Water Authority WTP (RN103930335), a Reverse Osmosis Potable Water Treatment Plant. The facility is located at 1255 FM 511, in Brownsville, Cameron County, Texas 78526. The Southmost Regional Water Authority is herein applying to renew the Texas Pollutant Discharge Elimination System (TPDES) permit no. WQ0004541000 (EPA ID no. TX0124664 to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 4,000,000 gallons per day. The discharge route is from the plant site to Olmito Branch of Ditch no. 3 of the Cameron County Drainage District (CCDD) no. 1; thence to Ditch no. 3 of CCDD; thence to Main Ditch no. 2 of CCDD; thence to San Martin Lake; thence to Brownsville Ship Channel.

Discharges from the facility are expected to contain Total Dissolve Solids. Process wastewater from treatment operations is treated by micro-filter backwashing settling in a concrete lagoon

before the clear decant is discharged. There is no other treatment for the other waste streams. All waste streams are blended and discharged via permitted outfall 001.

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

AGUAS RESIDUALES INDUSTRIALES /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.

Southmost Regional Water Authority (CN6000659858) y Public Utilities Board de la Ciudad de Brownsville, Texas (CN601658651) opera Southmost Regional Water Authority (RN103930355, una Planta de Tratamiento de Agua Potable de Osmosis Inversa. La instalación está ubicada en 1255 FM 511, en Brownsville, Condado de Cameron, Texas 78526. La Southmost Regional Water Authority por este medio está aplicando para la renovación del permiso del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) no. WQ0004541000 (EPA ID no. TX0124664) para autorizar la descarga aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 4,000,000 de galones al día. La ruta de descarga es del sitio de la planta a la Ramificación de Drenos no. 3 del Canal de Drenaje no. 1 del Condado de Cameron; de allí al Canal no. 3 del Canal de Drenaje no. 1 del Condado de Cameron; de allí al Canal Principal no. 2 del Canal de Drenaje no. 1 del Condado de Cameron; de allí al Lago San Martin; de allí al Canal de Navegación de Brownsville.

Se espera que las descargas de la instalación contengan Solidos Totales Disueltos. EL agua residual de las operaciones de tratamiento. está tratado por el asentamiento de las aguas de retro lavado de los microfiltros en una laguna de concreto antes de que el decantado claro sea descargado. No hay otro tratamiento para los otros flujos de agua residual. Todos los flujos de agua residual son mezclados y descargados a través del desagüe permitido 001.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

RENEWAL PERMIT NO. WQ0004541000

APPLICATION. Southmost Regional Water Authority and Public Utilities Board of the City of Brownsville, Texas, P.O. Box 3270, Brownsville, Texas 78523, which owns a reverse osmosis potable water treatment facility, have applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0004541000 (EPA I.D. No. TX0124664) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 4,000,000 gallons per day. The facility is located at 1255 Farm-to-Market Road 511, in the city of Brownsville, in Cameron County, Texas 78526. The discharge route is from the plant site via Outfall 001 to Olmito Branch of Ditch No. 3 of Cameron County Drainage Ditch (CCDD) No. 1, thence to Ditch No. 3 of CCDD No. 1, thence to Main Ditch No. 2 of CCDD No. 1; thence to San Martin Lake; thence to Brownsville Ship Channel. TCEQ received this application on April 9, 2025. The permit application will be available for viewing and copying at Brownsville Public Library - Main Branch, Lobby Front Desk, 2600 Central Boulevard, Brownsville, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.500277,26.0225&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 Southmost Regional Water Authority and Public Utilities Board of the City of Brownsville, Texas at the address stated above or by calling Mr. Jose Lechuga, R.E.M., Lead Environmental Compliance Specialist, at 956-983-6518.

Issuance Date: May 2, 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. WQ0004541000

SOLICITUD. Southmost Regional Water Authority y Public Utilities de la Ciudad de Brownsville, Texas, P.O. Box 3270, Brownsville, Texas 78523, que posee una planta tratadora de agua de osmosis inversa, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0004541000 (EPA I.D. No. TX 0124664) 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 4,000,000 galones por día. La planta está ubicada en el 1255 Farm-to-Market Road 511, en la ciudad Brownsville, en el Condado de Cameron, Texas 78526. La ruta de descarga es del sitio de la planta a través del desagüe 001 a la Ramificación de Drenes No. 3 de Olmito del Canal de Drenaje No. 1 del Condado de Cameron; de allí al Canal No. 3 del Canal de Drenaje No. 1 del Condado de Cameron; de allí al Canal Principal No. 2 del Canal de Drenaje No. 1 del Condado de Cameron; de allí al Lago San Martin; de allí al Canal de Navegación de Brownsville. La TCEQ recibió esta solicitud el 9 de Abril del 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Librería Pública de Brownsville ubicada en el 2600 Central Boulevard, Brownsville, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

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

Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.500277,26.0225&level=18>

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 específico. Si desea que se agregue 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 Southmost Regional Water Authority y del Public Utilities Board de la Ciudad de Brownsville, Texas en la dirección indicada arriba o llamando al Sr. Jose Lechuga, REM, Lead Environmental Compliance Specialist al 956-983-6518.

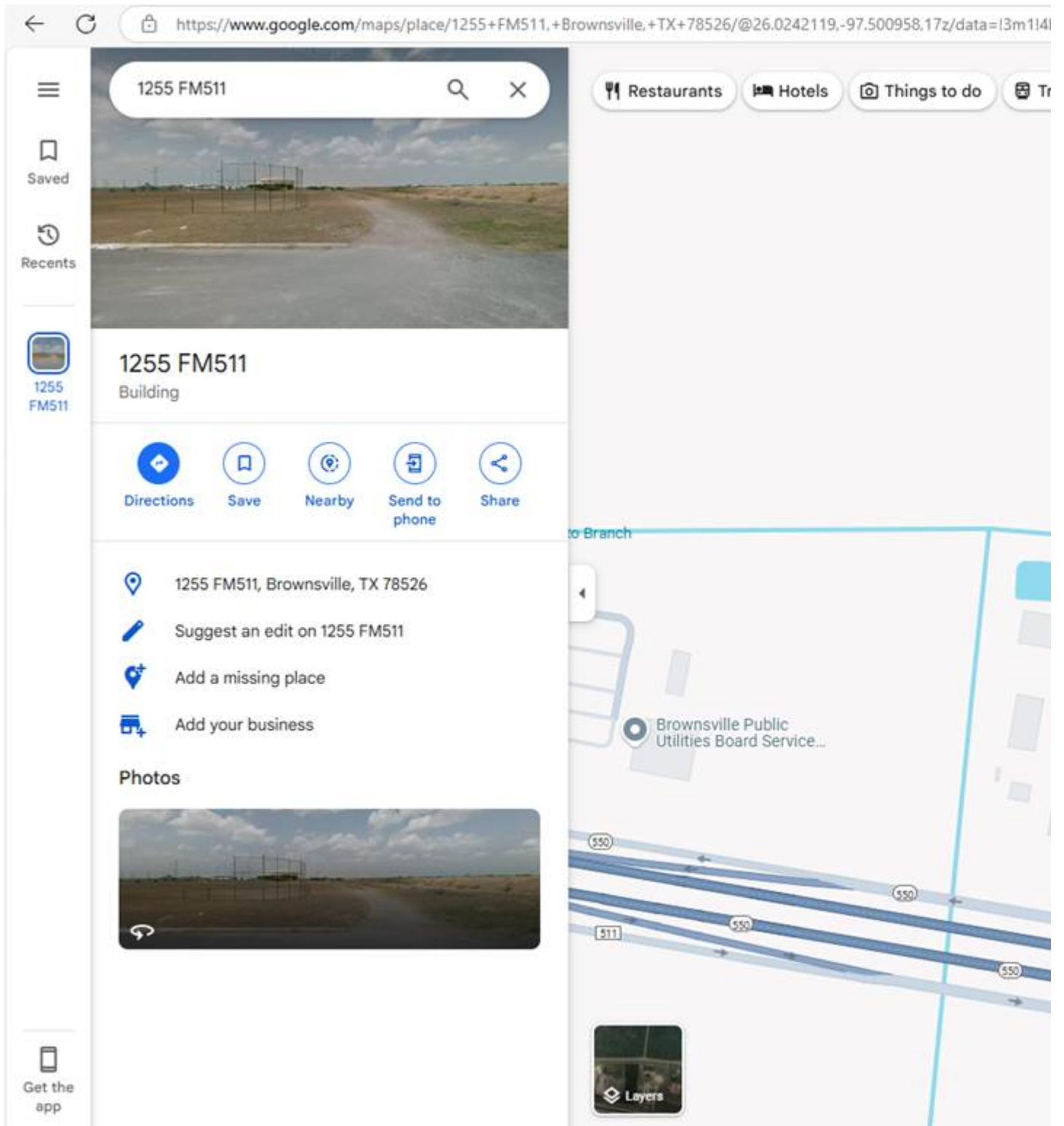
Fecha de emisión: 2 de mayo de 2025

Abesha Michael

From: Lechuga, Jose <JLechuga@brownsville-pub.com>
Sent: Friday, May 2, 2025 11:20 AM
To: Abesha Michael
Cc: Capistran, Ramiro
Subject: RE: Application to Renew Permit No. WQ0004541000 - Notice of Deficiency Letter

Dear Ms. Michael,

Following up on our phone conversation, I want to confirm that the Southmost Regional Water Authority is located at 1255 Farm-to-Market Road 511 (also known as 1255 FM 511) in Brownsville, Texas, 78526. Please refer to the image below for reference. Additionally, FM 511 also passes through the City of Olmito. Please let me know if any further action is required from me.



Stay safe and have a wonderful day.

Best regards,

Abesha Michael

From: Lechuga, Jose <JLechuga@brownsville-pub.com>
Sent: Friday, April 11, 2025 5:50 PM
To: Abesha Michael
Cc: Galvan, Jacob C; Capistran, Ramiro; Garza, Jose Armando; Adams, Judy
Subject: RE: Application to Renew Permit No. WQ0004541000 - Notice of Deficiency Letter
Attachments: WQ0004541000-nod1.pdf; FW: Your shipment was delivered 880403903275; Industrial Discharge Renewal Spanish NORI 4-11-2025.docx

Importance: High

Greetings, Mr. Abesha!

I trust this message finds you well and in good health. To address the items listed in the TCEQ's COD letter, please see our responses below:

Item 1: The required documentation (one original and two copies) was sent via FedEx on April 9, 2025 (tracking number: 880403903275). According to FedEx tracking system, the package was delivered today, April 11, 2025, and received by T. Williams. Please see attachment 2, titled "Your shipment was delivered."

Item 2: The English portion of the NORI is confirmed to be 100% accurate.

Item 3: The Spanish version of the NORI is attached in Word format for your review.

If you need any additional information, please don't hesitate to reach out.

Stay safe and have a wonderful weekend.

Best regards,



Jose E. Lechuga
Lead Environmental Compliance Specialist
Environmental Compliance
o: (956) 983-6518
c: (956) 466-0579
JLechuga@brownsville-pub.com

@BPUBOfficial



STAGE 2 DROUGHT. CONSERVE WATER

#EVERYDROPCOUNTS

CONFIDENTIAL NOTICE: The information attached to this e-mail may or may not be confidential and should be treated based on its singular or combined confidential, competitive and sensitive nature. This e-mail and any attached documents are intended to be reviewed only by the individual or individuals named in this communication. As the intended recipient, you are hereby notified that any dissemination or copying of the information contained herein is prohibited.

AVISO DE CONFIDENCIALIDAD: La información que se adjunta a este mensaje de correo electrónico puede o no ser confidencial y debe tratarse en función de su naturaleza confidencial, competitiva y delicada singular o combinada. Este correo electrónico y todo documento adjunto tienen como fin ser revisados solo por la persona o personas mencionadas en esta comunicación. Como destinatario previsto, se le notifica que se prohíbe toda difusión o copia de la información aquí contenida.

From: Abesha Michael <Abesha.Michael@tceq.texas.gov>
Sent: Friday, April 11, 2025 3:06 PM
To: Lechuga, Jose <JLechuga@brownsville-pub.com>
Cc: Galvan, Jacob C <JCGalvan@brownsville-pub.com>
Subject: Application to Renew Permit No. WQ0004541000 - Notice of Deficiency Letter

WARNING - This email originated from outside the organization. Do not click any link or open any attachments unless you are sure this email comes from a known sender and the content is safe. Please report suspicious emails to: SpamAdminsDL@brownsville-pub.com

Dear Mr. Lechuga:

The attached Notice of Deficiency letter sent on April 11, 2025, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by April 25, 2025..

Thank you,



Abesha H. Michael
Applications Review & Processing Team
Water Quality Division Support Section
Water Quality Division, MC 148
PO Box 13087
Austin, Texas 78711
Phone: o: 512-239-4912
Email: abesha.michael@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

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. WQ0004541000

SOLICITUD. Southmost Regional Water Authority y Public Utilities de la Ciudad de Brownsville, Texas, 1255 Farm-to-Market Road 511, en Brownsville, Texas, 78526, que posee una planta tratadora de agua de osmosis inversa, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0004541000 (EPA I.D. No. TX 0124664) 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 4,000,000 galones por día. La planta está ubicada en el 1255 Farm-to-Market Road 511, en la ciudad Brownsville, en el Condado de Cameron, Texas 78526. La ruta de descarga es del sitio de la planta a través del desagüe 001 a la Ramificación de Drenos No. 3 de Olmito del Canal de Drenaje No. 1 del Condado de Cameron; de allí al Canal No. 3 del Canal de Drenaje No. 1 del Condado de Cameron; de allí al Canal Principal No. 2 del Canal de Drenaje No. 1 del Condado de Cameron; de allí al Lago San Martin; de allí al Canal de Navegación de Brownsville. La TCEQ recibió esta solicitud el 9 de Abril del 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Librería Pública de Brownsville ubicada en el 2600 Central Boulevard, Brownsville, 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>.

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<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.500277,26.0225&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 específico. Si desea que se agregue 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 Southmost Regional Water Authority y del Public Utilities Board de la Ciudad de Brownsville, Texas en la dirección indicada arriba o llamando al Sr. Jose Lechuga, REM, Lead Environmental Compliance Specialist al 956-983-6518.

Fecha de emisión: *[Date notice issued]*

TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT RENEWAL APPLICATION

Southmost Regional Water Authority

PERMIT No. WQ0004541000

EPA ID No. TX0124664



ORIGINAL

Prepared By

Environmental Services

April 2025



April 10, 2025

Executive Director
Applications Review and Processing Team (MC148)
Texas Commission on Environmental Quality
12100 Park 35 Circle
Austin, TX 78753

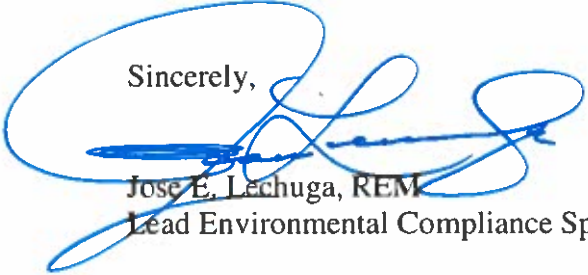
Re: Application to Renew Permit No. WQ0004541000 (EPA ID No. TX0124664)
Southmost Regional Water Authority and Public Utilities Board of the City of
Brownsville, Texas - (CN600659858; RN103930335; CN601658651)

Dear Regulatory Agency,

The Southmost Regional Water Authority (SRWA) and the Public Utilities Board of the City of Brownsville, Texas hereby submit the permit renewal application package, including the original and two (2) copies, for the TPDES permit no. WQ0004541000. The SRWA groundwater reverse osmosis potable water treatment plant is a 4.0 MGD permitted municipal discharge facility.

If you or any members of your staff have any questions or required additional information, please feel free to contact me at (956) 983-6518 or via e-mail at JLechuga@brownsville-pub.com.

Sincerely,



Jose E. Lechuga, REM
Lead Environmental Compliance Specialist

Enclosure

cc: Marilyn Gilbert, General Manager and CEO
Albert Gomez, Jr., PE, REM, Director of Environmental Services
Judy Adams, Division Manager
Jose A. Garza, Water Treatment Manager
File

Supplemental Permit Information Form

**(Separate document with attachments as required by the TCEQ
Memorandum of Agreement with EPA)**

**Southmost Regional Water Authority No. WQ0004541000; EPA ID No.
TX0124664**

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: Southmost Regional Water Authority and Public Utilities Board of the City of Brownsville, Texas.

Permit No. WQ00 04541000EPA ID No. TX 0124664

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

1255 FM 511, Brownsville, Cameron.

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

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

First and Last Name: Jacob Galvan

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

Title: W/WW Operator Chief

Mailing Address: 1255 FM 511

City, State, Zip Code: Brownsville, TX, 78526

Phone No.: 956-983-6480 Ext.: NA Fax No.: 956-350-8973

E-mail Address: JCGalvan@brownsville-pub.com

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

NA

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.

From the plant site to Olmito Branch of Ditch No. 3 of Cameron County Drainage District (CCDD) No. 1; thence to Ditch No.3 of CCDD No. 1; thence to main ditch No 2 of CCDD No.1; thence to San Martin Lake; thence to the Brownsville Ship Channel in segment No. 2494 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):

NA

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

NA

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

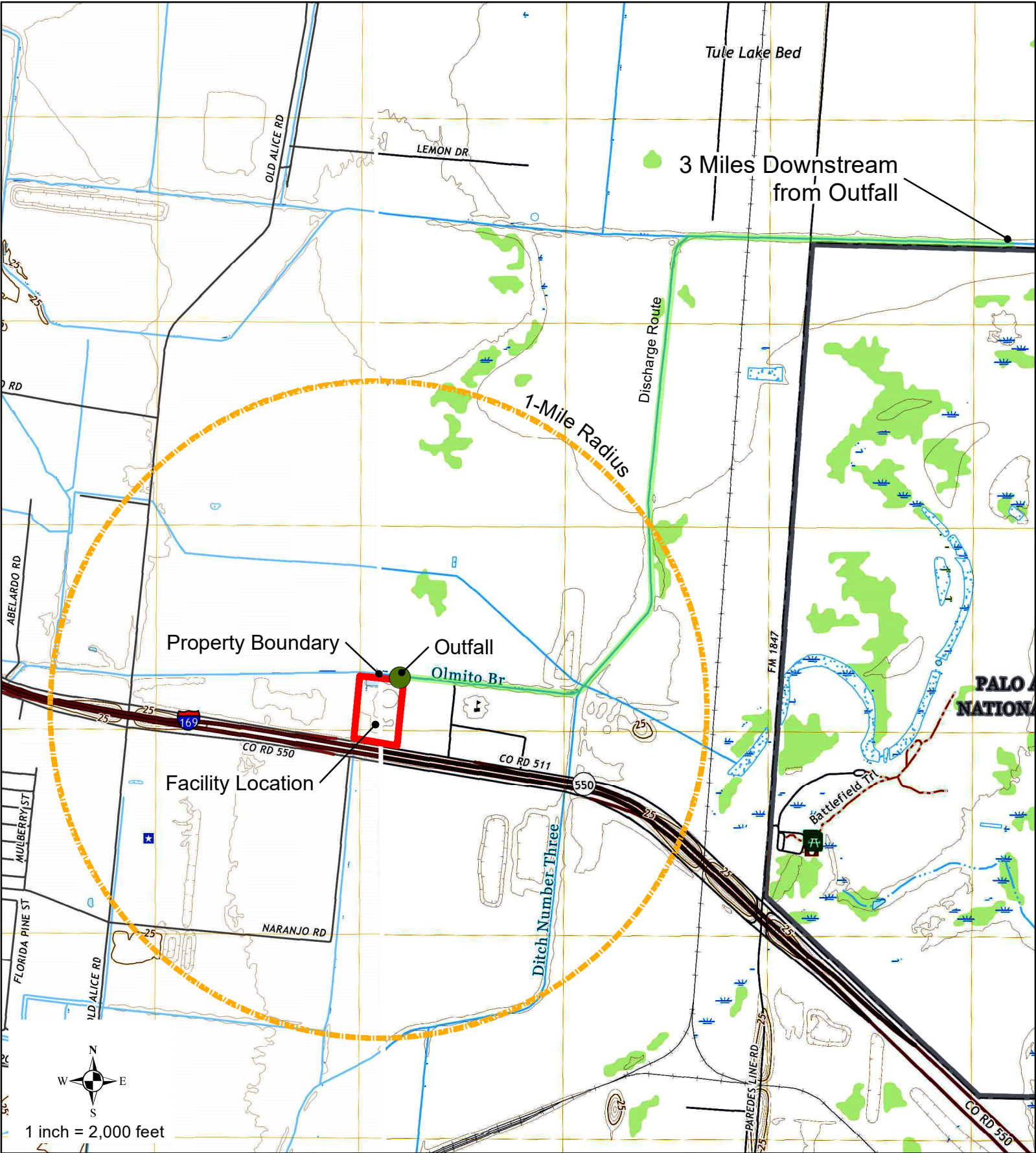
3. List construction dates of all buildings and structures on the property:

NA

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

NA

Administrative Report 1.0
ATTACHMENT F1 (SPIF page 3)
7.5 min Quadrangle Map(s)



Legend

- Outfall
- Effluent_Discharge
- SRWA_Boundary

TPDES PERMIT RENEWAL
 USGS TOPGRAPHIC MAP
 SRWA REVERSE OSMOSIS POTABLE WATER TREATMENT PLANT
 1255 N FM 511, BROWNSVILLE, TEXAS 78523





TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the industrial wastewater permit application.

APPLICANT NAME: Southmost Regional Water Authority

PERMIT NUMBER (If new, leave blank): WQ00 04541000

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

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

For TCEQ Use Only

Segment Number _____ County _____

Expiration Date _____ Region _____

Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION

ADMINISTRATIVE REPORT 1.0

This report is required for all applications for TPDES permits and TLAPs, except applications for oil and gas extraction operations subject to 40 CFR Part 435. Contact the Applications Review and Processing Team at 512-239-4671 with any questions about completing this report.

Applications for oil and gas extraction operations subject to 40 CFR Part 435 must use the Oil and Gas Exploration and Production Administrative Report ([TCEQ Form-20893 and 20893-inst'](#)).

Item 1. Application Information and Fees (Instructions, Page 26)

- a. Complete each field with the requested information, if applicable.

Applicant Name: Southmost Regional Water Authority

Permit No.: WQ0004541000

EPA ID No.: TX0124664

Expiration Date: November 6, 2025

- b. Check the box next to the appropriate authorization type.

☒ Industrial Wastewater (wastewater and stormwater)

☐ Industrial Stormwater (stormwater only)

- c. Check the box next to the appropriate facility status.

☒ Active

☐ Inactive

- d. Check the box next to the appropriate permit type.

☒ TPDES Permit

☐ TLAP

☐ TPDES with TLAP component

- e. Check the box next to the appropriate application type.

☐ New

☐ Renewal with changes

☒ Renewal without changes

☐ Major amendment with renewal

☐ Major amendment without renewal

☐ Minor amendment without renewal

☐ Minor modification without renewal

- f. If applying for an amendment or modification, describe the request: NA

For TCEQ Use Only

Segment Number _____ County _____

Expiration Date _____ Region _____

Permit Number _____

g. Application Fee

EPA Classification	New	Major Amend. (with or without renewal)	Renewal (with or without changes)	Minor Amend. / Minor Mod. (without renewal)
Minor facility not subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	☐ \$350	☐ \$350	☒ \$315	☐ \$150
Minor facility subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	☐ \$1,250	☐ \$1,250	☐ \$1,215	☐ \$150
Major facility	N/A ²	☐ \$2,050	☐ \$2,015	☐ \$450

h. Payment Information

Mailed

Check or money order No.: NA

Check or money order amt.: NA

Named printed on check or money order: NA

Epay

Voucher number: #757656 & #757657

Copy of voucher attachment: ATTACHMENT A

Item 2. Applicant Information (Instructions, Pages 26)

a. Customer Number, if applicant is an existing customer: CN600659858

Note: Locate the customer number using the [TCEQ's Central Registry Customer Search](#)³.

b. Legal name of the entity (applicant) applying for this permit: Southmost Regional Water Authority

Note: The owner of the facility must apply for the permit. The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

c. Name and title of the person signing the application. (**Note:** The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix: Mr. Full Name (Last/First Name): Gomez Jr., Albert

Title: Director of Environmental Services Credential: P.E., REM

d. Will the applicant have overall financial responsibility for the facility?

² All facilities are designated as minors until formally classified as a major by EPA.

³ <https://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch>

☒ Yes ☐ No

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

Item 3. Co-applicant Information (Instructions, Page 27)

☐ Check this box if there is no co-applicant.; otherwise, complete the below questions.

- a. Legal name of the entity (co-applicant) applying for this permit: Public Utilities Board of the City of Brownsville, Texas

Note: The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

- b. Customer Number (if applicant is an existing customer): CN601658651

Note: Locate the customer number using the TCEQ's Central Registry Customer Search.

- c. Name and title of the person signing the application. (**Note:** The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix: Mr. Full Name (Last/First Name): Gomez Jr., Albert

Title: Director of Environmental Services Credential: P.E., REM

- d. Will the co-applicant have overall financial responsibility for the facility?

☐ Yes ☒ No

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

Item 4. Core Data Form (Instructions, Pages 27)

- a. Complete one Core Data Form (TCEQ Form 10400) for each customer (applicant and co-applicant(s)) and include as an attachment. If the customer type selected on the Core Data Form is Individual, complete Attachment 1 of the Administrative Report. Attachment: ATTACHMENT B

Item 5. Application Contact Information (Instructions, Page 27)

Provide names of two individuals who can be contact for additional information about this application. Indicate if the individual can be contact about administrative or technical information, or both.

- a. ☒ Administrative Contact ☐ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Lechuga, Jose

Title: Lead Environmental Compliance Specialist Credential: REM

Organization Name: Public Utilities Board of the City of Brownsville, Texas

Mailing Address: P.O. Box 3270

City/State/Zip: Brownsville/TX/78523

Phone No: 956-983-6518

Email: JLechuga@brownsville-pub.com

- b. ☒ Administrative Contact ☒ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Galvan, Jacob

Title: W/WW Operator Chief Credential: NA

Organization Name: Southmost Regional Water Authority

Mailing Address: 1255 FM 511

City/State/Zip: Brownsville/TX/78526

Phone No: 956-983-6480

Email: JCGalvan@brownsville-pub.com

Attachment: NA

Item 6. Permit Contact Information (Instructions, Page 28)

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

a. Prefix: Mr. Full Name (Last/First Name): Gomez Jr., Albert

Title: Director of Environmental Services Credential: P.E., REM

Organization Name: Public Utilities Board of the City of Brownsville, Texas

Mailing Address: P.O. Box 3270

City/State/Zip: Brownsville/TX/78523

Phone No: 956-983-6251

Email: AGomez@brownsville-pub.com

b. Prefix: Mr. Full Name (Last/First Name): Garza, Jose

Title: Water Treatment Manager Credential: NA

Organization Name: Public Utilities Board of the City of Brownsville, Texas

Mailing Address: P.O. Box 3270

City/State/Zip: Brownsville/TX/78523

Phone No: 956-983-6684

Email: JGarza@brownsville-pub.com

Attachment: NA

Item 7. Billing Contact Information (Instructions, Page 28)

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

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

Prefix: Mr. Full Name (Last/First Name): Gomez Jr., Albert

Title: Director of Environmental Services Credential: P.E., REM

Organization Name: Public Utilities Board of the City of Brownsville, Texas

Mailing Address: P.O. Box 3270

City/State/Zip: Brownsville/TX/78523

Phone No: 956-983-6251

Email: AGomez@brownsville-pub.com

Item 8. DMR/MER Contact Information (Instructions, Page 28)

Provide the name and mailing address of the person delegated to receive and submit DMRs or MERs. **Note:** DMR data must be submitted through the NetDMR system. An electronic reporting account can be established once the facility has obtained the permit number.

Prefix: Mr. Full Name (Last/First Name): Capistran Jr., Ramiro

Title: Environmental Manager Credential: REM

Organization Name: Brownsville Public Utilities Board

Mailing Address: P.O. Box 3270

City/State/Zip: Brownsville/TX/78523

Phone No: 956-983-6511

Email: RCapistran@brownsville-pub.com

Item 9. Notice Information (Instructions, Pages 28)

a. Individual Publishing the Notices

Prefix: Mr. Full Name (Last/First Name): Lechuga, Jose

Title: Lead Environmental Compliance Specialist

Credential: REM

Organization Name: Public Utilities Board of the City of Brownsville, Texas

Mailing Address: P.O. Box 3270

City/State/Zip: Brownsville/TX/78523

Phone No: 956-983-6518

Email: JLechuga@brownsville-pub.com

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

☒ E-mail: JLechuga@brownsville-pub.com

☐ Fax: Click to enter text.

☒ Regular Mail (USPS)

Mailing Address: P.O. Box 3270

City/State/Zip Code: Brownsville/TX/78523

c. Contact in the Notice

Prefix: Mr. Full Name (Last/First Name): Lechuga, Jose

Title: Lead Environmental Compliance Specialist

Credential: REM

Organization Name: Public Utilities Board of the City of Brownsville, Texas

Phone No: 956-983-6518

Email: JLechuga@brownsville-pub.com

d. Public Viewing Location Information

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

Public building name: Brownsville Public Library - Main Branch Location within the building: Lobby Front Desk

Physical Address of Building: 2600 Central Blvd.

City: Brownsville

County: Cameron

e. Bilingual Notice Requirements

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

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

Call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine if an alternative language notice(s) is required.

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

☒ Yes ☐ No

If no, publication of an alternative language notice is not required; skip to Item 8 (Regulated Entity and Permitted Site Information.)

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No ☐ N/A

5. If the answer is yes to question 1, 2, 3, or 4, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish

f. Plain Language Summary Template - Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment. Attachment: ATTACHMENT C

g. Complete one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment and include as an attachment. Attachment: NA

Item 10. Regulated Entity and Permitted Site Information (Instructions Page 29)

a. TCEQ issued Regulated Entity Number (RN), if available: RN103930335

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

b. Name of project or site (the name known by the community where located): Southmost Regional Water Authority

c. Is the location address of the facility in the existing permit the same?

☒ Yes ☐ No ☐ N/A (new permit)

Note: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required.

d. Owner of treatment facility:

Prefix: NA Full Name (Last/First Name): NA

or Organization Name: Public Utilities Board of the City of Brownsville, Texas

Mailing Address: P.O. Box 3270

City/State/Zip: Brownsville/TX/78523

Phone No: 956-983-6251

Email: AGomez@brownsville-pub.com

e. Ownership of facility: ☒ Public ☐ Private ☐ Both ☐ Federal

f. Owner of land where treatment facility is or will be: Public Utilities Board of the City of Brownsville, Texas

Prefix: NA Full Name (Last/First Name): NA

or Organization Name: Public Utilities Board of the City of Brownsville, Texas

Mailing Address: P.O. Box 3270

City/State/Zip: Brownsville/TX/78523

Phone No: 956-983-6251

Email: AGomez@brownsville-pub.com

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years (In some cases, a lease may not suffice - see instructions). Attachment: NA

g. Owner of effluent TLAP disposal site (if applicable): NA

Prefix: NA Full Name (Last/First Name): NA

or Organization Name: NA

Mailing Address: NA

City/State/Zip: NA

Phone No: NA

Email: NA

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: NA

h. Owner of sewage sludge disposal site (if applicable):

Prefix: NA Full Name (Last/First Name): NA

or Organization Name: NA

Mailing Address: NA

City/State/Zip: NA

Phone No: NA

Email: NA

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: NA

Item 11. TDPES Discharge/TLAP Disposal Information (Instructions, Page 31)

a. Is the facility located on or does the treated effluent cross Native American Land?

☐ Yes ☒ No

b. Attach an original full size USGS Topographic Map (or an 8.5"×11" reproduced portion for renewal or amendment applications) with all required information. Check the box next to each item below to confirm it has been included on the map.

☒ One-mile radius

☒ Three-miles downstream information

☒ Applicant's property boundaries

☒ Treatment facility boundaries

☒ Labeled point(s) of discharge

☐ Highlighted discharge route(s)

☐ Effluent disposal site boundaries

☐ All wastewater ponds

☐ Sewage sludge disposal site

☐ New and future construction

Attachment: ATTACHMENT D

- c. Is the location of the sewage sludge disposal site in the existing permit accurate?
☐ Yes ☐ No or New Permit
If no, or a new application, provide an accurate location description: NA
- d. Are the point(s) of discharge in the existing permit correct?
☒ Yes ☐ No or New Permit
If no, or a new application, provide an accurate location description: NA
- e. Are the discharge route(s) in the existing permit correct?
☒ Yes ☐ No or New Permit
If no, or a new permit, provide an accurate description of the discharge route: NA
- f. City nearest the outfall(s): Brownsville
- g. County in which the outfalls(s) is/are located: Cameron
- h. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?
☒ Yes ☐ No
If yes, indicate by a check mark if: ☒ Authorization granted ☐ Authorization pending
For new and amendment applications, attach copies of letters that show proof of contact and provide the approval letter upon receipt. Attachment: NA
For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: NA
- i. For TLAPs, is the location of the effluent disposal site in the existing permit accurate?
☐ Yes ☐ No or New Permit ☐ NA
If no, or a new application, provide an accurate location description: NA
- j. City nearest the disposal site: NA
- k. County in which the disposal site is located: NA
- l. For TLAPs, describe how effluent is/will be routed from the treatment facility to the disposal site: NA
- m. For TLAPs, identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: NA

Item 12. Miscellaneous Information (Instructions, Page 33)

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

☐ Yes ☒ No

If yes, list each person: NA

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

☐ Yes ☒ No

If yes, provide the following information:

Account no.: NA

Total amount due: NA

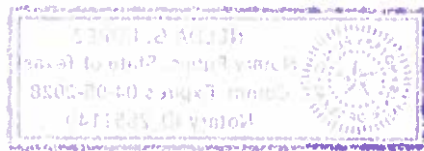
- c. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Enforcement order no.: NA

Amount due: NA



Item 13. Signature Page (Instructions, Page 33)

Permit No: WQ0004541000

Applicant Name: Southmost Regional Water Authority

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

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

Signatory name (typed or printed): Albert Gomez, Jr., P.E., REM

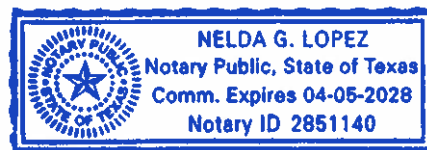
Signatory title: Director of Environmental Services

Signature:  Date: 3/28/25
(Use blue ink)

Subscribed and Sworn to before me by the said Alberto Gomez Jr.
on this 28th day of March, 20 25.

My commission expires on the 5th day of April, 20 28.

Nelda G. Lopez
Notary Public



[SEAL]

Cameron
County, Texas

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

Item 13. Signature Page (Instructions, Page 33)

Permit No: WQ0004541000

Applicant Name: Public Utilities Board of the City of Brownsville, Texas

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

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

Signatory name (typed or printed): Albert Gomez, Jr., P.E., REM

Signatory title: Director of Environmental Services

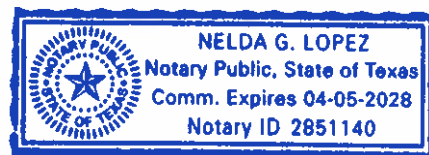
Signature:  Date: 3/28/25
(Use blue ink)

Subscribed and Sworn to before me by the said Alberto Gomez Jr.
on this 28th day of March, 20 25.

My commission expires on the 5th day of April, 20 28.


Notary Public

Cameron
County, Texas



[SEAL]

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

INDUSTRIAL WASTEWATER PERMIT APPLICATION

ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

Item 1. Affected Landowner Information (Instructions, Page 35)

- a. Attach a landowner map or drawing, with scale, as applicable. Check the box next to each item to confirm it has been provided.
- ☐ The applicant's property boundaries.
 - ☐ The facility site boundaries within the applicant's property boundaries.
 - ☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone.
 - ☐ The property boundaries of all landowners surrounding the applicant's property. (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
 - ☐ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream.
 - ☐ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge.
 - ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides.
 - ☐ The boundaries of the effluent disposal site (e.g., irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property.
 - ☐ The property boundaries of all landowners surrounding the applicant's property boundaries where the effluent disposal site is located.
 - ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners within one-quarter mile of the applicant's property boundaries where the sewage sludge land application site is located.
 - ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (e.g., sludge surface disposal site or sludge monofil) is located.

Attachment: NA

- b. Check the box next to the format of the landowners list:

☐ Readable/Writeable CD ☐ Four sets of labels

Attachment: NA

- d. Provide the source of the landowners' names and mailing addresses: NA

- e. As required by Texas Water Code § 5.115, is any permanent school fund land affected by this application?

☐ Yes ☐ No

If yes, provide the location and foreseeable impacts and effects this application has on the land(s): NA

Item 2. Original Photographs (Instructions, Page 37)

Provide original ground level photographs. Check the box next to each of the following items to indicate it is included.

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

Attachment: NA

INDUSTRIAL WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: ATTACHMENT F

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if mailing the payment. (Instructions, Page 36-37)

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP Permit No: WQ000NA

1. Check or Money Order Number: NA
2. Check or Money Order Amount: NA
3. Date of Check or Money Order: NA
4. Name on Check or Money Order: NA
5. APPLICATION INFORMATION

Name of Project or Site: NA

Physical Address of Project or Site: NA

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

Attachment: NA

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Item 1. Individual information (Instructions, Page 38)

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

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

Full legal name (first, middle, and last): NA

Driver's License or State Identification Number: NA

Date of Birth: NA

Mailing Address: NA

City, State, and Zip Code: NA

Phone No.: NA

Fax No.: NA

E-mail Address: NA

CN: NA

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

Below is a list of common deficiencies found during the administrative review of industrial wastewater permit applications. To ensure the timely processing of this application, please review the items below and indicate each item is complete and in accordance applicable rules at 30 TAC Chapters 21, 281, and 305 by checking the box next to the item. If an item is not required this application, indicate by checking N/A where appropriate. Please do not submit the application until all items below are addressed.

☒ Core Data Form (TCEQ Form No. 10400)

(Required for all applications types. Must be completed in its entirety and signed.

Note: Form may be signed by applicant representative.)

☒ Correct and Current Industrial Wastewater Permit Application Forms

(TCEQ Form Nos. 10055 and 10411. Version dated 5/10/2019 or later.)

☐ Water Quality Permit Payment Submittal Form (Page 14)

(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

☒ 7.5 Minute USGS Quadrangle Topographic Map Attached

(Full-size map if seeking "New" permit.

8 ½ x 11 acceptable for Renewals and Amendments.)

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

☒ N/A ☐ Landowners Map

(See instructions for landowner requirements.)

Things to Know:

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

☒ N/A ☐ Landowners Cross Reference List

(See instructions for landowner requirements.)

☒ N/A ☐ Landowners Labels or CD-RW attached

(See instructions for landowner requirements.)

☒ Original signature per 30 TAC § 305.44 - Blue Ink Preferred

(If signature page is not signed by an elected official or principle executive officer, a copy of signature authority/delegation letter must be attached.)

☒ Plain Language Summary

Administrative Report 1.0

ATTACHMENT A (page 4)

Application Fee - Payment Voucher & Receipt

TCEQ ePay Receipt

Transaction Information

Trace Number:

582EA000659480

Date:

03/14/2025 10:47 AM

Payment Method:

CC - Authorization 0000005358

ePay Actor:

JOSE LECHUGA

TCEQ Amount:

\$315.00

Texas.gov Price::

\$322.34*

* This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.

Payment Contact Information

Name:

NELDA LOPEZ

Company:

BROWNSVILLE PUBLIC UTILITIES BOARD

Address:

1425 ROBINHOOD DR, BROWNSVILLE, TX 78521

Phone:

956-983-6217

Cart Items

Voucher	Fee Description	AR Number	Amount
757656	WW PERMIT - MINOR FACILITY NOT SUBJECT TO 40 CFR 400-471 - RENEWAL		\$300.00
757657	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE		\$15.00
		TCEQ Amount:	\$315.00

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number:	757656
Trace Number:	582EA000659480
Date:	03/14/2025 10:47 AM
Payment Method:	CC - Authorization 0000005358
Voucher Amount:	\$300.00
Fee Type:	WW PERMIT - MINOR FACILITY NOT SUBJECT TO 40 CFR 400-471 - RENEWAL
ePay Actor:	JOSE LECHUGA

Payment Contact Information

Name:	NELDA LOPEZ
Company:	BROWNSVILLE PUBLIC UTILITIES BOARD
Address:	1425 ROBINHOOD DR, BROWNSVILLE, TX 78521
Phone:	956-983-6217

Site Information

Site Name:	SOUTHMOST REGIONAL WATER AUTHORITY
Site Address:	1255 FM 511, BROWNSVILLE, TX 78526
Site Location:	1255 FM 511 IN BROWNSVILLE TX

Customer Information

Customer Name:	SOUTHMOST REGIONAL WATER AUTHORITY
Customer Address:	1255 FM 511, BROWNSVILLE, TX 78526
State Tax ID:	32054740520

Other Information

Program Area ID:	WQ0004541000
Comments:	Permit Renewal Application Fee

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number:	757657
Trace Number:	582EA000659480
Date:	03/14/2025 10:47 AM
Payment Method:	CC - Authorization 0000005358
Voucher Amount:	\$15.00
Fee Type:	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE
ePay Actor:	JOSE LECHUGA

Payment Contact Information

Name:	NELDA LOPEZ
Company:	BROWNSVILLE PUBLIC UTILITIES BOARD
Address:	1425 ROBINHOOD DR, BROWNSVILLE, TX 78521
Phone:	956-983-6217

Administrative Report 1.0
ATTACHMENT B (page 5)
TCEQ Core Data Form



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 600659858		RN 103930335

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)							
☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership									
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)									
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>									
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)			<i>If new Customer, enter previous Customer below:</i>						
Southmost Regional Water Authority									
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)						
	32054740520	74-2137823	60-634-7037						
11. Type of Customer:	☐ Corporation	☐ Individual	Partnership: ☐ General ☐ Limited						
Government: ☒ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other	☐ Sole Proprietorship		☐ Other:						
12. Number of Employees		13. Independently Owned and Operated?							
☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher		☐ Yes ☒ No							
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following									
☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other:									
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant									
15. Mailing Address:	P.O. Box 3270								
	City	Brownsville	State	TX	ZIP	78523	ZIP + 4		
16. Country Mailing Information (if outside USA)					17. E-Mail Address (if applicable)				
NA					JLechuga@brownsville-pub.com				
18. Telephone Number			19. Extension or Code			20. Fax Number (if applicable)			

SECTION III: Regulated Entity Information

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

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

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

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

Southmost Regional Water Authority

23. Street Address of the Regulated Entity:

1255 FM 511

(No PO Boxes)

City	Brownsville	State	TX	ZIP	78526	ZIP + 4	

24. County

Cameron

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

25. Description to Physical Location:

NA

26. Nearest City

State

Nearest ZIP Code

Brownsville

TX

78526

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:

26.022391 N

28. Longitude (W) In Decimal:

-97.500164 W

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

26

1

20.64

-97

30

0.59

29. Primary SIC Code
30. Secondary SIC Code
31. Primary NAICS Code
32. Secondary NAICS Code

(4 digits)

(4 digits)

(5 or 6 digits)

(5 or 6 digits)

4941

NA

221310

NA

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

Reverse Osmosis Water Treatment Plant

34. Mailing Address:

1255 FM 511

City	Brownsville	State	TX	ZIP	78526	ZIP + 4	

35. E-Mail Address:

JLechuga@brownsville-pub.com

36. Telephone Number
37. Extension or Code
38. Fax Number (if applicable)

(956) 983-6518

NA

(956) 983-6260

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
				TX0310150
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0004541000			

SECTION IV: Preparer Information

40. Name:	Jose E. Lechuga			41. Title:	Lead Env. Compliance Specialist
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
(956) 983-6518	NA	(956) 983-6260	JLechuga@brownsville-pub.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:	Public Utilities Board of the City of Brownsville, Texas		Job Title:	Director of Environmental Services	
Name (In Print):	Albert Gomez, Jr., P.E., REM			Phone:	(956) 983- 6251
Signature:				Date:	3/28/25



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 601658651		RN 103930335

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		
☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership ☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)				
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>				
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John) If new Customer, enter previous Customer below:				
Public Utilities Board of the City of Brownsville, Texas				
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)	
0022602101	32054740520	74-2137823	60-634-7037	
11. Type of Customer:	☐ Corporation	☐ Individual	Partnership: ☐ General ☐ Limited	
Government: ☒ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other	☐ Sole Proprietorship		☐ Other:	
12. Number of Employees		13. Independently Owned and Operated?		
☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☒ 501 and higher		☒ Yes ☐ No		
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following				
☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other: ☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant				
15. Mailing Address:	P.O. Box 3270			
	City	Brownsville	State	TX
			ZIP	78523
			ZIP + 4	
16. Country Mailing Information (if outside USA)			17. E-Mail Address (if applicable)	
NA			JLechuga@brownsville-pub.com	
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)

SECTION III: Regulated Entity Information

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

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

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

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

Southmost Regional Water Authority

23. Street Address of the Regulated Entity:

1255 FM 511

(No PO Boxes)

City

Brownsville

State

TX

ZIP

78526

ZIP + 4

24. County

Cameron

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

25. Description to Physical Location:

NA

26. Nearest City

State

Nearest ZIP Code

Brownsville

TX

78526

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:

26.022391 N

28. Longitude (W) In Decimal:

-97.500164 W

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

26

1

20.64

-97

30

0.59

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)

4941

NA

221310

NA

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

Reverse Osmosis Water Treatment Plant

34. Mailing Address:

1255 FM 511

City

Brownsville

State

TX

ZIP

78526

ZIP + 4

35. E-Mail Address:

JLechuga@brownsville-pub.com

36. Telephone Number

37. Extension or Code

38. Fax Number (if applicable)

(956) 983-6518

NA

(956) 983-6260

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
				TX0310150
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0004541000			

SECTION IV: Preparer Information

40. Name:	Jose E. Lechuga			41. Title:	Lead Env. Compliance Specialist
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
(956) 983-6518	NA	(956) 983-6260	JLechuga@brownsville-pub.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:	Public Utilities Board of the City of Brownsville, Texas		Job Title:	Director of Environmental Services	
Name (In Print):	Albert Gomez, Jr., P.E., REM			Phone:	(956) 983- 6251
Signature:				Date:	3/28/25

Administrative Report 1.0
ATTACHMENT C (page 8)
Plain Language Form



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

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

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

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 INDUSTRIAL 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.

Southmost Regional Water Authority and Public Utilities Board of the City of Brownsville, Texas (CN6000659858) operates Southmost Regional Water Authority (RN103930335), a Reverse Osmosis Potable Water Treatment Plant. The facility is located at 1255 FM 511, in Brownsville, Cameron County, Texas 78526. The Southmost Regional Water Authority is herein applying to renew the Texas Pollutant Discharge Elimination System (TPDES) permit no. WQ0004541000 (EPA ID no. TX0124664 to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 4,000,000 gallons per day. The discharge route is from the plant site to Olmito Branch of Ditch no. 3 of the Cameron County Drainage District (CCDD) no. 1; thence to Ditch no. 3 of CCDD; thence to Main Ditch no. 2 of CCDD; thence to San Martin Lake; thence to Brownsville Ship Channel.

Discharges from the facility are expected to contain Total Dissolve Solids. Process wastewater from treatment operations is treated by micro-filter backwashing settling in a concrete lagoon

before the clear decant is discharged. There is no other treatment for the other waste streams. All waste streams are blended and discharged via permitted outfall 001.

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

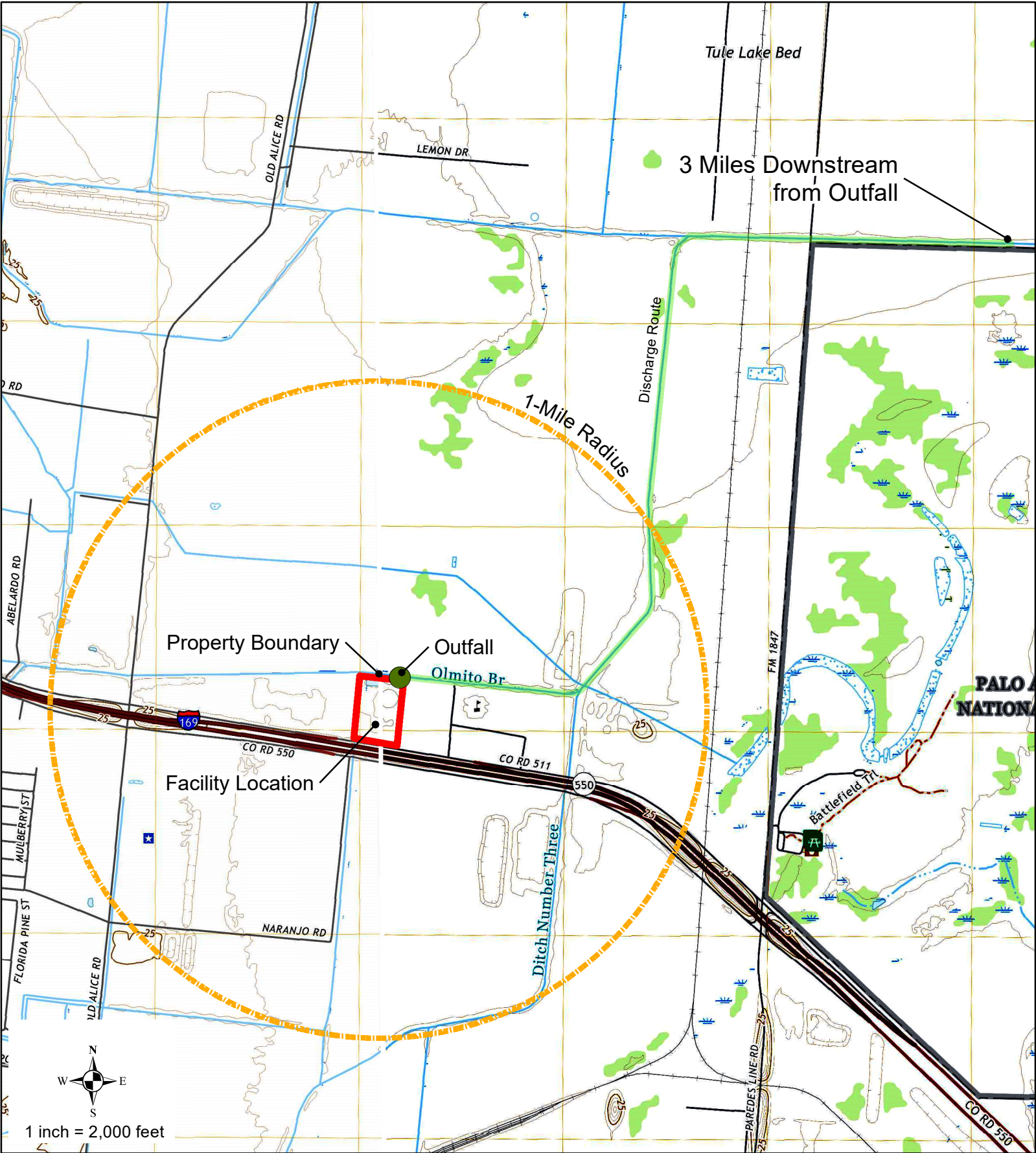
AGUAS RESIDUALES INDUSTRIALES /AGUAS PLUVIALES

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.

Southmost Regional Water Authority y Public Utilities Board de la Ciudad de Brownsville, Texas (CN6000659858) opera Southmost Regional Water Authority (RN103930355, una Planta de Tratamiento de Agua Potable de Osmosis Inversa. La instalación está ubicada en 1255 FM 511, en Brownsville, Condado de Cameron, Texas 78526. La Southmost Regional Water Authority por este medio está aplicando para la renovación del permiso del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) no. WQ0004541000 (EPA ID no. TX0124664) para autorizar la descarga aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 4,000,000 de galones al día. La ruta de descarga es del sitio de la planta a la Ramificación de Drenos no. 3 del Canal de Drenaje no. 1 del Condado de Cameron; de allí al Canal no. 3 del Canal de Drenaje no. 1 del Condado de Cameron; de allí al Canal Principal no. 2 del Canal de Drenaje no. 1 del Condado de Cameron; de allí al Lago San Martin; de allí al Canal de Navegación de Brownsville.

Se espera que las descargas de la instalación contengan Solidos Totales Disueltos. EL agua residual de las operaciones de tratamiento. está tratado por el asentamiento de las aguas de retro lavado de los microfiltros en una laguna de concreto antes de que el decantado claro sea descargado. No hay otro tratamiento para los otros flujos de agua residual. Todos los flujos de agua residual son mezclados y descargados a través del desagüe permitido 001.

Administrative Report 1.0
ATTACHMENT D (page 9)
USGS Topographic Map(s)



Legend

- Outfall
- Effluent_Discharge
- SRWA_Boundary

TPDES PERMIT RENEWAL
USGS TOPGRAPHIC MAP
SRWA REVERSE OSMOSIS POTABLE WATER TREATMENT PLANT
1255 N FM 511, BROWNSVILLE, TEXAS 78523

BROWNSVILLE
PUBLIC UTILITIES BOARD

ATTACHMENT E

**(Administrative Report (page 12), Core Data Form (page 3) and
Technical Report (page 16))**

**BPUB and SRWA Interlocal Agreement 2003 - 2033 &
Signatory Resolution No. 2013-0812**

**INTERLOCAL AGREEMENT BETWEEN BROWNSVILLE PUBLIC
UTILITIES BOARD AND SOUTHMOST REGIONAL WATER AUTHORITY**

STATE OF TEXAS §
 §
COUNTY OF CAMERON §

THIS AGREEMENT entered into this 10th day of March, 2003 by and between the Public Utilities Board of the City of Brownsville, Texas hereafter referred to as the "Brownsville Public Utilities Board or (BPUB)" and the Southmost Regional Water Authority ("Authority"), a conservation and reclamation district created pursuant to Article XVI, Section 59 of the Texas Constitution and the Act of June 12, 1981, 67th Leg. R.S. Ch. 511, 1981 Tex. Gen. Laws 2196.

WHEREAS, the Authority has heretofore entered into an Interlocal Agreement with BPUB dated March 10, 2003 under the terms of which BPUB provides all administrative services for the Authority; and

WHEREAS, subsequent thereto, the Authority authorized and is constructing a groundwater production, treatment and supply system ("the System") for the benefit of the participating members of the Authority and has executed water supply contracts for delivery of water from the System with these members, including BPUB; and

WHEREAS, Section 2.6(a) of the water supply contracts provides that BPUB's General Manager and CEO shall serve as General manager of the Authority ("General Manager") and shall perform all administrative functions of the Authority and Section 2.6(b) provides BPUB, during the period it is a participating customer of the System, shall act as the System operator of the Authority; and

WHEREAS, the Authority has determined it to be in the public interest to execute a new interlocal agreement (hereinafter referred to as "the Agreement") with BPUB to reflect BPUB's expanded authority, duties and obligations under the water supply agreements; now therefore

In consideration of the mutual covenants to each reflected in this Agreement, the Authority and BPUB here agreed as hereinafter set forth.

Article I.
Scope of Responsibilities of General Manager and Authority

1.1 General.

- (a) The General Manager shall perform, or cause under supervision to be performed by BPUB staff, all managerial, administrative and operational functions of the Authority in accordance with the customary care exercised by managers of similar authorities and under Good Utility Practice, as defined in the Agreement.
- (b) The Authority and its members will cooperate in good faith with the General Manager and BPUB staff (1) by furnishing or generating such records and information as may be requested of it in a timely and complete manner, (2) by participating in presentations and meetings related to furtherance of the business of the Authority, (3) by appearing before regulatory and legislative bodies as requested by the General Manager in relation to issues pertaining to the Authority and (4) by not interfering with or attempting to micromanage functions delegated to the General Manager under this Agreement.

1.2 Management Duties. The managerial duties of the General Manager include, unless modified by written consent, the following:

- (a) preparation of and distributing the meeting agendas for the Board of Directors of the Authority;
- (b) implementing the policies and directives of the Board of Directors of the Authority.
- (c) preparation and presentation of the annual budget of the Authority, any amendments thereto, and recommendations thereon, including rate adjustments;
- (d) recommendations for new projects, expanded memberships and amendments to water supply contracts;
- (e) recommendations for improvements, additions and extensions to the System;
- (f) recommendations for procurement of real estate, equipment and supplies and the award of contracts;
- (g) recommendations for retention or termination of consultants, financial advisors, engineers, auditors and legal counsel;
- (h) custodian of the official records of the Authority;
- (i) representation of the Authority at industry, regulatory and legislative meetings;
- (j) preparation and presentation of the annual report and status reports for

- System projects under construction and for System operations;
- (k) negotiations of contracts and presentations to the Authority for action;
- (l) compliance with all regulatory and other reporting deadlines;
- (m) handle media relations.

1.3 Administrative Duties: The administrative duties of the General Manager and BPUB staff include, unless modified by written consent, the following:

- (a) scheduling meetings of the Board of Directors, posting applicable notices thereof, and arranging place of the meetings;
- (b) assisting in the processing of the minutes of meetings of the Board of Directors;
- (c) meter reading, billing, and collecting for water deliveries and accounting for the revenues of the Authority and maintenance of customer records;
- (d) payment of authorized debts of the Authority including principal and interest on bonded indebtedness;
- (e) accounting for all expenditures of the Authority and verifying required approvals for all expenditures;
- (f) safekeeping and deposit of all Authority funds and management of investment of funds;
- (g) preparation of records of financial condition required by the Authority or by law;
- (h) arrange for annual audit;
- (i) preparation and maintenance of property records of real estate, improvements, equipment and supplies;
- (j) preparation of reports and documents required by local, state or federal authority;
- (k) procurement of insurance for the Board of Directors, General Manager and staff, and real and personal property of the Authority.

1.4 Operational Duties: The operational duties of the General Manager shall include, unless modified by written consent, the following:

- (a) providing or arranging for engineering and surveying services for the System
- (b) acquisition of required permits, licenses and approvals for the System;
- (c) supervision of construction work on the System and contract compliance;
- (d) operation, maintenance and repair of System facilities;
- (e) preparation and filing of required reports relating to System operations;
- (f) testing water quality;
- (g) acquisition of real estate necessary for System facilities;
- (h) purchase all tools, equipment and supplies for operation of the System.

1.5 Personnel Supervision: The General Manager shall exercise sole control and supervision of BPUB staff and personnel performing duties for the Authority.

1.6 Fidelity Bond: The Authority may in its discretion procure a fidelity bond or bonds on the General Manager and BPUB staff in such amounts as the Authority deems reasonable.

Article II.

General Terms and Conditions

2.1 Scope: This Agreement covers all work or services which the Authority may require of the General Manager without the General Manager's written consent for any change.

2.2 Independent Contractor: The General Manager, including BPUB staff is an independent contractor as to all work performed hereunder. The detailed manner and method of performing the work is under the control of the General Manager, the Authority having interest only in the results obtained. All persons engaged in the performance of said work shall be solely the servants or employees of General Manager, but the Authority or its authorized agents shall have the right to such inspection of the work as necessary to ensure compliance by the General Manager with the obligations assumed hereunder.

2.3 Assignment: The General Manager may assign part of this Agreement or sublet the same or any part thereof to a qualified contractor to perform specific requested duties that fall outside General Manager's capability without the consent of Authority. Except as provided otherwise herein, the assignment of this Agreement or the subletting of any work to be performed hereunder shall not relieve the General Manager of its obligations hereunder.

2.4 Applicable Laws: All work shall be performed in compliance with all applicable laws, ordinances or regulations of any governmental authority having jurisdiction.

Article III.

Billing and Payment

3.1 Billing of Authority: Authority shall pay General Manager monthly for all managerial, administrative and operational services, as shown by invoice listing the services provided for the billing period and priced at the General Manager's reasonable actual cost.

Overhead costs shall include the General Manager's reasonable direct and indirect administrative and general costs charged directly or allocated to its duties under this Agreement. In no event will the Authority be obligated for overhead costs exceeding five per cent (5%) annually of the total actual costs of operation, excluding overhead costs, without the consent of Authority.

3.2 Invoice Submittal: On or before the tenth (10) day of each month, BPUB shall submit to the Treasurer of the Authority, for review and approval an invoice in writing covering the previous month's work. The invoice amounts shall reflect the actual cost of the General Manager which shall be reasonable for the Cameron County area for equivalent services. Authority shall pay General Manager amounts due on or before the thirtieth (30) day following the date of the invoice. All invoices must be approved by the Board of Directors of the Authority.

3.3 Disputed Charges: In the event Authority disputes the charges reflected in an invoice, Authority shall, nevertheless, pay the charges in the time required by paragraph 3.2 above. The Authority shall notify General Manager as soon as practicable of the dispute, and Authority and General Manager shall proceed in good faith to resolve the dispute. If the dispute cannot be resolved, either Party may pursue any remedy in law or in equity.

3.4 Inspection of Supporting Documents: The Authority, or its agent, upon reasonable notice to General Manager, may inspect General Manager's records of accounting which support invoices delivered to Authority at any time during the General Manager's normal business hours, and the General Manager shall fully cooperate with the Authority to facilitate the inspection.

Article IV. Term of Agreement

4.1 Term: Subject to the terms hereof, this Agreement shall be of equal duration with the Water Supply Contract between the Authority and BPUB dated December 12, 2002 and shall continue thereafter unless either Authority or General Manager gives one (1) year's advance notice of termination.

In the event the Authority shall dispose or abandon substantially the System and the bonds financing the System have been paid, or provision for their payment has been made, pursuant to the terms of the Resolution authorizing the issuance of the bonds, General Manager may, at its election, terminate this Agreement as of the effective date of such disposal or abandonment. Upon such termination, General Manager shall be released and relieved of all of its obligation and liabilities under this Agreement, occurring or accruing from and after the effective date of such disposal or abandonment.

Article V. Default

5.1 Events of Default: As used in this Article V, "default" shall mean the failure of Authority or General Manager to perform any obligation in the time and manner required

by this Agreement, except where such failure to discharge obligations (other than the payment of money) is the result of Force Majeure as defined in Article IX, paragraph 9.8.

5.2 Notice and Cure: Upon failure of a Party hereto to perform any obligation required hereunder, the other Party shall give written notice of such default to the Party in default. The Party in default shall have thirty (30) days within which to cure such default, and if cured within such time, the default specified in such notice shall cease to exist.

5.3 Remedies Cumulative: If a default is not cured as provided in paragraph 5.2 above, the Party not in default may resort to all remedies available at law or equity, including recovery of reasonable expenses and reasonable attorneys' fees incurred in connection therewith.

Article VI. Notices

6.1 Notice: Any notice, request, demand, statement, bill or payment provided for in this Agreement, or any notice which any Party may desire to give to the other, shall be in writing and shall be considered as duly delivered when mailed by registered mail to the post office address of the Parties hereto, as the case may be, as follows:

If to Authority:
Southmost Regional Water Authority
1425 Robinhood Drive
Brownsville, Texas 78521-3270
Attn: President

If to General Manager:
Brownsville Public Utilities Board
1425 Robinhood Drive
Brownsville, Texas 78521-3270
Attn: General Manager

6.2 Time of Notice: For purposes of this Agreement, the date on which any notice, request, statement, payment or other communication shall be deemed to have been given shall be the date on which it is received by the recipient, provided any such notice, request, statement, payment or other communications transmitted by registered or certified mail, return receipt requested, postage prepaid, shall be deemed to have been given on the third day following the date on which same was deposited in the United States mail, addressed in accordance with this Article VI. Either Party hereto may designate a further or different address to which subsequent notices, requests, statements, payments or other communication shall be sent.

VII.
Indemnification

7.1 INDEMNITY: AUTHORITY, TO THE EXTENT PROVIDED BY LAW, SHALL PROTECT, INDEMNIFY AND SAVE GENERAL MANAGER, BPUB BOARD MEMBERS, AND BPUB EMPLOYEES, ACTING WITHIN THE SCOPE OF THEIR DUTIES AND/OR EMPLOYMENT, HARMLESS AGAINST ANY AND ALL CLAIMS, DEMANDS AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER ARISING IN FAVOR OF ANY PERSON, CORPORATION OR GOVERNMENTAL ENTITY, BECAUSE OF PERSONAL INJURIES OR DEATH OR DAMAGE TO PROPERTY OCCURRING, GROWING OUT OF, INCIDENT TO, RELATED TO OR RESULTING DIRECTLY OR INDIRECTLY FROM THE OCCURRENCE OF ACTIVITIES OR OMISSION OF ACTIVITIES CONTEMPLATED BY THIS AGREEMENT, INCLUDING WITHOUT LIMITATION, SUCH CLAIMS, DEMANDS AND CAUSES OF ACTION CAUSED, BY ANY DEGREE, BY THE NEGLIGENCE OF GENERAL MANAGER, PROVIDED GENERAL MANAGER AND ITS EMPLOYEES ACTED IN ACCORDANCE WITH GOOD UTILITY PRACTICE. THIS INDEMNITY DOES NOT APPLY TO INJURIES TO OR DEATH OF GENERAL MANAGER OR BPUB EMPLOYEES ACTING WITHIN THE SCOPE OF THEIR EMPLOYMENT.

Article VIII.
Good Utility Practice

8.1 Definition: The term "Good Utility Practice" shall mean any of the engineering and operating practices, methods and acts engaged in or accepted by a significant portion of the water utility industry in the United States of America at the time the decision was made or any of the practices, methods and acts that, in the exercise of reasonable judgment in the light of the facts known at the time the decision was made, could have been expected to accomplish the desired result at the lowest reasonable costs consistent with reliability, safety and expedition. Good Utility Practice is not intended to be limited to the optimum practice, method or act to the exclusion of all others, but rather includes a spectrum of possible practices, methods or acts.

Article IX.
Miscellaneous

9.1 Modification: This Agreement may not be modified, varied or amended, except by written agreement.

9.2 Assessments: Neither Party shall be responsible or liable for any taxes, fines, penalties or other statutory charges levied or assessed against any other Party.

9.3 Assignment: Subject to the terms hereof and of Section 2.3, above, neither Party hereto shall assign this Agreement or any of its rights or obligations hereunder without the consent in writing of the other Party. Notwithstanding the foregoing, a Party may

assign its right, title and interest in, to and by virtue of this Agreement, including any and all extensions, renewals, amendments and supplements thereto, to a trustee or trustees, individual or corporate, as security for bonds or other obligations or securities, without such trustee or trustees assuming or becoming in any respect obligated to perform any of the obligations of the assignor, and if such trustee be a corporation, without its being required by the Parties hereto to qualify to do business in the state in which the performance of this agreement may occur. Nothing contained herein shall require consent to transfer this Agreement to any party by virtue of merger or consolidation of a Party hereto or a sale or abandonment of all or substantially all of the water system facilities of a Party hereto, or any other corporate reorganization of a Party hereto. Upon assignment, if the bonds have been paid, or provision for their payment has been made, pursuant to the terms of the Resolution authorizing the issuance of the bonds, General Manager shall be released and relieved of all of its obligations and liabilities under this Agreement, occurring or accruing from and after the effective date of such assignment.

9.4 Laws and Regulations: This Agreement is subject to applicable federal, state and local laws, ordinances, rules and regulations. Nothing herein contained shall be construed as a waiver of any right to question or contest any such law, ordinance, rule, regulation or asserted regulatory jurisdiction.

9.5 Governing Laws and Venue: This Agreement shall be governed by the laws of the State of Texas, and venue for litigation arising out of disputes between the Parties shall lie in Cameron County, Texas.

9.6 Waiver: No waiver by either Party of any one or more defaults by the other in the performance of any provisions hereunder shall operate or be construed as a waiver of any future defaults, whither of a like or a different character.

9.7 Governmental Restraint: It at any time prior to and during the period in which this Agreement is in effect, any governmental authority having jurisdiction or control over the Parties or their Facility, this Agreement or any provision thereof, shall take any action whereby operation or maintenance of the Facility as contemplated hereunder shall be proscribed or subjected to conditions or restraints that in the sole judgment of the General Manager constitutes as undue burden to either Party hereto, the General Manager may terminate this Agreement without further liability other than the liability to discharge obligations incurred prior to the termination hereof.

9.8 Force Majeure: Neither Party shall be liable to the other Party for failure to perform its obligations under this Agreement when such failure is attributable solely to Force Majeure. Force Majeure shall mean any cause beyond the reasonable control of either Party, including, without limitation, failure, or imminent threat of failure, of facilities or equipment, flood, freeze, earthquake, storm, fire, lightning, other acts of God, epidemic, war, acts of a public enemy, riot, civil disturbance or disobedience, strike,

lockout, work stoppages, other industrial disturbance or dispute, labor or material shortage, sabotage, restraint by court order or other public authority, and action or nonaction by, or failure or inability to obtain the necessary authorizations or approvals from, any governmental agency or authority, which by the exercise of due diligence it could not overcome. Nothing contained herein shall be construed so as to require the Parties to settle any strike, lockout, work stoppage or any industrial disturbance or dispute in which it may be involved, or to seek review of or take an appeal from any administrative or judicial action. Failure of Authority to make payments to General Manager required by this Agreement shall not be construed as an event occasioned by Force Majeure.

9.9 Severability: In the event any material term, covenant or condition of this Agreement, or any amendment hereto, or the application of any such term, covenant or condition shall be held invalid, illegal or unenforceable as to any Party or circumstances by any court or regulatory authority having jurisdiction, Authority and General Manager shall conduct good faith negotiations for the purpose of reaching a mutually acceptable written agreement to replace the deleted provision(s) with provision(s) that will most nearly accomplish the purpose and intent of the deleted provision(s).

9.10 Successors and Assigns: This Agreement shall be binding upon and inure to the benefit of and be binding upon the successors and assigns of the Parties hereto, but, subject to the terms of Section 2.3 and Section 9.3, above, neither Party shall assign its interest in the Agreement in whole or in part without the prior written consent of the other Party, which consent will not be unreasonably withheld.

9.11 Survivorship of Obligations: Except as otherwise provided herein, the termination or cancellation of this Agreement shall not discharge any Party from any obligation it owes to the other Party under this Agreement by reason of any transaction, loss, cost, damage, expense or liability that shall occur or arise prior to such termination. Unless provided otherwise, it is the intention of the Parties that any such obligation owed (whether the same shall be known or unknown as of the termination or cancellation of this Agreement) shall survive the termination or cancellation of this Agreement.

9.12 Amendment: This Agreement may only be amended by a writing signed by both Parties.

9.13 Computation of Time: In computing any period of time prescribed or allowed by this Agreement, the day of the act, event or default from which the designated period of time begins to run shall not be included. The last day of the period so computed shall be included unless it is a Saturday, Sunday or legal holiday, in which event the period shall run until the end of the next business day that is neither a Saturday, Sunday nor a legal holiday.

9.14 Limitation: This Agreement is not intended to and shall not create rights of any character whatsoever in favor of any person, corporation, association or entity other than the Parties to this Agreement and the member cities of Authority, and the obligations herein assumed are solely for the use and benefit of the Parties to this Agreement and the member cities of the Authority, their successors in interest, or assigns.

9.15 Section Headings Not to Affect Meaning: The descriptive headings of the various articles and sections of this Agreement have been inserted for convenience of reference only and shall in no way modify or restrict any of the terms and provisions thereof.

9.16 Counterparts: This Agreement shall be executed simultaneously in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

9.17 Authority's Representative: The Authority shall appoint an authorized representative. General Manager shall be entitled for all purposes relative to this Agreement to rely solely and exclusively on the statements and representations of any person identified in writing as being the Authority's authorized representative. Authority may at any time appoint a new representative on thirty (30) days prior written notice to General Manager to such effect.

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be signed in two counterparts by their respective representatives, hereunto duly authorized, on this 10th day of March, 2003, but effective as of the day and year first hereinabove written.

SOUTHMOST REGIONAL WATER
AUTHORITY

By: 
General Manager & CEO

BROWNVILLE PUBLIC
UTILITIES BOARD

By: 
General Manager & CEO

RESOLUTION No. 2013-0812 (IC-18)

A RESOLUTION OF THE PUBLIC UTILITIES BOARD OF THE CITY OF BROWNSVILLE, TEXAS AUTHORIZING THE DIRECTOR OF ENVIRONMENTAL SERVICES AND THE ENVIRONMENTAL MANAGER TO EXECUTE DOCUMENTS DEALING WITH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY AND THE U.S. ENVIRONMENTAL PROTECTION AGENCY

WHEREAS, the Public Utilities Board of the City of Brownsville, Texas ("BPUB") is required to comply with certain regulations of the Texas Commission on Environmental Quality ("TCEQ") and the U.S. Environmental Protection Agency ("EPA"); and

WHEREAS, it is necessary for BPUB to execute documents and/or submit reports of a routine nature and to communicate with the TCEQ and EPA from time to time on routine and non-routine matters on behalf of BPUB; and

WHEREAS, it is in the interest of BPUB that the Director of Environmental Services, a position presently occupied by Mr. Alberto Gomez, Jr., should serve as BPUB's duly authorized representative to execute and/or submit such documents and reports and engage in such communications as may reasonably be required in order for BPUB to timely comply with TCEQ and EPA regulations; and

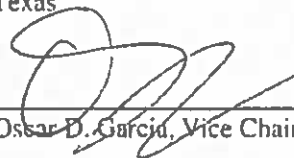
WHEREAS, it is in the interest of BPUB that the Environmental Manager, a position presently occupied by Mr. Ramiro Capistran, Jr., serve as BPUB's alternate representative who is authorized to execute and/or submit such documents and reports and engage in such communications as may reasonably be required in order for BPUB to timely comply with TCEQ and EPA regulations when the Director of Environmental Services is absent or unavailable, whether on a temporary or permanent basis; now, therefore,

BE IT RESOLVED by the Public Utilities Board of the City of Brownsville, Texas:

1. That the Director of Environmental Services is named as BPUB's duly authorized representative to execute documents and/or submit reports of a routine nature and to engage in communications as may reasonably be required in order for BPUB to timely comply with TCEQ and EPA regulations.
2. That, in the absence or unavailability of the Director of Environmental Services, the Environmental Manager is authorized to act as BPUB's duly authorized representative.
3. That this Resolution shall take effect immediately upon its passage.

PASSED and APPROVED this 12th day of August 2013.

The City of Brownsville, Texas acting by and through
the Public Utilities Board of the City of Brownsville,
Texas


Oscar D. Garcia, Vice Chair

Administrative Report 1.0
ATTACHMENT F (page 15)
SPIF

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ☐ 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: Southmost Regional Water Authority and Public Utilities Board of the City of Brownsville, Texas.

Permit No. WQ00 04541000

EPA ID No. TX 0124664

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

1255 FM 511, Brownsville, Cameron.

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

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

First and Last Name: Jacob Galvan

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

Title: W/WW Operator Chief

Mailing Address: 1255 FM 511

City, State, Zip Code: Brownsville, TX, 78526

Phone No.: 956-983-6480 Ext.: NA Fax No.: 956-350-8973

E-mail Address: JCGalvan@brownsville-pub.com

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

NA

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.

From the plant site to Olmito Branch of Ditch No. 3 of Cameron County Drainage District (CCDD) No. 1; thence to Ditch No.3 of CCDD No. 1; thence to main ditch No 2 of CCDD No.1; thence to San Martin Lake; thence to the Brownsville Ship Channel in segment No. 2494 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):

NA

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

NA

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:

NA

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

NA

Administrative Report 1.0
ATTACHMENT F1 (SPIF page 3)
7.5 min Quadrangle Map(s)

Legend



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION

TECHNICAL REPORT 1.0

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

For **additional information** or clarification on the requested information, please refer to the [Instructions for Completing the Industrial Wastewater Permit Application](#)¹ available on the TCEQ website. Please contact the Industrial Permits Team at 512-239-4671 with any questions about this form.

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

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

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

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

The Southmost Regional Water Authority (SRWA) is a conservation and reclamation district created pursuant to Article XVI, Section 59, of the Texas Constitution and the Act of June 12, 1981, Tex. Gen Laws 2196 (the "Enabling Act"). The Authority was created to help alleviate potential shortages of surface raw water supply in the Rio Grande. SRWA implements a Brackish Water Reverse Osmosis (RO)/Micro-Filtration (MF) Treatment Facility that provides high quality drinking water to its members. A well field located west of the town of Rancho Viejo, consisting of 20 wells, supplies brackish groundwater with a 3500 mg/L TDS to the plant site. Pre-treatment to the Reverse Osmosis Treatment Facility is a Micro-Filtration (MF) Membrane Filter system with a capacity of 10 MGD. The water coming from the well field is injected, through system Millennium III C-250 VF, with chlorine dioxide and ferric chloride to oxidize and precipitate inorganics such as iron, manganese and arsenic, prior to the micro-filtration treatment. Ferric chloride is used to coagulate the inorganics in the MF feed water. Water will then go through expandable disc strainers to remove large particulate matter. Post-treatment consists of dechlorination with Sodium Bi-sulfite. Filtrate water is transferred to the RO facility with the use of booster pumps. The Reverse Osmosis Treatment Facility has a permeate water capacity of 8.8 MGD with a blended plant capacity of 10.0 MGD. Pretreatment is limited to scale inhibitor addition for salts scale control and cartridge filtration (pre-filters) for removal of particulate matter. Post-treatment consists of pH adjustment using caustic soda, addition of calcium chloride for water stabilization, and chloramines for disinfection. Based on the disinfectant application and residual sampling points, two disinfection zones are defined for SRWA: Disinfection zone D1 is Chloramines, Chlorine Dioxide, Coagulation and Reverse Osmosis. Disinfection zone D2 includes Sodium Bisulfite, Polyphosphate Inhibitor, Cartridge Filtration, Chloramines, post Gaseous Chlorination, pH Adjustment (post caustic) and Detention Time. The SIC code for this facility is 4941

¹ https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES_industrial_wastewater_steps.html

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

Groundwater from 20 different well sites is combined to form on a blend of influent mix. Chlorine dioxide and ferric chloride are added to precipitate out iron, manganese, and arsenic. The groundwater then goes through microfiltration. The filters are backwashed periodically, which is sent to sludge drying lagoons. When the lagoons are full, decant from the lagoons flows to Outfall 001. A scale inhibitor is added to the filtered water to prevent the precipitation of salts. The groundwater then passes through a pre-filter to remove suspended solids that might be present. The filtered water is then pumped into the reverse osmosis membranes. If the influent RO pressure is too high (45 psi), a pressure relief valve allows the groundwater to bypass the RO process which in turn brings down the pressure to acceptable pressure to ensure optimal treatment. The RO brine solution, concentrate is removed and blended with some bypass groundwater (post microfiltration). The 50/50 percent by volume mixture is then discharged into outfall 001. In summary, wastewater is discharged via outfall 001 and is generated by: 1) the micro filter being back flushed with pre-treated water to a concrete lagoon, where the precipitate settles and the clear decant is discharged, 2) the reject water from the RO membranes (concentrate), and 3) raw groundwater from pressure relief valves and water bypassing the RO treatment system.

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

Materials List

Raw Materials	Intermediate Products	Final Products
Caustic Soda (process)		
Chlorine Dioxide		
Chlorine		
Calcium Chloride (process)		
Scale Inhibitor (process)		
Liquid Ammonium Sulfate (process)		
High pH Surfactant (cleaning)		
Low pH Surfactant (cleaning)		
Muriatic Acid (cleaning)		
Citric Acid		
Polyphosphate		
Ferric Chloride		
Sodium Bisulfate		

Attachment: NA

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

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

Attachment: ATTACHMENT G

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

☐ Yes ☒ No

If **yes**, provide background discussion: NA

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

☒ Yes ☐ No

List source(s) used to determine 100-year frequency flood plain: National Flood Insurance Program

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

Attachment: NA

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

☐ Yes ☐ No ☒ N/A (renewal only)

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

☐ Yes ☐ No

If **yes**, provide the permit number: NA

If **no**, provide an approximate date of application submittal to the USACE: NA

Item 2. Treatment System (Instructions, Page 40)

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

The micro-filter backwash is settled in a concrete lagoon before the clear decant is discharged. There is no other treatment for the other waste streams. All waste streams are blended and discharged via permitted outfall 001.

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

Attachment: ATTACHMENT H

Item 3. Impoundments (Instructions, Page 40)

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

☐ Yes ☒ No Note: The lagoons for settling of backwash are concrete and are not surface impoundments.

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

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

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

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

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

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

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

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

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

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

Impoundment Information

Parameter	Pond #	Pond #	Pond #	Pond #
Use Designation: (T) (D) (C) or (E)	NA	NA	NA	NA
Associated Outfall Number	NA	NA	NA	NA
Liner Type (C) (I) (S) or (A)	NA	NA	NA	NA
Alt. Liner Attachment Reference	NA	NA	NA	NA
Leak Detection System, Y/N	NA	NA	NA	NA
Groundwater Monitoring Wells, Y/N	NA	NA	NA	NA
Groundwater Monitoring Data Attachment	NA	NA	NA	NA
Pond Bottom Located Above The Seasonal High-Water Table, Y/N	NA	NA	NA	NA
Length (ft)	NA	NA	NA	NA
Width (ft)	NA	NA	NA	NA
Max Depth From Water Surface (ft), Not Including Freeboard	NA	NA	NA	NA
Freeboard (ft)	NA	NA	NA	NA
Surface Area (acres)	NA	NA	NA	NA
Storage Capacity (gallons)	NA	NA	NA	NA
40 CFR Part 257, Subpart D, Y/N	NA	NA	NA	NA
Date of Construction	NA	NA	NA	NA

Attachment: NA

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

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

1. Liner data

☐ Yes ☐ No ☐ Not yet designed

2. Leak detection system or groundwater monitoring data

☐ Yes ☐ No ☐ Not yet designed

3. Groundwater impacts

☐ Yes ☐ No ☐ Not yet designed

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

Attachment: NA

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

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

Attachment: NA

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

Attachment: NA

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

Attachment: NA

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

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

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

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

Outfall Longitude and Latitude

Outfall No.	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
001	26.024525 N	-97.498985 W

Outfall Location Description

Outfall No.	Location Description
001	Permitted outfall is located on the northeast side of the property and at discharge to Olmito Branch of Ditch no. 3 of CCDD no. 1.

Outfall No.	Location Description

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

Outfall No.	Description of sampling point
NA	NA

Outfall Flow Information - Permitted and Proposed

Outfall No.	Permitted Daily Avg Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Avg Flow (MGD)	Proposed Daily Max Flow (MGD)	Anticipated Discharge Date (mm/dd/yy)
001	4.0	4.0	NA	Report	NA

Outfall Discharge - Method and Measurement

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
001	N	Y	Siemens MAGFLO

Outfall Discharge - Flow Characteristics

Outfall No.	Intermittent Discharge? Y/N	Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)
001	N	Y	N	24	30	12

Outfall Wastestream Contributions

Outfall No. 001

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
RO Reject Water	2.0	50%
Groundwater (wells, pressure relief and decant water)	2.0	50%

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

Outfall No. NA

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

Outfall No. NA

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

Attachment: NA

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

a. Indicate if the facility currently or proposes to:

- ☐ Yes ☒ No Use cooling towers that discharge blowdown or other wastestreams
- ☐ Yes ☒ No Use boilers that discharge blowdown or other wastestreams

☐ Yes ☒ No Discharge once-through cooling water

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

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

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

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

Attachment: NA

c. Cooling Towers and Boilers

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

Cooling Towers and Boilers

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

Item 6. Stormwater Management (Instructions, Page 44)

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

☐ Yes ☒ No

If **yes**, briefly describe the industrial processes and activities that occur outdoors or in a manner which may result in exposure of the activities or materials to stormwater: NA

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

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

a. Check the box next to the appropriate method of domestic sewage and domestic sewage sludge treatment or disposal. Complete Worksheet 5.0 or Item 7.b if directed to do so.

- ☒ Domestic sewage is routed (i.e., connected to or transported to) to a WWTP permitted to receive domestic sewage for treatment, disposal, or both. Complete Item 7.b.
- ☐ Domestic sewage disposed of by an on-site septic tank and drainfield system. Complete Item 7.b.
- ☐ Domestic and industrial treatment sludge ARE commingled prior to use or disposal.
- ☐ Industrial wastewater and domestic sewage are treated separately, and the respective sludge IS NOT commingled prior to sludge use or disposal. Complete Worksheet 5.0.
- ☐ Facility is a POTW. Complete Worksheet 5.0.
- ☐ Domestic sewage is not generated on-site.
- ☐ Other (e.g., portable toilets), specify and Complete Item 7.b: NA

- b. Provide the name and TCEQ, NPDES, or TPDES Permit No. of the waste-disposal facility which receives the domestic sewage/septage. If hauled by motorized vehicle, provide the name and TCEQ Registration No. of the hauler.

Domestic Sewage Plant/Hauler Name

Plant/Hauler Name	Permit/Registration No.
Brownsville PUB Robindale Wastewater Treatment Plant	WQ0010397005

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

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

Item 9. Toxicity Testing (Instructions, Page 45)

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

☐ Yes ☒ No

If **yes**, identify the tests and describe their purposes: NA

Additionally, attach a copy of all tests performed which **have not** been submitted to the TCEQ or EPA. **Attachment:** NA

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

- a. Does or will the facility receive wastes from off-site sources for treatment at the facility, disposal on-site via land application, or discharge via a permitted outfall?

☐ Yes ☒ No

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

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

- b. Attach the following information to the application:

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

Attachment: NA

- c. Is or will wastewater from another TCEQ, NPDES, or TPDES permitted facility commingled with this facility's wastewater after final treatment and prior to discharge via the final outfall/point of disposal?

☐ Yes ☒ No

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

Attachment: NA

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

☐ Yes ☒ No

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

Item 11. Radioactive Materials (Instructions, Page 46)

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

☐ Yes ☒ No

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

Radioactive Materials Mined, Used, Stored, or Processed

Radioactive Material Name	Concentration (pCi/L)
NA	NA

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

☐ Yes ☒ No

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

Radioactive Materials Present in the Discharge

Radioactive Material Name	Concentration (pCi/L)
NA	NA

Item 12. Cooling Water (Instructions, Page 46)

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

☐ Yes ☒ No

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

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

☐ Yes ☒ No

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

- c. Cooling Water Supplier

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

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

CWIS ID	NA			
Owner	NA			
Operator	NA			

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

☐ Yes ☒ No

If **no**, continue. If **yes**, provide the PWS Registration No. and stop here: PWS No. NA

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

☐ Yes ☒ No

If **no**, continue. If **yes**, provide the Reuse Authorization No. and stop here: NA

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

☐ Yes ☒ No

If **no**, proceed to Item 12.d. If **yes**, provide the actual intake flow of the Independent Supplier's CWIS that is/will be used to provide water for cooling purposes and proceed: NA

d. 316(b) General Criteria

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

If **no**, provide an explanation of how the waterbody does not meet the definition of Waters of the United States in *40 CFR § 122.2*: NA

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

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

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

☐ Yes ☒ No

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

f. Oil and Gas Exploration and Production

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

☐ Yes ☒ No

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

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

☐ Yes ☒ No

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

g. Compliance Phase and Track Selection

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

☐ Yes ☒ No

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

- ☐ Track I – AIF greater than 2 MGD, but less than 10 MGD
 - Attach information required by 40 CFR §§ 125.86(b)(2)-(4).
- ☐ Track I – AIF greater than 10 MGD
 - Attach information required by 40 CFR § 125.86(b).
- ☐ Track II
 - Attach information required by 40 CFR § 125.86(c).

Attachment: NA

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

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

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

Attachment: NA

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

This item is only applicable to existing permitted facilities.

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

☐ Yes ☒ No

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

NA

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

☐ Yes ☒ No

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

NA

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

☐ Yes ☒ No

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

NA

Item 14. Laboratory Accreditation (Instructions, Page 49)

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

- The laboratory is an in-house laboratory and is:
 - periodically inspected by the TCEQ; or
 - located in another state and is accredited or inspected by that state; or

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

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

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

CERTIFICATION:

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

Printed Name: Albert Gomez, Jr., P.E., REM

Title: Director of Environmental Services

Signature: _____

Date: _____


3/28/25

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 1.0: EPA CATEGORICAL EFFLUENT GUIDELINES

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

Item 1. Categorical Industries (Instructions, Page 53)

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

☐ Yes ☒ No

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

40 CFR Effluent Guideline

Industry	40 CFR Part
NA	NA

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

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

a. Production Data

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

Production Data

Subcategory	Actual Quantity/Day	Design Quantity/Day	Units
NA	NA	NA	NA

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

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

Percentage of Total Production

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

c. Refineries (40 CFR Part 419)

Provide the applicable subcategory and a brief justification.

NA

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

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

NA

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

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

Wastewater Generating Processes Subject to Effluent Guidelines

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

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: POLLUTANT ANALYSIS

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

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

- Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): 1/13/2025 – 2/7/2025
- ☒ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm.
Attachment: ATTACHMENT I

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

Attach correspondence from TCEQ approving submittal of less than the required number of samples, if applicable. **Attachment:** NA

TABLE 1 and TABLE 2 (Instructions, Page 58)

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

Table 1 for Outfall No.: 001

Samples are (check one): ☐ Composite ☒ Grab

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)	6.77	6.07	9.65	8.24
CBOD (5-day)	5.64	2.15	<2.00	4.12
Chemical oxygen demand	22.4	22.4	108	<20.0
Total organic carbon	<30.0	6.47	3.48	1.59
Dissolved oxygen	5.0	5.0	3.8	3.7
Ammonia nitrogen	2.39	2.37	2.56	2.22
Total suspended solids	<2.00	<2.00	2.50	2.70
Nitrate nitrogen	<0.1	<0.1	<0.100	<0.1
Total organic nitrogen	<0.050	15.43	<0.050	0.68
Total phosphorus	0.596	0.488	0.627	0.392
Oil and grease	<4.55	<4.72	<4.72	<4.71
Total residual chlorine	<0.05	<0.05	<0.05	<0.05

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
Total dissolved solids	12600	12200	12000	12000
Sulfate	4340	4000	4210	4540
Chloride	2690	2660	2650	2900
Fluoride	2.11	0.6	<5.09	3.11
Total alkalinity (mg/L as CaCO3)	1270	1250	1240	1230
Temperature (°F)	89.6	73.4	77.0	80.6
pH (standard units)	7.6 su	7.5 su	7.6 su	7.5 su

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

Samples are (check one): ☐ Composite ☒ Grab

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total	0.00752 mg/L	0.00558 mg/L	0.0128 mg/L	0.00688 mg/L	2.5
Antimony, total	0.00108 mg/L	<0.003 mg/L	<0.003 mg/L	<0.00376 mg/L	5
Arsenic, total	0.0421 mg/L	0.0276 mg/L	0.0335 mg/L	0.0486 mg/L	0.5
Barium, total	0.0504 mg/L	0.0499 mg/L	0.0537 mg/L	0.0549	3
Beryllium, total	<0.000162 mg/L	<0.000162 mg/L	<0.0005 mg/L	<0.000139 mg/L	0.5
Cadmium, total	<0.0005 mg/L	<0.001 mg/L	<0.001 mg/L	<0.001 mg/L	1
Chromium, total	0.00101 mg/L	<0.001 mg/L	<0.001 mg/L	<0.001 mg/L	3
Chromium, hexavalent	<3.00	<3.00	<3.00	<3.00	3
Chromium, trivalent	<0.003 mg/L	<0.003 mg/L	<0.003 mg/L	<0.003 mg/L	N/A
Copper, total	<0.001 mg/L	0.00532 mg/L	0.00484 mg/L	0.00227 mg/L	2
Cyanide, available	<0.005 mg/L	<0.005 mg/L	<0.005 mg/L	<0.005 mg/L	2/10
Lead, total	<0.0005 mg/L	<0.0005 mg/L	<0.000244 mg/L	<0.000244	0.5
Mercury, total	<4.26 ng/L	<4.26 ng/L	<4.26 ng/L	<4.26 ng/L	0.005/0.0005
Nickel, total	0.00306 mg/L	0.00327 mg/L	0.00344 mg/L	0.0026 mg/L	2
Selenium, total	<0.002 mg/L	0.0157 mg/L	0.0124 mg/L	<0.0013 mg/L	5
Silver, total	<0.0002 mg/L	<0.000276 mg/L	<0.0005 mg/L	<0.001 mg/L	0.5
Thallium, total	<0.0005 mg/L	<0.000966 mg/L	<0.001 mg/L	<0.000106 mg/L	0.5

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Zinc, total	0.0118 mg/L	0.0071 mg/L	0.0157 mg/L	0.00588 mg/L	5.0

TABLE 3 (Instructions, Page 58)

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

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

Table 3 for Outfall No.: 001

Samples are (check one): ☐ Composite ☒ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Acrylonitrile	<2.00	<2.00	<2.00	<2.00	50
Anthracene	<0.998	<1.00	<1.00	<1.02	10
Benzene	<1.00	<1.00	<1.00	<1.00	10
Benzidine	<20.0	<20.0	<20.0	<20.4	50
Benzo(a)anthracene	<0.998	<1.00	<1.00	<1.02	5
Benzo(a)pyrene	<0.998	<1.00	<1.00	<1.02	5
Bis(2-chloroethyl)ether	<0.998	<1.00	<1.00	<1.02	10
Bis(2-ethylhexyl)phthalate	<7.49	<7.52	<7.50	<7.64	10
Bromodichloromethane [Dichlorobromomethane]	<1.00	<1.00	<1.00	1.18	10
Bromoform	<2.00	<2.00	<2.00	<2.00	10
Carbon tetrachloride	<1.00	<1.00	<1.00	<1.00	2
Chlorobenzene	<1.00	<1.00	<1.00	<1.00	10
Chlorodibromomethane [Dibromochloromethane]	<1.00	<1.00	<1.00	<1.00	10
Chloroform	38.1	<1.00	<1.00	32.5	10
Chrysene	<0.998	<1.00	<1.00	<1.02	5
m-Cresol [3-Methylphenol]	<6.19	<6.21	<6.20	<6.31	10
o-Cresol [2-Methylphenol]	<5.19	<5.21	<5.20	<5.30	10
p-Cresol [4-Methylphenol]	<6.19	<6.21	<6.20	<6.31	10
1,2-Dibromoethane	<1.00	<1.00	<1.00	<1.00	10
m-Dichlorobenzene [1,3-Dichlorobenzene]	<1.00	<1.00	<1.00	<1.02	10
o-Dichlorobenzene [1,2-Dichlorobenzene]	<1.00	<1.00	<1.00	<1.02	10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
p-Dichlorobenzene [1,4-Dichlorobenzene]	<1.00	<1.00	<1.00	<1.02	10
3,3'-Dichlorobenzidine	<4.99	<5.00	<5.00	<5.00	5
1,2-Dichloroethane	<1.00	<1.0	<1.00	<1.00	10
1,1-Dichloroethene [1,1-Dichloroethylene]	<1.00	<1.00	<1.00	<1.00	10
Dichloromethane [Methylene chloride]	<2.00	<2.00	<2.00	<2.00	20
1,2-Dichloropropane	<1.01	<1.01	<1.01	<1.01	10
1,3-Dichloropropene [1,3-Dichloropropylene]	<1.00	<1.00	<1.00	<1.00	10
2,4-Dimethylphenol	<2.40	<2.40	<2.40	<2.44	10
Di-n-Butyl phthalate	<7.49	<7.52	<7.50	<7.64	10
Ethylbenzene	<1.00	<1.00	<1.00	<1.00	10
Fluoride	2.11 mg/L	0.6 mg/L	<5.09	3.11 mg/L	500
Hexachlorobenzene	<0.998	<1.00	<1.00	<1.02	5
Hexachlorobutadiene	<0.998	<1.00	<1.00	<1.02	10
Hexachlorocyclopentadiene	<8.98	<9.02	<9.00	<9.16	10
Hexachloroethane	<0.998	<1.00	<1.00	<1.02	20
Methyl ethyl ketone	<10.0	<10.0	<10.0	<10.0	50
Nitrobenzene	<0.998	<1.00	<1.00	<1.02	10
N-Nitrosodiethylamine	<0.998	<1.00	<1.00	<1.02	20
N-Nitroso-di-n-butylamine	<0.998	<1.00	<1.00	<1.02	20
Nonylphenol	<34.8	<36.5	<36.0	<34.9	333
Pentachlorobenzene	<0.998	<1.00	<1.00	<1.02	20
Pentachlorophenol	<0.998	<1.00	<1.00	<1.02	5
Phenanthrene	<0.998	<1.00	<1.00	<1.02	10
Polychlorinated biphenyls (PCBs) (**)	<0.200	<0.200	<0.200	<0.205	0.2
Pyridine	<5.39	<5.41	<5.40	<5.50	20
1,2,4,5-Tetrachlorobenzene	<0.998	<1.00	<1.00	<1.02	20
1,1,2,2-Tetrachloroethane	<2.00	<2.00	<2.00	<2.00	10
Tetrachloroethene [Tetrachloroethylene]	<1.00	<1.00	<1.00	<1.00	10
Toluene	<1.00	<1.00	<1.00	<1.00	10
1,1,1-Trichloroethane	<1.00	<1.00	<1.00	<1.00	10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
1,1,2-Trichloroethane	<2.00	<2.00	<2.00	<2.00	10
Trichloroethene [Trichloroethylene]	<1.00	<1.00	<1.00	<1.00	10
2,4,5-Trichlorophenol	<0.998	<1.00	<1.00	<1.02	50
TTHM (Total trihalomethanes)	0.0381 mg/L	<0.002 mg/L	<0.002 mg/L	0.03368 mg/L	10
Vinyl chloride	<1.04	<1.04	<1.04	<1.04	10

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

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

TABLE 4 (Instructions, Pages 58-59)

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

a. Tributyltin

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

☐ Yes ☒ No

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

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

b. Enterococci (discharge to saltwater)

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

☐ Yes ☒ No

Domestic wastewater is/will be discharged.

☐ Yes ☒ No

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

c. E. coli (discharge to freshwater)

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

☐ Yes ☒ No

Domestic wastewater is/will be discharged.

☐ Yes ☒ No

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

Table 4 for Outfall No.: NA

Samples are (check one): ☐ Composite ☐ Grab

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

TABLE 5 (Instructions, Page 59)

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

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

☒ N/A

Table 5 for Outfall No.: NA

Samples are (check one): ☐ Composite ☐ Grab

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

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Diuron	NA	NA	NA	NA	0.090
Endosulfan I (<i>alpha</i>)	NA	NA	NA	NA	0.01
Endosulfan II (<i>beta</i>)	NA	NA	NA	NA	0.02
Endosulfan sulfate	NA	NA	NA	NA	0.1
Endrin	NA	NA	NA	NA	0.02
Guthion [Azinphos methyl]	NA	NA	NA	NA	0.1
Heptachlor	NA	NA	NA	NA	0.01
Heptachlor epoxide	NA	NA	NA	NA	0.01
Hexachlorocyclohexane (<i>alpha</i>)	NA	NA	NA	NA	0.05
Hexachlorocyclohexane (<i>beta</i>)	NA	NA	NA	NA	0.05
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]	NA	NA	NA	NA	0.05
Hexachlorophene	NA	NA	NA	NA	10
Malathion	NA	NA	NA	NA	0.1
Methoxychlor	NA	NA	NA	NA	2.0
Mirex	NA	NA	NA	NA	0.02
Parathion (ethyl)	NA	NA	NA	NA	0.1
Toxaphene	NA	NA	NA	NA	0.3
2,4,5-TP [Silvex]	NA	NA	NA	NA	0.3

* Indicate units if different from µg/L.

TABLE 6 (Instructions, Page 59)

Completion of Table 6 **is required** for all **external outfalls**.

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

Samples are (check one): ☐ Composite ☒ Grab

Pollutants	Believed Present	Believed Absent	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)	MAL (µg/L)*
Bromide	☒	☐	7.90				400
Color (PCU)	☒	☐	20 PtCo				—
Nitrate-Nitrite (as N)	☒	☐	<0.530				—
Sulfide (as S)	☒	☐	0.0428				—
Sulfite (as SO3)	☒	☐	<2.00				—
Surfactants	☒	☐	<0.200				—
Boron, total	☒	☐	3.52				20
Cobalt, total	☒	☐	0.000803				0.3
Iron, total	☒	☐	0.895				7
Magnesium, total	☒	☐	226				20
Manganese, total	☒	☐	0.245				0.5
Molybdenum, total	☒	☐	0.195				1
Tin, total	☒	☐	0.0483				5
Titanium, total	☒	☐	<0.030				30

TABLE 7 (Instructions, Page 60)

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

☒ N/A

Table 7 for Applicable Industrial Categories

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

* Test if believed present.

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

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

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

Table 8 for Outfall No.: NA

Samples are (check one): ☐ Composite ☐ Grab

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

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

* Indicate units if different from µg/L.

Table 9 for Outfall No.: NA

Samples are (check one): ☐ Composite ☐ Grab

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

* Indicate units if different from µg/L.

Table 10 for Outfall No.: NA

Samples are (check one): ☐ Composite ☐ Grab

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

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

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

* Indicate units if different from µg/L.

Table 11 for Outfall No.: NA

Samples are (check one): ☐ Composite ☐ Grab

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

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

* Indicate units if different from µg/L.

Attachment: NA

TABLE 12 (DIOXINS/FURAN COMPOUNDS)

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

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

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

Description: NA

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

- ☐ Yes ☒ No

Description: NA

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

Table 12 for Outfall No.: NA

Samples are (check one): ☐ Composite ☐ Grab

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

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

TABLE 13 (HAZARDOUS SUBSTANCES)

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

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

Table 13 for Outfall No.: **001**

Samples are (check one): ☐ Composite ☒ Grab

Pollutant	CASRN	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	Analytical Method
Strontium	7440-24-6	13.1 mg/L				EPA 200.7

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

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND APPLICATION OF EFFLUENT

This worksheet is **required** for all applications for a permit to disposal of wastewater by land application (i.e., TLAP)).

Item 1. Type of Disposal System (Instructions, Page 69)

Check the box next to the type of land disposal requested by this application:

☐ Irrigation	☐ Subsurface application
☐ Evaporation	☐ Subsurface soils absorption
☐ Evapotranspiration beds	☐ Surface application
☐ Drip irrigation system	☐ Other, specify: <u>NA</u>

Item 2. Land Application Area (Instructions, Page 69)

Land Application Area Information

Effluent Application (gallons/day)	Irrigation Acreage (acres)	Describe land use & indicate type(s) of crop(s)	Public Access? (Y/N)
NA	NA	NA	NA

Item 3. Annual Cropping Plan (Instructions, Page 69)

Attach the required cropping plan that includes each of the following:

- Cool and warm season plant species
- Breakdown of acreage and percent of total acreage for each crop
- Crop growing season
- Harvesting method/number of harvests
- Minimum/maximum harvest height
- Crop yield goals
- Soils map
- Nitrogen requirements per crop
- Additional fertilizer requirements
- Supplemental watering requirements
- Crop salt tolerances
- Justification for not removing existing vegetation to be irrigated

Attachment: NA

Item 4. Well and Map Information (Instructions, Page 70)

- a. Check each box to confirm the required information is shown and labeled on the attached USGS map:

- ☐ The exact boundaries of the land application area
- ☐ On-site buildings
- ☐ Waste-disposal or treatment facilities
- ☐ Effluent storage and tailwater control facilities
- ☐ Buffer zones
- ☐ All surface waters in the state onsite and within 500 feet of the property boundaries
- ☐ All water wells within ½-mile of the disposal site, wastewater ponds, or property boundaries
- ☐ All springs and seeps onsite and within 500 feet of the property boundaries

Attachment: NA

- b. List and cross reference all water wells located on or within 500 feet of the disposal site, wastewater ponds, or property boundaries in the following table. Attach additional pages as necessary to include all of the wells.

Well and Map Information Table

Well ID	Well Use	Producing? Y/N/U	Open, cased, capped, or plugged?	Proposed Best Management Practice
NA	NA	NA	NA	NA

Attachment: NA

- c. Groundwater monitoring wells or lysimeters are/will be installed around the land application site or wastewater ponds.

☐ Yes ☐ No

If **yes**, provide the existing/proposed location of the monitoring wells or lysimeters on the site map attached for Item 4.a. Additionally, attach information on the depth of the wells or lysimeters, sampling schedule, and monitoring parameters for TCEQ review, possible modification, and approval.

Attachment: NA

- d. Attach a short groundwater technical report using 30 TAC § 309.20(a)(4) as guidance.

Attachment:

Item 5. Soil Map and Soil Information (Instructions, Page 71)

Check each box to confirm that the following information is attached:

- ☐ USDA NRCS Soil Survey Map depicting the area to be used for land application with the locations identified by fields and crops.
- ☐ Breakdown of acreage and percent of total acreage for each soil type.
- ☐ Copies of laboratory soil analyses. **Attachment: NA**

Item 6. Effluent Monitoring Data (Instructions, Page 72)

- a. Completion of Table 14 is **required** for all **renewal** and **major amendment** applications. Complete the table with monitoring data for the previous two years for all parameters regulated in the current permit. An additional table has been provided with blank headers for parameters regulated in the current permit which are not listed in Table 14.

Table 14 for Outfall No.: NA Samples are (check one): ☒ Composite ☐ Grab

Samples are (check one): ☐ Composite ☐ Grab

Composite ☐ **Grab**

[illegible]

Item 7. Pollutant Analysis (Instructions, Page 72)

- Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): NA
- ☐ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- Complete Tables 15 and 16.

Table 15 for Outfall No.: NA

Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)	NA	NA	NA	NA
CBOD (5-day)	NA	NA	NA	NA
Chemical oxygen demand	NA	NA	NA	NA
Total organic carbon	NA	NA	NA	NA
Dissolved oxygen	NA	NA	NA	NA
Ammonia nitrogen	NA	NA	NA	NA
Total suspended solids	NA	NA	NA	NA
Nitrate nitrogen	NA	NA	NA	NA
Total organic nitrogen	NA	NA	NA	NA
Total phosphorus	NA	NA	NA	NA
Oil and grease	NA	NA	NA	NA
Total residual chlorine	NA	NA	NA	NA
Total dissolved solids	NA	NA	NA	NA
Sulfate	NA	NA	NA	NA
Chloride	NA	NA	NA	NA
Fluoride	NA	NA	NA	NA
Total alkalinity (mg/L as CaCO ₃)	NA	NA	NA	NA
Temperature (°F)	NA	NA	NA	NA
pH (standard units)	NA	NA	NA	NA

Table 16 for Outfall No.: NA

Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total	NA	NA	NA	NA	2.5
Antimony, total	NA	NA	NA	NA	5
Arsenic, total	NA	NA	NA	NA	0.5
Barium, total	NA	NA	NA	NA	3

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Beryllium, total	NA	NA	NA	NA	0.5
Cadmium, total	NA	NA	NA	NA	1
Chromium, total	NA	NA	NA	NA	3
Chromium, hexavalent	NA	NA	NA	NA	3
Chromium, trivalent	NA	NA	NA	NA	N/A
Copper, total	NA	NA	NA	NA	2
Cyanide, available	NA	NA	NA	NA	2/10
Lead, total	NA	NA	NA	NA	0.5
Mercury, total	NA	NA	NA	NA	0.005/0.0005
Nickel, total	NA	NA	NA	NA	2
Selenium, total	NA	NA	NA	NA	5
Silver, total	NA	NA	NA	NA	0.5
Thallium, total	NA	NA	NA	NA	0.5
Zinc, total	NA	NA	NA	NA	5.0

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 3.1: SURFACE LAND APPLICATION AND APPLICATION

This worksheet **is required** for all applications for a permit to disposal of wastewater by surface land application or evaporation.

Item 1. Edwards Aquifer (Instructions, Page 73)

a. Is the facility subject to *30 TAC Chapter 213, Edwards Aquifer Rules*?

☐ Yes ☒ No

If **no**, proceed to Item 2. If **yes**, complete Items 1.b and 1.c.

b. Check the box next to the subchapter applicable to the facility.

☐ 30 TAC Chapter 213, Subchapter A

☐ 30 TAC Chapter 213, Subchapter B

c. If *30 TAC Chapter 213, Subchapter A* applies, attach **either**: 1) a Geologic Assessment (if conducted in accordance with *30 TAC § 213.5*) or 2) a report that contains the following:

- A description of the surface geological units within the proposed land application site and wastewater pond area.
- The location and extent of any sensitive recharge features in the land application site and wastewater pond area
- A list of any proposed BMPs to protect the recharge features.

Attachment: NA

Item 2. Surface Spray/Irrigation (Instructions, Page 73)

a. Provide the following information on the irrigation operations:

Area under irrigation (acres): NA

Design application rate (acre-ft/acre/yr): NA

Design application frequency (hours/day): NA

Design application frequency (days/week): NA

Design total nitrogen loading rate (lbs nitrogen/acre/year): NA

Average slope of the application area (percent): NA

Maximum slope of the application area (percent): NA

Irrigation efficiency (percent): NA

Effluent conductivity (mmhos/cm): NA

Soil conductivity (mmhos/cm): NA

Curve number: NA

Describe the application method and equipment: NA

- b. Attach a detailed engineering report which includes a water balance, storage volume calculations, and a nitrogen balance. **Attachment:** NA

Item 3. Evaporation Ponds (Instructions, Page 74)

- a. Daily average effluent flow into ponds: NA gallons per day
- b. Attach a separate engineering report of evaporation calculations for average long-term and worst-case critical conditions. **Attachment:** NA

Item 4. Evapotranspiration Beds (Instructions, Page 74)

- a. Provide the following information on the evapotranspiration beds:
- Number of beds: NA
- Area of bed(s) (acres): NA
- Depth of bed(s) (feet): NA
- Void ratio of soil in the beds: NA
- Storage volume within the beds (include units): NA
- Description of any lining to protect groundwater: NA
- b. Attach a certification by a licensed Texas professional engineer that the liner meets TCEQ requirements. **Attachment:** NA
- c. Attach a separate engineering report with water balance, storage volume calculations, and description of the liner. **Attachment:** NA

Item 5. Overland Flow (Instructions, Page 74)

- a. Provide the following information on the overland flow:
- Area used for application (acres): NA
- Slopes for application area (percent): NA
- Design application rate (gpm/foot of slope width): NA
- Slope length (feet): NA
- Design BOD5 loading rate (lbs BOD5/acre/day): NA
- Design application frequency (hours/day): NA
- Design application frequency (days/week): NA
- b. Attach a separate engineering report with the method of application and design requirements according to 30 TAC § 217.212. **Attachment:** NA

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 3.2: SUBSURFACE IRRIGATION (NON-DRIP)

This worksheet **is required** for all applications for a permit to disposal of wastewater by subsurface land application.

- ☐ Check the box to confirm the Class V Injection Well Inventory/Authorization Form (Worksheet 9.0) has been submitted to the TCEQ UIC Permits Team as directed.

Item 1. Edwards Aquifer (Instructions, Page 75)

- a. The subsurface system is/will be located on the Edwards Aquifer Recharge Zone, as mapped by TCEQ?
- ☐ Yes ☒ No
- b. The subsurface system is/will be located on the Edwards Aquifer Transition Zone, as mapped by TCEQ?
- ☐ Yes ☒ No

If **yes** to Item 1.a or 1.b, the subsurface system may be prohibited by *30 TAC § 213.8*. Contact the Water Quality Assessment Section at (512) 239-4671 for a preapplication meeting.

Item 2. Subsurface Application (Instructions, Page 75)

- a. Check the box next to the type of subsurface land disposal system requested:
- ☐ Conventional drainfield, beds, or trenches
- ☐ Low pressure dosing
- ☐ Other: NA
- b. Provide the following information on the irrigation operations:
- Application area (acres): NA
- Area of drainfield (square feet): NA
- Application rate (gal/square ft/day): NA
- Depth to groundwater (feet): NA
- Area of trench (square feet): NA
- Dosing duration per area (hours): NA
- Number of beds: NA
- Dosing amount per area (inches/day): NA
- Soil infiltration rate (inches/hour): NA
- Storage volume (gallons): NA
- Area of bed(s) (square feet): NA
- Soil classification: NA
- c. Attach a separate engineering report using *30 TAC § 309.20, Subchapter C, Land Disposal of Sewage Effluent* as guidance, excluding items b(3)(A) and b(3)(B). Include a description of the schedule of dosing basin rotation. **Attachment:** NA

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 3.3: SUBSURFACE AREA DRIP DISPERSAL SYSTEMS

This worksheet is **required** for all applications for a permit to dispose of wastewater using a subsurface area drip dispersal system (SADDs).

- ☐ Check the box to confirm the Class V Injection Well Inventory/Authorization Form (Worksheet 9.0) has been submitted to the TCEQ UIC Permits Team as directed.

Item 1. Edwards Aquifer (Instructions, Page 76)

- a. The subsurface system is/will be located on the Edwards Aquifer Recharge Zone, as mapped by TCEQ?

☐ Yes ☐ No

- b. The subsurface system is/will be located on the Edwards Aquifer Transition Zone, as mapped by TCEQ?

☐ Yes ☐ No

If **yes** to Item 1.a or 1.b, the subsurface system may be prohibited by *30 TAC § 213.8*. Contact the Water Quality Assessment Section at (512) 239-4671 for a preapplication meeting.

Item 2. Administrative Information (Instructions, Page 76)

- a. Provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the treatment facility: NA

- b. The owner of the land where the WWTF is/will be located is the same as the owner of the WWTF.

☐ Yes ☐ No

If **no**, provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the land where the WWTF is/will be located: NA

- c. Provide the legal name of the owner of the SADDs: NA

- d. The owner of the SADDs is the same as the owner of the WWTF or the site where the WWTF is/will be located.

☐ Yes ☐ No

If **no**, identify the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in Item 1.c: NA

- e. Provide the legal name of the owner of the land where the SADDs is located: NA

- f. The owner of the land where the SADDs is/will be located is the same as owner of the WWTF, the site where the WWTF is located, or the owner of the SADDs.

☐ Yes ☐ No

If **no**, provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in item 1.e: NA

Item 3. SADDs (Instructions, Page 77)

a. Check the box next to the type SADDs requested by this application:

- ☐ Subsurface drip/trickle irrigation
- ☐ Surface drip irrigation
- ☐ Other: NA

b. Attach a description of the SADDs proposed/used by the facility (see instructions for guidance). **Attachment:** NA

c. Provide the following information on the SADDs:

Application area (acres): NA

Soil infiltration rate (inches/hour): NA

Average slope of the application area: NA

Maximum slope of the application area: NA

Storage volume (gallons): NA

Major soil series: NA

Depth to groundwater (feet): NA

Effluent conductivity (mmhos/cm): NA

d. The facility is/will be located west of the boundary shown in 30 TAC § 222.83 **and** using a vegetative cover of non-native grasses over seeded with cool-season grasses.

- ☐ Yes ☐ No

If **yes**, the facility may propose a hydraulic application rate up to, but not to exceed, 0.1 gal/ft²/day.

e. The facility is/will be located east of the boundary shown in 30 TAC § 222.83 **or** is the facility proposing any crop other than non-native grasses.

- ☐ Yes ☐ No

If **yes**, the facility must use the formula in 30 TAC § 222.83 to calculate the maximum hydraulic application rate.

f. The facility has or plans to submit an alternative method to calculate the hydraulic application rate for approval by the ED.

- ☐ Yes ☐ No

If **yes**, provide the following information on the hydraulic application rates:

- Hydraulic application rate (gal/square foot/day): NA
- Nitrogen application rate (gal/square foot/day): NA

g. Provide the following dosing information:

Number of doses per day: NA

Dosing duration per area (hours): NA

Rest period between doses (hours): NA

Dosing amount per area (inches/day): NA

Number of zones: NA

- h. The system is/will be a surface drip irrigation system using existing native vegetation as a crop?

☐ Yes ☐ No

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

- A vegetation survey by a certified arborist describing the percent canopy cover and relative percentage of major overstory and understory plant species.

Attachment: NA

- Attach a separate engineering report using *30 TAC § 309.20, Subchapter C, Land Disposal of Sewage Effluent* as guidance, excluding items b(3)(A) and b(3)(B). Include a description of the schedule of dosing basin rotation.

Attachment: NA

Item 4. Required Plans (Instructions, Page 78)

- a. Attach a Soil Evaluation with all information required in *30 TAC § 222.73*.

Attachment: NA

- b. Attach a Site Preparation Plan with all information required in *30 TAC § 222.75*.

Attachment: NA

- c. Attach a Recharge Feature Plan with all information required in *30 TAC § 222.79*.

Attachment: NA

- d. Provide soil sampling and testing with all information required in *30 TAC § 222.157*.

Attachment: NA

Item 5. Flood and Run-On Protection (Instructions, Page 79)

- a. Is the existing/proposed SADDs located within the 100-year frequency flood level?

☐ Yes ☐ No

Source: NA

If **yes**, describe how the site will be protected from inundation: NA

- b. Is the existing/proposed SADDs within a designated floodway?

☐ Yes ☐ No

If **yes**, attach either the FEMA flood map or alternate information used to make this determination. **Attachment:** NA

Item 6. Surface Waters in The State (Instructions, Page 79)

- a. Attach a buffer map which shows the appropriate buffers on surface waters in the state, water wells, and springs/seeps. **Attachment:** NA
- b. The facility has or plans to request a buffer variance from water wells or waters in the state?
☐ Yes ☐ No

If **yes**, attach the additional information required in *30 TAC § 222.81(c)*. **Attachment:** NA

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 4.0: RECEIVING WATERS

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

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

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

☐ Yes ☒ No

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

1. The legal name of the owner of the drinking water supply intake: NA
2. The distance and direction from the outfall to the drinking water supply intake: NA

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

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

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

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

- a. Width of the receiving water at the outfall: NA feet

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

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s) to the oyster reefs: NA

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

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s) to the grasses: NA

Item 3. Classified Segment (Instructions, Page 80)

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

☐ Yes ☒ No

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

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

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

a. Name of the immediate receiving waters: Olmito Branch of Ditch no. 3 of CCDD no. 1

b. Check the appropriate description of the immediate receiving waters:

- ☐ Lake or Pond
 - Surface area (acres): NA
 - Average depth of the entire water body (feet): NA
 - Average depth of water body within a 500-foot radius of the discharge point (feet): NA
- ☒ Man-Made Channel or Ditch
- ☐ Stream or Creek
- ☐ Freshwater Swamp or Marsh
- ☐ Tidal Stream, Bayou, or Marsh
- ☐ Open Bay
- ☐ Other, specify:

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

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

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

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

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

- ☐ USGS flow records
- ☒ personal observation
- ☐ historical observation by adjacent landowner(s)
- ☐ other, specify: NA

d. List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point: Olmito Branch Ditch no. 3 of CCDD no. 1

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

- ☐ Yes
- ☒ No

If yes, describe how: NA

- f. General observations of the water body during normal dry weather conditions: Agricultural waste drain containing irrigation return flows.

Date and time of observation: Several occasions throughout the year.

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

☐ Yes ☒ No

If yes, describe how: NA

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

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

☐ oil field activities	☐ urban runoff
☒ agricultural runoff	☐ septic tanks
☐ upstream discharges	☐ other, specify: <u>NA</u>

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

☐ livestock watering	☐ industrial water supply
☐ non-contact recreation	☐ irrigation withdrawal
☐ domestic water supply	☐ navigation
☐ contact recreation	☐ picnic/park activities
☐ fishing	☐ other, specify: <u>NA</u>

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

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

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

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

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

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 4.1: WATERBODY PHYSICAL CHARACTERISTICS

The following information **is required** for new applications, EPA-designated Major facilities, and major amendment applications requesting to add an outfall if the receiving waters are perennial or intermittent with perennial pools (including impoundments) for a TDPES permit.

Complete the transects downstream of the existing or proposed discharges.

Item 1. Data Collection (Instructions, Page 82)

- a. Date of study: NA Time of study: NA
 Waterbody name: NA
 General location: NA
- b. Type of stream upstream of an existing discharge or downstream of a proposed discharge (check only one):
☐ perennial ☐ intermittent with perennial pools ☐ impoundment
- c. No. of defined stream bends:
 Well: NA Moderately: NA Poorly: NA
- d. No. of riffles: NA
- e. Evidence of flow fluctuations (check one):
☐ Minor ☐ Moderate ☐ Severe
- f. Provide the observed stream uses and where there is evidence of channel obstructions/modifications: NA
- g. Complete the following table with information regarding the transect measurements.

Stream Transect Data

Transect Location	Habitat Type*	Water Surface Width (ft)	Stream Depths (ft)**								
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

* riffle, run, glide, or pool

** channel bed to water surface

Item 2. Summarize Measurements (Instructions, Page 83)

Provide the following information regarding the transect measurements:

Streambed slope of entire reach (from USGS map in ft. /ft.): NA

Approximate drainage area above the most downstream transect from USGS map or county highway map (square miles): NA

Length of stream evaluated (ft): NA

Number of lateral transects made: NA

Average stream width (ft): NA

Average stream depth (ft): NA

Average stream velocity (ft/sec): NA

Instantaneous stream flow (ft³/sec): NA

Indicate flow measurement method (VERY IMPORTANT – type of meter, floating chip timed over a fixed distance, etc.): NA

Flow fluctuations (i.e., minor, moderate, or severe): NA

Size of pools (i.e., large, small, moderate, or none): NA

Maximum pool depth (ft): NA

Total number of stream bends: NA

Number well defined: NA

Number moderately defined: NA

Number poorly defined: NA

Total number of riffles: NA

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 5.0: SEWAGE SLUDGE MANAGEMENT AND DISPOSAL

The following information is **required** for all TPDES permit applications that meet the conditions as outlined in Technical Report 1.0, Item 7.

Item 1. Sewage Sludge Solids Management Plan (Instructions, Page 84)

a. Is this a new permit application or an amendment permit application?

☐ Yes ☒ No

b. Does or will the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

If **yes** to either Item 1.a or 1.b, attach a solids management plan. **Attachment:** NA

Item 2. Sewage Sludge Management and Disposal (Instructions, Page 84)

a. Check the box next to the sludge disposal method(s) authorized under the facility's existing permit (check all that apply).

- ☐ Permitted landfill
- ☐ Marketing and distribution by the permittee, attach Form TCEQ-00551
- ☐ Registered land application site, attach Form TCEQ-00565
- ☐ Processed by the permittee, attach Form TCEQ-00744
- ☐ Surface disposal site (sludge monofill), attach Form TCEQ-00744
- ☐ Transported to another WWTP
- ☐ Beneficial land application, attach Form TCEQ-10451
- ☐ Incineration, attach Form TCEQ-00744

Based on the selection(s) made above, complete and attach the required TCEQ forms as directed. Failure to submit the required TCEQ form will result in delays in processing the application

Attachment: NA

b. Provide the following information for each disposal site:

Disposal site name: NA

TCEQ Permit/Registration Number: NA

County where disposal site is located: NA

c. Method of sewage sludge transportation:

☐ truck ☐ train ☐ pipe ☐ other: NA

TCEQ Hauler Registration Number: NA

d. Sludge is transported as a:

☐ liquid ☐ semi-liquid ☐ semi-solid ☐ solid

e. Purpose of land application: ☐ reclamation ☐ soil conditioning ☒ N/A

f. If sewage sludge is transported to another WWTP for treatment, attach a written statement or copy of contractual agreements confirming that the WWTP identified above will accept and be responsible for the sludge from this facility for the life of the permit (at least 5 years).

Attachment: NA

Item 3. Authorization for Sewage Sludge Disposal (Instructions, Page 85)

If this is a new or major amendment application which requests authorization of a new sewage sludge disposal method, check the new sewage disposal method(s) requested for authorization (check all that apply):

- ☐ Marketing and distribution by the permittee, attach Form TCEQ-00551
- ☐ Processed by the permittee, attach Form TCEQ-00744
- ☐ Surface disposal site (sludge monofill), attach Form TCEQ-00744
- ☐ Beneficial land application, attach Form TCEQ-10451
- ☐ Incineration, attach Form TCEQ-00744

Based on the selection(s) made above, complete and attach any required TCEQ forms, as directed. Failure to submit the required TCEQ form will result in delays in processing the application.

Attachment: NA

NOTE: New authorization for beneficial land application, incineration, processing, or disposal in the TPDES permit or TLAP **requires a major amendment to the permit.** New authorization for composting may require a major amendment to the permit. See the instructions to determine if a major amendment is required or if authorization for composting can be added through the renewal process.

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following information is **required** for all applications for publicly-owned treatment works (POTWs).

For an explanation of the terms used in this worksheet, refer to the General Definitions on pages 4-12 and the Definitions Relating to Pretreatment on pages 13-14 of the Instructions.

Item 1. All POTWs (Instructions, Page 86)

- a. Complete the following table with the number of each type of industrial users (IUs) that discharge to the POTW and the daily average flows from each.

Industrial User Information

Type of Industrial User	Number of Industrial Users	Daily Average Flow (gallons per day)
CIU	NA	NA
SIU - Non-categorical	NA	NA
Other IU	NA	NA

- b. In the past three years, has the POTW experienced treatment plant interference?

☐ Yes ☐ No

If **yes**, identify the date(s), duration, nature of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IU(s) that may have caused the interference: NA

- c. In the past three years, has the POTW experienced pass-through?

☐ Yes ☐ No

If **yes**, identify the date(s), duration, pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass-through event. Include the names of the IU(s) that may have caused the pass-through: NA

- d. Does the POTW have, or is it required to develop, an approved pretreatment program?

☐ Yes ☐ No

If **yes**, answer all questions in Item 2 and skip Item 3.

If **no**, skip Item 2 and answer all questions in Item 3 for each SIU and CIU.

Item 2. POTWs With Approved Pretreatment Programs or Those Required To Develop A Pretreatment Program (Instructions, Page 86)

- a. Have there been any substantial modifications to the POTW's approved pretreatment program that have not been submitted to the Approval Authority (TCEQ) for approval according to 40 CFR § 403.18?

☐ Yes ☐ No

If **yes**, include an attachment which identifies all substantial modifications that have not been submitted to the TCEQ and the purpose of the modifications.

Attachment: NA

- b. Have there been any non-substantial modifications to the POTW's approved pretreatment program that have not been submitted to the Approval Authority (TCEQ)?

☐ Yes ☐ No

If **yes**, include an attachment which identifies all non-substantial modifications that have not been submitted to the TCEQ and the purpose of the modification.

Attachment: NA

- c. List all parameters measured above the MAL in the POTW's effluent monitoring during the last three years:

Effluent Parameters Measured Above the MAL

Pollutant	Concentration	MAL	Units	Date
NA	NA	NA	NA	NA

Attachment: NA

- d. Has any SIU, CIU, or other IU caused or contributed to any other problems (excluding interference or pass-through) at the POTW in the past three years?

☐ Yes ☐ No

If **yes**, provide a description of each episode, including date(s), duration, description of problems, and probable pollutants. Include the name(s) of the SIU(s)/CIU(s)/other IU(s) that may have caused or contributed to any of the problems: NA

Item 3. Significant Industrial User and Categorical Industrial User Information (Instructions, Pages 88-87)

POTWs that **do not** have an approved pretreatment program **are required** to provide the following information for each SIU and CIU:

- a. Mr. or Ms.: NA First/Last Name: NA

Organization Name: NA

SIC Code: NA

Phone number: NA

Email address: NA

Physical Address: NA

City/State/ZIP Code: NA

Attachment: NA

- b. Describe the industrial processes or other activities that affect or contribute to the SIU(s) or CIU(s) discharge (e.g., process and non-process wastewater): NA
- c. Provide a description of the principal products(s) or service(s) performed: NA
- d. Flow rate information

Flow Rate Information

Effluent Type	Discharge Day (gallons per day)	Discharge Frequency (Continuous, batch, or intermittent)
Process Wastewater	NA	NA
Non-process Wastewater	NA	NA

e. Pretreatment Standards

1. Is the SIU or CIU subject to technology-based local limits as defined in the application instructions?

☐ Yes ☐ No

2. Is the SIU subject to categorical pretreatment standards?

☐ Yes ☐ No

If **yes**, provide the category and subcategory or subcategories in the SIUs Subject To Categorical Pretreatment Standards table.

SIUs Subject to Categorical Pretreatment Standards

Category in 40 CFR	Subcategory in 40 CFR	Subcategory in 40 CFR	Subcategory in 40 CFR	Subcategory in 40 CFR
NA	NA	NA	NA	NA

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

☐ Yes ☐ No

If **yes**, provide a description of each episode, including dates, duration, description of problems, and probable pollutants, and include the name(s) of the SIU(s)/CIU(s) that may have caused or contributed to the problem(s): NA

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 7.0: STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

This worksheet is **required** for all TPDES permit applications requesting individual permit coverage for discharges consisting of **either**: 1) solely of stormwater discharges associated with industrial activities, as defined in *40 CFR § 122.26(b)(14)(i-xi)*, **or** 2) stormwater discharges associated with industrial activities and any of the listed allowable non-stormwater discharges, as defined in the MSGP (TXR05000), Part II, Section A, Item 6.

Discharges of stormwater as defined in *40 CFR § 122.26 (b)(13)* are not required to obtain authorization under a TPDES permit (see exceptions at *40 CFR §§ 122.26(a)(1)* and *(9)*). Authorization for discharge may be required from a local municipal separate storm sewer system.

Item 1. Applicability (Instructions, Page 89)

Do discharges from any of the existing/proposed outfalls consist either 1) solely of stormwater discharges associated with industrial activities **or** 2) stormwater discharges associated with industrial activities and any of the allowable non-stormwater discharges?

☐ Yes ☒ No

If **no**, stop here. If **yes**, proceed as directed.

Item 2. Stormwater Coverage (Instructions, Page 89)

List each existing/proposed stormwater outfall at the facility and indicate which type of authorization covers or is proposed to cover discharges.

Authorization Coverage

Outfall	Authorization under MSGP	Authorized Under Individual Permit
NA	☐ NA	☐ NA
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐

If **all** existing/proposed outfalls which discharge stormwater associated with industrial activities (and any of the allowable non-stormwater discharges) are **authorized under the MSGP**, stop here.

If **seeking authorization** for any outfalls which discharge stormwater associated with industrial activities (and any of the allowable non-stormwater discharges) **under an individual permit**, proceed.

NOTE: The following information is required for each existing/proposed stormwater outfall for which the facility is seeking individual permit authorization under this application

Item 3. Site Map (Instructions, Page 90)

Attach a site map or maps (drawn to scale) of the entire facility with the following information.

- the location of each stormwater outfall to be covered by the permit
- an outline of the drainage area that is within the facility's boundary and that contributes stormwater to each outfall to be covered by the permit
- connections or discharge points to municipal separate storm sewer systems
- locations of all structures (e.g. buildings, garages, storage tanks)
- structural control devices that are designed to reduce pollution in discharges of stormwater associated with industrial activities
- process wastewater treatment units (including ponds)
- bag house and other air treatment units exposed to stormwater (stormwater runoff, snow melt runoff, and surface runoff and drainage)
- landfills; scrapyards; surface water bodies (including wetlands)
- vehicle and equipment maintenance areas
- physical features of the site that may influence discharges of stormwater associated with industrial activities or contribute a dry weather flow
- locations where spills or leaks of reportable quality (as defined in 30 TAC § 327.4) have occurred during the three years before this application was submitted to obtain coverage under an individual permit
- processing areas, storage areas, material loading/unloading areas, and other locations where significant materials are exposed to stormwater (stormwater runoff, snow melt runoff, and surface runoff and drainage)

☐ Check the box to confirm all above information was provided on the facility site map(s).

Attachment: NA

Item 4. Facility/Site Information (Instructions, Page 90)

- a. Provide the area of impervious surface and the total area drained by each stormwater outfall requested for authorization by this permit application.

Impervious Surfaces

Outfall	Area of Impervious Surface (include units)	Total Area Drained (include units)
NA	NA	NA

- b. Provide the following local area rainfall information and the source of the information.
Wettest month: NA
Average rainfall for wettest month (total inches): NA
25-year, 24-hour rainfall (inches): NA
Source: NA
- c. Attach an inventory, or list, of materials currently handled at the facility that may be exposed to precipitation. **Attachment:** NA
- d. Attach narrative descriptions of the industrial processes and activities involving the materials in the above-listed inventory that occur outdoors or in some manner that may result in exposure of the materials to precipitation or runoff (see instructions for guidance). **Attachment:** NA
- e. Describe any BMPs and controls the facility uses/proposes to prevent or effectively reduce pollution in stormwater discharges from the facility: NA

Item 5. Pollutant Analysis (Instructions, Page 91)

- a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): NA
- b. ☐ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- c. Complete Table 17 as directed on page 92 of the Instructions.

Table 17 for Outfall No.: NA

Pollutant	Grab Sample* Maximum (mg/L)	Composite Sample** Maximum (mg/L)	Grab Sample* Average (mg/L)	Composite Sample** Average (mg/L)	Number of Storm Events Sampled	MAL (mg/L)
pH (standard units)	(max) NA	—	(min) NA	—	NA	—
Total suspended solids	NA	NA	NA	NA	NA	—
Chemical oxygen demand	NA	NA	NA	NA	NA	—
Total organic carbon	NA	NA	NA	NA	NA	—
Oil and grease	NA	NA	NA	NA	NA	—
Arsenic, total	NA	NA	NA	NA	NA	0.0005
Barium, total	NA	NA	NA	NA	NA	0.003
Cadmium, total	NA	NA	NA	NA	NA	0.001
Chromium, total	NA	NA	NA	NA	NA	0.003
Chromium, trivalent	NA	NA	NA	NA	NA	—
Chromium, hexavalent	NA	NA	NA	NA	NA	0.003
Copper, total	NA	NA	NA	NA	NA	0.002

Item 6. Storm Event Data (Instructions, Page 93)

Provide the following data for the storm event(s) which resulted in the maximum values for the analytical data submitted:

Date of storm event: NA

Duration of storm event (minutes): NA

Total rainfall during storm event (inches): NA

Number of hours the between beginning of the storm measured and the end of the previous measurable storm event (hours): NA

Maximum flow rate during rain event (gallons/minute): NA

Total stormwater flow from rain event (gallons): NA

Provide a description of the method of flow measurement or estimate: NA

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 8.0: AQUACULTURE

This worksheet is **required** for all TPDES permit applications requesting individual permit coverage for discharges of aquaculture wastewater.

Item 1. Facility/Site Information (Instructions, Page 94)

- a. Complete the following table with information regarding production ponds, raceways, and fabricated tanks at the facility.

Production Pond Descriptions

Number of Ponds	Dimensions (include units)	Area of Each Pond (include units)	Number of Ponds x Area of Ponds (include Units)
NA	NA	NA	NA

Total surface area of all ponds: NA

Raceway Descriptions

Number of Raceways	Dimensions (include units)
NA	NA

Fabricated Tank Descriptions

Number of Tanks	Dimensions (include units)
NA	NA

b. Does the facility have a TPWD-approved emergency plan?

☐ Yes ☐ No

If **yes**, attach a copy of the approved plan.

Attachment: NA

c. Does the facility have an aquatic plant transplant authorization?

☐ Yes ☐ No

If **yes**, attach a copy of the authorization letter.

Attachment: NA

d. Provide the number of aquaculture facilities located within 25-miles of this facility: NA

Item 2. Species Identification (Instructions, Page 95)

Complete the following table regarding each species raised, source, origin, and disease status of the stock. Identify and attach copies of any current relevant authorizations or permits that authorize the species.

Stock Species Information

Species	Source of Stock	Origin of Stock	Disease Status	Authorizations
NA	NA	NA	NA	NA

Attachment: NA

Item 3. Stock Management Plan (Instructions, Page 95)

Attach a detailed stock management plan: NA

Item 4. Water Treatment and Discharge Description (Instructions, Page 96)

Attach a detailed description of the discharge practices and water treatment process(es): NA

Item 5. Solid Waste Management (Instructions, Page 96)

Attach a description of the solid waste-disposal practices: NA

Item 6. Site Assessment Report (Instructions, Page 96)

All new and expanding commercial shrimp facilities located/to be located within the coastal zone must attach a detailed site assessment report which identifies sensitive aquatic habitats within the coastal zone: NA

WORKSHEET 9.0

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

CLASS V INJECTION WELL INVENTORY/AUTHORIZATION FORM

Submit the completed form to:

TCEQ
IUC Permits Team
Radioactive Materials Division
MC-233
PO Box 13087
Austin, Texas 78711-3087
512-239-6466

For TCEQ Use Only

Reg. No. _____

Date Received _____

Date Authorized _____

Item 1. General Information (Instructions Page 99)

1. TCEQ Program Area

Program Area (PST, VCP, IHW, etc.): NA

Program ID: NA

Contact Name: NA

Phone Number: NA

2. Agent/Consultant Contact Information

Contact Name: NA

Address: NA

City, State, and Zip Code: NA

Phone Number: NA

3. Owner/Operator Contact Information

☐ Owner ☐ Operator

Owner/Operator Name: NA

Contact Name: NA

Address: NA

City, State, and Zip Code: NA

Phone Number: NA

4. Facility Contact Information

Facility Name: NA

Address: NA

City, State, and Zip Code: NA

Location description (if no address is available): NA

Facility Contact Person: NA

Phone Number: NA

5. Latitude and Longitude, in degrees-minutes-seconds

Latitude: NA

Longitude: NA

Method of determination (GPS, TOPO, etc.): NA

Attach topographic quadrangle map as attachment A.

6. Well Information

Type of Well Construction, select one:

- ☐ Vertical Injection
- ☐ Subsurface Fluid Distribution System
- ☐ Infiltration Gallery
- ☐ Temporary Injection Points
- ☐ Other, Specify: NA

Number of Injection Wells: NA

7. Purpose

Detailed Description regarding purpose of Injection System:

NA

Attach a Site Map as Attachment B (Attach the Approved Remediation Plan, if appropriate.)

8. Water Well Driller/Installer

Water Well Driller/Installer Name: NA

City, State, and Zip Code: NA

Phone Number: NA

License Number: NA

Item 2. Proposed Down Hole Design

Attach a diagram signed and sealed by a licensed engineer as Attachment C.

Down Hole Design Table

Name of String	Size	Setting Depth	Sacks Cement/Grout - Slurry Volume - Top of Center	Hole Size	Weight (lbs/ft) PVC/Steel
Casing	NA	NA	NA	NA	NA
Tubing	NA	NA	NA	NA	NA
Screen	NA	NA	NA	NA	NA

Item 3. Proposed Trench System, Subsurface Fluid Distribution System, or Infiltration Gallery

Attach a diagram signed and sealed by a licensed engineer as Attachment D.

System(s) Dimensions: NA

System(s) Construction: NA

Item 4. Site Hydrogeological and Injection Zone Data

1. Name of Contaminated Aquifer: NA

2. Receiving Formation Name of Injection Zone: NA

3. Well/Trench Total Depth: NA

4. Surface Elevation: NA

5. Depth to Ground Water: NA

6. Injection Zone Depth: NA

7. Injection Zone vertically isolated geologically? ☐ Yes ☐ No

Impervious Strata between Injection Zone and nearest Underground Source of Drinking Water:

Name: NA

Thickness: NA

8. Attach a list of contaminants and the levels (ppm) in contaminated aquifer as Attachment E.

9. Attach the Horizontal and Vertical extent of contamination and injection plume as Attachment F.

10. Attach Formation (Injection Zone) Water Chemistry (Background levels) TDS, etc., as Attachment G.

11. Injection Fluid Chemistry in PPM at point of injection. Attach as Attachment H.

12. Lowest Known Depth of Ground Water with < 10,000 PPM TDS: NA

13. Maximum injection Rate/Volume/Pressure: NA

14. Water wells within 1/4 mile radius (attach map as Attachment I): NA

15. Injection wells within 1/4 mile radius (attach map as Attachment J): NA

16. Monitor wells within 1/4 mile radius (attach drillers logs and map as Attachment K): NA

17. Sampling frequency: NA

18. Known hazardous components in injection fluid: NA

Item 5. Site History

1. Type of Facility: NA
2. Contamination Dates: NA
3. Original Contamination (VOCs, TPH, BTEX, etc.) and Concentrations. Attach as Attachment L.
4. Previous Remediation. Attach results of any previous remediation as Attachment M.

NOTE: Authorization Form should be completed in detail and authorization given by the TCEQ before construction, operation, and/or conversion can begin. Attach additional pages as necessary.

Item 6. CLASS V INJECTION WELL DESIGNATIONS

- 5A07 Heat Pump/AC return (IW used for groundwater to heat or cool buildings)
- 5A19 Industrial Cooling Water Return Flow (IW used to cool industrial process equipment)
- 5B22 Salt Water Intrusion Barrier (IW used to inject fluids to prevent the intrusion of salt water into an aquifer)
- 5D02 Stormwater Drainage (IW designed for the disposal of rain water)
- 5D04 Industrial Stormwater Drainage Wells (IW designed for the disposal of rain water associated with industrial facilities)
- 5F01 Agricultural Drainage (IW that receive agricultural runoff)
- 5R21 Aquifer Recharge (IW used to inject fluids to recharge an aquifer)
- 5S23 Subsidence Control Wells (IW used to control land subsidence caused by groundwater withdrawal)
- 5W09 Untreated Sewage
- 5W10 Large Capacity Cesspools (Cesspools that are designed for 5,000 gpd or greater)
- 5W11 Large Capacity Septic systems (Septic systems designed for 5,000 gpd or greater)
- 5W12 WTP disposal
- 5W20 Industrial Process Waste-disposal Wells
- 5W31 Septic System (Well Disposal method)
- 5W32 Septic System Drainfield Disposal
- 5X13 Mine Backfill (IW used to control subsidence, dispose of mining byproducts, or fill sections of a mine)
- 5X25 Experimental Wells (Pilot Test) (IW used to test new technologies or tracer dye studies)
- 5X26 Aquifer Remediation (IW used to clean up, treat, or prevent contamination of a USDW)
- 5X27 Other Wells
- 5X28 Motor Vehicle Waste-disposal Wells (IW used to dispose of waste from a motor vehicle site - These are currently banned)
- 5X29 Abandoned Drinking Water Wells (waste disposal)

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 10.0: QUARRIES IN THE JOHN GRAVES SCENIC RIVERWAY

This worksheet **is required** for all applications for individual permits for a municipal solid waste facility or mining facility located within a Water Quality Protection Area in the John Graves Scenic Riverway. **Note: Review 30 TAC §§ 311.71-311.82 thoroughly prior to completing any portion of this worksheet.**

Item 1. Exclusions (Instructions, Page 100)

- a. Is this a municipal solid waste facility?
☐ Yes ☐ No
- b. Has this quarry been in operation since January 1, 1994 without cessation of operation for more than 30 consecutive days and under the same ownership?
☐ Yes ☐ No
- c. Is this a coal mine?
☐ Yes ☐ No
- d. Is this facility mining clay and/or shale for use in manufacturing structural clay products?
☐ Yes ☐ No

If **yes** to **any** above question, **stop here**. The facility is required to maintain documentation, as outlined in 30 TAC § 311.72(c), at the facility to demonstrate the exclusion(s).

Item 2. Location of the Quarry (Instructions, Page 101)

Check the box next to the distance between the quarry and the nearest navigable water body:

- ☐ < 200 feet ☐ 200 feet - 1,500 feet ☐ 1,500 feet - 1 mile ☐ > 1 mile

NOTE: The construction or operation of any new quarry or expansion of any existing quarry is **prohibited** within 200 feet of any water body located within a Water Quality Protection Area in the John Graves Scenic Riverway.

Item 3. Additional Requirements (Instructions, Page 101)

Use the table in the Instructions to determine if additional application requirements apply to the facility based on distance between the quarry and the nearest waterway. Attach as appropriate or enter N/A.

- a. Attach a Restoration Plan: NA
- b. Amount of Financial Assurance for Restoration: \$ NA
Mechanism: NA
- c. Attach a Technical Demonstration: NA
- d. Attach a Reclamation Plan: NA
- e. Amount of Financial Assurance for Reclamation: \$ NA
Mechanism: NA

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 11.0: COOLING WATER SYSTEM INFORMATION

This worksheet is **required** for all TPDES permit applications **that meet the conditions outlined in Technical Report 1.0, Item 12.**

Item 1. Cooling Water System Data (Instructions, Page 104)

a. Complete the following table with information regarding the cooling water system.

Cooling Water System Data

Parameter	Volume (include units)
Total DIF	NA
Total AIF	NA
Intake Flow Use(s) (%)	NA
Contact cooling	NA
Non-contact cooling	NA
Process Wastewater	NA
Other	NA

b. Attach the following information:

1. A narrative description of the design and annual operation of the facility's cooling water system and its relationship to the CWIS(s).
2. A scaled map depicting the location of each CWIS, impoundment, intake pipe, and canals, pipes, or waterways used to convey cooling water to, or within, the cooling water system. Provide the latitude and longitude for each CWIS and any intake pipe(s) on the map. Indicate the position of the intake pipe within the water column.
3. A description of water reuse activities, if applicable, reductions in total water withdrawals, if applicable, and the proportion of the source waterbody withdrawn (on a monthly basis).
4. Design and engineering calculations prepared by a qualified professional and data to support the information provided in above item a.
5. Previous year (a minimum of 12 months) of AIF data.
6. A narrative description of existing or proposed impingement and entrainment technologies or operation measures and a summary of their performance, including, but not limited to, reductions in impingement mortality and entrainment due to intake location and reductions in total water withdrawals and usage.

Attachment: NA

Item 2. Cooling Water Intake Structure(s) Data (Instructions, Page 105)

- a. Complete the following table with information regarding each cooling water intake structure (this includes primary and make-up CWIS(s)).

Cooling Water Intake Structure(s) Data

CWIS ID	NA			
DIF (include units)	NA			
AIF (include units)	NA			
Intake Flow Use(s) (%)	NA			
Contact cooling	NA			
Non-contact cooling	NA			
Process Wastewater	NA			
Other	NA			
Latitude (decimal degrees)	NA			
Longitude (decimal degrees)	NA			

- b. Attach the following information regarding the CWIS(s):
1. A narrative description of the configuration of each CWIS, annual and daily operation, including any seasonal changes, and where it is located in the water body and in the water column.
 2. Engineering calculations for each CWIS.

Attachment: NA

Item 3. Source Water Physical Data (Instructions, Page 105)

- a. Complete the following table with information regarding the CWIS(s) source waterbody (this includes primary and make-up CWIS(s)).

Source Waterbody Data

CWIS ID	NA			
Source Waterbody	NA			
Mean Annual Flow	NA			
Source	NA			

- b. Attach the following information regarding the source waterbody.
1. A narrative description of the source water for each CWIS, including areal dimensions, depths, salinity and temperature regimes, and other documentation that supports this determination of the water body type where each cooling water intake structure is located.

2. A narrative description of the source waterbody's hydrological and geomorphological features.
3. Scaled drawings showing the physical configuration of all source water bodies used by the facility, including the source waterbody's hydrological and geomorphological features. **NOTE:** The source waterbody's hydrological and geomorphological features may be included on the map submitted for item 1.b.ii of this worksheet.
4. A description of the methods used to conduct any physical studies to determine the intake's area of influence within the waterbody and the results of such studies.

Attachment: NA

Item 4. Operational Status (Instructions, Page 106)

- a. Is this application for a power production or steam generation facility?

☐ Yes ☐ No

If **no**, proceed to Item 4.b. If **yes**, provide the following information as an attachment:

1. Describe the operating status of each individual unit, including age, capacity utilization rate (or equivalent) for the previous five years (a minimum of 60 months), and any seasonal changes in operation.
2. Describe any extended or unusual outages or other factors which significantly affect current data for flow, impingement, entrainment.
3. Identify any operating unit with a capacity utilization rate of less than 8 percent averaged over a contiguous period of two years (a minimum of 24 months).
4. Describe any major upgrades completed within the last 15 years, including but not limited to boiler replacement, condenser replacement, turbine replacement, or changes of fuel type.

Attachment: NA

- b. Process Units

1. Is this application for a facility which has process units that use cooling water (other than for power production or steam generation)?

☐ Yes ☐ No

If **no**, proceed to Item 4.c. If **yes**, continue.

2. Does the facility use or intend to use reductions in flow or changes in operations to meet the requirements of 40 CFR § 125.94(c)?

☐ Yes ☐ No

If **no**, proceed to Item 4.c. If **yes**, attach descriptions of the following information:

- Individual production processes and product lines
- The operating status, including age of each line and seasonal operation
- Any extended or unusual outages that significantly affect current data for flow, impingement, entrainment, or other factors

- Any major upgrades completed within the last 15 years and plans or schedules for decommissioning or replacement of process units or production processes and product lines.

Attachment: NA

c. Is this an application for a nuclear power production facility?

☐ Yes ☐ No

If **no**, proceed to Item 4.d. If **yes**, attach a description of completed, approved, or scheduled upgrades and the Nuclear Regulatory Commission relicensing status for each unit at the facility.

Attachment: NA

d. Is this an application for a manufacturing facility?

☐ Yes ☐ No

If **no**, proceed to Worksheet 11.1. If **yes**, attach descriptions of current and future production schedules and any plans or schedules for any new units planned within the next five years (a minimum of 60 mos)

Attachment: NA

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 11.1: IMPINGEMENT MORTALITY

This worksheet is **required** for all TPDES permit applications **that meet the conditions outlined in Technical Report 1.0, Item 12**. Complete one copy of this worksheet for **each** individual CWIS the facility uses or proposes to use.

CWIS ID: NA

Item 1. Impingement Compliance Technology Selection (Instructions, Page 107)

Check the box next to the method of compliance for the Impingement Mortality Standard selected by the facility.

- ☐ Closed-cycle recirculating system (CCRS) [40 CFR § 125.94(c)(1)]
- ☐ 0.5 ft/s Through-Screen Design Velocity [40 CFR § 125.94(c)(2)] - Proceed to Worksheet 11.2
- ☐ 0.5 ft/s Through Screen Actual Velocity [40 CFR § 125.94(c)(3)]
- ☐ Existing offshore velocity cap [40 CFR § 125.94(c)(4)] - Proceed to Worksheet 11.2
- ☐ Modified traveling screens [40 CFR § 125.94(c)(5)]
- ☐ System of technologies [40 CFR § 125.94(c)(6)]
- ☐ Impingement mortality performance standard [40 CFR § 125.94(c)(7)]
- ☐ De minimis rate of impingement [40 CFR § 125.94(c)(11)]
- ☐ Low capacity utilization power-generation facilities [40 CFR § 125.94(c)(12)]

If 0.5 ft/s Through-Screen Design Velocity [40 CFR § 125.94(c)(2)] or existing offshore velocity cap [40 CFR § 125.94(c)(4)] was selected, proceed to Worksheet 11.2. Otherwise, continue to Item 2.

Item 2. Impingement Compliance Technology Information (Instructions, Page 107)

Complete the following sections based on the selection made for item 1 above.

a. CCRS [40 CFR § 125.94(c)(1)]

- ☐ Check this box to confirm the CWS meets the definition of CCRS located at 40 CFR § 125.91(c) and provide a response to the following questions.

1. Does the facility use or propose to use a CWIS to replenish water losses to the CWS?

- ☐ Yes ☐ No

If **no**, proceed to item a.2. If **yes**, provide the following information as an attachment and continue.

- CWIS ID
- 12 months of intake flow data for any CWIS used for make-up intake flows to replenish cooling water losses, excluding intakes for losses due to blowdown, drift, or evaporation.

- A narrative description of any physical or operational measures taken to minimize make-up withdraws.

Attachment: NA

NOTE: Do not complete a separate Worksheet 11.1 for a make-up CWIS.

2. Does the facility use or propose to use cooling towers?

☐ Yes ☐ No

If **no**, proceed to Worksheet 11.2. If **yes**, provide the following information and proceed to Worksheet 11.2.

- Average number of cycles of concentration (COCs) prior to blowdown:

Average COCs Prior to Blowdown

Cooling Tower ID	NA			
COCs	NA			

- Attach COC monitoring data for each cooling tower from the previous year (a minimum of 12 months): NA
- Maximum number of COCs each cooling tower can accomplish based on design of the system.

Calculated COCs Prior to Blowdown

Cooling Tower ID	NA			
COCs	NA			

- Describe conditions that may limit the number of COCs prior to blowdown, if any, including but not limited to permit conditions: NA

b. 0.5 ft/s Through Screen Actual Velocity [40 CFR § 125.94(c)(3)]

Provide daily intake flow measurement monitoring data from the previous year (a minimum of 12 months) as an attachment and proceed to Worksheet 11.2.

Attachment: NA

c. Modified traveling screens [40 CFR § 125.94(c)(5)]

Provide the following information as an attachment and proceed to Worksheet 11.2.

1. A description of the modified traveling screens and associated equipment.
2. A site-specific impingement technology performance optimization study that includes a narrative description of the biological data collection methods
3. Biological sampling data from the previous two years (a minimum of 24 months).

Attachment: NA

d. System of technologies [40 CFR § 125.94(c)(6)] or impingement mortality performance standard [40 CFR § 125.94(c)(7)]

Provide the following information as an attachment and proceed to Worksheet 11.2.

1. A description of the system of technologies used or proposed for use by the facility to

achieve compliance with the impingement mortality standard.

2. A site-specific impingement technology performance optimization study that includes a narrative description of the biological data collection methods.
3. Biological sampling data from the previous two years (a minimum of 24 months).

Attachment: NA

- e. De minimis rate of impingement [40 CFR § 125.94(c)(11)]

Provide the following information and proceed to Worksheet 11.2.

1. Attach monitoring data from the previous year (a minimum of 12 months) of intake flow measured at a frequency of 1/day on days of operation.

Attachment: NA

2. If the rate of impingement caused by the CWIS is extremely low (at an organism or age-one equivalent count), attach supplemental information to Worksheet 11.0, item 1.b.6. to support this determination.

Attachment: NA

- f. Low capacity utilization power-generation facilities [40 CFR § 125.94(c)(12)]

Attach monthly utilization data from the previous 2 years (a minimum of 24 months) for each operating unit and proceed to Worksheet 11.2.

Attachment: NA

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 11.2: SOURCE WATER BIOLOGICAL DATA

This worksheet is **required** for all TPDES permit applications that **meet the conditions outlined in Technical Report 1.0, Item 12**. Complete one copy of this worksheet for **each** source waterbody of a CWIS for which a facility has selected an Impingement Mortality Technology Option described at *40 CFR §§ 125.94(c)(1)-(7)*.

Name of source waterbody: NA

Item 1. Species Management (Instructions, Page 109)

- a. The facility has obtained an incidental take permit for its cooling water intake structure(s) from the USFWS or the NMFS.

☐ Yes ☐ No

If yes, attach any information submitted in order to obtain that permit, which may be used to supplement the permit application information requirements of paragraph *40 CFR § 125.95(f)*.

Attachment: NA

- b. Is the facility requesting a waiver from application requirements at *40 CFR § 122.21(r)(4)* in accordance with *40 CFR § 125.95* for any CWIS(s) that withdraw from a man-made reservoir that is stocked and managed by a state or federal natural resources agency or the equivalent?

☐ Yes ☐ No

If **yes**, attach a copy of the most recent managed fisheries report to TPWD, or equivalent.

Attachment: NA

- c. There are no federally listed threatened or endangered species or critical habitat designations within the source water body.

☐ True ☐ False

Item 2. Source Water Biological Data (Instructions, Page 109)

New Facilities (Phase I, Track I and II)

- Provide responses to all items in this section and stop.

Existing Facilities (Phase II)

- If the answer to **1.b.** above was **no**, provide responses to all items in this section and proceed to Worksheet 11.3.
- If the answer to **1.b.** was **yes** and **1.c.** was **true**, do not complete any items in this section and proceed to Worksheet 11.3.
- If the answer to **1.b.** was **yes** and **1.c.** was **false**, attach a response for any item in this section that is not contained within the most recent TPWD, or equivalent and proceed to Worksheet 11.3.

Attachment: NA

- a. A list of the data requested at *40 CFR § 122.21(r)(4)(ii)* through *(vi)* that are not available, and efforts made to identify sources of the data.
- b. Provide a list of species (or relevant taxa) in the vicinity of the CWIS and identify the following information regarding each species listed.
 - all life stages and their relative abundance,
 - identification of all species and life stages that would be most susceptible to impingement and entrainment,
 - forage base,
 - significance to commercial fisheries,
 - significance to recreational fisheries,
 - primary period of reproduction,
 - larval recruitment, and
 - period of peak abundance for relevant taxa.
- c. Data representative of the seasonal and daily activities (e.g., feeding and water column migration) of biological organisms in the vicinity of the CWIS(s).
- d. Identify all threatened, endangered, and other protected species that might be susceptible to impingement and entrainment at the CWIS(s).
- e. Documentation of any public participation or consultation with federal or state agencies undertaken.

The following is required for existing facilities only. Include the following information with the above listed attachment.

- f. Identify any protective measures and stabilization activities that have been implemented and provide a description of how these measures and activities affected the baseline water condition in the vicinity of the intake.
- g. A list of fragile species, as defined at *40 CFR § 125.92(m)*, at the facility. The applicant need only identify those species not already identified as fragile at *40 CFR § 125.92(m)*.

NOTE: New units at an existing facility are not required to resubmit this information if the cooling water withdrawals for the operation of the new unit are from an existing intake.

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 11.3: ENTRAINMENT

This worksheet is **required** for all TPDES permit applications that **meet the conditions outlined in Technical Report 1.0, Item 12**. Complete one copy of this worksheet for **each** individual CWIS the facility uses or proposes to use.

CWIS ID: NA

Item 1. Applicability (Instructions, Page 111)

Is the AIF of the CWIS identified above greater than, or equal to, 125 MGD?

☐ Yes ☐ No

- If **no** or the facility has selected **CCRS** [40 CFR § 125.94(c)(1)] for the impingement mortality compliance method, complete Item 2 and stop here.
- If **yes** and the facility is **seeking a waiver** from application requirements in accordance with 40 CFR § 125.95 for any CWIS(s) that withdraw from a man-made reservoir that is stocked and managed by a state or federal natural resources agency or the equivalent, complete item 2 and stop.
- If **yes** and the facility is **not seeking a waiver** from application requirements in accordance with 40 CFR § 125.95, complete item 2 and provide any required and completed studies listed in item 3. For any required studies in item 3 that are not complete, provide a detailed explanation for the delay and an anticipated schedule for completion and submittal.

Item 2. Existing Entrainment Performance Studies (Instructions, Page 111)

Attach any previously conducted studies or studies obtained from other facilities addressing technology efficacy, through-facility entrainment survival, and other entrainment studies.

Attachment: NA

Item 3. Facility Entrainment Performance Studies (Instructions, Page 111)

- Attach an entrainment characterization study, as described at 40 CFR § 122.21(r)(9): NA
- Attach a comprehensive feasibility study, as described as 40 CFR § 122.21(r)(10): NA
- Attach a benefits valuation study, as described as 40 CFR § 122.21(r)(11): NA
- Attach a non-water quality environmental and other impacts study, as described as 40 CFR § 122.21(r)(12): NA
- Attach a peer review analysis, as described as 40 CFR § 122.21(r)(13): NA

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 12.0: OIL AND GAS EXPLORATION, DEVELOPMENT, AND PRODUCTION WASTEWATER DISCHARGES

This worksheet is **required** for all TPDES permit applications that are subject to Effluent Limitation Guidelines in 40 CFR Part 435.

Item 1. Operational Information (Instructions, Page 112)

- a. Is the wastewater from an oil and gas exploration, development, or production facility located west of the 98th meridian?

☐ Yes ☐ No

If yes, continue to the next question. If no, skip to Item 2 relating to Production/Process Data.

- b. Provide justification for how the wastewater is/will be used for agriculture or wildlife propagation.

NA

Item 2. Production/Process Data (Instructions, Page 112)

- a. Provide the applicable 40 CFR Part 435 Subpart(s).

NA

- b. Describe if the permit being sought is for discharges from exploration, development, production, or for a combination of more than one of those activities.

NA

c. Provide information on all waste-streams generated and specify which waste-streams you are requesting to be authorized for discharge.

Wastestreams Generated

Wastestream	Requesting authorization to discharge? (Yes/No)	Volume (MGD)	% of Total Flow
NA	NA	NA	NA

d. Describe how the facility will manage wastestreams for which discharge authorization is not being sought.

NA

Attachment: NA

e. Provide information on miscellaneous discharges.

NA

Attachment: NA

- f. List of chemicals that are in use, or will be used, downhole. Provide the category, concentration used/to be used, and purpose of using the chemical. Attach a safety data sheet for each chemical listed.

Chemicals List

Category	Chemical Name	Concentration (include units)	Purpose
NA	NA	NA	NA

Attachment: NA

- g. List of chemicals that are in use, or will be used, to treat the wastewater to be discharged under this authorization. Provide the concentration used/to be used and purpose of using the chemical. Attach a safety data sheet for each chemical listed.

Water Treatment Chemicals List

Category	Chemical Name	Concentration (include units)	Purpose
NA	NA	NA	NA

Attachment: NA

Item 3. Pollutant Analysis (Instructions, Page 113)

Tables 1, 2, 6, and 7 located in Worksheet 2.0 are required. In addition, Table 19 below is required and must be completed for each outfall and submitted with this application. The remaining tables in Worksheet 2.0, are required as applicable.

- a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): NA
- b. ☐ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- c. Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm. **Attachment:** NA
- d. Attach correspondence from TCEQ approving submittal of less than the required number of samples, if applicable. **Attachment:** NA

Table 19 for Outfall No.: NA

Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (mg/L)*	Sample 2 (mg/L)*	Sample 3 (mg/L)*	Sample 4 (mg/L)*
Calcium	NA	NA	NA	NA
Potassium	NA	NA	NA	NA
Sodium	NA	NA	NA	NA

*Indicate units if different from mg/L.

Technical Report 1.0
ATTACHMENT G (page 2 and 3)
SRWA Facility Map

Outfall 001
26°01'28.492"N
97°29'56.392"W

Concrete Lagoons

GST

Material Handling Area

MF Production Area

CSA

HSP

MF TRP

CSA

Material Handling Area (Chlorine)

CSA

Material Handling Area

TRP

RO Production Area

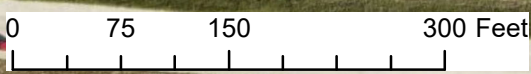
Treated Water

Raw Water

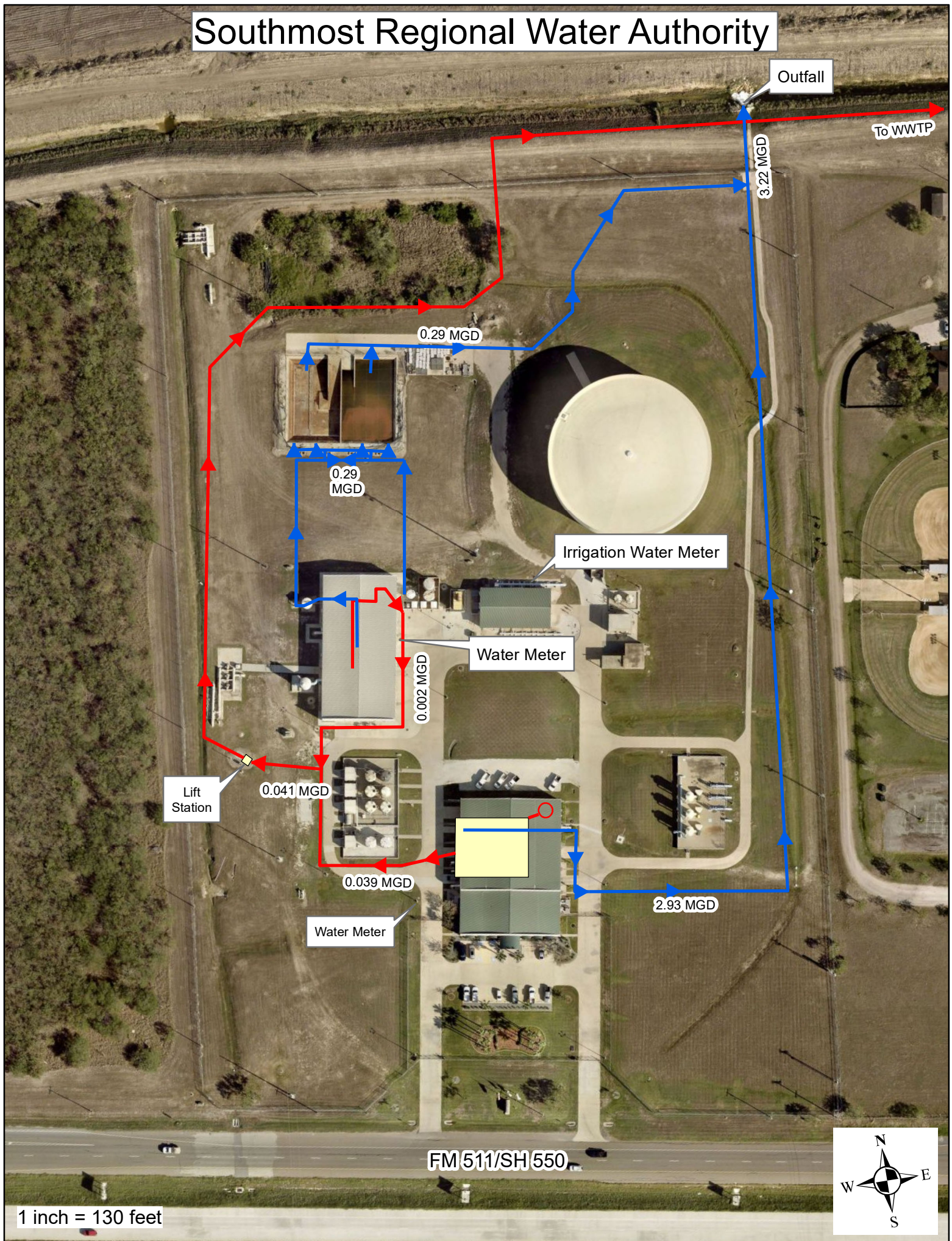
- TRP - Transfer Pump
- CSA - Chemical Storage Area
- HSP - High Service Pump
- GST - Ground Storage Tank
- MF - Microfiltration
- RO - Reverse Osmosis



FM 511/SH 550



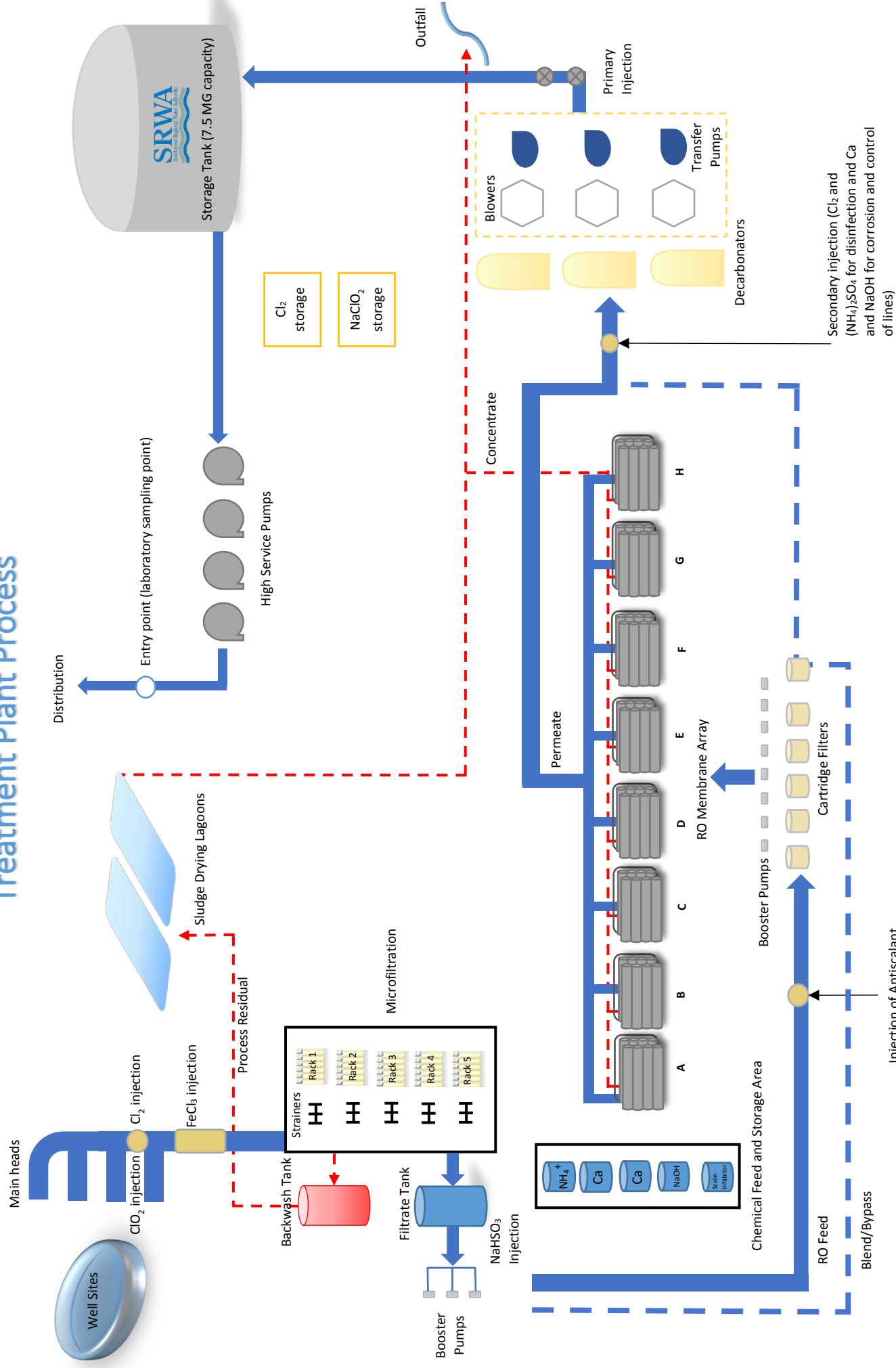
Southmost Regional Water Authority



Technical Report 1.0
ATTACHMENT H (page 4)
SRWA Flow Diagram

Southmost Regional Water Authority

Treatment Plant Process



Technical Report 2.0
ATTACHMENT I (page 20)
Analytical Lab Reports

Project
1132433

PUB6-R

Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Printed 01/30/2025
9:56

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1132433_r03_03_ProjectResults	SPL Kilgore Project P:1132433 C:PUB6 Project Results t:304 PO: P2302002	13
1132433_r10_05_ProjectQC	SPL Kilgore Project P:1132433 C:PUB6 Project Quality Control Groups	31
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Email: Kilgore.ProjectManagement@spilabs.com



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SAMPLE CROSS REFERENCE

Project

1132433

Printed

1/30/2025

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Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2372699	SRWA-Outfall 001Permit	01/14/2025	15:50:00	01/15/2025

Bottle 01 Polyethylene 1/2 gal (White)

Bottle 02 Plastic 1 liter unpreserved

Bottle 03 Client Supplied Amber Glass

Bottle 04 16 oz HNO3 Metals Plastic

Bottle 05 NaOH to pH >9 and Zinc Acetate Polyethylene 250 mL

Bottle 06 8 oz Plastic H2SO4 pH < 2

Bottle 07 250 ml unpreserved HDPE

Bottle 08 Prepared Bottle: ICP Preparation for Metals (Batch 1156415) Volume: 50.00000 mL <== Derived from 04 (50 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	1156395	01/15/2025	1156395	01/15/2025
EPA 200.7 4.4	08	1156415	01/16/2025	1156500	01/16/2025
EPA 200.8 5.4	08	1156415	01/16/2025	1156724	01/17/2025
EPA 200.7 4.4	08	1156415	01/16/2025	1156542	01/16/2025
EPA 200.8 5.4	08	1156415	01/16/2025	1156578	01/16/2025
EPA 200.7, Rev. 4.4	08	1156415	01/16/2025	1156500	01/16/2025
SM 2120 B-2011	03	1156463	01/15/2025	1156463	01/15/2025
SM 5540 C-2011	01	1156448	01/16/2025	1156448	01/16/2025
SM 4500-S2 ⁻ D-2011	05	1156939	01/20/2025	1156939	01/20/2025
SM 4500-SO3 ⁻ B-2011/EPA 377.1	01	1155426	01/16/2025	1155426	01/16/2025

Sample	Sample ID	Taken	Time	Received
2372700	SRWA Outfall 001 Permit	01/14/2025	16:00:00	01/15/2025

Email: Kilgore.ProjectManagement@spllabs.com

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SAMPLE CROSS REFERENCE

Project

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Printed

1/30/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Plastic 1 liter unpreserved
 Bottle 03 Client Supplied Amber Glass
 Bottle 04 Client Supplied Amber Glass
 Bottle 05 Client Supplied Amber Glass
 Bottle 06 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 07 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 08 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 09 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 10 16 oz HNO3 Metals Plastic
 Bottle 11 8 oz Plastic H2SO4 pH < 2
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
 Bottle 16 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 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 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 21 Cr+6 Preserved 250 Polyethylene
 Bottle 22 Glass /clean metals w/HCl
 Bottle 23 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1156282) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 24 BOD Titration Beaker A (Batch 1156321) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Analytical Beaker B (Batch 1156321) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Titration Beaker A (Batch 1156320) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Analytical Beaker B (Batch 1156320) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1156329) Volume: 20.00000 mL <== Derived from 11 (20 ml)
 Bottle 29 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1156364) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 30 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1156373) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1156456) Volume: 1.00000 mL <== Derived from 04 (1002 ml)
 Bottle 32 Prepared Bottle: ICP Preparation for Metals (Batch 1156859) Volume: 50.00000 mL <== Derived from 10 (50 ml)
 Bottle 33 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1157058) Volume: 10.00000 mL <== Derived from 03 (949 ml)
 Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157307) Volume: 1.00000 mL <== Derived from 06 (861 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1157940) Volume: 50.00000 mL <== Derived from 22 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 608.3	33	1157058	01/20/2025	1157973	01/23/2025
EPA 300.0 2.1	01	1156950	01/18/2025	1156950	01/18/2025
EPA 300.0 2.1	01	1156395	01/15/2025	1156395	01/15/2025
EPA 624.1	20	1156354	01/15/2025	1156354	01/15/2025
EPA 625.1	31	1156456	01/16/2025	1157298	01/20/2025
EPA 624.1	18	1156355	01/15/2025	1156355	01/15/2025
ASTM D7065-11	34	1157307	01/22/2025	1158344	01/28/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2372700	SRWA Outfall 001 Permit	01/14/2025	16:00:00	01/15/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Plastic 1 liter unpreserved
 Bottle 03 Client Supplied Amber Glass
 Bottle 04 Client Supplied Amber Glass
 Bottle 05 Client Supplied Amber Glass
 Bottle 06 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 07 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 08 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 09 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 10 16 oz HNO3 Metals Plastic
 Bottle 11 8 oz Plastic H2SO4 pH < 2
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
 Bottle 16 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
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 Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 21 Cr+6 Preserved 250 Polyethylene
 Bottle 22 Glass /clean metals w/HCl
 Bottle 23 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1156282) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 24 BOD Titration Beaker A (Batch 1156321) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Analytical Beaker B (Batch 1156321) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Titration Beaker A (Batch 1156320) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Analytical Beaker B (Batch 1156320) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1156329) Volume: 20.00000 mL <== Derived from 11 (20 ml)
 Bottle 29 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1156364) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 30 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1156373) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1156456) Volume: 1.00000 mL <== Derived from 04 (1002 ml)
 Bottle 32 Prepared Bottle: ICP Preparation for Metals (Batch 1156859) Volume: 50.00000 mL <== Derived from 10 (50 ml)
 Bottle 33 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1157058) Volume: 10.00000 mL <== Derived from 03 (949 ml)
 Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157307) Volume: 1.00000 mL <== Derived from 06 (861 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1157940) Volume: 50.00000 mL <== Derived from 22 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.8 5.4	32	1156859	01/20/2025	1157027	01/20/2025
EPA 200.8 5.4	32	1156859	01/20/2025	1157115	01/21/2025
EPA 245.7 2	35	1157940	01/27/2025	1157980	01/27/2025
EPA 200.7 4.4	32	1156859	01/20/2025	1156976	01/20/2025

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 Bottle 05 Client Supplied Amber Glass
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 Bottle 07 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 08 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 09 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 10 16 oz HNO3 Metals Plastic
 Bottle 11 8 oz Plastic H2SO4 pH < 2
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
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 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
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 Bottle 23 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1156282) Volume: 6.00000 mL <== Derived from 12 (6 ml)
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 Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157307) Volume: 1.00000 mL <== Derived from 06 (861 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1157940) Volume: 50.00000 mL <== Derived from 22 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 2320 B-2011	01	1157097	01/20/2025	1157097	01/20/2025
SM 5210 B-2016	01	1156320	01/21/2025	1156320	01/21/2025
SM 5210 B-2016 (TCMP Inhibitor)	01	1156321	01/21/2025	1156321	01/21/2025
SM 4500-CN ⁻ G-2016			01/20/2025		01/20/2025

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Sample	Sample ID	Taken	Time	Received
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Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Plastic 1 liter unpreserved
 Bottle 03 Client Supplied Amber Glass
 Bottle 04 Client Supplied Amber Glass
 Bottle 05 Client Supplied Amber Glass
 Bottle 06 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 07 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 08 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 09 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 10 16 oz HNO3 Metals Plastic
 Bottle 11 8 oz Plastic H2SO4 pH < 2
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
 Bottle 16 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
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 Bottle 21 Cr+6 Preserved 250 Polyethylene
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 Bottle 23 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1156282) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 24 BOD Titration Beaker A (Batch 1156321) Volume: 100.00000 mL <== Derived from 01 (100 ml)
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 Bottle 26 BOD Titration Beaker A (Batch 1156320) Volume: 100.00000 mL <== Derived from 01 (100 ml)
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 Bottle 28 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1156329) Volume: 20.00000 mL <== Derived from 11 (20 ml)
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 Bottle 30 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1156373) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1156456) Volume: 1.00000 mL <== Derived from 04 (1002 ml)
 Bottle 32 Prepared Bottle: ICP Preparation for Metals (Batch 1156859) Volume: 50.00000 mL <== Derived from 10 (50 ml)
 Bottle 33 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1157058) Volume: 10.00000 mL <== Derived from 03 (949 ml)
 Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157307) Volume: 1.00000 mL <== Derived from 06 (861 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1157940) Volume: 50.00000 mL <== Derived from 22 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN ⁻ G-2016	30	1156373	01/16/2025	1156814	01/19/2025
SM 4500-CN ⁻ E-2016	29	1156364	01/16/2025	1156810	01/17/2025
SM 5220 D-2011	12	1156934	01/20/2025	1156934	01/20/2025
SM 4500-CI G-2011		1156216	01/14/2025	1156216	01/14/2025

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 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2372700	SRWA Outfall 001 Permit	01/14/2025	16:00:00	01/15/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Plastic 1 liter unpreserved
 Bottle 03 Client Supplied Amber Glass
 Bottle 04 Client Supplied Amber Glass
 Bottle 05 Client Supplied Amber Glass
 Bottle 06 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 07 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 08 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 09 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 10 16 oz HNO3 Metals Plastic
 Bottle 11 8 oz Plastic H2SO4 pH < 2
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
 Bottle 16 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 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 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 21 Cr+6 Preserved 250 Polyethylene
 Bottle 22 Glass /clean metals w/HCl
 Bottle 23 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1156282) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 24 BOD Titration Beaker A (Batch 1156321) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Analytical Beaker B (Batch 1156321) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Titration Beaker A (Batch 1156320) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Analytical Beaker B (Batch 1156320) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1156329) Volume: 20.00000 mL <== Derived from 11 (20 ml)
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 Bottle 30 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1156373) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1156456) Volume: 1.00000 mL <== Derived from 04 (1002 ml)
 Bottle 32 Prepared Bottle: ICP Preparation for Metals (Batch 1156859) Volume: 50.00000 mL <== Derived from 10 (50 ml)
 Bottle 33 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1157058) Volume: 10.00000 mL <== Derived from 03 (949 ml)
 Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157307) Volume: 1.00000 mL <== Derived from 06 (861 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1157940) Volume: 50.00000 mL <== Derived from 22 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
Calculation			01/21/2025		01/21/2025
SM 3500-Cr B-2011	21	1156232	01/15/2025	1156232	01/15/2025
SM 3500-Cr B-2011		1156218	01/14/2025	1156218	01/14/2025
SM 4500-O G-2016		1156219	01/14/2025	1156219	01/14/2025

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Bottle 01 Polyethylene 1/2 gal (White)
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 Bottle 03 Client Supplied Amber Glass
 Bottle 04 Client Supplied Amber Glass
 Bottle 05 Client Supplied Amber Glass
 Bottle 06 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 07 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 08 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 09 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 10 16 oz HNO3 Metals Plastic
 Bottle 11 8 oz Plastic H2SO4 pH < 2
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
 Bottle 16 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
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 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 21 Cr+6 Preserved 250 Polyethylene
 Bottle 22 Glass /clean metals w/HCl
 Bottle 23 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1156282) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 24 BOD Titration Beaker A (Batch 1156321) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Analytical Beaker B (Batch 1156321) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Titration Beaker A (Batch 1156320) Volume: 100.00000 mL <== Derived from 01 (100 ml)
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 Bottle 28 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1156329) Volume: 20.00000 mL <== Derived from 11 (20 ml)
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 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1157940) Volume: 50.00000 mL <== Derived from 22 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 1664B (HEM)	07	1158421	01/29/2025	1158421	01/29/2025
EPA 350.1 2	23	1156282	01/15/2025	1156688	01/17/2025
EPA 351.2 minus EPA 350.1			01/17/2025		01/17/2025
SM 2540 C-2015	02	1157180	01/20/2025	1157180	01/20/2025

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 Bottle 11 8 oz Plastic H2SO4 pH < 2
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
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 Bottle 33 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1157058) Volume: 10.00000 mL <== Derived from 03 (949 ml)
 Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157307) Volume: 1.00000 mL <== Derived from 06 (861 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1157940) Volume: 50.00000 mL <== Derived from 22 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 351.2 2	28	1156329	01/16/2025	1156672	01/17/2025
SM 5310 C-2014			01/27/2025		01/27/2025
SM 2540 D-2015	01	1156626	01/16/2025	1156626	01/16/2025
SM 2550 B - 2010		1156222	01/14/2025	1156222	01/14/2025

Email: Kilgore.ProjectManagement@spilabs.com

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SAMPLE CROSS REFERENCE

Project

1132433

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1/30/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2372700	SRWA Outfall 001 Permit	01/14/2025	16:00:00	01/15/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Plastic 1 liter unpreserved
 Bottle 03 Client Supplied Amber Glass
 Bottle 04 Client Supplied Amber Glass
 Bottle 05 Client Supplied Amber Glass
 Bottle 06 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 07 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 08 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 09 H2SO4 to pH <2 GIQt w/Tef-lined lid
 Bottle 10 16 oz HNO3 Metals Plastic
 Bottle 11 8 oz Plastic H2SO4 pH < 2
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
 Bottle 16 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 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 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 21 Cr+6 Preserved 250 Polyethylene
 Bottle 22 Glass /clean metals w/HCl
 Bottle 23 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1156282) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 24 BOD Titration Beaker A (Batch 1156321) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Analytical Beaker B (Batch 1156321) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Titration Beaker A (Batch 1156320) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Analytical Beaker B (Batch 1156320) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1156329) Volume: 20.00000 mL <== Derived from 11 (20 ml)
 Bottle 29 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1156364) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 30 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1156373) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1156456) Volume: 1.00000 mL <== Derived from 04 (1002 ml)
 Bottle 32 Prepared Bottle: ICP Preparation for Metals (Batch 1156859) Volume: 50.00000 mL <== Derived from 10 (50 ml)
 Bottle 33 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1157058) Volume: 10.00000 mL <== Derived from 03 (949 ml)
 Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157307) Volume: 1.00000 mL <== Derived from 06 (861 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1157940) Volume: 50.00000 mL <== Derived from 22 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-H+ B-2011		1156220	01/14/2025	1156220	01/14/2025

Email: Kilgore.ProjectManagement@spllabs.com

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Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project
1132433

Printed: 01/30/2025

RESULTS

Sample Results

2372699 SRWA-Outfall 001Permit

Received: 01/15/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2302002

Taken: 01/14/2025

15:50:00

EPA 200.7 4.4 Prepared: 1156415 01/16/2025 09:30:00 Analyzed 1156500 01/16/2025 15:42:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Boron	3.52	mg/L	0.008		7440-42-8	08
NELAC	Tin, Total	0.0483	mg/L	0.005		7440-31-5	08

EPA 200.7 4.4 Prepared: 1156415 01/16/2025 09:30:00 Analyzed 1156542 01/16/2025 16:29:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Iron, Total	0.895	mg/L	0.007		7439-89-6	08

EPA 200.7 4.4 Prepared: 1156415 01/16/2025 09:30:00 Analyzed 1156542 01/16/2025 17:44:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Magnesium, Total	226	mg/L	5.00		7439-95-4	08

EPA 200.7, Rev. 4.4 Prepared: 1156415 01/16/2025 09:30:00 Analyzed 1156500 01/16/2025 15:42:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Titanium	<0.030	mg/L	0.030		7440-32-6	08

EPA 200.7, Rev. 4.4 Prepared: 1156415 01/16/2025 09:30:00 Analyzed 1156500 01/16/2025 16:11:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Strontium	13.1	mg/L	0.032		7440-24-6	08

EPA 200.8 5.4 Prepared: 1156415 01/16/2025 09:30:00 Analyzed 1156578 01/16/2025 18:07:00 ESG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Molybdenum, Total	0.195	mg/L	0.0005		7439-98-7	08

EPA 200.8 5.4 Prepared: 1156415 01/16/2025 09:30:00 Analyzed 1156724 01/17/2025 12:44:00 HLT

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cobalt, Total	0.000803	mg/L	0.0003	J	7440-48-4	08
NELAC	Manganese, Total	0.245	mg/L	0.0005		7439-96-5	08



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Public Utilities Board
R.Capistran/J Lechuga
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2372699 SRWA-Outfall 001Permit

Received: 01/15/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2302002

Taken: 01/14/2025

15:50:00

EPA 200.8 5.4 Prepared: 1156415 01/16/2025 09:30:00 Analyzed 1156724 01/17/2025 12:44:00 HLT

Parameter	Results	Units	RL	Flags	CAS	Bottle

EPA 300.0 2.1 Prepared: 1156395 01/15/2025 16:51:00 Analyzed 1156395 01/15/2025 16:51:00 KLB

Parameter	Results	Units	RL	Flags	CAS	Bottle

NELAC	Bromide	7.90	mg/L	0.400		01
NELAC	Nitrate-Nitrite Nitrogen	<0.530	mg/L	0.530		01

SM 2120 B-2011 Prepared: 1156463 01/15/2025 14:30:00 Analyzed 1156463 01/15/2025 14:30:00 PNR

Parameter	Results	Units	RL	Flags	CAS	Bottle

NELAC	Color	20	PtCo Units	5.0		03

SM 4500-S2⁻ D-2011 Prepared: 1156939 01/20/2025 06:45:00 Analyzed 1156939 01/20/2025 06:45:00 PNR

Parameter	Results	Units	RL	Flags	CAS	Bottle

NELAC	Sulfide	0.0428	mg/L	0.020		05

SM 4500-SO3⁻ B-2011/EPA 377.1 Prepared: 1155426 01/16/2025 07:30:00 Analyzed 1155426 01/16/2025 07:30:00 TRC

Parameter	Results	Units	RL	Flags	CAS	Bottle

z	Sulfite, Lab	<2.00	mg/L	2.00		01

SM 5540 C-2011 Prepared: 1156448 01/16/2025 04:50:00 Analyzed 1156448 01/16/2025 04:50:00 JMJ

Parameter	Results	Units	RL	Flags	CAS	Bottle

NELAC	MBAS (Surfactant/Foaming Agents)	<0.200	mg/L	0.200		01

2372700 SRWA Outfall 001 Permit

Received: 01/15/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

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Taken: 01/14/2025

16:00:00



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Public Utilities Board
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2372700 SRWA Outfall 001 Permit

Received: 01/15/2025

Non-Potable Water

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Taken: 01/14/2025

16:00:00

Prepared: 1156217 01/14/2025 16:05:00 Analyzed 1156217 01/14/2025 16:05:00 FG3

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

Prepared: 1156221 01/14/2025 16:04:00 Analyzed 1156221 01/14/2025 16:04:00 FG3

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

ASTM D7065-11

Prepared: 1157307 01/22/2025 13:15:00 Analyzed 1158344 01/28/2025 10:44:00 DWL

Parameter	Results	Units	RL	Flags	CAS	Bottle
Nonylphenol	<34.8	ug/L	34.8		25154-52-3	34

Calculation

Prepared: 01/21/2025 14:37:11 Calculated 01/21/2025 14:37:11 CAL

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

EPA 1664B (HEM)

Prepared: 1158421 01/29/2025 08:25:00 Analyzed 1158421 01/29/2025 08:25:00 MAX

Parameter	Results	Units	RL	Flags	CAS	Bottle
Oil and Grease (HEM)	<4.55	mg/L	4.55	A		07

EPA 200.7 4.4

Prepared: 1156859 01/20/2025 07:30:00 Analyzed 1156976 01/20/2025 12:49:00 CAS

Parameter	Results	Units	RL	Flags	CAS	Bottle
Phosphorus	0.596	mg/L	0.040		7723-14-0	32

EPA 200.8 5.4

Prepared: 1156859 01/20/2025 07:30:00 Analyzed 1157027 01/20/2025 17:40:00 ESG

Parameter	Results	Units	RL	Flags	CAS	Bottle
Antimony, Total	0.00108	mg/L	0.001		7440-36-0	32
Cadmium, Total	<0.0005	mg/L	0.0005		7440-43-9	32
Chromium, Total	0.00101	mg/L	0.001		7440-47-3	32
Copper, Total	<0.001	mg/L	0.001		7440-50-8	32
Lead, Total	<0.0005	mg/L	0.0005		7439-92-1	32



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2372700 SRWA Outfall 001 Permit

Received: 01/15/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2302002

Taken: 01/14/2025

16:00:00

EPA 200.8 5.4 Prepared: 1156859 01/20/2025 07:30:00 Analyzed 1157027 01/20/2025 17:40:00 ESG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Selenium, Total	<0.002	mg/L	0.002		7782-49-2	32
NELAC	Silver, Total	<0.0002	mg/L	0.0002		7440-22-4	32
NELAC	Thallium, Total	<0.0005	mg/L	0.0005		7440-28-0	32
NELAC	Zinc, Total	0.0118	mg/L	0.005		7440-66-6	32

EPA 200.8 5.4 Prepared: 1156859 01/20/2025 07:30:00 Analyzed 1157115 01/21/2025 12:32:00 ESG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Aluminum, Total	0.00752	mg/L	0.005		7429-90-5	32
NELAC	Arsenic, Total	0.0421	mg/L	0.001		7440-38-2	32
NELAC	Barium, Total	0.0504	mg/L	0.003		7440-39-3	32
NELAC	Beryllium, Total	<0.000162	mg/L	0.000162		7440-41-7	32
NELAC	Nickel, Total	0.00306	mg/L	0.001		7440-02-0	32

EPA 245.7 2 Prepared: 1157940 01/27/2025 14:30:00 Analyzed 1157980 01/27/2025 16:57:00 MPI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Mercury, Total (low level)	<4.26	ng/L	4.26		7439-97-6	35

EPA 300.0 2.1 Prepared: 1156395 01/15/2025 17:12:00 Analyzed 1156395 01/15/2025 17:12:00 KLB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Fluoride	2.11	mg/L	0.500			01
NELAC	Nitrate-Nitrogen Total	<0.1	mg/L	0.1		14797-55-8	01

EPA 300.0 2.1 Prepared: 1156950 01/18/2025 17:06:00 Analyzed 1156950 01/18/2025 17:06:00 KLB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Chloride	2690	mg/L	300			01
NELAC	Sulfate	4340	mg/L	300			01

EPA 350.1 2 Prepared: 1156282 01/15/2025 17:15:07 Analyzed 1156688 01/17/2025 07:51:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Ammonia Nitrogen	2.39	mg/L	0.020			23



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1132433

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2372700 SRWA Outfall 001 Permit

Received: 01/15/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2302002

Taken: 01/14/2025

16:00:00

EPA 351.2 2 Prepared: 1156329 01/16/2025 08:16:18 Analyzed 1156672 01/17/2025 07:02:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Kjeldahl Nitrogen	1.26	mg/L	0.050	Y	7727-37-9	28

EPA 351.2 minus EPA 350.1 Prepared: 01/17/2025 13:54:28 Calculated 01/17/2025 13:54:28 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Nitrogen, Total Organic (as N)	<0.050	mg/L	0.050			

EPA 608.3 Prepared: 1157058 01/20/2025 13:30:00 Analyzed 1157973 01/23/2025 02:40:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	PCB-1016	<0.200	ug/L	0.200		12674-11-2	33
NELAC	PCB-1221	<0.200	ug/L	0.200		11104-28-2	33
NELAC	PCB-1232	<0.200	ug/L	0.200		11141-16-5	33
NELAC	PCB-1242	<0.200	ug/L	0.200		53469-21-9	33
NELAC	PCB-1248	<0.200	ug/L	0.200		12672-29-6	33
NELAC	PCB-1254	<0.200	ug/L	0.200		11097-69-1	33
NELAC	PCB-1260	<0.200	ug/L	0.200		11096-82-5	33
NELAC	PCB-1262	<0.211	ug/L	0.211		37324-23-5	33
NELAC	PCB-1268	<0.211	ug/L	0.211		11100-14-4	33

EPA 624.1 Prepared: 1156354 01/15/2025 16:23:00 Analyzed 1156354 01/15/2025 16:23:00 MRI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Acrylonitrile	<2.00	ug/L	2.00		107-13-1	20

EPA 624.1 Prepared: 1156355 01/15/2025 16:45:00 Analyzed 1156355 01/15/2025 16:45:00 MRI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,1,1-Trichloroethane	<1.00	ug/L	1.00		71-55-6	18
NELAC	1,1,2,2-Tetrachloroethane	<2.00	ug/L	2.00		79-34-5	18
NELAC	1,1,2-Trichloroethane	<2.00	ug/L	2.00		79-00-5	18
NELAC	1,1-Dichloroethylene	<1.00	ug/L	1.00		75-35-4	18
NELAC	1,2-Dibromoethane (EDB)	<1.00	ug/L	1.00		106-93-4	18
NELAC	1,2-Dichloroethane	<1.00	ug/L	1.00		107-06-2	18
NELAC	1,2-Dichloropropane	<1.01	ug/L	1.01		78-87-5	18
NELAC	Benzene	<1.00	ug/L	1.00		71-43-2	18



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Project
1132433

Printed: 01/30/2025

2372700 SRWA Outfall 001 Permit

Received: 01/15/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2302002

Taken: 01/14/2025

16:00:00

EPA 624.1 Prepared: 1156355 01/15/2025 16:45:00 Analyzed 1156355 01/15/2025 16:45:00 MRI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Bromodichloromethane	<1.00	ug/L	1.00		75-27-4	18
NELAC	Bromoform	<2.00	ug/L	2.00		75-25-2	18
NELAC	Carbon Tetrachloride	<1.00	ug/L	1.00		56-23-5	18
NELAC	Chlorobenzene	<1.00	ug/L	1.00		108-90-7	18
NELAC	Chloroform	38.1	ug/L	1.00		67-66-3	18
NELAC	cis-1,3-Dichloropropene	<1.00	ug/L	1.00		10061-01-5	18
NELAC	Dibromochloromethane	<1.00	ug/L	1.00		124-48-1	18
NELAC	Dichloromethane	<2.00	ug/L	2.00		75-09-2	18
NELAC	Ethylbenzene	<1.00	ug/L	1.00		100-41-4	18
NELAC	m-Dichlorobenzene (1,3-DCB)	<1.00	ug/L	1.00		541-73-1	18
NELAC	Methyl ethyl ketone (Butanone)	<10.0	ug/L	10.0		78-93-3	18
NELAC	o-Dichlorobenzene (1,2-DCB)	<1.00	ug/L	1.00		95-50-1	18
NELAC	p-Dichlorobenzene (1,4-DCB)	<1.00	ug/L	1.00		106-46-7	18
NELAC	Tetrachloroethylene	<1.00	ug/L	1.00		127-18-4	18
NELAC	Toluene	<1.00	ug/L	1.00		108-88-3	18
NELAC	trans-1,3-Dichloropropene	<1.00	ug/L	1.00		10061-02-6	18
NELAC	Trichloroethylene	<1.00	ug/L	1.00		79-01-6	18
NELAC	Vinyl chloride	<1.04	ug/L	1.04		75-01-4	18

EPA 624.1 Prepared: 1156355 01/16/2025 14:13:26 Calculated 1156355 01/16/2025 14:13:26 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Trihalomethanes	0.0381	mg/L	0.002			18

EPA 625.1 Prepared: 1156456 01/16/2025 09:00:00 Analyzed 1157298 01/20/2025 17:44:00 PMI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,2,4,5-Tetrachlorobenzene	<0.998	ug/L	0.998		95-94-3	31
NELAC	1,2-Dichlorobenzene	<0.998	ug/L	0.998		95-50-1	31
NELAC	1,3-Dichlorobenzene	<0.998	ug/L	0.998		541-73-1	31
NELAC	1,4-Dichlorobenzene	<0.998	ug/L	0.998		106-46-7	31
NELAC	2,4,5-Trichlorophenol	<0.998	ug/L	0.998		95-95-4	31
NELAC	2,4-Dimethylphenol	<2.40	ug/L	2.40		105-67-9	31
NELAC	2-Methylphenol (o-Cresol)	<5.19	ug/L	5.19		95-48-7	31
NELAC	3&4-Methylphenol (m&p-Cresol)	<6.19	ug/L	6.19		MEPH34	31
NELAC	3,3'-Dichlorobenzidine	<4.99	ug/L	4.99		91-94-1	31



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Printed: 01/30/2025

2372700 SRWA Outfall 001 Permit

Received: 01/15/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2302002

Taken: 01/14/2025

16:00:00

EPA 625.1 Prepared: 1156456 01/16/2025 09:00:00 Analyzed 1157298 01/20/2025 17:44:00 PMI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Anthracene	<0.998	ug/L	0.998		120-12-7	31
NELAC	Benidine	<20.0	ug/L	20.0	D	92-87-5	31
NELAC	Benzo(a)anthracene	<0.998	ug/L	0.998		56-55-3	31
NELAC	Benzo(a)pyrene	<0.998	ug/L	0.998		50-32-8	31
NELAC	Bis(2-chloroethyl)ether	<0.998	ug/L	0.998		111-44-4	31
NELAC	Bis(2-ethylhexyl)phthalate	<7.49	ug/L	7.49		117-81-7	31
NELAC	Chrysene (Benzo(a)phenanthrene)	<0.998	ug/L	0.998		218-01-9	31
NELAC	Di-n-butylphthalate	<7.49	ug/L	7.49		84-74-2	31
NELAC	Hexachlorobenzene	<0.998	ug/L	0.998		118-74-1	31
NELAC	Hexachlorobutadiene	<0.998	ug/L	0.998		87-68-3	31
NELAC	Hexachlorocyclopentadiene	<8.98	ug/L	8.98		77-47-4	31
NELAC	Hexachloroethane	<0.998	ug/L	0.998		67-72-1	31
NELAC	Nitrobenzene	<0.998	ug/L	0.998		98-95-3	31
NELAC	n-Nitrosodiethylamine	<0.998	ug/L	0.998		55-18-5	31
NELAC	n-Nitroso-di-n-butylamine	<0.998	ug/L	0.998		924-16-3	31
NELAC	Pentachlorobenzene	<0.998	ug/L	0.998		608-93-5	31
NELAC	Pentachlorophenol	<0.998	ug/L	0.998		87-86-5	31
NELAC	Phenanthrene	<0.998	ug/L	0.998		85-01-8	31
NELAC	Pyridine	<5.39	ug/L	5.39		110-86-1	31

EPA 625.1 Prepared: 1156456 01/16/2025 09:00:00 Calculated 1157298 01/22/2025 15:06:51 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cresols Total	<6.19	ug/L	6.19		1319-77-3, etc.	31

SM 2320 B-2011 Prepared: 1157097 01/20/2025 08:47:00 Analyzed 1157097 01/20/2025 08:47:00 TRC

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Alkalinity (as CaCO3)	1270	mg/L	1.00			01

SM 2540 C-2015 Prepared: 1157180 01/20/2025 08:50:00 Analyzed 1157180 01/20/2025 08:50:00 JMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Dissolved Solids	12600	mg/L	100			02



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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Project
1132433

Printed: 01/30/2025

2372700 SRWA Outfall 001 Permit

Received: 01/15/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2302002

Taken: 01/14/2025

16:00:00

SM 2540 D-2015 Prepared: 1156626 01/16/2025 13:25:00 Analyzed 1156626 01/16/2025 13:25:00 ADR

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Suspended Solids	<2.00	mg/L	2.00			01

SM 2550 B - 2010 Prepared: 1156222 01/14/2025 16:02:00 Analyzed 1156222 01/14/2025 16:02:00 FG3

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Temperature (onsite)	32	Degrees C	1			

SM 3500-Cr B-2011 Prepared: 1156218 01/14/2025 16:02:00 Analyzed 1156218 01/14/2025 16:02:00 FG3

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Hex Cr, Field Preservation	PRESERVED	ug/L	3		18540-29-9	

SM 3500-Cr B-2011 Prepared: 1156232 01/15/2025 13:05:00 Analyzed 1156232 01/15/2025 13:05:00 ALB

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Hexavalent Chromium	<3.00	ug/L	3.00		18540-29-9	21

SM 4500-Cl G-2011 Prepared: 1156216 01/14/2025 16:05:00 Analyzed 1156216 01/14/2025 16:05:00 FG3

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

SM 4500-CN⁻ E-2016 Prepared: 1156364 01/16/2025 09:34:25 Analyzed 1156810 01/17/2025 12:24:00 AMB

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Cyanide, total	<0.005	mg/L	0.005			29

SM 4500-CN⁻ G-2016 Prepared: 01/20/2025 08:43:09 Calculated 01/20/2025 08:43:09 CAL

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

SM 4500-CN⁻ G-2016 Prepared: 1156373 01/16/2025 09:51:24 Analyzed 1156814 01/19/2025 10:46:00 AMB

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Cyanide After Chlorination	<0.005	mg/L	0.005			30



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Public Utilities Board
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Printed: 01/30/2025

2372700 SRWA Outfall 001 Permit

Received: 01/15/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2302002

Taken: 01/14/2025

16:00:00

SM 4500-CN⁻ G-2016 Prepared: 1156373 01/16/2025 09:51:24 Analyzed 1156814 01/19/2025 10:46:00 AMB

Parameter	Results	Units	RL	Flags	CAS	Bottle

SM 4500-H+ B-2011 Prepared: 1156220 01/14/2025 16:03:00 Analyzed 1156220 01/14/2025 16:03:00 FG3

Parameter	Results	Units	RL	Flags	CAS	Bottle

NELAC

pH (Onsite)

7.6

SU

SM 4500-O G-2016 Prepared: 1156219 01/14/2025 16:02:00 Analyzed 1156219 01/14/2025 16:02:00 FG3

Parameter	Results	Units	RL	Flags	CAS	Bottle

NELAC

Dissolved Oxygen Onsite

5.0

mg/L

1.0

SM 5210 B-2016 Prepared: 1156320 01/16/2025 Analyzed 1156320 01/21/2025 13:10:20 ESN

Parameter	Results	Units	RL	Flags	CAS	Bottle

NELAC

Biochemical Oxygen Demand (BOD5)

6.77

mg/L

2.00

1026-3

01

SM 5210 B-2016 (TCMP Inhibitor) Prepared: 1156321 01/16/2025 Analyzed 1156321 01/21/2025 12:20:21 ESN

Parameter	Results	Units	RL	Flags	CAS	Bottle

NELAC

BOD Carbonaceous

5.64

mg/L

2.00

01

SM 5220 D-2011 Prepared: 1156934 01/20/2025 10:00:00 Analyzed 1156934 01/20/2025 10:00:00 PNR

Parameter	Results	Units	RL	Flags	CAS	Bottle

NELAC

Chemical Oxygen Demand

22.4

mg/L

22.0

12

SM 5310 C-2014 Prepared: 01/27/2025 12:28:00 Analyzed 01/27/2025 12:28:00 SUB

Parameter	Results	Units	RL	Flags	CAS	Bottle

NELAC

TOC SUB

See Attached

DHL1

Sample Preparation



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Public Utilities Board
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2372699 SRWA-Outfall 001Permit

Received: 01/15/2025

P2302002

01/14/2025

EPA 200.2 2.8 Prepared: 1156415 01/16/2025 09:30:00 Analyzed 1156415 01/16/2025 09:30:00 HLT

z Liquid Metals Digestion 50/50 ml 04

2372700 SRWA Outfall 001 Permit

Received: 01/15/2025

P2302002

01/14/2025

Prepared: 01/15/2025 15:01:38 Calculated 01/15/2025 15:01:38 CAL

z Labor - 1 Hour Verified

Prepared: 01/30/2025 09:39:00 Analyzed 01/30/2025 09:39:00 WJP

z Check Limits Completed

ASTM D7065-17 Prepared: 1157307 01/22/2025 13:15:00 Analyzed 1158344 01/28/2025 10:44:00 DWL

z Nonyl Phenol Expansion Entered 34

EPA 1664B (HEM) Prepared: 1158269 01/29/2025 08:25:00 Analyzed 1158269 01/29/2025 08:25:00 MAX

NELAC O&G HEM Started Started

EPA 200.2 2.8 Prepared: 1156859 01/20/2025 07:30:00 Analyzed 1156859 01/20/2025 07:30:00 HLT

z Liquid Metals Digestion 50/50 ml 10



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2372700 SRWA Outfall 001 Permit

Received: 01/15/2025

P2302002

01/14/2025

EPA 245.7 2		Prepared: 1157940	01/27/2025	14:30:00	Analyzed 1157940	01/27/2025	14:30:00	MP1
NELAC	Low Level Mercury Liquid Metals	50/47		ml				22
EPA 350.1, Rev. 2.0		Prepared: 1156282	01/15/2025	17:15:07	Analyzed 1156282	01/15/2025	17:15:07	JR1
NELAC	Ammonia Distillation	6/6		ml				12
EPA 351.2, Rev 2.0		Prepared: 1156329	01/16/2025	08:16:18	Analyzed 1156329	01/16/2025	08:16:18	MEG
NELAC	TKN Block Digestion	20/20		ml				11
EPA 608.3		Prepared: 1157058	01/20/2025	13:30:00	Analyzed 1157058	01/20/2025	13:30:00	CRS
	PCB Liq-Liq Extr. W/Hex Exch.	10/949		ml				03
EPA 608.3		Prepared: 1157058	01/20/2025	13:30:00	Analyzed 1157973	01/23/2025	02:40:00	KAP
NELAC	Polychlorinated Biphenyls	Entered						33
EPA 624.1		Prepared: 1156354	01/15/2025	16:23:00	Analyzed 1156354	01/15/2025	16:23:00	MR1
NELAC	Acrylonitrile Exp.	Entered						20
EPA 624.1		Prepared: 1156355	01/15/2025	16:45:00	Analyzed 1156355	01/15/2025	16:45:00	MR1
z	BND Table 3.0 VOC Expansion	Entered						18
EPA 625.1		Prepared: 1156456	01/16/2025	09:00:00	Analyzed 1156456	01/16/2025	09:00:00	MCC
	Liquid-Liquid Extraction, BNA	1/1002		ml				04



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2372700 SRWA Outfall 001 Permit

Received: 01/15/2025

P2302002

01/14/2025

EPA 625.1		Prepared: 1156456	01/16/2025	09:00:00	Analyzed 1157298	01/20/2025	17:44:00	PMI
NELAC	TEEX SVOC	Entered						31
EPA 625.1		Prepared: 1157307	01/22/2025	13:15:00	Analyzed 1157307	01/22/2025	13:15:00	CRS
Nonylphenol Liq-Liq Extract		1/861	ml		A			06
SM 2540 C-2015		Prepared: 1156857	01/20/2025	08:50:00	Analyzed 1156857	01/20/2025	08:50:00	JMB
NELAC	Total Dissolved Solids Started	Started						
SM 2540 D-2011		Prepared: 1155378	01/16/2025	13:25:00	Analyzed 1155378	01/16/2025	13:25:00	ADR
NELAC	TSS Set Started	Started						
SM 4500-CN ⁻ C-2016		Prepared: 1156364	01/16/2025	09:34:25	Analyzed 1156364	01/16/2025	09:34:25	MEG
NELAC	Cyanide Distillation	10/5	ml					14
SM 4500-CN ⁻ C-2016		Prepared: 1156373	01/16/2025	09:51:24	Analyzed 1156373	01/16/2025	09:51:24	MEG
NELAC	CN Dist After Chlorination	10/5	ml					14
SM 5210 B-2016		Prepared: 1156320	01/16/2025		Analyzed 1156320	01/16/2025	06:49:03	ESN
NELAC	BOD Set Started	Started						
SM 5210 B-2016 (TCMP Inhibitor)		Prepared: 1156321	01/16/2025		Analyzed 1156321	01/16/2025	06:49:03	ESN
NELAC	BODc Set Started	Started						



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Public Utilities Board
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Printed: 01/30/2025

Qualifiers:

J - Analyte detected below quantitation limit
A - Lab pH adjusted per method prior to analysis
D - Duplicate RPD was higher than expected
Y - Possible matrix interference

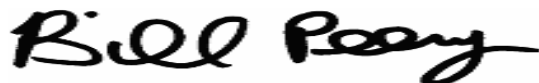
We report results on an As Received (or Wet) basis unless marked Dry Weight.

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, MS, VP Technical Services



QUALITY CONTROL



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Public Utilities Board
R. Capistran/J Lechuga
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Brownsville, TX 78520-

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Printed 01/30/2025

Analytical Set **1156320**

SM 5210 B-2016

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1156320	0.2	0.200	0.500	mg/L	127215441
Biochemical Oxygen Demand (BOD5)	1156320	0.3	0.200	0.500	mg/L	127215497
Biochemical Oxygen Demand (BOD5)	1156320	0.2	0.200	0.500	mg/L	127215551

Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Biochemical Oxygen Demand (BOD5)	2372511	12.6	18.6	mg/L	38.5	30.0
Biochemical Oxygen Demand (BOD5)	2372653	22.0	26.8	mg/L	19.7	30.0
Biochemical Oxygen Demand (BOD5)	2372728	2.77	2.97	mg/L	6.97	30.0
Biochemical Oxygen Demand (BOD5)	2372775	10.5	9.93	mg/L	5.58	30.0
Biochemical Oxygen Demand (BOD5)	2372815	9.72	9.12	mg/L	6.37	30.0
Biochemical Oxygen Demand (BOD5)	2372906	9.66	9.84	mg/L	1.85	30.0

Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1156320	0.467	0.200	0.500	mg/L	127215443
Biochemical Oxygen Demand (BOD5)	1156320	0.407	0.200	0.500	mg/L	127215499
Biochemical Oxygen Demand (BOD5)	1156320	0.450	0.200	0.500	mg/L	127215553

Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)		226	198	mg/L	114	83.7 - 116	127215444
Biochemical Oxygen Demand (BOD5)		224	198	mg/L	113	83.7 - 116	127215500
Biochemical Oxygen Demand (BOD5)		223	198	mg/L	113	83.7 - 116	127215554

Analytical Set **1156321**

SM 5210 B-2016 (TCMP Inhibitor)

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
BOD Carbonaceous	1156321	0.2	0.200	0.500	mg/L	127215591
BOD Carbonaceous	1156321	0.2	0.200	0.500	mg/L	127215651

Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
BOD Carbonaceous	2372530	78.3	81.9	mg/L	4.49	30.0
BOD Carbonaceous	2372743	ND	ND	mg/L		30.0
BOD Carbonaceous	2372894	4.52	3.84	mg/L	16.3	30.0
BOD Carbonaceous	2373399	65.7	63.0	mg/L	4.20	30.0

Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
BOD Carbonaceous	1156321	0.410	0.200	0.500	mg/L	127215593
BOD Carbonaceous	1156321	0.430	0.200	0.500	mg/L	127215653

Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>

Email: Kilgore.ProjectManagement@spllabs.com



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PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project
1132433

Printed 01/30/2025

Standard							
Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
BOD Carbonaceous		216	198	mg/L	109	83.7 - 116	127215594
BOD Carbonaceous		201	198	mg/L	102	83.7 - 116	127215654

Analytical Set **1156672** EPA 351.2 2

Blank							
Parameter	PrepSet	Reading	MDL	MQL	Units		File
Total Kjeldahl Nitrogen	1156329	ND	0.00712	0.050	mg/L		127224634

CCV							
Parameter		Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen		5.24	5.00	mg/L	105	90.0 - 110	127224620
Total Kjeldahl Nitrogen		5.27	5.00	mg/L	105	90.0 - 110	127224621
Total Kjeldahl Nitrogen		5.35	5.00	mg/L	107	90.0 - 110	127224622
Total Kjeldahl Nitrogen		5.32	5.00	mg/L	106	90.0 - 110	127224623
Total Kjeldahl Nitrogen		5.34	5.00	mg/L	107	90.0 - 110	127224632
Total Kjeldahl Nitrogen		5.33	5.00	mg/L	107	90.0 - 110	127224643
Total Kjeldahl Nitrogen		5.35	5.00	mg/L	107	90.0 - 110	127224654
Total Kjeldahl Nitrogen		5.37	5.00	mg/L	107	90.0 - 110	127224660
Total Kjeldahl Nitrogen		5.36	5.00	mg/L	107	90.0 - 110	127224661
Total Kjeldahl Nitrogen		5.36	5.00	mg/L	107	90.0 - 110	127224663

Duplicate							
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%	
Total Kjeldahl Nitrogen	2372007	ND	ND	mg/L		20.0	
Total Kjeldahl Nitrogen	2372015	1.45	1.13	mg/L	24.8 *	20.0	

ICV							
Parameter		Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen		5.37	5.00	mg/L	107	90.0 - 110	127224619

LCS Dup										
Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Total Kjeldahl Nitrogen	1156329	5.11	5.00	5.00	90.0 - 110	102	100	mg/L	2.18	20.0

Mat. Spike										
Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File		
Total Kjeldahl Nitrogen	2372007	0.023	ND	5.00	mg/L	0	80.0 - 120	127224639	*	
Total Kjeldahl Nitrogen	2372015	5.63	1.13	5.00	mg/L	90.0	80.0 - 120	127224642		

Analytical Set **1156688** EPA 350.1 2

Blank							
Parameter	PrepSet	Reading	MDL	MQL	Units		File
Ammonia Nitrogen	1156282	ND	0.00336	0.020	mg/L		127224903

CCV							
Parameter		Reading	Known	Units	Recover%	Limits%	File
Ammonia Nitrogen		2.12	2.00	mg/L	106	90.0 - 110	127224902

Email: Kilgore.ProjectManagement@spllabs.com



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R. Capistran/J Lechuga
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Brownsville, TX 78520-

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Ammonia Nitrogen	2.12	2.00	mg/L	106	90.0 - 110	127224905
Ammonia Nitrogen	2.15	2.00	mg/L	108	90.0 - 110	127224914
Ammonia Nitrogen	2.10	2.00	mg/L	105	90.0 - 110	127224922
Ammonia Nitrogen	2.09	2.00	mg/L	104	90.0 - 110	127224931
Ammonia Nitrogen	2.04	2.00	mg/L	102	90.0 - 110	127224938
Ammonia Nitrogen	2.02	2.00	mg/L	101	90.0 - 110	127224945
Ammonia Nitrogen	2.11	2.00	mg/L	106	90.0 - 110	127224953
Ammonia Nitrogen	2.05	2.00	mg/L	102	90.0 - 110	127224956

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Ammonia Nitrogen	2372709	0.071	0.084	mg/L	16.8	20.0
Ammonia Nitrogen	2372743	0.123	0.123	mg/L	0	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Ammonia Nitrogen	2.15	2.00	mg/L	108	90.0 - 110	127224901

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Ammonia Nitrogen	1156282	2.19	2.15	2.00	90.0 - 110	110	108	mg/L	1.84	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Ammonia Nitrogen	2372709	2.17	0.084	2.00	mg/L	104	80.0 - 120	127224909
Ammonia Nitrogen	2372743	2.30	0.123	2.00	mg/L	109	80.0 - 120	127224912

Analytical Set

1156810

SM 4500-CN⁻ E-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide, total	1156364	ND	0.00238	0.005	mg/L	127227069

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.509	0.500	mg/L	102	90.0 - 110	127227068
Cyanide, total	0.509	0.500	mg/L	102	90.0 - 110	127227078
Cyanide, total	0.516	0.500	mg/L	103	90.0 - 110	127227088
Cyanide, total	0.510	0.500	mg/L	102	90.0 - 110	127227097

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide, total	2372620	ND	ND	mg/L		20.0
Cyanide, total	2372626	ND	ND	mg/L		20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.204	0.200	mg/L	102	90.0 - 110	127227067

Email: Kilgore.ProjectManagement@spllabs.com



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R. Capistran/J Lechuga
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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide, total	1156364	0.387	0.382	0.400	90.0 - 110	96.8	95.5	mg/L	1.30	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Cyanide, total	2372620	0.391	ND	0.400	mg/L	97.8	90.0 - 110	127227074
Cyanide, total	2372626	0.379	ND	0.400	mg/L	94.8	90.0 - 110	127227077

Analytical Set 1156814

SM 4500-CN⁻ G-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide After Chlorination	1156373	ND	0.00119	0.0025	mg/L	127227255

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.502	0.500	mg/L	100	90.0 - 110	127227253
Cyanide After Chlorination	0.503	0.500	mg/L	101	90.0 - 110	127227254
Cyanide After Chlorination	0.507	0.500	mg/L	101	90.0 - 110	127227259
Cyanide After Chlorination	0.508	0.500	mg/L	102	90.0 - 110	127227270
Cyanide After Chlorination	0.509	0.500	mg/L	102	90.0 - 110	127227281
Cyanide After Chlorination	0.509	0.500	mg/L	102	90.0 - 110	127227285
Cyanide After Chlorination	0.513	0.500	mg/L	103	90.0 - 110	127227296
Cyanide After Chlorination	0.512	0.500	mg/L	102	90.0 - 110	127227306
Cyanide After Chlorination	0.512	0.500	mg/L	102	90.0 - 110	127227307
Cyanide After Chlorination	0.510	0.500	mg/L	102	90.0 - 110	127227308
Cyanide After Chlorination	0.509	0.500	mg/L	102	90.0 - 110	127227309

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide After Chlorination	2372620	ND	ND	mg/L		20.0
Cyanide After Chlorination	2372626	ND	ND	mg/L		20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.205	0.200	mg/L	102	90.0 - 110	127227252

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide After Chlorination	1156373	0.200	0.201	0.200	90.0 - 110	100	100	mg/L	0.499	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Cyanide After Chlorination	2372620	0.400	ND	0.400	mg/L	100	90.0 - 110	127227261
Cyanide After Chlorination	2372626	0.395	ND	0.400	mg/L	98.8	90.0 - 110	127227264

Analytical Set 1156216

SM 4500-CI G-2011

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%

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QUALITY CONTROL



SPL
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PUB6-R

Public Utilities Board
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Brownsville, TX 78520-

Project
1132433

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Duplicate						
<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Cl2 Res.,Total(Onsite)Spec Mid	2372700	ND	ND	mg/L		20

Standard						
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>
Cl2 Res.,Total(Onsite)Spec Mid	1156216	0.210	0.220	mg/L	95.5	90 - 110
Cl2 Res.,Total(Onsite)Spec Mid	1156216	0.940	0.930	mg/L	101.1	90 - 110
Cl2 Res.,Total(Onsite)Spec Mid	1156216	1.53	1.58	mg/L	96.8	90 - 110

Analytical Set 1156217

Duplicate						
<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Field Cl2 Check for CNa	2372700	Negative	NEG			20

Analytical Set 1156219

SM 4500-O G-2016

Duplicate						
<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Dissolved Oxygen Onsite	2372700	5.0	5.0	mg/L		20

Analytical Set 1156220

SM 4500-H+ B-2011

CCV						
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>
pH (Onsite)		6.1	6.0	SU	101.7	90 - 110
pH (Onsite)		6.1	6.0	SU	101.7	90 - 110

Duplicate						
<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
pH (Onsite)	2372700	7.6	7.6	SU		20

Standard						
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>
pH (Onsite)	1156220	8.1	8.0	SU	101.3	90 - 110
pH (Onsite)	1156220	8.0	8.0	SU	100	90 - 110

Analytical Set 1156221

Duplicate						
<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Field Sulfide Check for CNa	2372700	Negative	NEG	mg/L		20

Analytical Set 1156222

SM 2550 B - 2010

Duplicate						
<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Temperature (onsite)	2372700	32	32	Degrees C		20

Analytical Set 1156626

SM 2540 D-2015

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Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1156626	ND	2	2	mg/L	127223777

ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Suspended Solids	1156626	-0.0001			grams	127223776

Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Suspended Solids	2372673	4220	5140	mg/L	19.7	20.0
Total Suspended Solids	2372675	1010	1020	mg/L	0.985	20.0
Total Suspended Solids	2372683	164	140	mg/L	15.8	20.0

LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Suspended Solids	1156626	49.0	50.0	mg/L	98.0	90.0 - 110	127223810

Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids		98.0	100	mg/L	98.0	90.0 - 110	127223809

Analytical Set **1157180**

SM 2540 C-2015

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Dissolved Solids	1157180	ND	5.00	5.00	mg/L	127237254

ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Dissolved Solids	1157180	-0.0001			grams	127237241

Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Dissolved Solids	2372312	610	550	mg/L	10.3	20.0

LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Dissolved Solids	1157180	196	200	mg/L	98.0	85.0 - 115	127237255

Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Dissolved Solids		98.0	100	mg/L	98.0	90.0 - 110	127237242

Analytical Set **1158421**

EPA 1664B (HEM)

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Oil and Grease (HEM)	1158421	1.40	0.804	4.00	mg/L	127262255

ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>

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PUB6-R

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ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Oil and Grease (HEM)	1158421	0.0003			grams	127262254
Oil and Grease (HEM)	1158421	0.0002			grams	127262279

LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Oil and Grease (HEM)	1158421	34.6	40.0	mg/L	86.5	78.0 - 114	127262256

MS

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Oil and Grease (HEM)	2372700	37.9	0	1.70	40.0	78.0 - 114	94.8		mg/L		20.0

Analytical Set

1156395

EPA 300.0 2.1

AWRL/LOQ C

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Fluoride	0.0903	0.100	mg/L	90.3	70.0 - 130	127217646
Nitrate-Nitrite Nitrogen	0.0638	0.053	mg/L	120	70.0 - 130	127217646
Nitrate-Nitrogen Total	0.0276	0.0226	mg/L	122	70.0 - 130	127217646

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Bromide	1156395	ND	0.0235	0.100	mg/L	127217647
Fluoride	1156395	ND	0.00509	0.100	mg/L	127217647
Nitrate-Nitrite Nitrogen	1156395	ND	0.00765	0.053	mg/L	127217647
Nitrate-Nitrogen Total	1156395	ND	0.00464	0.0226	mg/L	127217647

CCB

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Bromide	1156395	0.0369	0.0235	0.100	mg/L	127217643
Bromide	1156395	0.0411	0.0235	0.100	mg/L	127217663
Bromide	1156395	0.0403	0.0235	0.100	mg/L	127217675
Fluoride	1156395	0	0.00509	0.100	mg/L	127217643
Fluoride	1156395	0	0.00509	0.100	mg/L	127217663
Fluoride	1156395	0	0.00509	0.100	mg/L	127217675
Nitrate-Nitrogen Total	1156395	0	0.00464	0.0226	mg/L	127217643
Nitrate-Nitrogen Total	1156395	0	0.00464	0.0226	mg/L	127217663
Nitrate-Nitrogen Total	1156395	0	0.00464	0.0226	mg/L	127217675

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Bromide	10.8	10.0	mg/L	108	90.0 - 110	127217642
Bromide	10.9	10.0	mg/L	109	90.0 - 110	127217662
Bromide	10.8	10.0	mg/L	108	90.0 - 110	127217674
Fluoride	10.8	10.0	mg/L	108	90.0 - 110	127217642
Fluoride	11.0	10.0	mg/L	110	90.0 - 110	127217662
Fluoride	10.9	10.0	mg/L	109	90.0 - 110	127217674
Nitrate-Nitrite Nitrogen	5.49	5.30	mg/L	104	90.0 - 110	127217642

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PUB6-R

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Nitrate-Nitrite Nitrogen	5.50	5.30	mg/L	104	90.0 - 110	127217662
Nitrate-Nitrite Nitrogen	5.52	5.30	mg/L	104	90.0 - 110	127217674
Nitrate-Nitrogen Total	2.31	2.26	mg/L	102	90.0 - 110	127217642
Nitrate-Nitrogen Total	2.34	2.26	mg/L	104	90.0 - 110	127217662
Nitrate-Nitrogen Total	2.33	2.26	mg/L	103	90.0 - 110	127217674

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Bromide	1156395	5.66	5.72	5.00	88.3 - 119	113	114	mg/L	1.05	20.0
Fluoride	1156395	5.70	5.73	5.00	88.0 - 118	114	115	mg/L	0.525	20.0
Nitrate-Nitrite Nitrogen	1156395	2.99	2.98	2.65	88.0 - 117	113	112	mg/L	0.335	20.0
Nitrate-Nitrogen Total	1156395	1.29	1.29	1.13	86.3 - 117	114	114	mg/L	0	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Bromide	2371664	227	230	11.9	200	80.0 - 120	108	109	mg/L	1.39	20.0
Fluoride	2371664	185	231	ND	200	80.0 - 120	92.5	116	mg/L	22.1 *	20.0
Nitrate-Nitrite Nitrogen	2371664	116	115	ND	106	80.0 - 120	109	108	mg/L	0.866	20.0
Nitrate-Nitrogen Total	2371664	50.6	50.8	ND	45.2	80.0 - 120	112	112	mg/L	0.394	20.0
Bromide	2371676	6.31	6.29	8.79	100	80.0 - 120	-2.48 *	-2.50 *	mg/L	0.317	20.0
Fluoride	2371676	87.4	88.4	1.44	100	80.0 - 120	86.0	87.0	mg/L	1.16	20.0
Nitrate-Nitrite Nitrogen	2371676	58.5	58.8	ND	53.0	80.0 - 120	110	111	mg/L	0.512	20.0
Nitrate-Nitrogen Total	2371676	26.0	25.8	ND	22.6	80.0 - 120	115	114	mg/L	0.772	20.0

Analytical Set

1156950

EPA 300.0 2.1

Blank

Parameter	PrepSet	Reading	MDL	MDL	Units	File
Chloride	1156950	0.0325	0.0298	0.300	mg/L	127232122
Sulfate	1156950	ND	0.160	0.300	mg/L	127232122

CCB

Parameter	PrepSet	Reading	MDL	MDL	Units	File
Chloride	1156950	0	0.0298	0.300	mg/L	127232118
Chloride	1156950	0	0.0298	0.300	mg/L	127232138
Chloride	1156950	0	0.0298	0.300	mg/L	127232150
Sulfate	1156950	0	0.160	0.300	mg/L	127232118
Sulfate	1156950	0	0.160	0.300	mg/L	127232138
Sulfate	1156950	0	0.160	0.300	mg/L	127232150

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chloride	10.5	10.0	mg/L	105	90.0 - 110	127232117
Chloride	10.5	10.0	mg/L	105	90.0 - 110	127232137
Chloride	10.5	10.0	mg/L	105	90.0 - 110	127232149
Sulfate	9.92	10.0	mg/L	99.2	90.0 - 110	127232117
Sulfate	9.87	10.0	mg/L	98.7	90.0 - 110	127232137

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PUB6-R

Public Utilities Board
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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Sulfate	9.89	10.0	mg/L	98.9	90.0 - 110	127232149

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chloride	1156950	5.19	5.19	5.00	85.0 - 115	104	104	mg/L	0	20.0
Sulfate	1156950	5.49	5.50	5.00	85.4 - 124	110	110	mg/L	0.182	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Chloride	2373600	110	110	104	10.0	80.0 - 120	60.0 *	60.0 *	mg/L	0	20.0
Chloride	2373602	20.9	22.8	11.6	10.0	80.0 - 120	93.0	112	mg/L	18.5	20.0
Sulfate	2373602	21.5	21.7	9.43	10.0	80.0 - 120	121 *	123 *	mg/L	1.64	20.0

Analytical Set 1156232

SM 3500-Cr B-2011

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Hexavalent Chromium	1156232	ND	0.550	3.00	ug/L	127214087
Hexavalent Chromium	1156232	ND	0.550	3.00	ug/L	127214096
Hexavalent Chromium	1156232	ND	0.550	3.00	ug/L	127214108

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Hexavalent Chromium	84.4	80.0	ug/L	106	90.0 - 110	127214088
Hexavalent Chromium	84.2	80.0	ug/L	105	90.0 - 110	127214097
Hexavalent Chromium	83.7	80.0	ug/L	105	90.0 - 110	127214109

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Hexavalent Chromium	1156232	85.4	83.4	80.0	85.0 - 115	107	104	ug/L	2.37	15.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Hexavalent Chromium	2371995	54.5	61.8	5.09	80.0	70.0 - 130	61.8 *	70.9	ug/L	13.8	20.0
Hexavalent Chromium	2372502	39.5	40.0	ND	80.0	70.0 - 130	49.4 *	50.0 *	ug/L	1.26	20.0

Analytical Set 1156500

EPA 200.7 4.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Boron	1156415	ND	0.00103	0.008	mg/L	127219745
Strontium	1156415	ND	0.00017	0.0016	mg/L	127219745
Tin, Total	1156415	ND	0.00288	0.010	mg/L	127219745
Titanium	1156415	ND	0.0284	0.040	mg/L	127219745

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Boron	1.05	1.00	mg/L	105	90.0 - 110	127219743
Boron	1.04	1.00	mg/L	104	90.0 - 110	127219744

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Boron	1.04	1.00	mg/L	104	90.0 - 110	127219754
Boron	1.05	1.00	mg/L	105	90.0 - 110	127219757
Strontium	0.215	0.200	mg/L	108	90.0 - 110	127219743
Strontium	0.212	0.200	mg/L	106	90.0 - 110	127219744
Strontium	0.211	0.200	mg/L	106	90.0 - 110	127219754
Strontium	0.211	0.200	mg/L	106	90.0 - 110	127219757
Tin, Total	0.256	0.250	mg/L	102	90.0 - 110	127219743
Tin, Total	0.262	0.250	mg/L	105	90.0 - 110	127219744
Tin, Total	0.261	0.250	mg/L	104	90.0 - 110	127219754
Tin, Total	0.264	0.250	mg/L	106	90.0 - 110	127219757
Titanium	1.06	1.00	mg/L	106	90.0 - 110	127219743
Titanium	1.05	1.00	mg/L	105	90.0 - 110	127219744
Titanium	1.05	1.00	mg/L	105	90.0 - 110	127219754
Titanium	1.06	1.00	mg/L	106	90.0 - 110	127219757

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Boron	10.2	10.0	mg/L	102	95.0 - 105	127219741
Strontium	0.999	1.00	mg/L	99.9	95.0 - 105	127219741
Tin, Total	0.988	1.00	mg/L	98.8	95.0 - 105	127219741
Titanium	9.98	10.0	mg/L	99.8	95.0 - 105	127219741

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Boron	1.00	1.00	mg/L	100	90.0 - 110	127219742
Strontium	0.204	0.200	mg/L	102	90.0 - 110	127219742
Tin, Total	0.243	0.250	mg/L	97.2	90.0 - 110	127219742
Titanium	1.00	1.00	mg/L	100	90.0 - 110	127219742

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Boron	1156415	0.965	0.973	1.00	85.0 - 115	96.5	97.3	mg/L	0.826	25.0
Strontium	1156415	0.473	0.483	0.500	85.0 - 115	94.6	96.6	mg/L	2.09	25.0
Tin, Total	1156415	0.445	0.470	0.500	85.0 - 115	89.0	94.0	mg/L	5.46	25.0
Titanium	1156415	0.478	0.492	0.500	85.0 - 115	95.6	98.4	mg/L	2.89	25.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Boron	2372486	0.964	0.953	ND	1.00	75.0 - 125	96.4	95.3	mg/L	1.15	25.0
Strontium	2372486	0.486	0.486	0.0195	0.500	75.0 - 125	93.3	93.3	mg/L	0	25.0
Tin, Total	2372486	0.460	0.459	0.00385	0.500	75.0 - 125	91.2	91.0	mg/L	0.219	25.0
Titanium	2372486	0.477	0.477	ND	0.500	75.0 - 125	95.4	95.4	mg/L	0	25.0

Analytical Set

1156542

EPA 200.7 4.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File

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PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
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1132433

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Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Iron, Total	1156415	ND	0.00379	0.025	mg/L	127220692
Magnesium, Total	1156415	ND	0.00367	0.500	mg/L	127220692

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Iron, Total	2.54	2.50	mg/L	102	90.0 - 110	127220690
Iron, Total	2.57	2.50	mg/L	103	90.0 - 110	127220691
Iron, Total	2.56	2.50	mg/L	102	90.0 - 110	127220701
Iron, Total	2.58	2.50	mg/L	103	90.0 - 110	127220708
Iron, Total	2.58	2.50	mg/L	103	90.0 - 110	127220712
Iron, Total	2.59	2.50	mg/L	104	90.0 - 110	127220721
Iron, Total	2.60	2.50	mg/L	104	90.0 - 110	127220731
Iron, Total	2.59	2.50	mg/L	104	90.0 - 110	127220741
Iron, Total	2.61	2.50	mg/L	104	90.0 - 110	127220747
Magnesium, Total	25.2	25.0	mg/L	101	90.0 - 110	127220690
Magnesium, Total	25.7	25.0	mg/L	103	90.0 - 110	127220691
Magnesium, Total	25.0	25.0	mg/L	100	90.0 - 110	127220701
Magnesium, Total	25.2	25.0	mg/L	101	90.0 - 110	127220708
Magnesium, Total	25.1	25.0	mg/L	100	90.0 - 110	127220712
Magnesium, Total	25.2	25.0	mg/L	101	90.0 - 110	127220721
Magnesium, Total	25.3	25.0	mg/L	101	90.0 - 110	127220731
Magnesium, Total	25.2	25.0	mg/L	101	90.0 - 110	127220741
Magnesium, Total	25.3	25.0	mg/L	101	90.0 - 110	127220747

ICL

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Iron, Total	4.99	5.00	mg/L	99.8	95.0 - 105	127220684
Magnesium, Total	49.5	50.0	mg/L	99.0	95.0 - 105	127220684

ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Iron, Total	2.61	2.50	mg/L	104	90.0 - 110	127220688
Magnesium, Total	25.2	25.0	mg/L	101	90.0 - 110	127220688

LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Iron, Total	1156415	0.501	0.508	0.500	85.0 - 115	100	102	mg/L	1.39	25.0
Magnesium, Total	1156415	4.79	4.81	5.00	85.0 - 115	95.8	96.2	mg/L	0.417	25.0

LDR

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Iron, Total	9.60	10.0	mg/L	96.0	90.0 - 110	127220685
Magnesium, Total	101	100	mg/L	101	90.0 - 110	127220685

MRL Check

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Iron, Total	0.0468	0.050	mg/L	93.6	25.0 - 175	127220689

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MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Magnesium, Total	0.521	0.500	mg/L	104	25.0 - 175	127220689

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Iron, Total	2372486	0.866	0.874	0.348	0.500	75.0 - 125	104	105	mg/L	1.53	25.0
Magnesium, Total	2372486	4.90	4.87	0.0769	5.00	75.0 - 125	96.5	95.9	mg/L	0.624	25.0
Iron, Total	2372951	1.66	1.77	1.34	0.500	75.0 - 125	64.0 *	86.0	mg/L	29.3 *	25.0
Magnesium, Total	2372951	15.4	15.4	10.7	5.00	75.0 - 125	94.0	94.0	mg/L	0	25.0

Analytical Set

1156578

EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MDL	Units	File
Manganese, Total	1156415	ND	0.00033	0.001	mg/L	127222744
Manganese, Total	1156415	ND	0.00033	0.001	mg/L	127222758
Molybdenum, Total	1156415	ND	0.00025	0.0005	mg/L	127222744
Molybdenum, Total	1156415	ND	0.00025	0.0005	mg/L	127222758

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Molybdenum, Total	0.0463	0.05	mg/L	92.6	90.0 - 110	127222757
Molybdenum, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	127222766
Molybdenum, Total	0.0451	0.05	mg/L	90.2	90.0 - 110	127222774
Molybdenum, Total	0.0506	0.05	mg/L	101	90.0 - 110	127222776
Molybdenum, Total	0.0509	0.05	mg/L	102	90.0 - 110	127222783
Molybdenum, Total	0.0455	0.05	mg/L	91.0	90.0 - 110	127222793
Molybdenum, Total	0.046	0.05	mg/L	92.0	90.0 - 110	127222804
Molybdenum, Total	0.0507	0.05	mg/L	101	90.0 - 110	127222814

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Molybdenum, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	127222752

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Manganese, Total	1156415	0.454	0.432	0.500	85.0 - 115	90.8	86.4	mg/L	4.97	20.0
Molybdenum, Total	1156415	0.426	0.444	0.500	85.0 - 115	85.2	88.8	mg/L	4.14	20.0

LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File
Manganese, Total	10.2	10	mg/L	102	90.0 - 110	127222754
Molybdenum, Total	10.4	10	mg/L	104	90.0 - 110	127222754

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Manganese, Total	2372486	0.443	0.435	0.0116	0.500	70.0 - 130	86.3	84.7	mg/L	1.87	20.0
Molybdenum, Total	2372486	0.433	0.434	0.00492	0.500	70.0 - 130	85.6	85.8	mg/L	0.233	20.0
Manganese, Total	2372951	0.510	0.544	0.135	0.500	70.0 - 130	75.0	81.8	mg/L	8.67	20.0

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MSD											
Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Molybdenum, Total	2372951	0.465	0.470	0.00035	0.500	70.0 - 130	92.9	93.9	mg/L	1.07	20.0

Analytical Set

1156724

EPA 200.8 5.4

Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cobalt, Total	1156415	ND	0.000167	0.001	mg/L	127225633
Manganese, Total	1156415	ND	0.000168	0.001	mg/L	127225633

CCV						
Parameter	Reading	Known	Units	Recover%	Limits%	File
Cobalt, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	127225630
Cobalt, Total	0.0507	0.05	mg/L	101	90.0 - 110	127225636
Cobalt, Total	0.0502	0.05	mg/L	100	90.0 - 110	127225645
Cobalt, Total	0.0505	0.05	mg/L	101	90.0 - 110	127225653
Manganese, Total	0.0505	0.05	mg/L	101	90.0 - 110	127225630
Manganese, Total	0.0508	0.05	mg/L	102	90.0 - 110	127225636
Manganese, Total	0.0501	0.05	mg/L	100	90.0 - 110	127225645

ICV						
Parameter	Reading	Known	Units	Recover%	Limits%	File
Cobalt, Total	0.0502	0.05	mg/L	100	90.0 - 110	127225632
Manganese, Total	0.0509	0.05	mg/L	102	90.0 - 110	127225632

LCS Dup										
Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cobalt, Total	1156415	0.432	0.427	0.500	85.0 - 115	86.4	85.4	mg/L	1.16	20.0
Manganese, Total	1156415	0.441	0.434	0.500	85.0 - 115	88.2	86.8	mg/L	1.60	20.0

LDR						
Parameter	Reading	Known	Units	Recover%	Limits%	File
Cobalt, Total	4.69	5	mg/L	93.8	90.0 - 110	127225628
Manganese, Total	4.68	5	mg/L	93.6	90.0 - 110	127225628

MRL Check						
Parameter	Reading	Known	Units	Recover%	Limits%	File
Manganese, Total	0.000953	0.001	mg/L	95.3	25.0 - 175	127225626

MSD											
Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Cobalt, Total	2372486	0.447	0.438	ND	0.500	70.0 - 130	89.4	87.6	mg/L	2.03	20.0
Manganese, Total	2372486	0.465	0.455	0.0115	0.500	70.0 - 130	90.7	88.7	mg/L	2.23	20.0

Analytical Set

1156976

EPA 200.7 4.4

Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
Phosphorus	1156859	ND	0.0353	0.040	mg/L	127232931

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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

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	1156859	4.24	4.13	4.00	85.0 - 115	106	103	mg/L	2.63	25.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Phosphorus	2374054	4.77	4.77	ND	4.00	75.0 - 125	119	119	mg/L	0	25.0

Analytical Set

1157027

EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Antimony, Total	1156859	ND	0.000399	0.001	mg/L	127234402
Cadmium, Total	1156859	0.000168	0.000095	0.0005	mg/L	127234402
Chromium, Total	1156859	ND	0.0005	0.001	mg/L	127234402
Copper, Total	1156859	ND	0.0005	0.001	mg/L	127234402
Lead, Total	1156859	ND	0.00025	0.0005	mg/L	127234402
Selenium, Total	1156859	ND	0.000728	0.002	mg/L	127234402
Silver, Total	1156859	ND	0.000062	0.0002	mg/L	127234402
Thallium, Total	1156859	ND	0.00025	0.0005	mg/L	127234402
Zinc, Total	1156859	ND	0.0025	0.005	mg/L	127234402

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.0513	0.05	mg/L	103	90.0 - 110	127234392
Antimony, Total	0.0532	0.05	mg/L	106	90.0 - 110	127234401
Antimony, Total	0.052	0.05	mg/L	104	90.0 - 110	127234412
Antimony, Total	0.054	0.05	mg/L	108	90.0 - 110	127234423
Antimony, Total	0.0546	0.05	mg/L	109	90.0 - 110	127234433
Cadmium, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	127234392
Cadmium, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	127234397
Cadmium, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	127234401

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cadmium, Total	0.0472	0.05	mg/L	94.4	90.0 - 110	127234412
Cadmium, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	127234423
Cadmium, Total	0.0505	0.05	mg/L	101	90.0 - 110	127234433
Cadmium, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	127234444
Cadmium, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	127234452
Cadmium, Total	0.0472	0.05	mg/L	94.4	90.0 - 110	127234453
Chromium, Total	0.0543	0.05	mg/L	109	90.0 - 110	127234392
Chromium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	127234401
Chromium, Total	0.0514	0.05	mg/L	103	90.0 - 110	127234412
Chromium, Total	0.0508	0.05	mg/L	102	90.0 - 110	127234423
Chromium, Total	0.0506	0.05	mg/L	101	90.0 - 110	127234433
Chromium, Total	0.0514	0.05	mg/L	103	90.0 - 110	127234444
Chromium, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	127234452
Chromium, Total	0.0502	0.05	mg/L	100	90.0 - 110	127234453
Copper, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	127234392
Copper, Total	0.0477	0.05	mg/L	95.4	90.0 - 110	127234397
Copper, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	127234401
Copper, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127234412
Copper, Total	0.0511	0.05	mg/L	102	90.0 - 110	127234423
Copper, Total	0.050	0.05	mg/L	100	90.0 - 110	127234433
Copper, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	127234444
Copper, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	127234452
Copper, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	127234453
Lead, Total	0.0515	0.05	mg/L	103	90.0 - 110	127234392
Lead, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	127234401
Lead, Total	0.0479	0.05	mg/L	95.8	90.0 - 110	127234412
Lead, Total	0.0466	0.05	mg/L	93.2	90.0 - 110	127234423
Lead, Total	0.0468	0.05	mg/L	93.6	90.0 - 110	127234433
Lead, Total	0.0463	0.05	mg/L	92.6	90.0 - 110	127234444
Lead, Total	0.0456	0.05	mg/L	91.2	90.0 - 110	127234452
Lead, Total	0.0459	0.05	mg/L	91.8	90.0 - 110	127234453
Selenium, Total	0.0515	0.05	mg/L	103	90.0 - 110	127234392
Selenium, Total	0.0527	0.05	mg/L	105	90.0 - 110	127234397
Selenium, Total	0.0502	0.05	mg/L	100	90.0 - 110	127234401
Selenium, Total	0.0507	0.05	mg/L	101	90.0 - 110	127234412
Selenium, Total	0.0531	0.05	mg/L	106	90.0 - 110	127234423
Selenium, Total	0.0532	0.05	mg/L	106	90.0 - 110	127234433
Selenium, Total	0.049	0.05	mg/L	98.0	90.0 - 110	127234444
Selenium, Total	0.0513	0.05	mg/L	103	90.0 - 110	127234452
Selenium, Total	0.0479	0.05	mg/L	95.8	90.0 - 110	127234453
Silver, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	127234392
Silver, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	127234401
Silver, Total	0.049	0.05	mg/L	98.0	90.0 - 110	127234412
Silver, Total	0.0503	0.05	mg/L	101	90.0 - 110	127234423
Silver, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	127234433

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Parameter	Reading	Known	Units	Recover%	Limits%	File
Silver, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	127234444
Silver, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	127234452
Silver, Total	0.0477	0.05	mg/L	95.4	90.0 - 110	127234453
Thallium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	127234392
Thallium, Total	0.0468	0.05	mg/L	93.6	90.0 - 110	127234412
Thallium, Total	0.0457	0.05	mg/L	91.4	90.0 - 110	127234423
Thallium, Total	0.0467	0.05	mg/L	93.4	90.0 - 110	127234433
Zinc, Total	0.0527	0.05	mg/L	105	90.0 - 110	127234392
Zinc, Total	0.0515	0.05	mg/L	103	90.0 - 110	127234401
Zinc, Total	0.054	0.05	mg/L	108	90.0 - 110	127234412
Zinc, Total	0.0537	0.05	mg/L	107	90.0 - 110	127234423
Zinc, Total	0.0514	0.05	mg/L	103	90.0 - 110	127234433
Zinc, Total	0.0512	0.05	mg/L	102	90.0 - 110	127234444
Zinc, Total	0.053	0.05	mg/L	106	90.0 - 110	127234452
Zinc, Total	0.0501	0.05	mg/L	100	90.0 - 110	127234453

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.0532	0.05	mg/L	106	90.0 - 110	127234385
Cadmium, Total	0.0506	0.05	mg/L	101	90.0 - 110	127234385
Chromium, Total	0.0535	0.05	mg/L	107	90.0 - 110	127234385
Copper, Total	0.0503	0.05	mg/L	101	90.0 - 110	127234385
Lead, Total	0.0502	0.05	mg/L	100	90.0 - 110	127234385
Selenium, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	127234385
Silver, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	127234385
Thallium, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	127234385
Zinc, Total	0.0519	0.05	mg/L	104	90.0 - 110	127234385

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Antimony, Total	1156859	0.528	0.535	0.500	85.0 - 115	106	107	mg/L	1.32	20.0
Cadmium, Total	1156859	0.242	0.245	0.250	85.0 - 115	96.8	98.0	mg/L	1.23	20.0
Chromium, Total	1156859	0.530	0.537	0.500	85.0 - 115	106	107	mg/L	1.31	20.0
Copper, Total	1156859	0.492	0.497	0.500	85.0 - 115	98.4	99.4	mg/L	1.01	20.0
Lead, Total	1156859	0.514	0.521	0.500	85.0 - 115	103	104	mg/L	1.35	20.0
Selenium, Total	1156859	0.496	0.506	0.500	85.0 - 115	99.2	101	mg/L	2.00	20.0
Silver, Total	1156859	0.0944	0.0961	0.100	85.0 - 115	94.4	96.1	mg/L	1.78	20.0
Thallium, Total	1156859	0.546	0.549	0.500	85.0 - 115	109	110	mg/L	0.548	20.0
Zinc, Total	1156859	0.501	0.505	0.500	85.0 - 115	100	101	mg/L	0.795	20.0

MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Copper, Total	ND	0.001	mg/L	0	25.0 - 175	127234386
Lead, Total	0.00099	0.001	mg/L	99.0	85.0 - 115	127234386

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Antimony, Total	2373788	0.521	0.523	0.00192	0.500	70.0 - 130	104	104	mg/L	0.385	20.0
Cadmium, Total	2373788	0.240	0.245	0.000134	0.250	70.0 - 130	95.9	97.9	mg/L	2.06	20.0
Chromium, Total	2373788	0.526	0.524	0.000986	0.500	70.0 - 130	105	105	mg/L	0.382	20.0
Copper, Total	2373788	0.502	0.490	ND	0.500	70.0 - 130	100	98.0	mg/L	2.42	20.0
Lead, Total	2373788	0.507	0.506	0.000844	0.500	70.0 - 130	101	101	mg/L	0.198	20.0
Selenium, Total	2373788	0.491	0.480	0.0019	0.500	70.0 - 130	97.8	95.6	mg/L	2.27	20.0
Silver, Total	2373788	0.0934	0.0937	ND	0.100	70.0 - 130	93.4	93.7	mg/L	0.321	20.0
Thallium, Total	2373788	0.534	0.532	0.000644	0.500	70.0 - 130	107	106	mg/L	0.376	20.0
Zinc, Total	2373788	0.500	0.499	0.00339	0.500	70.0 - 130	99.3	99.1	mg/L	0.202	20.0
Antimony, Total	2374054	0.536	0.529	0.00057	0.500	70.0 - 130	107	106	mg/L	1.32	20.0
Cadmium, Total	2374054	0.246	0.241	ND	0.250	70.0 - 130	98.4	96.4	mg/L	2.05	20.0
Chromium, Total	2374054	0.541	0.545	ND	0.500	70.0 - 130	108	109	mg/L	0.737	20.0
Copper, Total	2374054	0.701	0.699	0.219	0.500	70.0 - 130	96.4	96.0	mg/L	0.416	20.0
Lead, Total	2374054	0.531	0.518	0.00025	0.500	70.0 - 130	106	104	mg/L	2.48	20.0
Selenium, Total	2374054	0.485	0.480	ND	0.500	70.0 - 130	97.0	96.0	mg/L	1.04	20.0
Silver, Total	2374054	0.0949	0.0915	ND	0.100	70.0 - 130	94.9	91.5	mg/L	3.65	20.0
Thallium, Total	2374054	0.564	0.551	ND	0.500	70.0 - 130	113	110	mg/L	2.33	20.0
Zinc, Total	2374054	0.520	0.521	0.0293	0.500	70.0 - 130	98.1	98.3	mg/L	0.204	20.0

Analytical Set

1157115

EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Aluminum, Total	1156859	ND	0.0039	0.005	mg/L	127236332
Aluminum, Total	1156859	ND	0.0039	0.005	mg/L	127236348
Arsenic, Total	1156859	ND	0.000902	0.001	mg/L	127236332
Arsenic, Total	1156859	ND	0.000902	0.001	mg/L	127236348
Barium, Total	1156859	ND	0.00207	0.005	mg/L	127236332
Barium, Total	1156859	ND	0.00207	0.005	mg/L	127236348
Beryllium, Total	1156859	ND	0.000162	0.001	mg/L	127236332
Beryllium, Total	1156859	ND	0.000162	0.001	mg/L	127236348
Nickel, Total	1156859	ND	0.000154	0.001	mg/L	127236332
Nickel, Total	1156859	ND	0.000154	0.001	mg/L	127236348

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	127236347
Aluminum, Total	0.053	0.05	mg/L	106	90.0 - 110	127236357
Aluminum, Total	0.0512	0.05	mg/L	102	90.0 - 110	127236368
Arsenic, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	127236347
Arsenic, Total	0.0522	0.05	mg/L	104	90.0 - 110	127236357
Arsenic, Total	0.0506	0.05	mg/L	101	90.0 - 110	127236368
Barium, Total	0.0501	0.05	mg/L	100	90.0 - 110	127236347
Barium, Total	0.052	0.05	mg/L	104	90.0 - 110	127236357
Barium, Total	0.0513	0.05	mg/L	103	90.0 - 110	127236368
Beryllium, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	127236347

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Beryllium, Total	0.0523	0.05	mg/L	105	90.0 - 110	127236357
Beryllium, Total	0.050	0.05	mg/L	100	90.0 - 110	127236368
Nickel, Total	0.0515	0.05	mg/L	103	90.0 - 110	127236347
Nickel, Total	0.0505	0.05	mg/L	101	90.0 - 110	127236357
Nickel, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	127236368

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	127236340
Arsenic, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	127236340
Barium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127236340
Beryllium, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	127236340
Nickel, Total	0.0508	0.05	mg/L	102	90.0 - 110	127236340

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Aluminum, Total	1156859	0.496	0.492	0.500	85.0 - 115	99.2	98.4	mg/L	0.810	20.0
Arsenic, Total	1156859	0.479	0.482	0.500	85.0 - 115	95.8	96.4	mg/L	0.624	20.0
Barium, Total	1156859	0.483	0.486	0.500	85.0 - 115	96.6	97.2	mg/L	0.619	20.0
Beryllium, Total	1156859	0.189	0.190	0.200	85.0 - 115	94.5	95.0	mg/L	0.528	20.0
Nickel, Total	1156859	0.498	0.502	0.500	85.0 - 115	99.6	100	mg/L	0.800	20.0

LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	9.52	10	mg/L	95.2	90.0 - 110	127236344
Arsenic, Total	9.29	10	mg/L	92.9	90.0 - 110	127236344
Barium, Total	9.40	10	mg/L	94.0	90.0 - 110	127236344
Beryllium, Total	9.28	10	mg/L	92.8	90.0 - 110	127236344
Nickel, Total	9.35	10	mg/L	93.5	90.0 - 110	127236344

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Aluminum, Total	2373788	1.12	1.07	0.626	0.500	70.0 - 130	98.8	88.8	mg/L	10.7	20.0
Arsenic, Total	2373788	0.486	0.479	0.00328	0.500	70.0 - 130	96.5	95.1	mg/L	1.46	20.0
Barium, Total	2373788	0.488	0.493	0.00396	0.500	70.0 - 130	96.8	97.8	mg/L	1.03	20.0
Beryllium, Total	2373788	0.190	0.188	ND	0.200	70.0 - 130	95.0	94.0	mg/L	1.06	20.0
Nickel, Total	2373788	0.483	0.484	0.000353	0.500	70.0 - 130	96.5	96.7	mg/L	0.207	20.0
Aluminum, Total	2374054	0.516	0.513	0.00941	0.500	70.0 - 130	101	101	mg/L	0.594	20.0
Arsenic, Total	2374054	0.497	0.503	ND	0.500	70.0 - 130	99.4	101	mg/L	1.20	20.0
Barium, Total	2374054	0.518	0.517	0.0185	0.500	70.0 - 130	99.9	99.7	mg/L	0.200	20.0
Beryllium, Total	2374054	0.196	0.196	ND	0.200	70.0 - 130	98.0	98.0	mg/L	0	20.0
Nickel, Total	2374054	0.483	0.480	0.00181	0.500	70.0 - 130	96.2	95.6	mg/L	0.625	20.0

Analytical Set

1157980

EPA 245.7 2

AWRL/LOQ C

Parameter	Reading	Known	Units	Recover%	Limits%	File

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AWRL/LOQ C

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	3.54	5.00	ng/L	70.8	70.0 - 130	127252732

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury, Total (low level)	1157940	ND	1.20	4.00	ng/L	127252735

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	26.7	25.0	ng/L	107	87.0 - 113	127252733
Mercury, Total (low level)	27.4	25.0	ng/L	110	87.0 - 113	127252745
Mercury, Total (low level)	27.0	25.0	ng/L	108	87.0 - 113	127252757
Mercury, Total (low level)	27.0	25.0	ng/L	108	87.0 - 113	127252766

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	ND	50.0	ng/L	0	90.0 - 110	127252730

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	27.0	25.0	ng/L	108	90.0 - 110	127252731

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Mercury, Total (low level)	1157940	23.8	24.1	25.0	76.0 - 115	95.2	96.4	ng/L	1.25	50.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury, Total (low level)	2373840	14.8	14.9	ND	26.6	63.0 - 111	55.6 *	56.0 *	ng/L	0.673	18.0
Mercury, Total (low level)	2374172	21.9	24.6	2.07	26.6	63.0 - 111	74.5	84.7	ng/L	12.7	18.0

Analytical Set

1156354

EPA 624.1

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1156354	174	8	0.6	0 - 2.00	127217077
BFB Mass 174	1156354	95.0	1277	50.5	50.0 - 100	127217077
BFB Mass 175	1156354	174	84	6.6	5.00 - 9.00	127217077
BFB Mass 176	1156354	174	1234	96.7	95.0 - 101	127217077
BFB Mass 177	1156354	176	67	5.4	5.00 - 9.00	127217077
BFB Mass 50	1156354	95.0	441	17.4	15.0 - 40.0	127217077
BFB Mass 75	1156354	95.0	1327	52.4	30.0 - 60.0	127217077
BFB Mass 95	1156354	95.0	2531	100.0	100 - 100	127217077
BFB Mass 96	1156354	95.0	150	5.9	5.00 - 9.00	127217077

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Acrylonitrile	1156354	ND	1.43	2.00	ug/L	127217081

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IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1156354	LCS	85050	80520	40260	120800	127217079	1156354
1,4-DichlorobenzeneD4 (ISTD)	1156354	LCS Dup	86180	80520	40260	120800	127217080	1156354
1,4-DichlorobenzeneD4 (ISTD)	1156354	Blank	77740	80520	40260	120800	127217081	1156354
ChlorobenzeneD5 (ISTD)	1156354	LCS	174300	168100	84060	252200	127217079	1156354
ChlorobenzeneD5 (ISTD)	1156354	LCS Dup	182000	168100	84060	252200	127217080	1156354
ChlorobenzeneD5 (ISTD)	1156354	Blank	178600	168100	84060	252200	127217081	1156354
1,4-DichlorobenzeneD4 (ISTD)	2371859	MS	83890	80520	40260	120800	127217083	1156354
1,4-DichlorobenzeneD4 (ISTD)	2371859	MSD	87660	80520	40260	120800	127217084	1156354
ChlorobenzeneD5 (ISTD)	2371859	MS	175500	168100	84060	252200	127217083	1156354
ChlorobenzeneD5 (ISTD)	2371859	MSD	184500	168100	84060	252200	127217084	1156354
1,4-DichlorobenzeneD4 (ISTD)	2372700	Unknown	63020	80520	40260	120800	127217085	1156354
ChlorobenzeneD5 (ISTD)	2372700	Unknown	142700	168100	84060	252200	127217085	1156354

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1156354	LCS	11.07	11.07	11.01	11.13	127217079	1156354
1,4-DichlorobenzeneD4 (ISTD)	1156354	LCS Dup	11.07	11.07	11.01	11.13	127217080	1156354
1,4-DichlorobenzeneD4 (ISTD)	1156354	Blank	11.07	11.07	11.01	11.13	127217081	1156354
ChlorobenzeneD5 (ISTD)	1156354	LCS	8.714	8.708	8.648	8.768	127217079	1156354
ChlorobenzeneD5 (ISTD)	1156354	LCS Dup	8.714	8.708	8.648	8.768	127217080	1156354
ChlorobenzeneD5 (ISTD)	1156354	Blank	8.714	8.708	8.648	8.768	127217081	1156354
1,4-DichlorobenzeneD4 (ISTD)	2371859	MS	11.07	11.07	11.01	11.13	127217083	1156354
1,4-DichlorobenzeneD4 (ISTD)	2371859	MSD	11.07	11.07	11.01	11.13	127217084	1156354
ChlorobenzeneD5 (ISTD)	2371859	MS	8.714	8.708	8.648	8.768	127217083	1156354
ChlorobenzeneD5 (ISTD)	2371859	MSD	8.714	8.708	8.648	8.768	127217084	1156354
1,4-DichlorobenzeneD4 (ISTD)	2372700	Unknown	11.07	11.07	11.01	11.13	127217085	1156354
ChlorobenzeneD5 (ISTD)	2372700	Unknown	8.714	8.708	8.648	8.768	127217085	1156354

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Acrylonitrile	1156354	39.5	37.4	40.0	60.0 - 140	98.8	93.5	ug/L	5.51	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Acrylonitrile	2371859	188	184	ND	200	40.0 - 160	94.0	92.0	ug/L	2.15	60.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1156354	LCS	17.2	20.0	ug/L	86.0	70.0 - 130	127217079
1,2-DCA-d4 (SURR)	1156354	LCS Dup	16.5	20.0	ug/L	82.5	70.0 - 130	127217080
1,2-DCA-d4 (SURR)	1156354	Blank	16.7	20.0	ug/L	83.5	70.0 - 130	127217081
Bromofluorobenzene (SURR)	1156354	LCS	19.6	20.0	ug/L	98.0	70.0 - 130	127217079
Bromofluorobenzene (SURR)	1156354	LCS Dup	20.2	20.0	ug/L	101	70.0 - 130	127217080
Bromofluorobenzene (SURR)	1156354	Blank	18.4	20.0	ug/L	92.0	70.0 - 130	127217081
Dibromofluoromethane (SURR)	1156354	LCS	17.0	20.0	ug/L	85.0	70.0 - 130	127217079
Dibromofluoromethane (SURR)	1156354	LCS Dup	17.6	20.0	ug/L	88.0	70.0 - 130	127217080

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Surrogate								
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Dibromofluoromethane (SURR)	1156354	Blank	17.3	20.0	ug/L	86.5	70.0 - 130	127217081
TolueneD8 (SURR)	1156354	LCS	17.6	20.0	ug/L	88.0	70.0 - 130	127217079
TolueneD8 (SURR)	1156354	LCS Dup	18.1	20.0	ug/L	90.5	70.0 - 130	127217080
TolueneD8 (SURR)	1156354	Blank	17.2	20.0	ug/L	86.0	70.0 - 130	127217081
1,2-DCA-d4 (SURR)	2371859	MS	17.4	20.0	ug/L	87.0	70.0 - 130	127217083
1,2-DCA-d4 (SURR)	2371859	MSD	16.8	20.0	ug/L	84.0	70.0 - 130	127217084
Bromofluorobenzene (SURR)	2371859	MS	19.4	20.0	ug/L	97.0	70.0 - 130	127217083
Bromofluorobenzene (SURR)	2371859	MSD	19.6	20.0	ug/L	98.0	70.0 - 130	127217084
Dibromofluoromethane (SURR)	2371859	MS	17.2	20.0	ug/L	86.0	70.0 - 130	127217083
Dibromofluoromethane (SURR)	2371859	MSD	17.1	20.0	ug/L	85.5	70.0 - 130	127217084
TolueneD8 (SURR)	2371859	MS	17.9	20.0	ug/L	89.5	70.0 - 130	127217083
TolueneD8 (SURR)	2371859	MSD	17.7	20.0	ug/L	88.5	70.0 - 130	127217084
1,2-DCA-d4 (SURR)	2372700	Unknown	17.8	20.0	ug/L	89.0	70.0 - 130	127217085
Bromofluorobenzene (SURR)	2372700	Unknown	17.6	20.0	ug/L	88.0	70.0 - 130	127217085
Dibromofluoromethane (SURR)	2372700	Unknown	17.8	20.0	ug/L	89.0	70.0 - 130	127217085
TolueneD8 (SURR)	2372700	Unknown	16.6	20.0	ug/L	83.0	70.0 - 130	127217085

Analytical Set

1156355

EPA 624.1

BFB						
Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1156355	174	8	0.6	0 - 2.00	127217086
BFB Mass 174	1156355	95.0	1277	50.5	50.0 - 100	127217086
BFB Mass 175	1156355	174	84	6.6	5.00 - 9.00	127217086
BFB Mass 176	1156355	174	1234	96.7	95.0 - 101	127217086
BFB Mass 177	1156355	176	67	5.4	5.00 - 9.00	127217086
BFB Mass 50	1156355	95.0	441	17.4	15.0 - 40.0	127217086
BFB Mass 75	1156355	95.0	1327	52.4	30.0 - 60.0	127217086
BFB Mass 95	1156355	95.0	2531	100.0	100 - 100	127217086
BFB Mass 96	1156355	95.0	150	5.9	5.00 - 9.00	127217086

Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
1,1,1-Trichloroethane	1156355	ND	0.914	1.00	ug/L	127217090
1,1,2-Trichloroethane	1156355	ND	1.27	2.00	ug/L	127217090
1,1-Dichloroethylene	1156355	ND	0.812	1.00	ug/L	127217090
1,2-Dibromoethane (EDB)	1156355	ND	1.00	1.00	ug/L	127217090
1,2-Dichloroethane	1156355	ND	0.856	1.00	ug/L	127217090
1,2-Dichloropropane	1156355	ND	1.01	1.01	ug/L	127217090
Benzene	1156355	ND	0.813	1.00	ug/L	127217090
Bromodichloromethane	1156355	ND	0.873	1.00	ug/L	127217090
Bromoform	1156355	ND	1.28	2.00	ug/L	127217090
Carbon Tetrachloride	1156355	ND	0.825	1.00	ug/L	127217090
Chlorobenzene	1156355	ND	0.945	1.00	ug/L	127217090
Chloroform	1156355	ND	0.945	1.00	ug/L	127217090
cis-1,3-Dichloropropene	1156355	ND	0.615	1.00	ug/L	127217090

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
Dibromochloromethane	1156355	ND	0.995	1.00	ug/L	127217090
Dichloromethane	1156355	ND	1.29	2.00	ug/L	127217090
Ethylbenzene	1156355	ND	0.545	1.00	ug/L	127217090
m-Dichlorobenzene (1,3-DCB)	1156355	ND	0.860	1.00	ug/L	127217090
Methyl ethyl ketone (Butanone)	1156355	ND	6.54	10.0	ug/L	127217090
o-Dichlorobenzene (1,2-DCB)	1156355	ND	0.960	1.00	ug/L	127217090
p-Dichlorobenzene (1,4-DCB)	1156355	ND	0.865	1.00	ug/L	127217090
Tetrachloroethylene	1156355	ND	0.921	1.00	ug/L	127217090
Toluene	1156355	ND	0.656	1.00	ug/L	127217090
trans-1,3-Dichloropropene	1156355	ND	0.695	1.00	ug/L	127217090
Trichloroethylene	1156355	ND	0.789	1.00	ug/L	127217090
Vinyl chloride	1156355	ND	1.04	1.04	ug/L	127217090

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1156355	LCS	85050	80520	40260	120800	127217088	1156355
1,4-DichlorobenzeneD4 (ISTD)	1156355	LCS Dup	86180	80520	40260	120800	127217089	1156355
1,4-DichlorobenzeneD4 (ISTD)	1156355	Blank	77740	80520	40260	120800	127217090	1156355
ChlorobenzeneD5 (ISTD)	1156355	LCS	174300	168100	84060	252200	127217088	1156355
ChlorobenzeneD5 (ISTD)	1156355	LCS Dup	182000	168100	84060	252200	127217089	1156355
ChlorobenzeneD5 (ISTD)	1156355	Blank	178600	168100	84060	252200	127217090	1156355
1,4-DichlorobenzeneD4 (ISTD)	2371859	MS	83890	80520	40260	120800	127217092	1156355
1,4-DichlorobenzeneD4 (ISTD)	2371859	MSD	87660	80520	40260	120800	127217093	1156355
ChlorobenzeneD5 (ISTD)	2371859	MS	175500	168100	84060	252200	127217092	1156355
ChlorobenzeneD5 (ISTD)	2371859	MSD	184500	168100	84060	252200	127217093	1156355
1,4-DichlorobenzeneD4 (ISTD)	2372700	Unknown	66340	80520	40260	120800	127217094	1156355
ChlorobenzeneD5 (ISTD)	2372700	Unknown	152700	168100	84060	252200	127217094	1156355

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1156355	LCS	11.07	11.07	11.01	11.13	127217088	1156355
1,4-DichlorobenzeneD4 (ISTD)	1156355	LCS Dup	11.07	11.07	11.01	11.13	127217089	1156355
1,4-DichlorobenzeneD4 (ISTD)	1156355	Blank	11.07	11.07	11.01	11.13	127217090	1156355
ChlorobenzeneD5 (ISTD)	1156355	LCS	8.714	8.708	8.648	8.768	127217088	1156355
ChlorobenzeneD5 (ISTD)	1156355	LCS Dup	8.714	8.708	8.648	8.768	127217089	1156355
ChlorobenzeneD5 (ISTD)	1156355	Blank	8.714	8.708	8.648	8.768	127217090	1156355
1,4-DichlorobenzeneD4 (ISTD)	2371859	MS	11.07	11.07	11.01	11.13	127217092	1156355
1,4-DichlorobenzeneD4 (ISTD)	2371859	MSD	11.07	11.07	11.01	11.13	127217093	1156355
ChlorobenzeneD5 (ISTD)	2371859	MS	8.714	8.708	8.648	8.768	127217092	1156355
ChlorobenzeneD5 (ISTD)	2371859	MSD	8.714	8.708	8.648	8.768	127217093	1156355
1,4-DichlorobenzeneD4 (ISTD)	2372700	Unknown	11.07	11.07	11.01	11.13	127217094	1156355
ChlorobenzeneD5 (ISTD)	2372700	Unknown	8.715	8.708	8.648	8.768	127217094	1156355

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,1,1-Trichloroethane	1156355	19.2	19.2	20.0	70.0 - 130	96.0	96.0	ug/L	0	21.0

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,1,2,2-Tetrachloroethane	1156355	21.3	20.9	20.0	60.0 - 140	106	104	ug/L	1.90	36.0
1,1,2-Trichloroethane	1156355	21.4	20.8	20.0	70.0 - 130	107	104	ug/L	2.84	27.0
1,1-Dichloroethylene	1156355	17.1	17.2	20.0	50.0 - 150	85.5	86.0	ug/L	0.583	40.0
1,2-Dibromoethane (EDB)	1156355	19.2	19.0	20.0	78.4 - 122	96.0	95.0	ug/L	1.05	30.0
1,2-Dichloroethane	1156355	20.9	20.0	20.0	70.0 - 130	104	100	ug/L	3.92	29.0
1,2-Dichloropropane	1156355	20.5	20.1	20.0	35.0 - 165	102	100	ug/L	1.98	69.0
Benzene	1156355	19.6	19.3	20.0	65.0 - 135	98.0	96.5	ug/L	1.54	33.0
Bromodichloromethane	1156355	19.1	18.6	20.0	65.0 - 135	95.5	93.0	ug/L	2.65	34.0
Bromoform	1156355	18.7	18.7	20.0	70.0 - 130	93.5	93.5	ug/L	0	25.0
Carbon Tetrachloride	1156355	19.0	19.0	20.0	70.0 - 130	95.0	95.0	ug/L	0	26.0
Chlorobenzene	1156355	19.2	18.9	20.0	65.0 - 135	96.0	94.5	ug/L	1.57	29.0
Chloroform	1156355	19.5	18.8	20.0	70.0 - 135	97.5	94.0	ug/L	3.66	32.0
cis-1,3-Dichloropropene	1156355	16.4	16.2	20.0	25.0 - 175	82.0	81.0	ug/L	1.23	79.0
Dibromochloromethane	1156355	20.7	20.0	20.0	70.0 - 135	104	100	ug/L	3.92	30.0
Dichloromethane	1156355	17.0	16.2	20.0	60.0 - 140	85.0	81.0	ug/L	4.82	192
Ethylbenzene	1156355	20.3	20.2	20.0	60.0 - 140	102	101	ug/L	0.985	34.0
m-Dichlorobenzene (1,3-DCB)	1156355	18.4	18.4	20.0	70.0 - 130	92.0	92.0	ug/L	0	24.0
Methyl ethyl ketone (Butanone)	1156355	18.9	18.6	20.0	62.3 - 136	94.5	93.0	ug/L	1.60	30.0
o-Dichlorobenzene (1,2-DCB)	1156355	19.1	18.8	20.0	65.0 - 135	95.5	94.0	ug/L	1.58	31.0
p-Dichlorobenzene (1,4-DCB)	1156355	17.5	17.4	20.0	65.0 - 135	87.5	87.0	ug/L	0.573	31.0
Tetrachloroethylene	1156355	20.6	21.2	20.0	70.0 - 130	103	106	ug/L	2.87	23.0
Toluene	1156355	19.6	19.3	20.0	70.0 - 130	98.0	96.5	ug/L	1.54	22.0
trans-1,3-Dichloropropene	1156355	17.0	16.4	20.0	50.0 - 150	85.0	82.0	ug/L	3.59	52.0
Trichloroethylene	1156355	19.0	19.4	20.0	65.0 - 135	95.0	97.0	ug/L	2.08	29.0
Vinyl chloride	1156355	24.7	24.2	20.0	5.00 - 195	124	121	ug/L	2.45	100

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
1,1,1-Trichloroethane	2371859	95.4	87.3	ND	100	52.0 - 162	95.4	87.3	ug/L	8.87	36.0
1,1,2,2-Tetrachloroethane	2371859	102	100	ND	100	46.0 - 157	102	100	ug/L	1.98	61.0
1,1,2-Trichloroethane	2371859	104	97.2	ND	100	52.0 - 150	104	97.2	ug/L	6.76	45.0
1,1-Dichloroethylene	2371859	83.0	78.4	ND	100	0.100 - 234	83.0	78.4	ug/L	5.70	32.0
1,2-Dibromoethane (EDB)	2371859	91.0	85.8	ND	100	49.3 - 120	91.0	85.8	ug/L	5.88	30.0
1,2-Dichloroethane	2371859	97.1	92.4	ND	100	49.0 - 155	97.1	92.4	ug/L	4.96	49.0
1,2-Dichloropropane	2371859	98.8	93.6	ND	100	0.100 - 210	98.8	93.6	ug/L	5.41	55.0
Benzene	2371859	96.4	90.4	ND	100	37.0 - 151	96.4	90.4	ug/L	6.42	61.0
Bromodichloromethane	2371859	91.6	88.8	1.80	100	35.0 - 155	89.8	87.0	ug/L	3.17	56.0
Bromoform	2371859	88.2	86.6	ND	100	45.0 - 169	88.2	86.6	ug/L	1.83	42.0
Carbon Tetrachloride	2371859	92.0	86.4	ND	100	70.0 - 140	92.0	86.4	ug/L	6.28	41.0
Chlorobenzene	2371859	90.2	86.2	ND	100	37.0 - 160	90.2	86.2	ug/L	4.54	53.0
Chloroform	2371859	102	96.1	7.25	100	51.0 - 138	94.8	88.8	ug/L	6.43	54.0
cis-1,3-Dichloropropene	2371859	75.4	73.3	ND	100	0.100 - 227	75.4	73.3	ug/L	2.82	58.0
Dibromochloromethane	2371859	94.8	91.8	ND	100	53.0 - 149	94.8	91.8	ug/L	3.22	50.0
Dichloromethane	2371859	80.1	76.6	ND	100	0.100 - 221	80.1	76.6	ug/L	4.47	28.0
Ethylbenzene	2371859	94.7	92.1	ND	100	37.0 - 162	94.7	92.1	ug/L	2.78	63.0

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
m-Dichlorobenzene (1,3-DCB)	2371859	85.7	86.1	ND	100	59.0 - 156	85.7	86.1	ug/L	0.466	43.0
Methyl ethyl ketone (Butanone)	2371859	99.0	95.2	ND	100	0.100 - 211	99.0	95.2	ug/L	3.91	30.0
o-Dichlorobenzene (1,2-DCB)	2371859	88.2	87.6	ND	100	18.0 - 190	88.2	87.6	ug/L	0.683	57.0
p-Dichlorobenzene (1,4-DCB)	2371859	80.7	80.6	ND	100	18.0 - 190	80.7	80.6	ug/L	0.124	57.0
Tetrachloroethylene	2371859	100	97.8	ND	100	64.0 - 148	100	97.8	ug/L	2.22	39.0
Toluene	2371859	94.1	90.8	ND	100	47.0 - 150	94.1	90.8	ug/L	3.57	41.0
trans-1,3-Dichloropropene	2371859	76.6	73.2	ND	100	17.0 - 183	76.6	73.2	ug/L	4.54	86.0
Trichloroethylene	2371859	92.3	88.4	ND	100	70.0 - 157	92.3	88.4	ug/L	4.32	48.0
Vinyl chloride	2371859	126	123	ND	100	0.100 - 251	126	123	ug/L	2.41	66.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1156355	LCS	17.2	20.0	ug/L	86.0	70.0 - 130	127217088
1,2-DCA-d4 (SURR)	1156355	LCS Dup	16.5	20.0	ug/L	82.5	70.0 - 130	127217089
1,2-DCA-d4 (SURR)	1156355	Blank	16.7	20.0	ug/L	83.5	70.0 - 130	127217090
Bromofluorobenzene (SURR)	1156355	LCS	19.6	20.0	ug/L	98.0	70.0 - 130	127217088
Bromofluorobenzene (SURR)	1156355	LCS Dup	20.2	20.0	ug/L	101	70.0 - 130	127217089
Bromofluorobenzene (SURR)	1156355	Blank	18.4	20.0	ug/L	92.0	70.0 - 130	127217090
Dibromofluoromethane (SURR)	1156355	LCS	17.0	20.0	ug/L	85.0	70.0 - 130	127217088
Dibromofluoromethane (SURR)	1156355	LCS Dup	17.6	20.0	ug/L	88.0	70.0 - 130	127217089
Dibromofluoromethane (SURR)	1156355	Blank	17.3	20.0	ug/L	86.5	70.0 - 130	127217090
TolueneD8 (SURR)	1156355	LCS	17.6	20.0	ug/L	88.0	70.0 - 130	127217088
TolueneD8 (SURR)	1156355	LCS Dup	18.1	20.0	ug/L	90.5	70.0 - 130	127217089
TolueneD8 (SURR)	1156355	Blank	17.2	20.0	ug/L	86.0	70.0 - 130	127217090
1,2-DCA-d4 (SURR)	2371859	MS	17.4	20.0	ug/L	87.0	70.0 - 130	127217092
1,2-DCA-d4 (SURR)	2371859	MSD	16.8	20.0	ug/L	84.0	70.0 - 130	127217093
Bromofluorobenzene (SURR)	2371859	MS	19.4	20.0	ug/L	97.0	70.0 - 130	127217092
Bromofluorobenzene (SURR)	2371859	MSD	19.6	20.0	ug/L	98.0	70.0 - 130	127217093
Dibromofluoromethane (SURR)	2371859	MS	17.2	20.0	ug/L	86.0	70.0 - 130	127217092
Dibromofluoromethane (SURR)	2371859	MSD	17.1	20.0	ug/L	85.5	70.0 - 130	127217093
TolueneD8 (SURR)	2371859	MS	17.9	20.0	ug/L	89.5	70.0 - 130	127217092
TolueneD8 (SURR)	2371859	MSD	17.7	20.0	ug/L	88.5	70.0 - 130	127217093
1,2-DCA-d4 (SURR)	2372700	Unknown	17.6	20.0	ug/L	88.0	70.0 - 130	127217094
Bromofluorobenzene (SURR)	2372700	Unknown	18.1	20.0	ug/L	90.5	70.0 - 130	127217094
Dibromofluoromethane (SURR)	2372700	Unknown	17.4	20.0	ug/L	87.0	70.0 - 130	127217094
TolueneD8 (SURR)	2372700	Unknown	16.8	20.0	ug/L	84.0	70.0 - 130	127217094

Analytical Set

1157298

EPA 625.1

Blank

Parameter	PrepSet	Reading	MDL	MDL	Units	File
1,2,4,5-Tetrachlorobenzene	1156456	ND	0.517	1.00	ug/L	127239472
1,2-Dichlorobenzene	1156456	ND	0.598	1.00	ug/L	127239472
1,3-Dichlorobenzene	1156456	ND	0.686	1.00	ug/L	127239472
1,4-Dichlorobenzene	1156456	ND	0.633	1.00	ug/L	127239472
2,4,5-Trichlorophenol	1156456	ND	0.734	1.00	ug/L	127239472

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
2,4-Dimethylphenol	1156456	ND	2.32	2.40	ug/L	127239472
2-Methylphenol (o-Cresol)	1156456	ND	5.13	5.20	ug/L	127239472
3&4-Methylphenol (m&p-Cresol)	1156456	ND	6.15	6.20	ug/L	127239472
3,3'-Dichlorobenzidine	1156456	ND	4.79	5.00	ug/L	127239472
Anthracene	1156456	ND	0.538	1.00	ug/L	127239472
Benzidine	1156456	ND	19.9	20.0	ug/L	127239472
Benzo(a)anthracene	1156456	ND	0.627	1.00	ug/L	127239472
Benzo(a)pyrene	1156456	ND	0.478	1.00	ug/L	127239472
Bis(2-chloroethyl)ether	1156456	ND	0.434	1.00	ug/L	127239472
Bis(2-ethylhexyl)phthalate	1156456	ND	1.63	7.50	ug/L	127239472
Chrysene (Benzo(a)phenanthrene)	1156456	ND	0.575	1.00	ug/L	127239472
Di-n-butylphthalate	1156456	ND	0.834	7.50	ug/L	127239472
Hexachlorobenzene	1156456	ND	0.187	1.00	ug/L	127239472
Hexachlorobutadiene	1156456	ND	0.618	1.00	ug/L	127239472
Hexachlorocyclopentadiene	1156456	ND	8.69	9.00	ug/L	127239472
Hexachloroethane	1156456	ND	0.789	1.00	ug/L	127239472
Nitrobenzene	1156456	ND	0.390	1.00	ug/L	127239472
n-Nitrosodiethylamine	1156456	ND	0.282	1.00	ug/L	127239472
n-Nitroso-di-n-butylamine	1156456	ND	0.403	1.00	ug/L	127239472
Pentachlorobenzene	1156456	ND	0.420	1.00	ug/L	127239472
Pentachlorophenol	1156456	ND	0.129	1.00	ug/L	127239472
Phenanthrene	1156456	ND	0.624	1.00	ug/L	127239472
Pyridine	1156456	ND	5.33	5.40	ug/L	127239472

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
1,2,4,5-Tetrachlorobenzene	48400	50000	ug/L	96.8	60.0 - 140	127239471
1,2-Dichlorobenzene	50100	50000	ug/L	100	60.0 - 140	127239471
1,3-Dichlorobenzene	50000	50000	ug/L	100	60.0 - 140	127239471
1,4-Dichlorobenzene	48800	50000	ug/L	97.6	60.0 - 140	127239471
2,4,5-Trichlorophenol	49300	50000	ug/L	98.6	69.0 - 130	127239471
2,4-Dimethylphenol	40100	50000	ug/L	80.2	58.0 - 130	127239471
2-Methylphenol (o-Cresol)	41500	50000	ug/L	83.0	60.0 - 140	127239471
3&4-Methylphenol (m&p-Cresol)	44400	50000	ug/L	88.8	60.0 - 140	127239471
3,3'-Dichlorobenzidine	49100	50000	ug/L	98.2	18.0 - 213	127239471
Anthracene	55300	50000	ug/L	111	58.0 - 130	127239471
Benzidine	10300	50000	ug/L	20.6	20.0 - 180	127239471
Benzo(a)anthracene	51300	50000	ug/L	103	42.0 - 133	127239471
Benzo(a)pyrene	52300	50000	ug/L	105	32.0 - 148	127239471
Bis(2-chloroethyl)ether	46800	50000	ug/L	93.6	52.0 - 130	127239471
Bis(2-ethylhexyl)phthalate	54400	50000	ug/L	109	43.0 - 137	127239471
Chrysene (Benzo(a)phenanthrene)	53000	50000	ug/L	106	44.0 - 140	127239471
Di-n-butylphthalate	46800	50000	ug/L	93.6	52.0 - 130	127239471
Hexachlorobenzene	59600	50000	ug/L	119	38.0 - 142	127239471
Hexachlorobutadiene	52400	50000	ug/L	105	68.0 - 130	127239471

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Hexachlorocyclopentadiene	45100	50000	ug/L	90.2	60.0 - 140	127239471
Hexachloroethane	47600	50000	ug/L	95.2	55.0 - 130	127239471
Nitrobenzene	50300	50000	ug/L	101	54.0 - 158	127239471
n-Nitrosodiethylamine	47800	50000	ug/L	95.6	60.0 - 140	127239471
n-Nitroso-di-n-butylamine	51100	50000	ug/L	102	60.0 - 140	127239471
Pentachlorobenzene	51300	50000	ug/L	103	60.0 - 140	127239471
Pentachlorophenol	52700	50000	ug/L	105	42.0 - 152	127239471
Phenanthrene	53900	50000	ug/L	108	67.0 - 130	127239471
Pyridine	42200	50000	ug/L	84.4	60.0 - 140	127239471

DFTPP

<i>Parameter</i>		<i>RefMass</i>	<i>Reading</i>	<i>%</i>	<i>Limits%</i>	<i>File</i>
DFTPP Mass 127	629198	198	57530	55.6	40.0 - 60.0	127239470
DFTPP Mass 197	629198	198	0	0.0	0 - 1.00	127239470
DFTPP Mass 198	629198	198	103510	100.0	100 - 100	127239470
DFTPP Mass 199	629198	198	7145	6.9	5.00 - 9.00	127239470
DFTPP Mass 275	629198	198	22354	21.6	10.0 - 30.0	127239470
DFTPP Mass 365	629198	198	2254	2.2	1.00 - 100	127239470
DFTPP Mass 441	629198	443	7482	74.4	0 - 100	127239470
DFTPP Mass 442	629198	198	50906	49.2	40.0 - 100	127239470
DFTPP Mass 443	629198	442	10059	19.8	17.0 - 23.0	127239470
DFTPP Mass 51	629198	198	41957	40.5	30.0 - 60.0	127239470
DFTPP Mass 68	629198	69.0	211	0.4	0 - 2.00	127239470
DFTPP Mass 69	629198	198	48830	47.2	0 - 100	127239470
DFTPP Mass 70	629198	69.0	223	0.5	0 - 2.00	127239470

LCS Dup

Parameter	PrepSet	LCS	LCS D	Known	Limits%	LCS%	LCS D%	Units	RPD	Limit%
1,2,4,5-Tetrachlorobenzene	1156456	16.2	14.5	25.0	27.5 - 85.5	64.8	58.0	ug/L	11.1	50.0
1,2-Dichlorobenzene	1156456	14.0	13.5	25.0	23.0 - 81.8	56.0	54.0	ug/L	3.64	50.0
1,3-Dichlorobenzene	1156456	13.5	13.0	25.0	21.1 - 80.5	54.0	52.0	ug/L	3.77	50.0
1,4-Dichlorobenzene	1156456	13.7	13.3	25.0	21.4 - 76.9	54.8	53.2	ug/L	2.96	50.0
2,4,5-Trichlorophenol	1156456	20.0	18.0	25.0	51.3 - 109	80.0	72.0	ug/L	10.5	50.0
2,4-Dimethylphenol	1156456	6.53	6.28	25.0	23.0 - 120	26.1	25.1	ug/L	3.91	68.0
2-Methylphenol (o-Cresol)	1156456	13.0	12.1	25.0	38.9 - 76.1	52.0	48.4	ug/L	7.17	50.0
3&4-Methylphenol (m&p-Cresol)	1156456	11.8	10.8	25.0	33.0 - 70.4	47.2	43.2	ug/L	8.85	50.0
3,3'-Dichlorobenzidine	1156456	19.1	17.9	25.0	0.100 - 262	76.4	71.6	ug/L	6.49	108
Anthracene	1156456	21.3	19.6	25.0	27.0 - 133	85.2	78.4	ug/L	8.31	66.0
Benzidine	1156456	0.950	2.76	25.0	0.100 - 36.9	3.80	11.0	ug/L	97.3 *	90.0
Benzo(a)anthracene	1156456	21.3	19.7	25.0	33.0 - 143	85.2	78.8	ug/L	7.80	53.0
Benzo(a)pyrene	1156456	21.7	20.5	25.0	17.0 - 163	86.8	82.0	ug/L	5.69	72.0
Bis(2-chloroethyl)ether	1156456	16.6	15.7	25.0	12.0 - 158	66.4	62.8	ug/L	5.57	108
Bis(2-ethylhexyl)phthalate	1156456	20.6	18.4	25.0	8.00 - 158	82.4	73.6	ug/L	11.3	82.0
Chrysene (Benzo(a)phenanthrene)	1156456	21.8	20.4	25.0	17.0 - 168	87.2	81.6	ug/L	6.64	87.0
Di-n-butylphthalate	1156456	22.5	21.1	25.0	1.00 - 120	90.0	84.4	ug/L	6.42	47.0

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Hexachlorobenzene	1156456	18.5	16.9	25.0	0.100 - 152	74.0	67.6	ug/L	9.04	55.0
Hexachlorobutadiene	1156456	12.8	12.8	25.0	24.0 - 120	51.2	51.2	ug/L	0	62.0
Hexachlorocyclopentadiene	1156456	12.9	11.6	25.0	3.97 - 68.7	51.6	46.4	ug/L	10.6	50.0
Hexachloroethane	1156456	12.2	12.4	25.0	40.0 - 120	48.8	49.6	ug/L	1.63	52.0
Nitrobenzene	1156456	17.7	16.4	25.0	35.0 - 180	70.8	65.6	ug/L	7.62	62.0
n-Nitrosodiethylamine	1156456	16.6	16.0	25.0	48.4 - 98.5	66.4	64.0	ug/L	3.68	50.0
n-Nitroso-di-n-butylamine	1156456	18.3	17.6	25.0	18.0 - 100	73.2	70.4	ug/L	3.90	50.0
Pentachlorobenzene	1156456	19.8	18.2	25.0	39.3 - 93.7	79.2	72.8	ug/L	8.42	50.0
Pentachlorophenol	1156456	23.8	21.9	25.0	14.0 - 176	95.2	87.6	ug/L	8.32	86.0
Phenanthrene	1156456	20.8	19.5	25.0	54.0 - 120	83.2	78.0	ug/L	6.45	39.0
Pyridine	1156456	9.14	10.5	25.0	11.2 - 50.6	36.6	42.0	ug/L	13.7	50.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4,6-Tribromophenol	628758	CCV	61600	100000	ug/L	61.6	10.0 - 150	127239471
2-Fluorophenol-SURR	628758	CCV	46000	100000	ug/L	46.0	10.0 - 150	127239471
4-Terphenyl-d14-SURR	628758	CCV	57400	50000	ug/L	115	30.0 - 150	127239471
Nitrobenzene-d5-SURR	628758	CCV	49400	50000	ug/L	98.8	30.0 - 150	127239471
Phenol-d6-SURR	628758	CCV	48600	100000	ug/L	48.6	10.0 - 150	127239471
2,4,6-Tribromophenol	1156456	Blank	59.6	100	ug/L	59.6	10.0 - 150	127239472
2,4,6-Tribromophenol	1156456	LCS	78.7	100	ug/L	78.7	10.0 - 150	127239473
2,4,6-Tribromophenol	1156456	LCS Dup	76.1	100	ug/L	76.1	10.0 - 150	127239474
2-Fluorophenol-SURR	1156456	Blank	31200	100000	ug/L	31.2	10.0 - 150	127239472
2-Fluorophenol-SURR	1156456	LCS	36500	100000	ug/L	36.5	10.0 - 150	127239473
2-Fluorophenol-SURR	1156456	LCS Dup	35500	100000	ug/L	35.5	10.0 - 150	127239474
4-Terphenyl-d14-SURR	1156456	Blank	32400	50000	ug/L	64.8	30.0 - 150	127239472
4-Terphenyl-d14-SURR	1156456	LCS	35000	50000	ug/L	70.0	30.0 - 150	127239473
4-Terphenyl-d14-SURR	1156456	LCS Dup	31700	50000	ug/L	63.4	30.0 - 150	127239474
Nitrobenzene-d5-SURR	1156456	Blank	34600	50000	ug/L	69.2	30.0 - 150	127239472
Nitrobenzene-d5-SURR	1156456	LCS	32200	50000	ug/L	64.4	30.0 - 150	127239473
Nitrobenzene-d5-SURR	1156456	LCS Dup	30000	50000	ug/L	60.0	30.0 - 150	127239474
Phenol-d6-SURR	1156456	Blank	24700	100000	ug/L	24.7	10.0 - 150	127239472
Phenol-d6-SURR	1156456	LCS	26200	100000	ug/L	26.2	10.0 - 150	127239473
Phenol-d6-SURR	1156456	LCS Dup	24500	100000	ug/L	24.5	10.0 - 150	127239474
2,4,6-Tribromophenol	2372700	Unknown	57.1	99.8	ug/L	57.2	10.0 - 150	127239475
2-Fluorophenol-SURR	2372700	Unknown	31.2	99.8	ug/L	31.3	10.0 - 150	127239475
4-Terphenyl-d14-SURR	2372700	Unknown	30.6	49.9	ug/L	61.3	30.0 - 150	127239475
Nitrobenzene-d5-SURR	2372700	Unknown	30.9	49.9	ug/L	61.9	30.0 - 150	127239475
Phenol-d6-SURR	2372700	Unknown	23.1	99.8	ug/L	23.1	10.0 - 150	127239475

Analytical Set

1157973

EPA 608.3

Blank

Parameter	PrepSet	Reading	MDL	MDL	Units	File
PCB-1016	1157058	ND	0.202	0.202	ug/L	127252604
PCB-1221	1157058	ND	0.143	0.200	ug/L	127252604

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
PCB-1232	1157058	ND	0.143	0.200	ug/L	127252604
PCB-1242	1157058	ND	0.192	0.200	ug/L	127252604
PCB-1248	1157058	ND	0.143	0.200	ug/L	127252604
PCB-1254	1157058	ND	0.143	0.200	ug/L	127252604
PCB-1260	1157058	ND	0.161	0.200	ug/L	127252604
PCB-1262	1157058	ND	0.198	0.200	ug/L	127252604
PCB-1268	1157058	ND	0.143	0.200	ug/L	127252604

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
PCB-1016	852	1000	ug/L	85.2	80.0 - 115	127252603
PCB-1016	921	1000	ug/L	92.1	80.0 - 115	127252612
PCB-1016	909	1000	ug/L	90.9	80.0 - 115	127252615
PCB-1260	902	1000	ug/L	90.2	80.0 - 115	127252603
PCB-1260	1010	1000	ug/L	101	80.0 - 115	127252612
PCB-1260	981	1000	ug/L	98.1	80.0 - 115	127252615

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
PCB-1016	1157058	6.83	6.64	10.0	39.8 - 135	68.3	66.4	ug/L	2.82	30.0
PCB-1260	1157058	7.71	7.94	10.0	36.1 - 134	77.1	79.4	ug/L	2.94	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	1157058	Blank	67.5	100	ug/L	67.5	10.0 - 200	127252604
Tetrachloro-m-Xylene (Surr)	1157058	Blank	55.7	100	ug/L	55.7	10.0 - 200	127252604
Decachlorobiphenyl	2372700	Unknown	0.762	1.05	ug/L	72.6	10.0 - 200	127252613
Tetrachloro-m-Xylene (Surr)	2372700	Unknown	0.546	1.05	ug/L	52.0	10.0 - 200	127252613

Analytical Set 1158098

ASTM D7065-17

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Nonylphenol	1157307	ND	5.00	30.0	ug/L	127254827

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Nonylphenol	1157307	85.8	68.8	150	56.0 - 112	57.2	45.9 *	ug/L	21.9	30.0

Analytical Set 1158344

ASTM D7065-17

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Nonylphenol	150000	150000	ug/L	100	70.0 - 130	127260284
Nonylphenol	193000	150000	ug/L	128	70.0 - 130	127260294

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet

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IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	623252	CCV	549700	549700	274900	824600	127260284	623252
Phenanthrene-d10-ISTD	623252	CCV	858800	858800	429400	1288000	127260284	623252
Acenaphthene-d10-ISTD	626988	CCV	895500	549700	274900	824600 *	127260294	626988
Phenanthrene-d10-ISTD	626988	CCV	1368000	858800	429400	1288000 *	127260294	626988
Acenaphthene-d10-ISTD	2372700	Unknown	367900	549700	274900	824600	127260285	1157307
Phenanthrene-d10-ISTD	2372700	Unknown	595200	858800	429400	1288000	127260285	1157307

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	623252	CCV	7.512	7.512	7.452	7.572	127260284	623252
Phenanthrene-d10-ISTD	623252	CCV	8.768	8.768	8.708	8.828	127260284	623252
Acenaphthene-d10-ISTD	626988	CCV	7.518	7.512	7.452	7.572	127260294	626988
Phenanthrene-d10-ISTD	626988	CCV	8.774	8.768	8.708	8.828	127260294	626988
Acenaphthene-d10-ISTD	2372700	Unknown	7.512	7.512	7.452	7.572	127260285	1157307
Phenanthrene-d10-ISTD	2372700	Unknown	8.768	8.768	8.708	8.828	127260285	1157307

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
4-Nonylphenol-SURR	623252	CCV	27000	25000	ug/L	108	50.0 - 130	127260284
4-Nonylphenol-SURR	626988	CCV	32500	25000	ug/L	130	50.0 - 130	127260294
4-Nonylphenol-SURR	2372700	Unknown	7.46	29.0	ug/L	25.7 *	50.0 - 130	127260285

Analytical Set

1155426

SM 4500-SO₃⁻ B-2011/EPA 377.1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Sulfite, Lab	1155426	ND	2.00	2.00	mg/L	127225964

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Sulfite, Lab	2372699	ND	ND	mg/L		20.0

Analytical Set

1156448

SM 5540 C-2011

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
MBAS (Surfactant/Foaming Agents)	1156448	ND	0.200	0.200	mg/L	127218651

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
MBAS (Surfactant/Foaming Agents)	2372699	ND	ND	mg/L		20.0

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
MBAS (Surfactant/Foaming Agents)	1156448	9.77	10.0	mg/L	97.7	85.0 - 115	127218652

Analytical Set

1156463

SM 2120 B-2011

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Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
Color	1156463	ND	5.0	5.0	PtCo Units	127218940
Duplicate						
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Color	2372699	20	20	PtCo Units	0	20

Analytical Set 1156934

SM 5220 D-2011

Blank								
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>	<i>File</i>		
Chemical Oxygen Demand	1156934	ND	20.0	20.0	mg/L	127231804		
CCV								
<i>Parameter</i>		<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>	
Chemical Oxygen Demand		407	400	mg/L	102	90.0 - 110	127231805	
Duplicate								
<i>Parameter</i>	<i>Sample</i>		<i>Result</i>	<i>Unknown</i>		<i>Unit</i>	<i>RPD</i>	<i>Limit%</i>
Chemical Oxygen Demand	2372282		ND	ND		mg/L		20.0
Chemical Oxygen Demand	2372644		111	105		mg/L	5.56	20.0
LCS								
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>		<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits</i>	<i>File</i>
Chemical Oxygen Demand	1156934	204		200	mg/L	102	90.0 - 110	127231806
Mat. Spike								
<i>Parameter</i>	<i>Sample</i>	<i>Spike</i>	<i>Unknown</i>	<i>Known</i>	<i>Units</i>	<i>Recovery %</i>	<i>Limits %</i>	<i>File</i>
Chemical Oxygen Demand	2372282	220	ND	200	mg/L	110	80.0 - 120	127231809
Chemical Oxygen Demand	2372644	317	105	220	mg/L	96.4	80.0 - 120	127231821

Analytical Set 1156939

SM 4500-S2⁻ D-2011

Blank										
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>	<i>File</i>				
Sulfide	1156939	ND	0.020	0.020	mg/L	127231922				
Duplicate										
<i>Parameter</i>	<i>Sample</i>		<i>Result</i>	<i>Unknown</i>		<i>Unit</i>	<i>RPD</i>		<i>Limit%</i>	
Sulfide	2373001		ND	ND		mg/L			20.0	
LCS Dup										
<i>Parameter</i>	<i>PrepSet</i>	<i>LCS</i>	<i>LCSD</i>	<i>Known</i>	<i>Limits%</i>	<i>LCS%</i>	<i>LCSD%</i>	<i>Units</i>	<i>RPD</i>	<i>Limit%</i>
Sulfide	1156939	0.0718	0.0718	0.075	85.0 - 115	95.7	95.7	mg/L	0	20.0

Analytical Set 1157097

SM 2320 B-2011

Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Alkalinity (as CaCO ₃)	1157097	ND	1.00	1.00	mg/L	127236047
Total Alkalinity (as CaCO ₃)	1157097	ND	1.00	1.00	mg/L	127236098

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Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Alkalinity (as CaCO ₃)	27.4	25.0	mg/L	110	90.0 - 110	127236046
Total Alkalinity (as CaCO ₃)	27.4	25.0	mg/L	110	90.0 - 110	127236060
Total Alkalinity (as CaCO ₃)	25.4	25.0	mg/L	102	90.0 - 110	127236071
Total Alkalinity (as CaCO ₃)	27.4	25.0	mg/L	110	90.0 - 110	127236084
Total Alkalinity (as CaCO ₃)	25.4	25.0	mg/L	102	90.0 - 110	127236097
Total Alkalinity (as CaCO ₃)	27.4	25.0	mg/L	110	90.0 - 110	127236099

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Alkalinity (as CaCO ₃)	2372553	113	119	mg/L	5.17	20.0
Total Alkalinity (as CaCO ₃)	2372576	610	619	mg/L	1.46	20.0
Total Alkalinity (as CaCO ₃)	2372703	153	153	mg/L	0	20.0
Total Alkalinity (as CaCO ₃)	2372981	44.3	49.3	mg/L	10.7	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Alkalinity (as CaCO ₃)	24.9	25.0	mg/L	99.6	90.0 - 110	127236045

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Total Alkalinity (as CaCO ₃)	2372553	135	119	25.0	mg/L	64.0	70.0 - 130	127236050 *
Total Alkalinity (as CaCO ₃)	2372576	627	619	25.0	mg/L	32.0	70.0 - 130	127236562 *
Total Alkalinity (as CaCO ₃)	2372703	173	153	25.0	mg/L	80.0	70.0 - 130	127236074
Total Alkalinity (as CaCO ₃)	2372981	72.2	49.3	25.0	mg/L	91.6	70.0 - 130	127236087

* Out RPD is Relative Percent Difference: $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent: $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); 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 standard 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 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.); CCB - Continuing Calibration Blank; AWRL/LOQC - Ambient Water Reporting Limit/LOQ Check Std; 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.); ICV - Initial Calibration Verification; LDR - Linear Dynamic Range Standard; MRL Check - Minimum Reporting Limit Check Std; DFTPP - GC/MS Tuning Compound; 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.)

Email: Kilgore.ProjectManagement@spllabs.com



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1132433 CoC Print Group 001 of 001

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



Printed 01/08/2025 Page 1 of 2

CHAIN OF CUSTODY

Public Utilities Board
R. Capistran/J. Lechuga
1425 Robinhood Drive
Brownsville, TX 78520

PUB6-R
109

Lab Number 2372699
PO Number P2302002
Phone 956/983-6511

SRWA-Outfall 001 Permit

☐ Hand Delivered by Client to Region or LAB

Matrix: Non-Potable Water

Sample Collection Start:

Date: 1-14-25 Time: 15:50Sampler Printed Name: Frank Gamez III - SPL, Inc.

Sampler Affiliation: _____

Sampler Signature: _____

☐ Samples Radioactive?

☐ Samples Contains Dioxin?

☐ Samples Biological Hazard?

☒ NaOH to pH >9 and Zinc Acetate Polyethylene 250 mL

NELAC

S=aL

Sulfide

SM 4500-S2⁻ D-2011 (7.00 days)
☒ Amber Glass Qt w/Teflon lined lid

NELAC Short Hold

Col

Color

SM 2120 B-2011 (2.00 days)

☒ HNO3 to pH <2 Polyethylene 500 mL for Metals

NELAC

*BI

Boron

EPA 200.7.4.4 CAS:7440-42-8 (180 days)

NELAC

*CoM

Cobalt, Total

EPA 200.8.5.4 CAS:7440-48-4 (180 days)

NELAC

*FeI

Iron, Total

EPA 200.7.4.4 CAS:7439-89-6 (180 days)

NELAC

*MgI

Magnesium, Total

EPA 200.7.4.4 CAS:7439-95-4 (180 days)

NELAC

*MnM

Manganese, Total

EPA 200.8.5.4 CAS:7439-96-5 (180 days)

NELAC

*MoM

Molybdenum, Total

EPA 200.8.5.4 CAS:7439-98-7 (180 days)

NELAC

*SnI

Tin, Total

EPA 200.7.4.4 CAS:7440-31-5 (180 days)

NELAC

*SrI

Strontium

EPA 200.7, Rev. 4.4 CAS:7440-24-6 (180 days)

*TiM

Titanium

EPA 200.8.5.4 CAS:7440-32-6 (180 days)

301L

Liquid Metals Digestion

EPA 200.2.2.8 (180 days)

☒ H2SO4 to pH <2 250 ml Polyethylene


1132433 CoC Print Group 001 of 001

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Brownsville, TX 78520-
NELAC

PUB6-R
109

INNL Nitrate-Nitrite Nitrogen EPA 300.0 2.1 (28.0 days)

☒ Polyethylene 1/2 gal

NELAC Short Hold MBAS MBAS (Surfactant/Foaming Agents) SM 5540 C-2011 (2.00 days)

☒ Polyethylene Quart

NELAC IBrL Bromide EPA 300.0 2.1 (28.0 days)

☒ Polyethylene 125 mL Unpreserved

Short Hold SO3L Sulfite, Lab SM 4500-SO3²⁻-B-2011/EPA 377.1 (2.00 days)

Ambient Conditions/Comments

Date	Time	Relinquished	Received
1/4/25	17:30	Printed Name Frank Gamez III - SPL, Inc. Signature <i>[Signature]</i>	Printed Name Fedex Signature <i>[Signature]</i>
1/5/25	10:15	Printed Name Fedex Signature <i>[Signature]</i>	Printed Name Asmely Vasquez - SPL, Inc. Signature <i>[Signature]</i>
		Printed Name Signature	Printed Name Signature
		Printed Name Signature	Printed Name 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, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000323.

Comments



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

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Form rptcoc ISPL1 Created 12/13/2019 v1.6

1132433 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662
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CHAIN OF CUSTODY

Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

PUB6-R
108

Lab Number _____
PO Number P2302002
Phone 956/983-6511

SRWA Outfall 001 Permit

☐ Hand Delivered by Client to Region or LAB

Matrix: Non-Potable Water

Sample Collection Start:

Date: 1-14-25 Time: 16:00Sampler Printed Name: **Frank Gamez III - SPL, Inc.**

Sampler Affiliation: _____

Sampler Signature: _____

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

☒ **On Site Testing**

NELAC

CI20

CI2 Res., Total(Onsite)Spec Mid

SM 4500-CI G-2011

CI2 Res., Total(Onsite)Spec Mid

Collected By FG3 Date 1-14-25 Time 16:00 Analyzed By FG3 Date 1-14-25 Time 16:05Results ND Units mg/L Temp. 32.0 C Duplicate ND Units mg/L Temp. 31.8 C

R1 _____ R2 _____ QC R1 _____ QC R2 _____

CI2k Field CI2 Check for CNa

Field CI2 Check for CNa

Collected By FG3 Date 1-14-25 Time 16:00 Analyzed By FG3 Date 1-14-25 Time 16:05Results Negative Units mg/L Temp. 32.0 C Duplicate Negative Units mg/L Temp. 31.8 C

R1 _____ R2 _____ QC R1 _____ QC R2 _____

NELAC **Short Hold**

Cr6F

Hex Cr, Field Preservation

SM 3500-Cr B-2011 CAS:18540-29-9 (1.00 days)



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521 Report Page 57 of 63

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CHAIN OF CUSTODY

Public Utilities Board
R. Capistran/J. Lechuga
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Brownsville, TX 78520-

PUB6-R
108

Hex Cr, Field Preservation

Collected By FG3 Date 1-14-25 Time 16:00 Analyzed By FG3 Date 1-14-25 Time 16:02

NELAC Short Hold

DO

Dissolved Oxygen Onsite

SM 4500-O G-2016 (0.0104 days)

Dissolved Oxygen Onsite

Collected By FG3 Date 1-14-25 Time 16:00 Analyzed By FG3 Date 1-14-25 Time 16:02

Results 5.05 Units mg/L Temp. 32.0 C Duplicate 5.03 Units mg/L Temp. 31.8 C

NELAC Short Hold

pH

pH (Onsite)

SM 4500-H+ B-2011 (0.0104 days)

pH (Onsite)

Collected By FG3 Date 1-14-25 Time 16:00 Analyzed By FG3 Date 1-14-25 Time 16:03

Results 7.61 Units S.U. Temp. 32.0 C Duplicate 7.62 Units S.U. Temp. 31.8 C

S2Ck Field Sulfide Check for CNa

Field Sulfide Check for CNa

Collected By FG3 Date 1-14-25 Time 16:00 Analyzed By FG3 Date 1-14-25 Time 16:04

Results Negative Units mg/L Temp. C Duplicate Negative Units mg/L Temp. C
R1 R2 QC R1 QC R2

NELAC Short Hold

Temp

Temperature (onsite)

SM 2550 B - 2010 (0.0104 days)



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Public Utilities Board
R. Capistran/J. Lechuga
1425 Robinhood Drive
Brownsville, TX 78520

PUB6-R
108

Temperature (onsite)

Collected By FG3 Date 1-14-25 Time 16:00 Analyzed By FG3 Date 1-14-25 Time 16:02
Results 32.0 Units °C Duplicate 31.8 Units °C

☐ 1	Amber Glass Qt w/Teflon lined lid	NELAC	IPCB	Polychlorinated Biphenyls	EPA 608.3 (7.00 days)
☐ 2	Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid	NELAC Short Hold	019E	Acrylonitrile Exp.	EPA 624.1 (3.00 days)
☐ 2	H2SO4 to pH <2 GIQt w/Tef-lined lid		NYPE	Nonyl Phenol Expansion	ASTM D7065-17 (14.0 days)
☐ 2	H2SO4 to pH <2 GIQt w/Tef-lined lid	NELAC	HEM	Oil and Grease (HEM)	EPA 1664B (HEM) (28.0 days)
☐ 1	H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid	NELAC	TOCL	Total Organic Carbon	SM 5310 C-2014 (28.0 days)
☐ 1	Amber Glass Qt w/Teflon lined lid	NELAC	TEES	TEEX SVOC	EPA 625.1 (7.00 days)
☐ 1	Polyethylene 1/2 gal (White)	NELAC Short Hold	BOD	Biochemical Oxygen Demand (BOD5)	SM 5210 B-2016 CAS:1026-3 (2.04 days)
		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	NELAC Short Hold	Cr+3	Trivalent Chromium	Calculation CAS:16065-83-1 (1.00 days)
			LAB1	Labor - 1 Hour	
☐ 1	HNO3 to pH <2 Polyethylene 500 mL for Metals				



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CHAIN OF CUSTODY

Public Utilities Board
R. Capistran/J. Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-
NELAC

**PUB6-R
108**

NELAC	*AgM	Silver, Total	EPA 200.8 5.4 CAS:7440-22-4 (180 days)
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	*PI	Phosphorus	EPA 200.7 4.4 CAS:7723-14-0 (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	*TIM	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	BD3V	BND Table 3.0 VOC Expansion	EPA 624.1 (3.00 days)

2 H2SO4 to pH <2 250 ml Polyethylene

NELAC	COD	Chemical Oxygen Demand	SM 5220 D-2011 (28.0 days)
NELAC	NHaN	Ammonia Nitrogen	EPA 350.1 2 (28.0 days)
	OrgN	Nitrogen, Total Organic (as N)	EPA 351.2 minus EPA 350.1 (28.0 days)
NELAC	TKN	Total Kjeldahl Nitrogen	EPA 351.2 2 CAS:7727-37-9 (28.0 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	245I	Low Level Mercury Liquid Metals	EPA 245.7 2 (90.0 days)

2 NaOH to pH >12 Polyethylene 250 mL/amber



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CHAIN OF CUSTODY

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R. Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-
NELAC

PUB6-R
108

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	CNCI	Cyanide After Chlorination	SM 4500-CN ⁻ G-2016 (14.0 days)

☐ 1 Polyethylene Quart

NELAC	ICIL	Chloride	EPA 300.0 2.1 (28.0 days)
NELAC	IFIL	Fluoride	EPA 300.0 2.1 (28.0 days)
NELAC Short Hold	IN3L	Nitrate-Nitrogen Total	EPA 300.0 2.1 CAS:14797-55-8 (2.00 days)
NELAC	IS4L	Sulfate	EPA 300.0 2.1 (28.0 days)
NELAC	AlkT	Total Alkalinity (as CaCO ₃)	SM 2320 B-2011 (14.0 days)
NELAC	TDS	Total Dissolved Solids	SM 2540 C-2015 (7.00 days)

☐ 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
1/14/25	17:30	Printed Name: Frank Gamez III - SPL, Inc. Signature: [Signature]	Printed Name: [Signature] Signature: Fedex
1/15/25	10:15	Printed Name: [Signature] Signature: Fedex	Printed Name: Ashley Vasquez - SPL, Inc. Signature: [Signature]
		Printed Name: [Signature] Signature: [Signature]	Printed Name: [Signature] Signature: [Signature]
		Printed Name: [Signature] Signature: [Signature]	Printed Name: [Signature] Signature: [Signature]

Sample Received on Ice? ☒ Yes ☐ NoCooler/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, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000323.

Comments



1132433 CoC Print Group 001 of 001

2019-01-01 251 J15

LGQ6X

1132433 CoC Print Group 001 of 001

fedex.com 1800.GoFedEx 1800.463.3339

Part # 166297-433-ARDE SEP 05/25

4766 WED 01/16/08:24
SPL
2600 DUDLEY RD
KILGORE TX

5216330
75662-3730-00
G

PRIORITY OVERNIGHT
342-3093FL

TP: 21
101845382110007566200808631860036

ORIGIN ID: HRLA (555) 555-5555
ANA LAB / RGV
2401 VILLAGE DR STE C
BROWNSVILLE, TX 77821
UNITED STATES US

TO LOGIN
SPL
2600 DUDLEY RD
KILGORE TX 75662
(555) 555-5555
REF: 1

WED -15 JAN 10:30A
PRIORITY OVERNIGHT

TRK# 8086 3186 9036
XS GGGA

11/15 10:15 AM
Date Time Tech
Temp: 1.6 7.3 C
Therm#: 6443 Corr Fact: -0.3 C

FedEx NEW Package
Express US Airbill

1 From
Date 1-14-25
Sender's Name Roy de Leon
Company SPL
Address 2401 Village Dr
City Brownsville State TX ZIP 77821
2 Your Internal Billing Reference
3 To
Recipient's Name Login
Company SPL
Address 2600 Dudley Rd
City Kilgore State TX ZIP 75120

8086 3186 9036

fedex.com 1800.GoFedEx 1800.463.3339



January 28, 2025

Christi Parker
SPL Labs - Kilgore
2600 Dudley Rd
Kilgore, TX 75662
TEL: (903) 984-0551
FAX:
RE: 2372700

Order No.: 2501187

Dear Christi Parker:

DHL Analytical, Inc. received 1 sample on 01/17/2025 for the analyses presented in the following report.

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

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

Sincerely,

A handwritten signature in black ink that reads "Karyn Lane".

Karyn Lane
Laboratory Manager

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



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TOCd SUBs 1/16/25

SAMPLE ID DATE TAKEN TIME TAKEN

2372448	1/7/2025	11:00:00	TOCd
2372460	1/6/2025	11:45:00	TOCd
2372461	1/6/2025	10:00:00	TOCd
2372462	1/6/2025	7:45:00	TOCd
2372463	1/6/2025	6:00:00	TOCd
2372464	1/6/2025	6:30:00	TOCd
2372471	1/2/2025	8:45:00	TOCd
2372486	1/14/2025	8:00:00	TOCd
2372600	1/14/2025	8:34:00	TOCd
2372700	1/14/2025	16:00:00	TOCd

01

RELENGISHED BY:

SIGNATURE

DATE/TIME

Rec'd FedEx 1-16-25
 Relinquishd: FedEx 1-17-25 0956

RECEIVED BY:

SIGNATURE

DATE/TIME

PLEASE SEND SEPARATE REPORT FORE EACH SAMPLE

Temp: 2.6°C Therm: 28
 No Custody Bags
 Via FedEx

IN ID: 666A (909) 984-0551
GRIBBLE
LAB CORPORATION
DUDLEY RD

ORE, TX 75862

UNITED STATES US

SHIP DATE: 16 JAN 25
ACTWGT: 44.00 LB MAN
CAD: 0949542/CAFE3855
DIMS: 26x16x16 IN

BILL SENDER

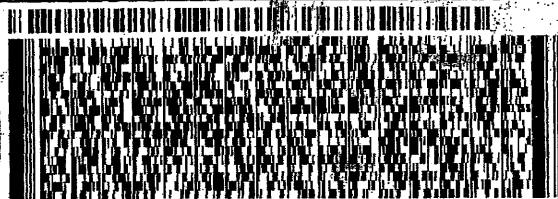
TO **SUBCONTRACT SAMPLES**
DHL1
2300 DOUBLE CREEK DR

ROUND ROCK TX 78664

(512) 398-8222

INVT
POST

DEPT



FedEx
Express



J2480240704014

TRK# 4131 9516 7165
0201

FRI - 17 JAN 12:00P
PRIORITY OVERNIGHT

XS BSMA

78664
TX-US AUS



Post # 158148-433 MTW EXP 05/24

Sample Receipt Checklist

Client Name: SPL Labs - Kilgore

Date Received: 1/17/2025

Work Order Number: 2501187

Received by: JMW

Checklist completed by: [Signature] 1/20/2025
Signature Date

Reviewed by: [Signature] 1/20/2025
Initials Date

Carrier name: FedEx 1day

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

Cooler # 1
Temp °C 2.6
Seal Intact NP

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

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

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action: _____

CLIENT: SPL Labs - Kilgore
Project: 2372700
Lab Order: 2501187

CASE NARRATIVE

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

TOC analysis by method M5310C.

For TOC analysis the sample was diluted prior to analysis due to the nature of the sample (foamy).

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives except where noted in the following. For TOC analysis by method M5310C the matrix spike and matrix spike duplicate recoveries were slightly above control limits. This was due to matrix effect. These are flagged accordingly in the enclosed QC summary report. The "S" flag denotes spike recovery was outside control limits. The LCS was within control limits. No further corrective actions were taken.

CLIENT: SPL Labs - Kilgore
Project: 2372700
Lab Order: 2501187

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2501187-01	2372700		01/14/25 04:00 PM	01/17/2025

DHL Analytical, Inc.**Date:** 28-Jan-25

CLIENT: SPL Labs - Kilgore
Project: 2372700
Project No:
Lab Order: 2501187

Client Sample ID: 2372700
Lab ID: 2501187-01
Collection Date: 01/14/25 04:00 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TOTAL ORGANIC CARBON		M5310C					Analyst: SMA
Total Organic Carbon	<30.0	30.0	100		mg/L	100	01/27/25 12:28 PM

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

CLIENT: SPL Labs - Kilgore
 Work Order: 2501187
 Project: 2372700

ANALYTICAL QC SUMMARY REPORT

RunID: TOC_250127A

The QC data in batch 118815 applies to the following samples: 2501187-01A

Sample ID: MB-118815	Batch ID: 118815	TestNo: M5310C	Units: mg/L							
SampType: MBLK	Run ID: TOC_250127A	Analysis Date: 1/27/2025 10:41:00 AM	Prep Date: 1/27/2025							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Organic Carbon	<0.300	1.00								

Sample ID: LCS-118815	Batch ID: 118815	TestNo: M5310C	Units: mg/L							
SampType: LCS	Run ID: TOC_250127A	Analysis Date: 1/27/2025 11:05:00 AM	Prep Date: 1/27/2025							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Organic Carbon	9.73	1.00	10.00	0	97.3	90	110			

Sample ID: LCSD-118815	Batch ID: 118815	TestNo: M5310C	Units: mg/L							
SampType: LCSD	Run ID: TOC_250127A	Analysis Date: 1/27/2025 11:28:00 AM	Prep Date: 1/27/2025							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Organic Carbon	9.70	1.00	10.00	0	97.0	90	110	0.322	15	

Sample ID: 2501209-01AMS	Batch ID: 118815	TestNo: M5310C	Units: mg/L							
SampType: MS	Run ID: TOC_250127A	Analysis Date: 1/27/2025 8:27:00 PM	Prep Date: 1/27/2025							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Organic Carbon	17.7	1.00	10.00	5.908	118	85	115			S

Sample ID: 2501209-01AMSD	Batch ID: 118815	TestNo: M5310C	Units: mg/L							
SampType: MSD	Run ID: TOC_250127A	Analysis Date: 1/27/2025 8:52:00 PM	Prep Date: 1/27/2025							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Organic Carbon	18.4	1.00	10.00	5.908	124	85	115	3.64	15	S

Qualifiers:

B Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

J Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits

S Spike Recovery outside control limits

N Parameter not NELAP certified

Project
1133639

PUB6-R

Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

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17:17

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Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
Bottle 02 Polyethylene Quart
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 10 Glass /clean metals w/HCl
Bottle 11 16 oz HNO3 Metals Plastic
Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 15 8 oz Plastic H2SO4 pH < 2
Bottle 16 8 oz Plastic H2SO4 pH < 2
Bottle 17 Cr+6 Preserved 250 Polyethylene
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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
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Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
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Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 608.3	35	1158311	01/29/2025	1158796	01/31/2025

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Public Utilities Board
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 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

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 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	1158084	01/27/2025	1158084	01/27/2025

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Public Utilities Board
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 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

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 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	1157928	01/24/2025	1157928	01/24/2025

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Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

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 Bottle 10 Glass /clean metals w/HCl
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 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
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 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 624.1	22	1157825	01/24/2025	1157825	01/24/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
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 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
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 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 625.1	31	1157914	01/27/2025	1158675	01/29/2025

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Public Utilities Board
 R.Capistran/J Lechuga
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Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

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 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 624.1	20	1157826	01/24/2025	1157826	01/24/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
ASTM D7065-11	38	1159778	02/06/2025	1160481	02/11/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.8 5.4	33	1158195	01/29/2025	1158416	01/29/2025

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Public Utilities Board
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 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	37	1158736	01/31/2025	1158758	01/31/2025

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Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
Bottle 02 Polyethylene Quart
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 10 Glass /clean metals w/HCl
Bottle 11 16 oz HNO3 Metals Plastic
Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 15 8 oz Plastic H2SO4 pH < 2
Bottle 16 8 oz Plastic H2SO4 pH < 2
Bottle 17 Cr+6 Preserved 250 Polyethylene
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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.7 4.4	33	1158195	01/29/2025	1158279	01/29/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 2320 B-2011	01	1158074	01/28/2025	1158074	01/28/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1157758	01/30/2025	1157758	01/30/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016 (TCMP Inhibitor)	01	1157759	01/30/2025	1157759	01/30/2025

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Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
Bottle 02 Polyethylene Quart
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 10 Glass /clean metals w/HCl
Bottle 11 16 oz HNO3 Metals Plastic
Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 15 8 oz Plastic H2SO4 pH < 2
Bottle 16 8 oz Plastic H2SO4 pH < 2
Bottle 17 Cr+6 Preserved 250 Polyethylene
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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN ⁻ G-2016			01/29/2025		01/29/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN ⁻ G-2016	34	1158209	01/29/2025	1158306	01/29/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN ⁻ E-2016	32	1157919	01/27/2025	1158300	01/29/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5220 D-2011	15	1158292	01/29/2025	1158292	01/29/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-Cl G-2011		1157702	01/23/2025	1157702	01/23/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
Calculation			01/30/2025		01/30/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 3500-Cr B-2011	17	1158305	01/28/2025	1158305	01/28/2025

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 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 3500-Cr B-2011		1157704	01/23/2025	1157704	01/23/2025

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Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
Bottle 02 Polyethylene Quart
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 10 Glass /clean metals w/HCl
Bottle 11 16 oz HNO3 Metals Plastic
Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 15 8 oz Plastic H2SO4 pH < 2
Bottle 16 8 oz Plastic H2SO4 pH < 2
Bottle 17 Cr+6 Preserved 250 Polyethylene
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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-O G-2016		1157705	01/23/2025	1157705	01/23/2025

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 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 350.1 2	30	1157811	01/27/2025	1158170	01/28/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 351.2 minus EPA 350.1			01/29/2025		01/29/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 2540 C-2015	02	1158325	01/28/2025	1158325	01/28/2025

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 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 351.2 2	36	1158429	01/30/2025	1158956	02/03/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5310 C-2014			02/03/2025		02/03/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 2540 D-2015	01	1158199	01/28/2025	1158199	01/28/2025

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Public Utilities Board
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Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
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 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
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 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 2550 B - 2010		1157708	01/23/2025	1157708	01/23/2025

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Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
Bottle 02 Polyethylene Quart
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 10 Glass /clean metals w/HCl
Bottle 11 16 oz HNO3 Metals Plastic
Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 15 8 oz Plastic H2SO4 pH < 2
Bottle 16 8 oz Plastic H2SO4 pH < 2
Bottle 17 Cr+6 Preserved 250 Polyethylene
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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 1664B	06	1159048	02/04/2025	1159048	02/04/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2375644	SRWA Outfall 001 Permit	01/23/2025	15:45:00	01/24/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 13 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 14 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 15 8 oz Plastic H2SO4 pH < 2
 Bottle 16 8 oz Plastic H2SO4 pH < 2
 Bottle 17 Cr+6 Preserved 250 Polyethylene
 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 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 22 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 23 BOD Titration Beaker A (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1157759) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1157758) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1157778) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 30 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1157811) Volume: 6.00000 mL <== Derived from 15 (6 ml)
 Bottle 31 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157914) Volume: 1.00000 mL <== Derived from 03 (998 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1157919) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1158195) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 34 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158209) Volume: 10.00000 mL <== Derived from 14 (5 ml)
 Bottle 35 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158311) Volume: 10.00000 mL <== Derived from 04 (1005 ml)
 Bottle 36 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158429) Volume: 20.00000 mL <== Derived from 15 (20 ml)
 Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 09 (822 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-H+ B-2011		1157707	01/23/2025	1157707	01/23/2025

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Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project
1133639

Printed: 02/12/2025

RESULTS

Sample Results

2375644 SRWA Outfall 001 Permit

Received: 01/24/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500708

Taken: 01/23/2025

15:45:00

Prepared: 1157703 01/23/2025 15:50:00 Analyzed 1157703 01/23/2025 15:50:00 FG3

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

Prepared: 1157706 01/23/2025 15:46:00 Analyzed 1157706 01/23/2025 15:46:00 FG3

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

ASTM D7065-11

Prepared: 1159778 02/06/2025 15:00:00 Analyzed 1160481 02/11/2025 21:50:00 DWL

Parameter	Results	Units	RL	Flags	CAS	Bottle
Nonylphenol	<36.5	ug/L	36.5	S	25154-52-3	38

Calculation

Prepared: 01/30/2025 10:42:55 Calculated 01/30/2025 10:42:55 CAL

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

EPA 1664B

Prepared: 1159048 02/04/2025 11:00:00 Analyzed 1159048 02/04/2025 11:00:00 RC1

Parameter	Results	Units	RL	Flags	CAS	Bottle
Oil and Grease (HEM)	<4.72	mg/L	4.72			06

EPA 200.7 4.4

Prepared: 1158195 01/29/2025 07:30:00 Analyzed 1158279 01/29/2025 11:11:00 CAS

Parameter	Results	Units	RL	Flags	CAS	Bottle
Phosphorus	0.488	mg/L	0.040		7723-14-0	33

EPA 200.8 5.4

Prepared: 1158195 01/29/2025 07:30:00 Analyzed 1158416 01/29/2025 18:05:00 ESG

Parameter	Results	Units	RL	Flags	CAS	Bottle



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Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

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Printed: 02/12/2025

2375644 SRWA Outfall 001 Permit

Received: 01/24/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500708

Taken: 01/23/2025

15:45:00

EPA 200.8 5.4 Prepared: 1158195 01/29/2025 07:30:00 Analyzed 1158416 01/29/2025 18:05:00 ESG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Aluminum, Total	0.00558	mg/L	0.005		7429-90-5	33
NELAC	Antimony, Total	<0.003	mg/L	0.003		7440-36-0	33
NELAC	Arsenic, Total	0.0276	mg/L	0.001		7440-38-2	33
NELAC	Barium, Total	0.0499	mg/L	0.005		7440-39-3	33
NELAC	Beryllium, Total	<0.000162	mg/L	0.000162		7440-41-7	33
NELAC	Cadmium, Total	<0.001	mg/L	0.001		7440-43-9	33
NELAC	Chromium, Total	<0.001	mg/L	0.001		7440-47-3	33
NELAC	Copper, Total	0.00532	mg/L	0.001		7440-50-8	33
NELAC	Lead, Total	<0.0005	mg/L	0.0005		7439-92-1	33
NELAC	Nickel, Total	0.00327	mg/L	0.001		7440-02-0	33
NELAC	Selenium, Total	0.0157	mg/L	0.005		7782-49-2	33
NELAC	Silver, Total	<0.000276	mg/L	0.000276		7440-22-4	33
NELAC	Thallium, Total	<0.000966	mg/L	0.000966		7440-28-0	33
NELAC	Zinc, Total	0.0071	mg/L	0.001		7440-66-6	33

EPA 245.7 2 Prepared: 1158736 01/31/2025 12:30:00 Analyzed 1158758 01/31/2025 15:08:00 MPI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Mercury, Total (low level)	<4.26	ng/L	4.26		7439-97-6	37

EPA 300.0 2.1 Prepared: 1157928 01/24/2025 16:03:00 Analyzed 1157928 01/24/2025 16:03:00 KLB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Fluoride	0.6	mg/L	0.5			01
NELAC	Nitrate-Nitrogen Total	<0.1	mg/L	0.1		14797-55-8	01

EPA 300.0 2.1 Prepared: 1158084 01/27/2025 21:59:00 Analyzed 1158084 01/27/2025 21:59:00 KLB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Chloride	2660	mg/L	300			01
NELAC	Sulfate	4000	mg/L	300			01

EPA 350.1 2 Prepared: 1157811 01/27/2025 08:06:20 Analyzed 1158170 01/28/2025 15:23:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Ammonia Nitrogen	2.37	mg/L	0.020			30



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Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project
1133639

Printed: 02/12/2025

2375644 SRWA Outfall 001 Permit

Received: 01/24/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500708

Taken: 01/23/2025

15:45:00

EPA 351.2 2 Prepared: 1158429 01/30/2025 09:51:45 Analyzed 1158956 02/03/2025 12:39:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Kjeldahl Nitrogen	3.12	mg/L	0.050		7727-37-9	36

EPA 351.2 minus EPA 350.1 Prepared: 01/29/2025 12:06:31 Calculated 01/29/2025 12:06:31 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Nitrogen, Total Organic (as N)	15.43	mg/L	0.250			

EPA 608.3 Prepared: 1158311 01/29/2025 13:30:00 Analyzed 1158796 01/31/2025 05:46:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	PCB-1016	<0.200	ug/L	0.200	X	12674-11-2	35
NELAC	PCB-1221	<0.199	ug/L	0.199		11104-28-2	35
NELAC	PCB-1232	<0.199	ug/L	0.199		11141-16-5	35
NELAC	PCB-1242	<0.199	ug/L	0.199		53469-21-9	35
NELAC	PCB-1248	<0.199	ug/L	0.199		12672-29-6	35
NELAC	PCB-1254	<0.199	ug/L	0.199		11097-69-1	35
NELAC	PCB-1260	<0.199	ug/L	0.199		11096-82-5	35
NELAC	PCB-1262	<0.199	ug/L	0.199		37324-23-5	35
NELAC	PCB-1268	<0.199	ug/L	0.199		11100-14-4	35

EPA 624.1 Prepared: 1157825 01/24/2025 16:48:00 Analyzed 1157825 01/24/2025 16:48:00 MRI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Acrylonitrile	<2.00	ug/L	2.00		107-13-1	22

EPA 624.1 Prepared: 1157826 01/24/2025 17:10:00 Analyzed 1157826 01/24/2025 17:10:00 MRI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,1,1-Trichloroethane	<1.00	ug/L	1.00		71-55-6	20
NELAC	1,1,2,2-Tetrachloroethane	<2.00	ug/L	2.00		79-34-5	20
NELAC	1,1,2-Trichloroethane	<2.00	ug/L	2.00		79-00-5	20
NELAC	1,1-Dichloroethylene	<1.00	ug/L	1.00		75-35-4	20
NELAC	1,2-Dibromoethane (EDB)	<1.00	ug/L	1.00		106-93-4	20
NELAC	1,2-Dichloroethane	<1.00	ug/L	1.00		107-06-2	20
NELAC	1,2-Dichloropropane	<1.01	ug/L	1.01		78-87-5	20
NELAC	Benzene	<1.00	ug/L	1.00		71-43-2	20



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PO:

P2500708

Taken: 01/23/2025

15:45:00

EPA 624.1 Prepared: 1157826 01/24/2025 17:10:00 Analyzed 1157826 01/24/2025 17:10:00 MRI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Bromodichloromethane	<1.00	ug/L	1.00		75-27-4	20
NELAC	Bromoform	<2.00	ug/L	2.00		75-25-2	20
NELAC	Carbon Tetrachloride	<1.00	ug/L	1.00		56-23-5	20
NELAC	Chlorobenzene	<1.00	ug/L	1.00		108-90-7	20
NELAC	Chloroform	<1.00	ug/L	1.00		67-66-3	20
NELAC	cis-1,3-Dichloropropene	<1.00	ug/L	1.00		10061-01-5	20
NELAC	Dibromochloromethane	<1.00	ug/L	1.00		124-48-1	20
NELAC	Dichloromethane	<2.00	ug/L	2.00		75-09-2	20
NELAC	Ethylbenzene	<1.00	ug/L	1.00		100-41-4	20
NELAC	m-Dichlorobenzene (1,3-DCB)	<1.00	ug/L	1.00		541-73-1	20
NELAC	Methyl ethyl ketone (Butanone)	<10.0	ug/L	10.0		78-93-3	20
NELAC	o-Dichlorobenzene (1,2-DCB)	<1.00	ug/L	1.00		95-50-1	20
NELAC	p-Dichlorobenzene (1,4-DCB)	<1.00	ug/L	1.00		106-46-7	20
NELAC	Tetrachloroethylene	<1.00	ug/L	1.00		127-18-4	20
NELAC	Toluene	<1.00	ug/L	1.00		108-88-3	20
NELAC	trans-1,3-Dichloropropene	<1.00	ug/L	1.00		10061-02-6	20
NELAC	Trichloroethylene	<1.00	ug/L	1.00		79-01-6	20
NELAC	Vinyl chloride	<1.04	ug/L	1.04		75-01-4	20

EPA 624.1 Prepared: 1157826 01/28/2025 14:54:37 Calculated 1157826 01/28/2025 14:54:37 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Trihalomethanes	<0.002	mg/L	0.002			20

EPA 625.1 Prepared: 1157914 01/27/2025 13:55:00 Analyzed 1158675 01/29/2025 23:44:00 PMI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,2,4,5-Tetrachlorobenzene	<1.00	ug/L	1.00		95-94-3	31
NELAC	1,2-Dichlorobenzene	<1.00	ug/L	1.00		95-50-1	31
NELAC	1,3-Dichlorobenzene	<1.00	ug/L	1.00		541-73-1	31
NELAC	1,4-Dichlorobenzene	<1.00	ug/L	1.00		106-46-7	31
NELAC	2,4,5-Trichlorophenol	<1.00	ug/L	1.00		95-95-4	31
NELAC	2,4-Dimethylphenol	<2.40	ug/L	2.40	S	105-67-9	31
NELAC	2-Methylphenol (o-Cresol)	<5.21	ug/L	5.21		95-48-7	31
NELAC	3&4-Methylphenol (m&p-Cresol)	<6.21	ug/L	6.21		MEPH34	31
NELAC	3,3'-Dichlorobenzidine	<5.00	ug/L	5.00		91-94-1	31



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2375644 SRWA Outfall 001 Permit

Received: 01/24/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500708

Taken: 01/23/2025

15:45:00

EPA 625.1 Prepared: 1157914 01/27/2025 13:55:00 Analyzed 1158675 01/29/2025 23:44:00 PMI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Anthracene	<1.00	ug/L	1.00		120-12-7	31
NELAC	Benidine	<20.0	ug/L	20.0		92-87-5	31
NELAC	Benzo(a)anthracene	<1.00	ug/L	1.00		56-55-3	31
NELAC	Benzo(a)pyrene	<1.00	ug/L	1.00		50-32-8	31
NELAC	Bis(2-chloroethyl)ether	<1.00	ug/L	1.00		111-44-4	31
NELAC	Bis(2-ethylhexyl)phthalate	<7.52	ug/L	7.52		117-81-7	31
NELAC	Chrysene (Benzo(a)phenanthrene)	<1.00	ug/L	1.00		218-01-9	31
NELAC	Di-n-butylphthalate	<7.52	ug/L	7.52		84-74-2	31
NELAC	Hexachlorobenzene	<1.00	ug/L	1.00		118-74-1	31
NELAC	Hexachlorobutadiene	<1.00	ug/L	1.00		87-68-3	31
NELAC	Hexachlorocyclopentadiene	<9.02	ug/L	9.02		77-47-4	31
NELAC	Hexachloroethane	<1.00	ug/L	1.00		67-72-1	31
NELAC	Nitrobenzene	<1.00	ug/L	1.00		98-95-3	31
NELAC	n-Nitrosodiethylamine	<1.00	ug/L	1.00		55-18-5	31
NELAC	n-Nitroso-di-n-butylamine	<1.00	ug/L	1.00		924-16-3	31
NELAC	Pentachlorobenzene	<1.00	ug/L	1.00		608-93-5	31
NELAC	Pentachlorophenol	<1.00	ug/L	1.00		87-86-5	31
NELAC	Phenanthrene	<1.00	ug/L	1.00		85-01-8	31
NELAC	Pyridine	<5.41	ug/L	5.41		110-86-1	31

EPA 625.1 Prepared: 1157914 01/27/2025 13:55:00 Calculated 1158675 02/04/2025 10:54:54 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cresols Total	<6.21	ug/L	6.21		1319-77-3, etc.	31

SM 2320 B-2011 Prepared: 1158074 01/28/2025 07:00:00 Analyzed 1158074 01/28/2025 07:00:00 TRC

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Alkalinity (as CaCO3)	1250	mg/L	1.00			01

SM 2540 C-2015 Prepared: 1158325 01/28/2025 10:20:00 Analyzed 1158325 01/28/2025 10:20:00 JMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Dissolved Solids	12200	mg/L	100			02



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R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

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1133639

Printed: 02/12/2025

2375644 SRWA Outfall 001 Permit

Received: 01/24/2025

Non-Potable Water

Collected by: FG3
Taken: 01/23/2025

SPL Kilgore
15:45:00

PO: P2500708

SM 2540 D-2015 Prepared: 1158199 01/28/2025 13:05:00 Analyzed 1158199 01/28/2025 13:05:00 BEK

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Suspended Solids	<2.00	mg/L	2.00			01

SM 2550 B - 2010 Prepared: 1157708 01/23/2025 15:48:00 Analyzed 1157708 01/23/2025 15:48:00 FG3

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Temperature (onsite)	23	Degrees C	1			

SM 3500-Cr B-2011 Prepared: 1157704 01/23/2025 15:48:00 Analyzed 1157704 01/23/2025 15:48:00 FG3

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hex Cr, Field Preservation	PRESERVED	ug/L	3		18540-29-9	

SM 3500-Cr B-2011 Prepared: 1158305 01/28/2025 13:30:00 Analyzed 1158305 01/28/2025 13:30:00 NCB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hexavalent Chromium	<3.00	ug/L	3.00		18540-29-9	17

SM 4500-Cl G-2011 Prepared: 1157702 01/23/2025 15:50:00 Analyzed 1157702 01/23/2025 15:50:00 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-CN⁻ E-2016 Prepared: 1157919 01/27/2025 14:08:55 Analyzed 1158300 01/29/2025 09:30:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cyanide, total	<0.005	mg/L	0.005			32

SM 4500-CN⁻ G-2016 Prepared: 01/29/2025 15:07:03 Calculated 01/29/2025 15:07:03 CAL

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

SM 4500-CN⁻ G-2016 Prepared: 1158209 01/29/2025 09:02:29 Analyzed 1158306 01/29/2025 09:30:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle



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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Project
1133639

Printed: 02/12/2025

2375644 SRWA Outfall 001 Permit

Received: 01/24/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500708

Taken: 01/23/2025

15:45:00

SM 4500-CN⁻ G-2016 Prepared: 1158209 01/29/2025 09:02:29 Analyzed 1158306 01/29/2025 09:30:00 AMB

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Cyanide After Chlorination	<0.005	mg/L	0.005			34

SM 4500-H+ B-2011 Prepared: 1157707 01/23/2025 15:47:00 Analyzed 1157707 01/23/2025 15:47:00 FG3

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC pH (Onsite)	7.5	SU				

SM 4500-O G-2016 Prepared: 1157705 01/23/2025 15:48:00 Analyzed 1157705 01/23/2025 15:48:00 FG3

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Dissolved Oxygen Onsite	5.0	mg/L	1.0			

SM 5210 B-2016 Prepared: 1157758 01/25/2025 Analyzed 1157758 01/30/2025 13:10:49 JW1

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Biochemical Oxygen Demand (BOD5)	6.07	mg/L	2.00	BX	1026-3	01

SM 5210 B-2016 (TCMP Inhibitor) Prepared: 1157759 01/25/2025 Analyzed 1157759 01/30/2025 12:54:53 JW1

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC BOD Carbonaceous	2.15	mg/L	2.00	BX		01

SM 5220 D-2011 Prepared: 1158292 01/29/2025 07:20:00 Analyzed 1158292 01/29/2025 07:20:00 PNR

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Chemical Oxygen Demand	22.4	mg/L	22.0			15

SM 5310 C-2014 Prepared: 02/03/2025 14:02:00 Analyzed 02/03/2025 14:02:00 SUB

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC TOC SUB	6.47	mg/L		J	DHL1	

Sample Preparation



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Public Utilities Board
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2375644 SRWA Outfall 001 Permit

Received: 01/24/2025

P2500708

01/23/2025

		Prepared:	01/24/2025	14:31:32	Calculated	01/24/2025	14:31:32	CAL		
z	Labor - 1 Hour	Verified								
		Prepared:	02/12/2025	17:04:00	Analyzed	02/12/2025	17:04:00	WJP		
z	Check Limits	Completed								
	ASTM D7065-17	Prepared:	1159778	02/06/2025	15:00:00	Analyzed	1160481	02/11/2025	21:50:00	DWL
z	Nonyl Phenol Expansion	Entered								38
	EPA 200.2 2.8	Prepared:	1158195	01/29/2025	07:30:00	Analyzed	1158195	01/29/2025	07:30:00	HLT
z	Liquid Metals Digestion	50/50	ml							11
	EPA 245.7 2	Prepared:	1158736	01/31/2025	12:30:00	Analyzed	1158736	01/31/2025	12:30:00	MP1
NELAC	Low Level Mercury Liquid Metals	50/47	ml							10
	EPA 350.1, Rev. 2.0	Prepared:	1157811	01/27/2025	08:06:20	Analyzed	1157811	01/27/2025	08:06:20	AMB
NELAC	Ammonia Distillation	6/6	ml							15
	EPA 351.2, Rev 2.0	Prepared:	1157778	01/27/2025	06:07:43	Analyzed	1157778	01/27/2025	06:07:43	AMB
NELAC	TKN Block Digestion	20/20	ml							15
	EPA 351.2, Rev 2.0	Prepared:	1158429	01/30/2025	09:51:45	Analyzed	1158429	01/30/2025	09:51:45	MEG
NELAC	TKN Block Digestion	20/20	ml							15



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01/23/2025

EPA 608.3		Prepared: 1158311	01/29/2025	13:30:00	Analyzed 1158311	01/29/2025	13:30:00	MCC
PCB Liq-Liq Extr. W/Hex Exch.		10/1005	ml		04			
EPA 608.3		Prepared: 1158311	01/29/2025	13:30:00	Analyzed 1158796	01/31/2025	05:46:00	KAP
NELAC	Polychlorinated Biphenyls	Entered		35				
EPA 624.1		Prepared: 1157825	01/24/2025	16:48:00	Analyzed 1157825	01/24/2025	16:48:00	MR1
NELAC	Acrylonitrile Exp.	Entered		22				
EPA 624.1		Prepared: 1157826	01/24/2025	17:10:00	Analyzed 1157826	01/24/2025	17:10:00	MR1
z	BND Table 3.0 VOC Expansion	Entered		20				
EPA 625.1		Prepared: 1157914	01/27/2025	13:55:00	Analyzed 1157914	01/27/2025	13:55:00	CRS
Liquid-Liquid Extraction, BNA		1/998	ml		03			
EPA 625.1		Prepared: 1157914	01/27/2025	13:55:00	Analyzed 1158675	01/29/2025	23:44:00	PM1
NELAC	TEEX SVOC	Entered		31				
EPA 625.1		Prepared: 1159778	02/06/2025	15:00:00	Analyzed 1159778	02/06/2025	15:00:00	CRS
Nonylphenol Liq-Liq Extract		1/822	ml		09			
SM 2540 C-2015		Prepared: 1158038	01/28/2025	10:20:00	Analyzed 1158038	01/28/2025	10:20:00	JMB
NELAC	Total Dissolved Solids Started	Started						



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Public Utilities Board
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Received: 01/24/2025
P2500708

01/23/2025

SM 2540 D-2011 Prepared: 1157248 01/28/2025 13:05:00 Analyzed 1157248 01/28/2025 13:05:00 BEK

NELAC TSS Set Started

Started

SM 4500-CN⁻C-2016 Prepared: 1157919 01/27/2025 14:08:55 Analyzed 1157919 01/27/2025 14:08:55 AMB

NELAC Cyanide Distillation

10/5 ml

14

SM 4500-CN⁻C-2016 Prepared: 1158209 01/29/2025 09:02:29 Analyzed 1158209 01/29/2025 09:02:29 MEG

NELAC CN Dist After Chlorination

10/5 ml

14

SM 5210 B-2016 Prepared: 1157758 01/25/2025 Analyzed 1157758 01/25/2025 06:31:55 JWI

NELAC BOD Set Started

Started

SM 5210 B-2016 (TCMP Inhibitor) Prepared: 1157759 01/25/2025 Analyzed 1157759 01/25/2025 06:31:55 JWI

NELAC BODc Set Started

Started



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Printed: 02/12/2025

Qualifiers:

J - Analyte detected below quantitation limit
X - Standard reads higher than desired.

B - Analyte detected in the associated method blank
S - Standard reads lower than desired

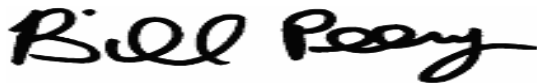
We report results on an As Received (or Wet) basis unless marked Dry Weight.

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, MS, VP Technical Services



QUALITY CONTROL



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Public Utilities Board
R. Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project
1133639

Printed 02/12/2025

Analytical Set **1157758**

SM 5210 B-2016

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1157758	1	0.200	0.500	mg/L	* 127248172
Biochemical Oxygen Demand (BOD5)	1157758	0.8	0.200	0.500	mg/L	* 127248222

Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Biochemical Oxygen Demand (BOD5)	2375483	193	176	mg/L	9.21	30.0
Biochemical Oxygen Demand (BOD5)	2375644	7.15	6.07	mg/L	16.3	30.0
Biochemical Oxygen Demand (BOD5)	2375840	7.25	7.37	mg/L	1.64	30.0
Biochemical Oxygen Demand (BOD5)	2375869	161	141	mg/L	13.2	30.0

Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1157758	0.923	0.200	0.500	mg/L	127248174
Biochemical Oxygen Demand (BOD5)	1157758	0.777	0.200	0.500	mg/L	127248224

Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)		237	198	mg/L	120	83.7 - 116	* 127248175
Biochemical Oxygen Demand (BOD5)		261	198	mg/L	132	83.7 - 116	* 127248225

Analytical Set **1157759**

SM 5210 B-2016 (TCMP Inhibitor)

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
BOD Carbonaceous	1157759	0.9	0.200	0.500	mg/L	* 127248238

Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
BOD Carbonaceous	2375484	20.0	21.1	mg/L	5.35	30.0
BOD Carbonaceous	2375799	10.7	9.71	mg/L	9.70	30.0

Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
BOD Carbonaceous	1157759	0.953	0.200	0.500	mg/L	127248240

Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
BOD Carbonaceous		253	198	mg/L	128	83.7 - 116	* 127248241

Analytical Set **1158170**

EPA 350.1 2

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Ammonia Nitrogen	1157811	ND	0.00336	0.020	mg/L	127256199

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>

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PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project
1133639

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Ammonia Nitrogen	2.17	2.00	mg/L	108	90.0 - 110	127256097
Ammonia Nitrogen	2.01	2.00	mg/L	100	90.0 - 110	127256106
Ammonia Nitrogen	2.20	2.00	mg/L	110	90.0 - 110	127256115
Ammonia Nitrogen	1.95	2.00	mg/L	97.5	90.0 - 110	127256126
Ammonia Nitrogen	1.89	2.00	mg/L	94.5	90.0 - 110	127256137
Ammonia Nitrogen	1.90	2.00	mg/L	95.0	90.0 - 110	127256146
Ammonia Nitrogen	1.94	2.00	mg/L	97.0	90.0 - 110	127256157
Ammonia Nitrogen	1.91	2.00	mg/L	95.5	90.0 - 110	127256168
Ammonia Nitrogen	1.90	2.00	mg/L	95.0	90.0 - 110	127256176
Ammonia Nitrogen	1.98	2.00	mg/L	99.0	90.0 - 110	127256186
Ammonia Nitrogen	1.94	2.00	mg/L	97.0	90.0 - 110	127256192
Ammonia Nitrogen	1.91	2.00	mg/L	95.5	90.0 - 110	127256203
Ammonia Nitrogen	1.98	2.00	mg/L	99.0	90.0 - 110	127256213
Ammonia Nitrogen	2.00	2.00	mg/L	100	90.0 - 110	127256219
Ammonia Nitrogen	1.95	2.00	mg/L	97.5	90.0 - 110	127256230
Ammonia Nitrogen	1.96	2.00	mg/L	98.0	90.0 - 110	127256239
Ammonia Nitrogen	2.03	2.00	mg/L	102	90.0 - 110	127256247
Ammonia Nitrogen	1.98	2.00	mg/L	99.0	90.0 - 110	127256248

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Ammonia Nitrogen	2375595	ND	ND	mg/L		20.0
Ammonia Nitrogen	2375624	0.084	0.088	mg/L	4.65	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Ammonia Nitrogen	2.20	2.00	mg/L	110	90.0 - 110	127256096

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Ammonia Nitrogen	1157811	2.04	2.10	2.00	90.0 - 110	102	105	mg/L	2.90	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Ammonia Nitrogen	2375595	1.94	ND	2.00	mg/L	97.0	80.0 - 120	127256205
Ammonia Nitrogen	2375624	2.19	0.088	2.00	mg/L	105	80.0 - 120	127256208

Analytical Set 1158300

SM 4500-CN E-2016

Blank

Parameter	PrepSet	Reading	MDL	MDL	Units	File
Cyanide, total	1157919	ND	0.00238	0.005	mg/L	127259603

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.488	0.500	mg/L	97.6	90.0 - 110	127259601
Cyanide, total	0.490	0.500	mg/L	98.0	90.0 - 110	127259612

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.497	0.500	mg/L	99.4	90.0 - 110	127259623
Cyanide, total	0.505	0.500	mg/L	101	90.0 - 110	127259631
Cyanide, total	0.532	0.500	mg/L	106	90.0 - 110	127259632
Cyanide, total	0.527	0.500	mg/L	105	90.0 - 110	127259642
Cyanide, total	0.494	0.500	mg/L	98.8	90.0 - 110	127259644
Cyanide, total	0.486	0.500	mg/L	97.2	90.0 - 110	127259645

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide, total	2375635	0.0134	0.0136	mg/L	1.48	20.0
Cyanide, total	2375638	0.0138	0.0134	mg/L	2.94	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.200	0.200	mg/L	100	90.0 - 110	127259600

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide, total	1157919	0.367	0.406	0.400	90.0 - 110	91.8	102	mg/L	10.1	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Cyanide, total	2375635	0.393	0.0136	0.400	mg/L	94.8	90.0 - 110	127259608
Cyanide, total	2375638	0.397	0.0134	0.400	mg/L	95.9	90.0 - 110	127259611

Analytical Set

1158306

SM 4500-CN⁻ G-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide After Chlorination	1158209	ND	0.00119	0.0025	mg/L	127259747

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.488	0.500	mg/L	97.6	90.0 - 110	127259741
Cyanide After Chlorination	0.490	0.500	mg/L	98.0	90.0 - 110	127259742
Cyanide After Chlorination	0.497	0.500	mg/L	99.4	90.0 - 110	127259743
Cyanide After Chlorination	0.505	0.500	mg/L	101	90.0 - 110	127259744
Cyanide After Chlorination	0.532	0.500	mg/L	106	90.0 - 110	127259745
Cyanide After Chlorination	0.527	0.500	mg/L	105	90.0 - 110	127259746
Cyanide After Chlorination	0.494	0.500	mg/L	98.8	90.0 - 110	127259750
Cyanide After Chlorination	0.486	0.500	mg/L	97.2	90.0 - 110	127259757

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide After Chlorination	2375640	0.0016	ND	mg/L	200 *	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File

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ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.200	0.200	mg/L	100	90.0 - 110	127259740

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide After Chlorination	1158209	0.189	0.187	0.200	90.0 - 110	94.5	93.5	mg/L	1.06	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Cyanide After Chlorination	2375640	0.384	ND	0.400	mg/L	96.0	90.0 - 110	127259753

Analytical Set

1158956

EPA 351.2 2

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Kjeldahl Nitrogen	1158429	ND	0.00712	0.050	mg/L	127272558

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.22	5.00	mg/L	104	90.0 - 110	127272543
Total Kjeldahl Nitrogen	5.22	5.00	mg/L	104	90.0 - 110	127272552
Total Kjeldahl Nitrogen	5.22	5.00	mg/L	104	90.0 - 110	127272563
Total Kjeldahl Nitrogen	5.19	5.00	mg/L	104	90.0 - 110	127272571
Total Kjeldahl Nitrogen	5.24	5.00	mg/L	105	90.0 - 110	127272582
Total Kjeldahl Nitrogen	5.24	5.00	mg/L	105	90.0 - 110	127272589

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Kjeldahl Nitrogen	2375965	0.625	0.642	mg/L	2.68	20.0
Total Kjeldahl Nitrogen	2376520	1.09	0.930	mg/L	15.8	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.37	5.00	mg/L	107	90.0 - 110	127272542

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Total Kjeldahl Nitrogen	1158429	5.39	5.44	5.00	90.0 - 110	108	109	mg/L	0.923	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Total Kjeldahl Nitrogen	2375965	5.75	0.642	5.00	mg/L	102	80.0 - 120	127272564
Total Kjeldahl Nitrogen	2376520	6.24	0.930	5.00	mg/L	106	80.0 - 120	127272567

Analytical Set

1157702

SM 4500-CI G-2011

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Cl2 Res., Total(Onsite)Spec Mid [RL 0.05 mg/L]	1157702	0.250	0.220	mg/L	113.6	90 - 110	

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Standard							File
Parameter	Sample	Reading	Known	Units	Recover%	Limits%	
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	1157702	0.940	0.930	mg/L	101.1	90 - 110	
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	1157702	1.56	1.58	mg/L	98.7	90 - 110	
Analytical Set 1157703							
Duplicate							
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%	
Field Cl2 Check for CNa	2375881	ND	ND			20	
Analytical Set 1157705							SM 4500-O G-2016
Duplicate							
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%	
Dissolved Oxygen Onsite	2375644	5.0	5.0	mg/L		20	
Analytical Set 1157706							
Duplicate							
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%	
Field Sulfide Check for CNa	2375881	Negative	NEGATIVE	mg/L		20	
Analytical Set 1157707							SM 4500-H+ B-2011
CCV							
Parameter	Reading	Known	Units	Recover%	Limits%	File	
pH (Onsite)	6.0	6.0	SU	100	90 - 110		
pH (Onsite)	6.0	6.0	SU	100	90 - 110		
Standard							
Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
pH (Onsite)	1157707	8.0	8.0	SU	100	90 - 110	
pH (Onsite)	1157707	8.0	8.0	SU	100	90 - 110	
Analytical Set 1157708							SM 2550 B - 2010
Duplicate							
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%	
Temperature (onsite)	2375644	23	23	Degrees C		20	
Analytical Set 1158199							SM 2540 D-2015
Blank							
Parameter	PrepSet	Reading	MDL	MDL	Units	File	
Total Suspended Solids	1158199	ND	2	2	mg/L	127257692	
ControlBlk							
Parameter	PrepSet	Reading	MDL	MDL	Units	File	
Total Suspended Solids	1158199	-0.0002			grams	127257691	

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Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Suspended Solids	2375841	23.7	22.0	mg/L	7.44	20.0
Total Suspended Solids	2375879	635	715	mg/L	11.9	20.0
Total Suspended Solids	2376244	4040	4120	mg/L	1.96	20.0

LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Suspended Solids	1158199	50.0	50.0	mg/L	100	90.0 - 110	127257725

Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Suspended Solids		94.0	100	mg/L	94.0	90.0 - 110	127257724

Analytical Set

1158325

SM 2540 C-2015

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Dissolved Solids	1158325	ND	5.00	5.00	mg/L	127260027

ControlBlk

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Dissolved Solids	1158325	0.0002			grams	127260014

Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Dissolved Solids	2375253	510	510	mg/L	0	20.0

LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Total Dissolved Solids	1158325	210	200	mg/L	105	85.0 - 115	127260028

Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Dissolved Solids		100	100	mg/L	100	90.0 - 110	127260015

Analytical Set

1159048

EPA 1664B

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Oil and Grease (HEM)	1159048	0.700	0.557	4.00	mg/L	127274990

LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Oil and Grease (HEM)	1159048	36.0	40.0	mg/L	90.0	78.0 - 114	127276701

MS

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Oil and Grease (HEM)	2375644	43.6	0	0.590	40.0	78.0 - 114	109		mg/L		20.0

Analytical Set

1157928

EPA 300.0 2.1

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AWRL/LOQ C

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Fluoride	0.127	0.100	mg/L	127	70.0 - 130	127251796
Nitrate-Nitrogen Total	0.0215	0.0226	mg/L	95.1	70.0 - 130	127251796

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MLQ</u>	<u>Units</u>	<u>File</u>
Fluoride	1157928	ND	0.00509	0.100	mg/L	127251797
Nitrate-Nitrogen Total	1157928	ND	0.00464	0.0226	mg/L	127251797

CCB

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MLQ</u>	<u>Units</u>	<u>File</u>
Fluoride	1157928	0	0.00509	0.100	mg/L	127251793
Fluoride	1157928	0	0.00509	0.100	mg/L	127251813
Nitrate-Nitrogen Total	1157928	0.000767	0.00464	0.0226	mg/L	127251793
Nitrate-Nitrogen Total	1157928	0	0.00464	0.0226	mg/L	127251813

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Fluoride	10.5	10.0	mg/L	105	90.0 - 110	127251792
Fluoride	10.8	10.0	mg/L	108	90.0 - 110	127251812
Nitrate-Nitrogen Total	2.28	2.26	mg/L	101	90.0 - 110	127251792
Nitrate-Nitrogen Total	2.34	2.26	mg/L	104	90.0 - 110	127251812

LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Fluoride	1157928	5.37	5.58	5.00	88.0 - 118	107	112	mg/L	3.84	20.0
Nitrate-Nitrogen Total	1157928	1.26	1.26	1.13	86.3 - 117	112	112	mg/L	0	20.0

MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Fluoride	2375128	73.5	74.1	1.97	50.0	80.0 - 120	143 *	144 *	mg/L	0.835	20.0
Nitrate-Nitrogen Total	2375128	16.5	16.5	4.04	11.3	80.0 - 120	110	110	mg/L	0	20.0
Fluoride	2375259	29.1	29.0	0.428	20.0	80.0 - 120	143 *	143 *	mg/L	0.349	20.0
Nitrate-Nitrogen Total	2375259	19.6	19.7	14.7	4.52	80.0 - 120	108	111	mg/L	2.02	20.0

Analytical Set **1158084**

EPA 300.0 2.1

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MLQ</u>	<u>Units</u>	<u>File</u>
Chloride	1158084	0.068	0.0593	0.300	mg/L	127254531
Sulfate	1158084	0.443	0.0605	0.300	mg/L	127254531

CCB

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MLQ</u>	<u>Units</u>	<u>File</u>
Chloride	1158084	0.057	0.0593	0.300	mg/L	127254527
Chloride	1158084	0.059	0.0593	0.300	mg/L	127254547
Chloride	1158084	0.053	0.0593	0.300	mg/L	127254559
Sulfate	1158084	0.065	0.0605	0.300	mg/L	127254527
Sulfate	1158084	0.066	0.0605	0.300	mg/L	127254547

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CCB

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Sulfate	1158084	0.061	0.0605	0.300	mg/L	127254559

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Chloride	10.5	10.0	mg/L	105	90.0 - 110	127254526
Chloride	10.6	10.0	mg/L	106	90.0 - 110	127254546
Chloride	10.5	10.0	mg/L	105	90.0 - 110	127254558
Sulfate	10.1	10.0	mg/L	101	90.0 - 110	127254526
Sulfate	10.2	10.0	mg/L	102	90.0 - 110	127254546
Sulfate	10.1	10.0	mg/L	101	90.0 - 110	127254558

LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Chloride	1158084	5.14	5.17	5.00	85.0 - 115	103	103	mg/L	0.582	20.0
Sulfate	1158084	5.55	5.57	5.00	85.4 - 124	111	111	mg/L	0.360	20.0

MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Chloride	2375312	1400	1400	1120	200	80.0 - 120	140 *	140 *	mg/L	0	20.0
Sulfate	2375312	1630	1630	1500	200	80.0 - 120	65.0 *	65.0 *	mg/L	0	20.0
Chloride	2375313	298	301	205	100	80.0 - 120	93.0	96.0	mg/L	3.17	20.0
Sulfate	2375313	471	473	454	100	80.0 - 120	17.0 *	19.0 *	mg/L	11.1	20.0

Analytical Set

1158279

EPA 200.7 4.4

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Phosphorus	1158195	ND	0.0353	0.040	mg/L	127259153

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Phosphorus	0.998	1.00	mg/L	99.8	90.0 - 110	127259151
Phosphorus	1.04	1.00	mg/L	104	90.0 - 110	127259152
Phosphorus	1.02	1.00	mg/L	102	90.0 - 110	127259161

ICL

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Phosphorus	25.3	25.0	mg/L	101	95.0 - 105	127259149

ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Phosphorus	0.998	1.00	mg/L	99.8	90.0 - 110	127259150

LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Phosphorus	1158195	4.13	4.10	4.00	85.0 - 115	103	102	mg/L	0.729	25.0

MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>

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PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project

1133639

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Phosphorus	2376407	4.62	4.56	0.0615	4.00	75.0 - 125	114	112	mg/L	1.32	25.0

Analytical Set

1158305

SM 3500-Cr B-2011

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Hexavalent Chromium	1158305	0.768	0.550	3.00	ug/L	127259778
Hexavalent Chromium	1158305	ND	0.550	3.00	ug/L	127259787
Hexavalent Chromium	1158305	0.768	0.550	3.00	ug/L	127259791

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Hexavalent Chromium	80.2	80.0	ug/L	100	90.0 - 110	127259779
Hexavalent Chromium	81.9	80.0	ug/L	102	90.0 - 110	127259788
Hexavalent Chromium	83.2	80.0	ug/L	104	90.0 - 110	127259792

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Hexavalent Chromium	1158305	82.2	82.4	80.0	85.0 - 115	103	103	ug/L	0.243	15.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Hexavalent Chromium	2374638	63.6	64.1	ND	80.0	70.0 - 130	79.5	80.1	ug/L	0.783	20.0

Analytical Set

1158416

EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Aluminum, Total	1158195	ND	0.0039	0.005	mg/L	127262051
Antimony, Total	1158195	ND	0.000847	0.003	mg/L	127262051
Arsenic, Total	1158195	ND	0.000902	0.001	mg/L	127262051
Barium, Total	1158195	ND	0.00207	0.005	mg/L	127262051
Beryllium, Total	1158195	ND	0.000162	0.001	mg/L	127262051
Cadmium, Total	1158195	ND	0.00012	0.001	mg/L	127262051
Chromium, Total	1158195	ND	0.000392	0.001	mg/L	127262051
Copper, Total	1158195	ND	0.000325	0.001	mg/L	127262051
Lead, Total	1158195	ND	0.000549	0.001	mg/L	127262051
Nickel, Total	1158195	ND	0.000154	0.001	mg/L	127262051
Selenium, Total	1158195	ND	0.00294	0.005	mg/L	127262051
Silver, Total	1158195	ND	0.000276	0.001	mg/L	127262051
Thallium, Total	1158195	ND	0.000966	0.001	mg/L	127262051
Zinc, Total	1158195	ND	0.000844	0.001	mg/L	127262051

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.0515	0.05	mg/L	103	90.0 - 110	127262032
Aluminum, Total	0.0528	0.05	mg/L	106	90.0 - 110	127262064
Aluminum, Total	0.0514	0.05	mg/L	103	90.0 - 110	127262075

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PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

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CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Aluminum, Total	0.053	0.05	mg/L	106	90.0 - 110	127262085
Aluminum, Total	0.0522	0.05	mg/L	104	90.0 - 110	127262094
Antimony, Total	0.049	0.05	mg/L	98.0	90.0 - 110	127262032
Antimony, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	127262057
Antimony, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	127262064
Antimony, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	127262075
Antimony, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	127262085
Antimony, Total	0.0479	0.05	mg/L	95.8	90.0 - 110	127262094
Arsenic, Total	0.0502	0.05	mg/L	100	90.0 - 110	127262032
Arsenic, Total	0.051	0.05	mg/L	102	90.0 - 110	127262047
Arsenic, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	127262057
Arsenic, Total	0.0502	0.05	mg/L	100	90.0 - 110	127262064
Arsenic, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	127262075
Arsenic, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	127262085
Arsenic, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	127262094
Barium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	127262032
Barium, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	127262057
Barium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	127262064
Barium, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	127262075
Barium, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	127262085
Barium, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	127262094
Beryllium, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	127262032
Beryllium, Total	0.0486	0.05	mg/L	97.2	90.0 - 110	127262057
Beryllium, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	127262064
Beryllium, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	127262075
Beryllium, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	127262085
Beryllium, Total	0.0474	0.05	mg/L	94.8	90.0 - 110	127262094
Cadmium, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	127262032
Cadmium, Total	0.050	0.05	mg/L	100	90.0 - 110	127262057
Cadmium, Total	0.0504	0.05	mg/L	101	90.0 - 110	127262064
Cadmium, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	127262075
Cadmium, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	127262085
Cadmium, Total	0.0486	0.05	mg/L	97.2	90.0 - 110	127262094
Chromium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	127262032
Chromium, Total	0.0509	0.05	mg/L	102	90.0 - 110	127262047
Chromium, Total	0.0502	0.05	mg/L	100	90.0 - 110	127262057
Chromium, Total	0.0502	0.05	mg/L	100	90.0 - 110	127262064
Chromium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	127262075
Chromium, Total	0.050	0.05	mg/L	100	90.0 - 110	127262085
Chromium, Total	0.0501	0.05	mg/L	100	90.0 - 110	127262094
Copper, Total	0.052	0.05	mg/L	104	90.0 - 110	127262032
Copper, Total	0.0515	0.05	mg/L	103	90.0 - 110	127262040
Copper, Total	0.0518	0.05	mg/L	104	90.0 - 110	127262047
Copper, Total	0.0508	0.05	mg/L	102	90.0 - 110	127262057
Copper, Total	0.0511	0.05	mg/L	102	90.0 - 110	127262064

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PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
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Brownsville, TX 78520-

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CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Copper, Total	0.0504	0.05	mg/L	101	90.0 - 110	127262075
Copper, Total	0.0509	0.05	mg/L	102	90.0 - 110	127262085
Copper, Total	0.0504	0.05	mg/L	101	90.0 - 110	127262094
Lead, Total	0.0508	0.05	mg/L	102	90.0 - 110	127262032
Lead, Total	0.0521	0.05	mg/L	104	90.0 - 110	127262057
Lead, Total	0.0525	0.05	mg/L	105	90.0 - 110	127262064
Lead, Total	0.0509	0.05	mg/L	102	90.0 - 110	127262075
Lead, Total	0.0509	0.05	mg/L	102	90.0 - 110	127262085
Lead, Total	0.0508	0.05	mg/L	102	90.0 - 110	127262094
Nickel, Total	0.0501	0.05	mg/L	100	90.0 - 110	127262032
Nickel, Total	0.0502	0.05	mg/L	100	90.0 - 110	127262057
Nickel, Total	0.0504	0.05	mg/L	101	90.0 - 110	127262064
Nickel, Total	0.050	0.05	mg/L	100	90.0 - 110	127262075
Nickel, Total	0.0502	0.05	mg/L	100	90.0 - 110	127262085
Nickel, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	127262094
Selenium, Total	0.0504	0.05	mg/L	101	90.0 - 110	127262032
Selenium, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	127262057
Selenium, Total	0.0508	0.05	mg/L	102	90.0 - 110	127262064
Selenium, Total	0.0512	0.05	mg/L	102	90.0 - 110	127262075
Selenium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	127262085
Selenium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	127262094
Silver, Total	0.0509	0.05	mg/L	102	90.0 - 110	127262032
Silver, Total	0.0512	0.05	mg/L	102	90.0 - 110	127262057
Silver, Total	0.0516	0.05	mg/L	103	90.0 - 110	127262064
Silver, Total	0.0504	0.05	mg/L	101	90.0 - 110	127262075
Silver, Total	0.0505	0.05	mg/L	101	90.0 - 110	127262085
Silver, Total	0.0503	0.05	mg/L	101	90.0 - 110	127262094
Thallium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	127262032
Thallium, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	127262057
Thallium, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	127262064
Thallium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127262075
Thallium, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	127262085
Thallium, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	127262094
Zinc, Total	0.0526	0.05	mg/L	105	90.0 - 110	127262032
Zinc, Total	0.0535	0.05	mg/L	107	90.0 - 110	127262040
Zinc, Total	0.0532	0.05	mg/L	106	90.0 - 110	127262047
Zinc, Total	0.0535	0.05	mg/L	107	90.0 - 110	127262057
Zinc, Total	0.054	0.05	mg/L	108	90.0 - 110	127262064
Zinc, Total	0.0529	0.05	mg/L	106	90.0 - 110	127262075
Zinc, Total	0.0537	0.05	mg/L	107	90.0 - 110	127262085
Zinc, Total	0.053	0.05	mg/L	106	90.0 - 110	127262094

ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Aluminum, Total	0.0502	0.05	mg/L	100	90.0 - 110	127262025

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QUALITY CONTROL



PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
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ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.0486	0.05	mg/L	97.2	90.0 - 110	127262025
Arsenic, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	127262025
Barium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127262025
Beryllium, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	127262025
Cadmium, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	127262025
Chromium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	127262025
Copper, Total	0.051	0.05	mg/L	102	90.0 - 110	127262025
Lead, Total	0.0515	0.05	mg/L	103	90.0 - 110	127262025
Nickel, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	127262025
Selenium, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	127262025
Silver, Total	0.0505	0.05	mg/L	101	90.0 - 110	127262025
Thallium, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	127262025
Zinc, Total	0.0515	0.05	mg/L	103	90.0 - 110	127262025

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Aluminum, Total	1158195	0.494	0.489	0.500	85.0 - 115	98.8	97.8	mg/L	1.02	20.0
Antimony, Total	1158195	0.481	0.479	0.500	85.0 - 115	96.2	95.8	mg/L	0.417	20.0
Arsenic, Total	1158195	0.485	0.477	0.500	85.0 - 115	97.0	95.4	mg/L	1.66	20.0
Barium, Total	1158195	0.485	0.484	0.500	85.0 - 115	97.0	96.8	mg/L	0.206	20.0
Beryllium, Total	1158195	0.191	0.190	0.200	85.0 - 115	95.5	95.0	mg/L	0.525	20.0
Cadmium, Total	1158195	0.246	0.244	0.250	85.0 - 115	98.4	97.6	mg/L	0.816	20.0
Chromium, Total	1158195	0.494	0.489	0.500	85.0 - 115	98.8	97.8	mg/L	1.02	20.0
Copper, Total	1158195	0.499	0.494	0.500	85.0 - 115	99.8	98.8	mg/L	1.01	20.0
Lead, Total	1158195	0.490	0.487	0.500	85.0 - 115	98.0	97.4	mg/L	0.614	20.0
Nickel, Total	1158195	0.494	0.493	0.500	85.0 - 115	98.8	98.6	mg/L	0.203	20.0
Selenium, Total	1158195	0.483	0.480	0.500	85.0 - 115	96.6	96.0	mg/L	0.623	20.0
Silver, Total	1158195	0.0969	0.0964	0.100	85.0 - 115	96.9	96.4	mg/L	0.517	20.0
Thallium, Total	1158195	0.487	0.486	0.500	85.0 - 115	97.4	97.2	mg/L	0.206	20.0
Zinc, Total	1158195	0.499	0.496	0.500	85.0 - 115	99.8	99.2	mg/L	0.603	20.0

MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Copper, Total	0.00128	0.001	mg/L	128	25.0 - 175	127262026
Lead, Total	0.000992	0.001	mg/L	99.2	85.0 - 115	127262026

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Aluminum, Total	2376179	48.7	50.7	47.7	0.500	70.0 - 130	200 *	600 *	mg/L	100 *	20.0
Antimony, Total	2376179	0.422	0.406	ND	0.500	70.0 - 130	84.4	81.2	mg/L	3.86	20.0
Arsenic, Total	2376179	0.467	0.470	0.00305	0.500	70.0 - 130	92.8	93.4	mg/L	0.645	20.0
Barium, Total	2376179	0.594	0.598	0.120	0.500	70.0 - 130	94.8	95.6	mg/L	0.840	20.0
Beryllium, Total	2376179	0.190	0.188	0.00114	0.200	70.0 - 130	94.4	93.4	mg/L	1.06	20.0
Cadmium, Total	2376179	0.241	0.241	ND	0.250	70.0 - 130	96.4	96.4	mg/L	0	20.0
Chromium, Total	2376179	0.478	0.481	0.00427	0.500	70.0 - 130	94.7	95.3	mg/L	0.631	20.0
Copper, Total	2376179	0.485	0.486	0.00881	0.500	70.0 - 130	95.2	95.4	mg/L	0.210	20.0

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PUB6-R

Public Utilities Board
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Project
1133639

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Lead, Total	2376179	0.481	0.484	0.0046	0.500	70.0 - 130	95.3	95.9	mg/L	0.628	20.0
Nickel, Total	2376179	0.485	0.488	0.0104	0.500	70.0 - 130	94.9	95.5	mg/L	0.630	20.0
Selenium, Total	2376179	0.463	0.465	ND	0.500	70.0 - 130	92.6	93.0	mg/L	0.431	20.0
Silver, Total	2376179	0.0952	0.0959	ND	0.100	70.0 - 130	95.2	95.9	mg/L	0.733	20.0
Thallium, Total	2376179	0.476	0.474	ND	0.500	70.0 - 130	95.2	94.8	mg/L	0.421	20.0
Zinc, Total	2376179	0.568	0.583	0.097	0.500	70.0 - 130	94.2	97.2	mg/L	3.13	20.0
Aluminum, Total	2376407	0.576	0.556	0.0771	0.500	70.0 - 130	99.8	95.8	mg/L	4.09	20.0
Antimony, Total	2376407	0.494	0.476	ND	0.500	70.0 - 130	98.8	95.2	mg/L	3.71	20.0
Arsenic, Total	2376407	0.481	0.470	0.000988	0.500	70.0 - 130	96.0	93.8	mg/L	2.32	20.0
Barium, Total	2376407	0.550	0.539	0.0645	0.500	70.0 - 130	97.1	94.9	mg/L	2.29	20.0
Beryllium, Total	2376407	0.193	0.190	ND	0.200	70.0 - 130	96.5	95.0	mg/L	1.57	20.0
Cadmium, Total	2376407	0.244	0.238	ND	0.250	70.0 - 130	97.6	95.2	mg/L	2.49	20.0
Chromium, Total	2376407	0.491	0.481	ND	0.500	70.0 - 130	98.2	96.2	mg/L	2.06	20.0
Copper, Total	2376407	0.492	0.485	0.000895	0.500	70.0 - 130	98.2	96.8	mg/L	1.44	20.0
Lead, Total	2376407	0.484	0.472	ND	0.500	70.0 - 130	96.8	94.4	mg/L	2.51	20.0
Nickel, Total	2376407	0.489	0.486	0.00148	0.500	70.0 - 130	97.5	96.9	mg/L	0.617	20.0
Selenium, Total	2376407	0.467	0.457	ND	0.500	70.0 - 130	93.4	91.4	mg/L	2.16	20.0
Silver, Total	2376407	0.0968	0.0949	ND	0.100	70.0 - 130	96.8	94.9	mg/L	1.98	20.0
Thallium, Total	2376407	0.489	0.477	ND	0.500	70.0 - 130	97.8	95.4	mg/L	2.48	20.0
Zinc, Total	2376407	0.483	0.480	0.0012	0.500	70.0 - 130	96.4	95.8	mg/L	0.625	20.0

Analytical Set

1158758

EPA 245.7 2

Blank

Parameter	PrepSet	Reading	MDL	MDL	Units	File
Mercury, Total (low level)	1158736	ND	1.20	4.00	ng/L	127268064

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	28.1	25.0	ng/L	112	87.0 - 113	127268063
Mercury, Total (low level)	26.5	25.0	ng/L	106	87.0 - 113	127268074
Mercury, Total (low level)	25.2	25.0	ng/L	101	87.0 - 113	127268085
Mercury, Total (low level)	24.6	25.0	ng/L	98.4	87.0 - 113	127268093

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	ND	50.0	ng/L	0	90.0 - 110	127268061

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	27.5	25.0	ng/L	110	90.0 - 110	127268062

LCS Dup

Parameter	PrepSet	LCS	LCS D	Known	Limits%	LCS%	LCS D%	Units	RPD	Limit%
Mercury, Total (low level)	1158736	23.9	24.6	25.0	76.0 - 115	95.6	98.4	ng/L	2.89	50.0

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MSD											
Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury, Total (low level)	2375214	24.4	25.4	ND	26.6	63.0 - 111	91.7	95.5	ng/L	4.02	18.0
Mercury, Total (low level)	2376777	23.8	21.4	ND	26.6	63.0 - 111	89.5	80.5	ng/L	10.6	18.0

Analytical Set

1157825

EPA 624.1

BFB						
Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1157825	174	180	1.5	0 - 2.00	127249425
BFB Mass 174	1157825	95.0	12338	52.0	50.0 - 100	127249425
BFB Mass 175	1157825	174	971	7.9	5.00 - 9.00	127249425
BFB Mass 176	1157825	174	11966	97.0	95.0 - 101	127249425
BFB Mass 177	1157825	176	794	6.6	5.00 - 9.00	127249425
BFB Mass 50	1157825	95.0	4269	18.0	15.0 - 40.0	127249425
BFB Mass 75	1157825	95.0	12271	51.7	30.0 - 60.0	127249425
BFB Mass 95	1157825	95.0	23733	100.0	100 - 100	127249425
BFB Mass 96	1157825	95.0	1580	6.7	5.00 - 9.00	127249425

Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
Acrylonitrile	1157825	ND	1.43	2.00	ug/L	127249429

IS Areas								
Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1157825	LCS	89150	86530	43260	129800	127249427	1157825
1,4-DichlorobenzeneD4 (ISTD)	1157825	LCS Dup	89250	86530	43260	129800	127249428	1157825
1,4-DichlorobenzeneD4 (ISTD)	1157825	Blank	70370	86530	43260	129800	127249429	1157825
ChlorobenzeneD5 (ISTD)	1157825	LCS	185000	172800	86400	259200	127249427	1157825
ChlorobenzeneD5 (ISTD)	1157825	LCS Dup	180900	172800	86400	259200	127249428	1157825
ChlorobenzeneD5 (ISTD)	1157825	Blank	161900	172800	86400	259200	127249429	1157825
1,4-DichlorobenzeneD4 (ISTD)	2374560	MS	90100	86530	43260	129800	127249431	1157825
1,4-DichlorobenzeneD4 (ISTD)	2374560	MSD	82730	86530	43260	129800	127249432	1157825
ChlorobenzeneD5 (ISTD)	2374560	MS	182400	172800	86400	259200	127249431	1157825
ChlorobenzeneD5 (ISTD)	2374560	MSD	170300	172800	86400	259200	127249432	1157825
1,4-DichlorobenzeneD4 (ISTD)	2375644	Unknown	67780	86530	43260	129800	127249433	1157825
ChlorobenzeneD5 (ISTD)	2375644	Unknown	159500	172800	86400	259200	127249433	1157825

IS RetTime								
Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1157825	LCS	11.07	11.07	11.01	11.13	127249427	1157825
1,4-DichlorobenzeneD4 (ISTD)	1157825	LCS Dup	11.07	11.07	11.01	11.13	127249428	1157825
1,4-DichlorobenzeneD4 (ISTD)	1157825	Blank	11.07	11.07	11.01	11.13	127249429	1157825
ChlorobenzeneD5 (ISTD)	1157825	LCS	8.708	8.708	8.648	8.768	127249427	1157825
ChlorobenzeneD5 (ISTD)	1157825	LCS Dup	8.708	8.708	8.648	8.768	127249428	1157825
ChlorobenzeneD5 (ISTD)	1157825	Blank	8.714	8.708	8.648	8.768	127249429	1157825
1,4-DichlorobenzeneD4 (ISTD)	2374560	MS	11.07	11.07	11.01	11.13	127249431	1157825
1,4-DichlorobenzeneD4 (ISTD)	2374560	MSD	11.07	11.07	11.01	11.13	127249432	1157825
ChlorobenzeneD5 (ISTD)	2374560	MS	8.708	8.708	8.648	8.768	127249431	1157825

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IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
ChlorobenzeneD5 (ISTD)	2374560	MSD	8.708	8.708	8.648	8.768	127249432	1157825
1,4-DichlorobenzeneD4 (ISTD)	2375644	Unknown	11.07	11.07	11.01	11.13	127249433	1157825
ChlorobenzeneD5 (ISTD)	2375644	Unknown	8.708	8.708	8.648	8.768	127249433	1157825

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Acrylonitrile	1157825	38.1	40.7	40.0	60.0 - 140	95.2	102	ug/L	6.90	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Acrylonitrile	2374560	183	194	ND	200	40.0 - 160	91.5	97.0	ug/L	5.84	60.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1157825	LCS	16.3	20.0	ug/L	81.5	70.0 - 130	127249427
1,2-DCA-d4 (SURR)	1157825	LCS Dup	16.3	20.0	ug/L	81.5	70.0 - 130	127249428
1,2-DCA-d4 (SURR)	1157825	Blank	16.5	20.0	ug/L	82.5	70.0 - 130	127249429
Bromofluorobenzene (SURR)	1157825	LCS	19.9	20.0	ug/L	99.5	70.0 - 130	127249427
Bromofluorobenzene (SURR)	1157825	LCS Dup	19.2	20.0	ug/L	96.0	70.0 - 130	127249428
Bromofluorobenzene (SURR)	1157825	Blank	17.9	20.0	ug/L	89.5	70.0 - 130	127249429
Dibromofluoromethane (SURR)	1157825	LCS	16.8	20.0	ug/L	84.0	70.0 - 130	127249427
Dibromofluoromethane (SURR)	1157825	LCS Dup	17.1	20.0	ug/L	85.5	70.0 - 130	127249428
Dibromofluoromethane (SURR)	1157825	Blank	16.8	20.0	ug/L	84.0	70.0 - 130	127249429
TolueneD8 (SURR)	1157825	LCS	17.4	20.0	ug/L	87.0	70.0 - 130	127249427
TolueneD8 (SURR)	1157825	LCS Dup	17.2	20.0	ug/L	86.0	70.0 - 130	127249428
TolueneD8 (SURR)	1157825	Blank	16.2	20.0	ug/L	81.0	70.0 - 130	127249429
1,2-DCA-d4 (SURR)	2374560	MS	16.2	20.0	ug/L	81.0	70.0 - 130	127249431
1,2-DCA-d4 (SURR)	2374560	MSD	16.5	20.0	ug/L	82.5	70.0 - 130	127249432
Bromofluorobenzene (SURR)	2374560	MS	19.5	20.0	ug/L	97.5	70.0 - 130	127249431
Bromofluorobenzene (SURR)	2374560	MSD	19.2	20.0	ug/L	96.0	70.0 - 130	127249432
Dibromofluoromethane (SURR)	2374560	MS	16.9	20.0	ug/L	84.5	70.0 - 130	127249431
Dibromofluoromethane (SURR)	2374560	MSD	17.3	20.0	ug/L	86.5	70.0 - 130	127249432
TolueneD8 (SURR)	2374560	MS	17.2	20.0	ug/L	86.0	70.0 - 130	127249431
TolueneD8 (SURR)	2374560	MSD	17.4	20.0	ug/L	87.0	70.0 - 130	127249432
1,2-DCA-d4 (SURR)	2375644	Unknown	16.9	20.0	ug/L	84.5	70.0 - 130	127249433
Bromofluorobenzene (SURR)	2375644	Unknown	17.9	20.0	ug/L	89.5	70.0 - 130	127249433
Dibromofluoromethane (SURR)	2375644	Unknown	16.9	20.0	ug/L	84.5	70.0 - 130	127249433
TolueneD8 (SURR)	2375644	Unknown	15.6	20.0	ug/L	78.0	70.0 - 130	127249433

Analytical Set

1157826

EPA 624.1

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1157826	174	180	1.5	0 - 2.00	127249434
BFB Mass 174	1157826	95.0	12338	52.0	50.0 - 100	127249434
BFB Mass 175	1157826	174	971	7.9	5.00 - 9.00	127249434
BFB Mass 176	1157826	174	11966	97.0	95.0 - 101	127249434

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BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 177	1157826	176	794	6.6	5.00 - 9.00	127249434
BFB Mass 50	1157826	95.0	4269	18.0	15.0 - 40.0	127249434
BFB Mass 75	1157826	95.0	12271	51.7	30.0 - 60.0	127249434
BFB Mass 95	1157826	95.0	23733	100.0	100 - 100	127249434
BFB Mass 96	1157826	95.0	1580	6.7	5.00 - 9.00	127249434

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
1,1,1-Trichloroethane	1157826	ND	0.914	1.00	ug/L	127249438
1,1,2-Trichloroethane	1157826	ND	1.27	2.00	ug/L	127249438
1,1-Dichloroethylene	1157826	ND	0.812	1.00	ug/L	127249438
1,2-Dibromoethane (EDB)	1157826	ND	1.00	1.00	ug/L	127249438
1,2-Dichloroethane	1157826	ND	0.856	1.00	ug/L	127249438
1,2-Dichloropropane	1157826	ND	1.01	1.01	ug/L	127249438
Benzene	1157826	ND	0.813	1.00	ug/L	127249438
Bromodichloromethane	1157826	ND	0.873	1.00	ug/L	127249438
Bromoform	1157826	ND	1.28	2.00	ug/L	127249438
Carbon Tetrachloride	1157826	ND	0.825	1.00	ug/L	127249438
Chlorobenzene	1157826	ND	0.945	1.00	ug/L	127249438
Chloroform	1157826	ND	0.945	1.00	ug/L	127249438
cis-1,3-Dichloropropene	1157826	ND	0.615	1.00	ug/L	127249438
Dibromochloromethane	1157826	ND	0.995	1.00	ug/L	127249438
Dichloromethane	1157826	ND	1.29	2.00	ug/L	127249438
Ethylbenzene	1157826	ND	0.545	1.00	ug/L	127249438
m-Dichlorobenzene (1,3-DCB)	1157826	ND	0.860	1.00	ug/L	127249438
Methyl ethyl ketone (Butanone)	1157826	ND	6.54	10.0	ug/L	127249438
o-Dichlorobenzene (1,2-DCB)	1157826	ND	0.960	1.00	ug/L	127249438
p-Dichlorobenzene (1,4-DCB)	1157826	ND	0.865	1.00	ug/L	127249438
Tetrachloroethylene	1157826	ND	0.921	1.00	ug/L	127249438
Toluene	1157826	ND	0.656	1.00	ug/L	127249438
trans-1,3-Dichloropropene	1157826	ND	0.695	1.00	ug/L	127249438
Trichloroethylene	1157826	ND	0.789	1.00	ug/L	127249438
Vinyl chloride	1157826	ND	1.04	1.04	ug/L	127249438

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1157826	LCS	89150	86530	43260	129800	127249436	1157826
1,4-DichlorobenzeneD4 (ISTD)	1157826	LCS Dup	89250	86530	43260	129800	127249437	1157826
1,4-DichlorobenzeneD4 (ISTD)	1157826	Blank	70370	86530	43260	129800	127249438	1157826
ChlorobenzeneD5 (ISTD)	1157826	LCS	185000	172800	86400	259200	127249436	1157826
ChlorobenzeneD5 (ISTD)	1157826	LCS Dup	180900	172800	86400	259200	127249437	1157826
ChlorobenzeneD5 (ISTD)	1157826	Blank	161900	172800	86400	259200	127249438	1157826
1,4-DichlorobenzeneD4 (ISTD)	2374560	MS	90100	86530	43260	129800	127249440	1157826
1,4-DichlorobenzeneD4 (ISTD)	2374560	MSD	82730	86530	43260	129800	127249441	1157826
ChlorobenzeneD5 (ISTD)	2374560	MS	182400	172800	86400	259200	127249440	1157826

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IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
ChlorobenzeneD5 (ISTD)	2374560	MSD	170300	172800	86400	259200	127249441	1157826
1,4-DichlorobenzeneD4 (ISTD)	2375644	Unknown	66700	86530	43260	129800	127249442	1157826
ChlorobenzeneD5 (ISTD)	2375644	Unknown	153200	172800	86400	259200	127249442	1157826

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1157826	LCS	11.07	11.07	11.01	11.13	127249436	1157826
1,4-DichlorobenzeneD4 (ISTD)	1157826	LCS Dup	11.07	11.07	11.01	11.13	127249437	1157826
1,4-DichlorobenzeneD4 (ISTD)	1157826	Blank	11.07	11.07	11.01	11.13	127249438	1157826
ChlorobenzeneD5 (ISTD)	1157826	LCS	8.708	8.708	8.648	8.768	127249436	1157826
ChlorobenzeneD5 (ISTD)	1157826	LCS Dup	8.708	8.708	8.648	8.768	127249437	1157826
ChlorobenzeneD5 (ISTD)	1157826	Blank	8.714	8.708	8.648	8.768	127249438	1157826
1,4-DichlorobenzeneD4 (ISTD)	2374560	MS	11.07	11.07	11.01	11.13	127249440	1157826
1,4-DichlorobenzeneD4 (ISTD)	2374560	MSD	11.07	11.07	11.01	11.13	127249441	1157826
ChlorobenzeneD5 (ISTD)	2374560	MS	8.708	8.708	8.648	8.768	127249440	1157826
ChlorobenzeneD5 (ISTD)	2374560	MSD	8.708	8.708	8.648	8.768	127249441	1157826
1,4-DichlorobenzeneD4 (ISTD)	2375644	Unknown	11.07	11.07	11.01	11.13	127249442	1157826
ChlorobenzeneD5 (ISTD)	2375644	Unknown	8.714	8.708	8.648	8.768	127249442	1157826

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,1,1-Trichloroethane	1157826	20.4	21.2	20.0	70.0 - 130	102	106	ug/L	3.85	21.0
1,1,2,2-Tetrachloroethane	1157826	21.4	22.6	20.0	60.0 - 140	107	113	ug/L	5.45	36.0
1,1,2-Trichloroethane	1157826	22.0	22.8	20.0	70.0 - 130	110	114	ug/L	3.57	27.0
1,1-Dichloroethylene	1157826	18.2	19.0	20.0	50.0 - 150	91.0	95.0	ug/L	4.30	40.0
1,2-Dibromoethane (EDB)	1157826	19.4	19.8	20.0	78.4 - 122	97.0	99.0	ug/L	2.04	30.0
1,2-Dichloroethane	1157826	20.7	20.7	20.0	70.0 - 130	104	104	ug/L	0	29.0
1,2-Dichloropropane	1157826	21.4	21.5	20.0	35.0 - 165	107	108	ug/L	0.930	69.0
Benzene	1157826	21.3	21.8	20.0	65.0 - 135	106	109	ug/L	2.79	33.0
Bromodichloromethane	1157826	19.9	20.6	20.0	65.0 - 135	99.5	103	ug/L	3.46	34.0
Bromoform	1157826	19.8	20.1	20.0	70.0 - 130	99.0	100	ug/L	1.01	25.0
Carbon Tetrachloride	1157826	20.9	22.2	20.0	70.0 - 130	104	111	ug/L	6.51	26.0
Chlorobenzene	1157826	20.2	21.0	20.0	65.0 - 135	101	105	ug/L	3.88	29.0
Chloroform	1157826	20.7	20.8	20.0	70.0 - 135	104	104	ug/L	0	32.0
cis-1,3-Dichloropropene	1157826	17.2	17.7	20.0	25.0 - 175	86.0	88.5	ug/L	2.87	79.0
Dibromochloromethane	1157826	20.8	21.2	20.0	70.0 - 135	104	106	ug/L	1.90	30.0
Dichloromethane	1157826	18.1	18.3	20.0	60.0 - 140	90.5	91.5	ug/L	1.10	192
Ethylbenzene	1157826	20.8	21.6	20.0	60.0 - 140	104	108	ug/L	3.77	34.0
m-Dichlorobenzene (1,3-DCB)	1157826	18.8	19.9	20.0	70.0 - 130	94.0	99.5	ug/L	5.68	24.0
Methyl ethyl ketone (Butanone)	1157826	20.8	23.2	20.0	62.3 - 136	104	116	ug/L	10.9	30.0
o-Dichlorobenzene (1,2-DCB)	1157826	19.2	20.5	20.0	65.0 - 135	96.0	102	ug/L	6.06	31.0
p-Dichlorobenzene (1,4-DCB)	1157826	18.4	19.3	20.0	65.0 - 135	92.0	96.5	ug/L	4.77	31.0
Tetrachloroethylene	1157826	20.6	22.3	20.0	70.0 - 130	103	112	ug/L	8.37	23.0
Toluene	1157826	20.7	21.1	20.0	70.0 - 130	104	106	ug/L	1.90	22.0
trans-1,3-Dichloropropene	1157826	17.7	18.4	20.0	50.0 - 150	88.5	92.0	ug/L	3.88	52.0

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QUALITY CONTROL



SPL
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PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project

1133639

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Trichloroethylene	1157826	19.8	21.0	20.0	65.0 - 135	99.0	105	ug/L	5.88	29.0
Vinyl chloride	1157826	19.9	20.2	20.0	5.00 - 195	99.5	101	ug/L	1.50	100

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
1,1,1-Trichloroethane	2374560	100	107	ND	100	52.0 - 162	100	107	ug/L	6.76	36.0
1,1,2,2-Tetrachloroethane	2374560	100	109	ND	100	46.0 - 157	100	109	ug/L	8.61	61.0
1,1,2-Trichloroethane	2374560	107	116	ND	100	52.0 - 150	107	116	ug/L	8.07	45.0
1,1-Dichloroethylene	2374560	89.6	98.7	ND	100	0.100 - 234	89.6	98.7	ug/L	9.67	32.0
1,2-Dibromoethane (EDB)	2374560	91.2	100	ND	100	49.3 - 120	91.2	100	ug/L	9.21	30.0
1,2-Dichloroethane	2374560	99.8	106	ND	100	49.0 - 155	99.8	106	ug/L	6.03	49.0
1,2-Dichloropropane	2374560	102	109	ND	100	0.100 - 210	102	109	ug/L	6.64	55.0
Benzene	2374560	102	110	ND	100	37.0 - 151	102	110	ug/L	7.55	61.0
Bromodichloromethane	2374560	96.6	103	ND	100	35.0 - 155	96.6	103	ug/L	6.41	56.0
Bromoform	2374560	90.4	101	ND	100	45.0 - 169	90.4	101	ug/L	11.1	42.0
Carbon Tetrachloride	2374560	98.2	106	ND	100	70.0 - 140	98.2	106	ug/L	7.64	41.0
Chlorobenzene	2374560	96.8	107	ND	100	37.0 - 160	96.8	107	ug/L	10.0	53.0
Chloroform	2374560	107	116	9.10	100	51.0 - 138	97.9	107	ug/L	8.79	54.0
cis-1,3-Dichloropropene	2374560	81.5	88.0	ND	100	0.100 - 227	81.5	88.0	ug/L	7.67	58.0
Dibromochloromethane	2374560	98.8	106	ND	100	53.0 - 149	98.8	106	ug/L	7.03	50.0
Dichloromethane	2374560	85.8	92.4	ND	100	0.100 - 221	85.8	92.4	ug/L	7.41	28.0
Ethylbenzene	2374560	99.4	110	ND	100	37.0 - 162	99.4	110	ug/L	10.1	63.0
m-Dichlorobenzene (1,3-DCB)	2374560	88.3	102	ND	100	59.0 - 156	88.3	102	ug/L	14.4	43.0
Methyl ethyl ketone (Butanone)	2374560	110	119	ND	100	0.100 - 211	110	119	ug/L	7.86	30.0
o-Dichlorobenzene (1,2-DCB)	2374560	94.5	105	ND	100	18.0 - 190	94.5	105	ug/L	10.5	57.0
p-Dichlorobenzene (1,4-DCB)	2374560	87.6	99.3	ND	100	18.0 - 190	87.6	99.3	ug/L	12.5	57.0
Tetrachloroethylene	2374560	103	115	ND	100	64.0 - 148	103	115	ug/L	11.0	39.0
Toluene	2374560	99.3	108	ND	100	47.0 - 150	99.3	108	ug/L	8.39	41.0
trans-1,3-Dichloropropene	2374560	85.8	91.2	ND	100	17.0 - 183	85.8	91.2	ug/L	6.10	86.0
Trichloroethylene	2374560	95.2	107	ND	100	70.0 - 157	95.2	107	ug/L	11.7	48.0
Vinyl chloride	2374560	153	177	ND	100	0.100 - 251	153	177	ug/L	14.5	66.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURRE)	1157826	LCS	16.3	20.0	ug/L	81.5	70.0 - 130	127249436
1,2-DCA-d4 (SURRE)	1157826	LCS Dup	16.3	20.0	ug/L	81.5	70.0 - 130	127249437
1,2-DCA-d4 (SURRE)	1157826	Blank	16.5	20.0	ug/L	82.5	70.0 - 130	127249438
Bromofluorobenzene (SURRE)	1157826	LCS	19.9	20.0	ug/L	99.5	70.0 - 130	127249436
Bromofluorobenzene (SURRE)	1157826	LCS Dup	19.2	20.0	ug/L	96.0	70.0 - 130	127249437
Bromofluorobenzene (SURRE)	1157826	Blank	17.9	20.0	ug/L	89.5	70.0 - 130	127249438
Dibromofluoromethane (SURRE)	1157826	LCS	16.8	20.0	ug/L	84.0	70.0 - 130	127249436
Dibromofluoromethane (SURRE)	1157826	LCS Dup	17.1	20.0	ug/L	85.5	70.0 - 130	127249437
Dibromofluoromethane (SURRE)	1157826	Blank	16.8	20.0	ug/L	84.0	70.0 - 130	127249438
TolueneD8 (SURRE)	1157826	LCS	17.4	20.0	ug/L	87.0	70.0 - 130	127249436
TolueneD8 (SURRE)	1157826	LCS Dup	17.2	20.0	ug/L	86.0	70.0 - 130	127249437

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PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

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Surrogate								
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
TolueneD8 (SURRE)	1157826	Blank	16.2	20.0	ug/L	81.0	70.0 - 130	127249438
1,2-DCA-d4 (SURRE)	2374560	MS	16.2	20.0	ug/L	81.0	70.0 - 130	127249440
1,2-DCA-d4 (SURRE)	2374560	MSD	16.5	20.0	ug/L	82.5	70.0 - 130	127249441
Bromofluorobenzene (SURRE)	2374560	MS	19.5	20.0	ug/L	97.5	70.0 - 130	127249440
Bromofluorobenzene (SURRE)	2374560	MSD	19.2	20.0	ug/L	96.0	70.0 - 130	127249441
Dibromofluoromethane (SURRE)	2374560	MS	16.9	20.0	ug/L	84.5	70.0 - 130	127249440
Dibromofluoromethane (SURRE)	2374560	MSD	17.3	20.0	ug/L	86.5	70.0 - 130	127249441
TolueneD8 (SURRE)	2374560	MS	17.2	20.0	ug/L	86.0	70.0 - 130	127249440
TolueneD8 (SURRE)	2374560	MSD	17.4	20.0	ug/L	87.0	70.0 - 130	127249441
1,2-DCA-d4 (SURRE)	2375644	Unknown	16.9	20.0	ug/L	84.5	70.0 - 130	127249442
Bromofluorobenzene (SURRE)	2375644	Unknown	17.6	20.0	ug/L	88.0	70.0 - 130	127249442
Dibromofluoromethane (SURRE)	2375644	Unknown	16.4	20.0	ug/L	82.0	70.0 - 130	127249442
TolueneD8 (SURRE)	2375644	Unknown	16.0	20.0	ug/L	80.0	70.0 - 130	127249442

Analytical Set

1158675

EPA 625.1

Blank						
Parameter	PrepSet	Reading	MDL	MLQ	Units	File
1,2,4,5-Tetrachlorobenzene	1157914	ND	0.517	1.00	ug/L	127266246
1,2-Dichlorobenzene	1157914	ND	0.598	1.00	ug/L	127266246
1,3-Dichlorobenzene	1157914	ND	0.686	1.00	ug/L	127266246
1,4-Dichlorobenzene	1157914	ND	0.633	1.00	ug/L	127266246
2,4,5-Trichlorophenol	1157914	ND	0.734	1.00	ug/L	127266246
2,4-Dimethylphenol	1157914	ND	2.32	2.40	ug/L	127266246
2-Methylphenol (o-Cresol)	1157914	ND	5.13	5.20	ug/L	127266246
3&4-Methylphenol (m&p-Cresol)	1157914	ND	6.15	6.20	ug/L	127266246
3,3'-Dichlorobenzidine	1157914	ND	4.79	5.00	ug/L	127266246
Anthracene	1157914	ND	0.538	1.00	ug/L	127266246
Benzidine	1157914	ND	19.9	20.0	ug/L	127266246
Benzo(a)anthracene	1157914	ND	0.627	1.00	ug/L	127266246
Benzo(a)pyrene	1157914	ND	0.478	1.00	ug/L	127266246
Bis(2-chloroethyl)ether	1157914	ND	0.434	1.00	ug/L	127266246
Bis(2-ethylhexyl)phthalate	1157914	ND	1.63	7.50	ug/L	127266246
Chrysene (Benzo(a)phenanthrene)	1157914	ND	0.575	1.00	ug/L	127266246
Di-n-butylphthalate	1157914	ND	0.834	7.50	ug/L	127266246
Hexachlorobenzene	1157914	ND	0.187	1.00	ug/L	127266246
Hexachlorobutadiene	1157914	ND	0.618	1.00	ug/L	127266246
Hexachlorocyclopentadiene	1157914	ND	8.69	9.00	ug/L	127266246
Hexachloroethane	1157914	ND	0.789	1.00	ug/L	127266246
Nitrobenzene	1157914	ND	0.390	1.00	ug/L	127266246
n-Nitrosodiethylamine	1157914	ND	0.282	1.00	ug/L	127266246
n-Nitroso-di-n-butylamine	1157914	ND	0.403	1.00	ug/L	127266246
Pentachlorobenzene	1157914	ND	0.420	1.00	ug/L	127266246
Pentachlorophenol	1157914	0.870	0.129	1.00	ug/L	127266246
Phenanthrene	1157914	ND	0.624	1.00	ug/L	127266246

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PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
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Brownsville, TX 78520-

Project

1133639

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Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Pyridine	1157914	ND	5.33	5.40	ug/L	127266246

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
1,2,4,5-Tetrachlorobenzene	49100	50000	ug/L	98.2	60.0 - 140	127266245
1,2-Dichlorobenzene	55900	50000	ug/L	112	60.0 - 140	127266245
1,3-Dichlorobenzene	55500	50000	ug/L	111	60.0 - 140	127266245
1,4-Dichlorobenzene	54200	50000	ug/L	108	60.0 - 140	127266245
2,4,5-Trichlorophenol	50000	50000	ug/L	100	69.0 - 130	127266245
2,4-Dimethylphenol	44700	50000	ug/L	89.4	58.0 - 130	127266245
2-Methylphenol (o-Cresol)	45400	50000	ug/L	90.8	60.0 - 140	127266245
3&4-Methylphenol (m&p-Cresol)	46100	50000	ug/L	92.2	60.0 - 140	127266245
3,3'-Dichlorobenzidine	46000	50000	ug/L	92.0	18.0 - 213	127266245
Anthracene	56200	50000	ug/L	112	58.0 - 130	127266245
Benidine	21100	50000	ug/L	42.2	20.0 - 180	127266245
Benzo(a)anthracene	56500	50000	ug/L	113	42.0 - 133	127266245
Benzo(a)pyrene	57900	50000	ug/L	116	32.0 - 148	127266245
Bis(2-chloroethyl)ether	55800	50000	ug/L	112	52.0 - 130	127266245
Bis(2-ethylhexyl)phthalate	68600	50000	ug/L	137	43.0 - 137	127266245
Chrysene (Benzo(a)phenanthrene)	59200	50000	ug/L	118	44.0 - 140	127266245
Di-n-butylphthalate	55400	50000	ug/L	111	52.0 - 130	127266245
Hexachlorobenzene	53800	50000	ug/L	108	38.0 - 142	127266245
Hexachlorobutadiene	53000	50000	ug/L	106	68.0 - 130	127266245
Hexachlorocyclopentadiene	49100	50000	ug/L	98.2	60.0 - 140	127266245
Hexachloroethane	55600	50000	ug/L	111	55.0 - 130	127266245
Nitrobenzene	55700	50000	ug/L	111	54.0 - 158	127266245
n-Nitrosodiethylamine	56300	50000	ug/L	113	60.0 - 140	127266245
n-Nitroso-di-n-butylamine	56500	50000	ug/L	113	60.0 - 140	127266245
Pentachlorobenzene	54200	50000	ug/L	108	60.0 - 140	127266245
Pentachlorophenol	42700	50000	ug/L	85.4	42.0 - 152	127266245
Phenanthrene	52600	50000	ug/L	105	67.0 - 130	127266245
Pyridine	51200	50000	ug/L	102	60.0 - 140	127266245

DFTPP

<u>Parameter</u>		<u>RefMass</u>	<u>Reading</u>	<u>%</u>	<u>Limits%</u>	<u>File</u>
DFTPP Mass 127	629198	198	69662	55.0	40.0 - 60.0	127266243
DFTPP Mass 197	629198	198	0	0.0	0 - 1.00	127266243
DFTPP Mass 198	629198	198	126701	100.0	100 - 100	127266243
DFTPP Mass 199	629198	198	8405	6.6	5.00 - 9.00	127266243
DFTPP Mass 275	629198	198	27968	22.1	10.0 - 30.0	127266243
DFTPP Mass 365	629198	198	2925	2.3	1.00 - 100	127266243
DFTPP Mass 441	629198	443	10753	77.2	0 - 100	127266243
DFTPP Mass 442	629198	198	71218	56.2	40.0 - 100	127266243
DFTPP Mass 443	629198	442	13925	19.6	17.0 - 23.0	127266243
DFTPP Mass 51	629198	198	48061	37.9	30.0 - 60.0	127266243

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Public Utilities Board
 R. Capistran/J Lechuga
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Project
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DFTPP

<u>Parameter</u>		<u>RefMass</u>	<u>Reading</u>	<u>%</u>	<u>Limits%</u>	<u>File</u>
DFTPP Mass 68	629198	69.0	352	0.6	0 - 2.00	127266243
DFTPP Mass 69	629198	198	57553	45.4	0 - 100	127266243
DFTPP Mass 70	629198	69.0	248	0.4	0 - 2.00	127266243

LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
1,2,4,5-Tetrachlorobenzene	1157914	18.2	17.2	25.0	27.5 - 85.5	72.8	68.8	ug/L	5.65	50.0
1,2-Dichlorobenzene	1157914	16.6	16.7	25.0	23.0 - 81.8	66.4	66.8	ug/L	0.601	50.0
1,3-Dichlorobenzene	1157914	15.8	16.0	25.0	21.1 - 80.5	63.2	64.0	ug/L	1.26	50.0
1,4-Dichlorobenzene	1157914	16.0	16.2	25.0	21.4 - 76.9	64.0	64.8	ug/L	1.24	50.0
2,4,5-Trichlorophenol	1157914	17.7	17.6	25.0	51.3 - 109	70.8	70.4	ug/L	0.567	50.0
2,4-Dimethylphenol	1157914	1.48	0.900	25.0	23.0 - 120	5.92 *	3.60 *	ug/L	48.7	68.0
2-Methylphenol (o-Cresol)	1157914	11.1	10.1	25.0	38.9 - 76.1	44.4	40.4	ug/L	9.43	50.0
3&4-Methylphenol (m&p-Cresol)	1157914	9.49	8.54	25.0	33.0 - 70.4	38.0	34.2	ug/L	10.5	50.0
3,3'-Dichlorobenzidine	1157914	14.1	13.6	25.0	0.100 - 262	56.4	54.4	ug/L	3.61	108
Anthracene	1157914	21.5	21.0	25.0	27.0 - 133	86.0	84.0	ug/L	2.35	66.0
Benzo(a)anthracene	1157914	21.2	20.5	25.0	33.0 - 143	84.8	82.0	ug/L	3.36	53.0
Benzo(a)pyrene	1157914	22.4	21.2	25.0	17.0 - 163	89.6	84.8	ug/L	5.50	72.0
Bis(2-chloroethyl)ether	1157914	20.8	21.1	25.0	12.0 - 158	83.2	84.4	ug/L	1.43	108
Bis(2-ethylhexyl)phthalate	1157914	21.6	20.8	25.0	8.00 - 158	86.4	83.2	ug/L	3.77	82.0
Chrysene (Benzo(a)phenanthrene)	1157914	22.2	21.7	25.0	17.0 - 168	88.8	86.8	ug/L	2.28	87.0
Di-n-butylphthalate	1157914	24.0	23.6	25.0	1.00 - 120	96.0	94.4	ug/L	1.68	47.0
Hexachlorobenzene	1157914	19.6	19.2	25.0	0.100 - 152	78.4	76.8	ug/L	2.06	55.0
Hexachlorobutadiene	1157914	14.3	14.6	25.0	24.0 - 120	57.2	58.4	ug/L	2.08	62.0
Hexachlorocyclopentadiene	1157914	13.2	12.2	25.0	3.97 - 68.7	52.8	48.8	ug/L	7.87	50.0
Hexachloroethane	1157914	14.9	15.2	25.0	40.0 - 120	59.6	60.8	ug/L	1.99	52.0
Nitrobenzene	1157914	20.9	21.0	25.0	35.0 - 180	83.6	84.0	ug/L	0.477	62.0
n-Nitrosodiethylamine	1157914	19.4	19.2	25.0	18.0 - 100	77.6	76.8	ug/L	1.04	50.0
n-Nitroso-di-n-butylamine	1157914	19.1	18.8	25.0	48.4 - 98.5	76.4	75.2	ug/L	1.58	50.0
Pentachlorobenzene	1157914	18.8	18.4	25.0	39.3 - 93.7	75.2	73.6	ug/L	2.15	50.0
Pentachlorophenol	1157914	15.7	15.5	25.0	14.0 - 176	62.8	62.0	ug/L	1.28	86.0
Phenanthrene	1157914	21.5	21.1	25.0	54.0 - 120	86.0	84.4	ug/L	1.88	39.0
Pyridine	1157914	12.3	12.4	25.0	11.2 - 50.6	49.2	49.6	ug/L	0.810	50.0

Surrogate

<u>Parameter</u>	<u>Sample</u>	<u>Type</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
2,4,6-Tribromophenol	629304	CCV	59700	100000	ug/L	59.7	10.0 - 150	127266245
2-Fluorophenol-SURR	629304	CCV	56500	100000	ug/L	56.5	10.0 - 150	127266245
4-Terphenyl-d14-SURR	629304	CCV	57800	50000	ug/L	116	30.0 - 150	127266245
Nitrobenzene-d5-SURR	629304	CCV	52600	50000	ug/L	105	30.0 - 150	127266245
Phenol-d6-SURR	629304	CCV	57600	100000	ug/L	57.6	10.0 - 150	127266245
2,4,6-Tribromophenol	1157914	Blank	40.6	100	ug/L	40.6	10.0 - 150	127266246
2,4,6-Tribromophenol	1157914	LCS	58.2	100	ug/L	58.2	10.0 - 150	127266247
2,4,6-Tribromophenol	1157914	LCS Dup	57.4	100	ug/L	57.4	10.0 - 150	127266248
2-Fluorophenol-SURR	1157914	Blank	36400	100000	ug/L	36.4	10.0 - 150	127266246

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QUALITY CONTROL



PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
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Surrogate								
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2-Fluorophenol-SURR	1157914	LCS	41500	100000	ug/L	41.5	10.0 - 150	127266247
2-Fluorophenol-SURR	1157914	LCS Dup	43800	100000	ug/L	43.8	10.0 - 150	127266248
4-Terphenyl-d14-SURR	1157914	Blank	32900	50000	ug/L	65.8	30.0 - 150	127266246
4-Terphenyl-d14-SURR	1157914	LCS	34300	50000	ug/L	68.6	30.0 - 150	127266247
4-Terphenyl-d14-SURR	1157914	LCS Dup	33800	50000	ug/L	67.6	30.0 - 150	127266248
Nitrobenzene-d5-SURR	1157914	Blank	38200	50000	ug/L	76.4	30.0 - 150	127266246
Nitrobenzene-d5-SURR	1157914	LCS	36100	50000	ug/L	72.2	30.0 - 150	127266247
Nitrobenzene-d5-SURR	1157914	LCS Dup	36200	50000	ug/L	72.4	30.0 - 150	127266248
Phenol-d6-SURR	1157914	Blank	27400	100000	ug/L	27.4	10.0 - 150	127266246
Phenol-d6-SURR	1157914	LCS	28400	100000	ug/L	28.4	10.0 - 150	127266247
Phenol-d6-SURR	1157914	LCS Dup	29600	100000	ug/L	29.6	10.0 - 150	127266248
2,4,6-Tribromophenol	2375644	Unknown	47.9	100	ug/L	47.9	10.0 - 150	127266255
2-Fluorophenol-SURR	2375644	Unknown	29.2	100	ug/L	29.2	10.0 - 150	127266255
4-Terphenyl-d14-SURR	2375644	Unknown	34.8	50.1	ug/L	69.5	30.0 - 150	127266255
Nitrobenzene-d5-SURR	2375644	Unknown	33.5	50.1	ug/L	66.9	30.0 - 150	127266255
Phenol-d6-SURR	2375644	Unknown	16.2	100	ug/L	16.2	10.0 - 150	127266255

Analytical Set

1158796

EPA 608.3

Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
PCB-1016	1158311	ND	0.202	0.202	ug/L	127268491
PCB-1221	1158311	ND	0.143	0.200	ug/L	127268491
PCB-1232	1158311	ND	0.143	0.200	ug/L	127268491
PCB-1242	1158311	ND	0.192	0.200	ug/L	127268491
PCB-1248	1158311	ND	0.143	0.200	ug/L	127268491
PCB-1254	1158311	ND	0.143	0.200	ug/L	127268491
PCB-1260	1158311	ND	0.161	0.200	ug/L	127268491
PCB-1262	1158311	ND	0.198	0.200	ug/L	127268491
PCB-1268	1158311	ND	0.143	0.200	ug/L	127268491

CCV						
Parameter	Reading	Known	Units	Recover%	Limits%	File
PCB-1016	1010	1000	ug/L	101	80.0 - 115	127268490
PCB-1016	870	1000	ug/L	87.0	80.0 - 115	127268495
PCB-1016	1250	1000	ug/L	125	80.0 - 115 *	127268499
PCB-1260	1000	1000	ug/L	100	80.0 - 115	127268490
PCB-1260	950	1000	ug/L	95.0	80.0 - 115	127268495
PCB-1260	1140	1000	ug/L	114	80.0 - 115	127268499

LCS Dup										
Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
PCB-1016	1158311	6.27	6.74	10.0	39.8 - 135	62.7	67.4	ug/L	7.23	30.0
PCB-1260	1158311	7.53	7.17	10.0	36.1 - 134	75.3	71.7	ug/L	4.90	30.0

Surrogate								
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File

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Surrogate								
<u>Parameter</u>	<u>Sample</u>	<u>Type</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Decachlorobiphenyl	1158311	Blank	88.4	100	ug/L	88.4	10.0 - 200	127268491
Tetrachloro-m-Xylene (Surr)	1158311	Blank	68.4	100	ug/L	68.4	10.0 - 200	127268491
Decachlorobiphenyl	2375644	Unknown	0.815	0.995	ug/L	81.9	10.0 - 200	127268496
Tetrachloro-m-Xylene (Surr)	2375644	Unknown	0.542	0.995	ug/L	54.5	10.0 - 200	127268496

Analytical Set

1160481
ASTM D7065-17

Blank						
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Nonylphenol	1159778	ND	5.00	30.0	ug/L	127304079

CCV						
<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Nonylphenol	298000	300000	ug/L	99.4	70.0 - 130	127304078
Nonylphenol	289000	300000	ug/L	96.4	70.0 - 130	127304089

IS Areas								
<u>Parameter</u>	<u>Sample</u>	<u>Type</u>	<u>Reading</u>	<u>CCVISM</u>	<u>Low</u>	<u>High</u>	<u>File</u>	<u>PrepSet</u>
Acenaphthene-d10-ISTD	626988	CCV	1068000	1068000	534200	1602000	127304078	626988
Acenaphthene-d10-ISTD	626988	CCV	1056000	1068000	534200	1602000	127304089	626988
Phenanthrene-d10-ISTD	626988	CCV	1424000	1424000	712000	2136000	127304078	626988
Phenanthrene-d10-ISTD	626988	CCV	1399000	1424000	712000	2136000	127304089	626988
Acenaphthene-d10-ISTD	1159778	Blank	898000	1068000	534200	1602000	127304079	1159778
Acenaphthene-d10-ISTD	1159778	LCS	938900	1068000	534200	1602000	127304080	1159778
Acenaphthene-d10-ISTD	1159778	LCS Dup	1054000	1068000	534200	1602000	127304081	1159778
Phenanthrene-d10-ISTD	1159778	Blank	1328000	1424000	712000	2136000	127304079	1159778
Phenanthrene-d10-ISTD	1159778	LCS	1350000	1424000	712000	2136000	127304080	1159778
Phenanthrene-d10-ISTD	1159778	LCS Dup	1384000	1424000	712000	2136000	127304081	1159778
Acenaphthene-d10-ISTD	2375644	Unknown	958400	1068000	534200	1602000	127304082	1159778
Phenanthrene-d10-ISTD	2375644	Unknown	1395000	1424000	712000	2136000	127304082	1159778

IS RetTime								
<u>Parameter</u>	<u>Sample</u>	<u>Type</u>	<u>Reading</u>	<u>CCVISM</u>	<u>Low</u>	<u>High</u>	<u>File</u>	<u>PrepSet</u>
Acenaphthene-d10-ISTD	626988	CCV	7.359	7.359	7.299	7.419	127304078	626988
Acenaphthene-d10-ISTD	626988	CCV	7.370	7.359	7.299	7.419	127304089	626988
Phenanthrene-d10-ISTD	626988	CCV	8.609	8.609	8.549	8.669	127304078	626988
Phenanthrene-d10-ISTD	626988	CCV	8.615	8.609	8.549	8.669	127304089	626988
Acenaphthene-d10-ISTD	1159778	Blank	7.365	7.359	7.299	7.419	127304079	1159778
Acenaphthene-d10-ISTD	1159778	LCS	7.359	7.359	7.299	7.419	127304080	1159778
Acenaphthene-d10-ISTD	1159778	LCS Dup	7.359	7.359	7.299	7.419	127304081	1159778
Phenanthrene-d10-ISTD	1159778	Blank	8.609	8.609	8.549	8.669	127304079	1159778
Phenanthrene-d10-ISTD	1159778	LCS	8.609	8.609	8.549	8.669	127304080	1159778
Phenanthrene-d10-ISTD	1159778	LCS Dup	8.609	8.609	8.549	8.669	127304081	1159778
Acenaphthene-d10-ISTD	2375644	Unknown	7.371	7.359	7.299	7.419	127304082	1159778
Phenanthrene-d10-ISTD	2375644	Unknown	8.615	8.609	8.549	8.669	127304082	1159778

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QUALITY CONTROL



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LCS Dup										
Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Nonylphenol	1159778	83.3	63.8	150	56.0 - 112	55.5 *	42.5 *	ug/L	26.5	30.0

Surrogate										
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File		
4-Nonylphenol-SURR	626988	CCV	48900	50000	ug/L	97.8	50.0 - 130	127304078		
4-Nonylphenol-SURR	626988	CCV	47600	50000	ug/L	95.2	50.0 - 130	127304089		
4-Nonylphenol-SURR	1159778	Blank	6760	25000	ug/L	27.0 *	50.0 - 130	127304079		
4-Nonylphenol-SURR	1159778	LCS	12700	25000	ug/L	50.8	50.0 - 130	127304080		
4-Nonylphenol-SURR	1159778	LCS Dup	11600	25000	ug/L	46.4 *	50.0 - 130	127304081		
4-Nonylphenol-SURR	2375644	Unknown	-1.22	30.4	ug/L	-4.01 *	50.0 - 130	127304082		

Analytical Set 1158074

SM 2320 B-2011

Blank										
Parameter	PrepSet	Reading	MDL	MQL	Units			File		
Total Alkalinity (as CaCO3)	1158074	ND	1.00	1.00	mg/L			127254435		

CCV										
Parameter	Reading	Known	Units	Recover%	Limits%			File		
Total Alkalinity (as CaCO3)	27.3	25.0	mg/L	109	90.0 - 110			127254434		
Total Alkalinity (as CaCO3)	25.3	25.0	mg/L	101	90.0 - 110			127254448		
Total Alkalinity (as CaCO3)	24.8	25.0	mg/L	99.2	90.0 - 110			127254461		

Duplicate										
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%				
Total Alkalinity (as CaCO3)	2374128	117	115	mg/L	1.72	20.0				
Total Alkalinity (as CaCO3)	2374811	205	212	mg/L	3.36	20.0				

ICV										
Parameter	Reading	Known	Units	Recover%	Limits%			File		
Total Alkalinity (as CaCO3)	27.3	25.0	mg/L	109	90.0 - 110			127254433		

Mat. Spike										
Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File		
Total Alkalinity (as CaCO3)	2374128	141	115	25.0	mg/L	104	70.0 - 130	127254438		
Total Alkalinity (as CaCO3)	2374811	236	212	25.0	mg/L	96.0	70.0 - 130	127254451		

Analytical Set 1158292

SM 5220 D-2011

Blank										
Parameter	PrepSet	Reading	MDL	MQL	Units			File		
Chemical Oxygen Demand	1158292	ND	20.0	20.0	mg/L			127259396		

CCV										
Parameter	Reading	Known	Units	Recover%	Limits%			File		
Chemical Oxygen Demand	405	400	mg/L	101	90.0 - 110			127259397		

Duplicate										
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%				

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Duplicate						
<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Chemical Oxygen Demand	2375253	22.4	24.5	mg/L	8.96	20.0
Chemical Oxygen Demand	2375644	20.3	22.4	mg/L	9.84	20.0
LCS						
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>
Chemical Oxygen Demand	1158292	202	200	mg/L	101	90.0 - 110
Mat. Spike						
<u>Parameter</u>	<u>Sample</u>	<u>Spike</u>	<u>Unknown</u>	<u>Known</u>	<u>Units</u>	<u>Recovery %</u>
Chemical Oxygen Demand	2375253	235	24.5	220	mg/L	95.7
Chemical Oxygen Demand	2375644	242	22.4	220	mg/L	99.8

* Out RPD is Relative Percent Difference: $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent: $\text{result} / \text{known} * 100\%$

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); 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 standard 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 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.); CCB - Continuing Calibration Blank; 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.); MRL Check - Minimum Reporting Limit Check Std; DFTPP - GC/MS Tuning Compound; 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.)

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CHAIN OF CUSTODY

Public Utilities Board
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1425 Robinhood Drive
Brownsville, TX 78520-

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108

Lab Number 2375644
PO Number P2302002
Phone 956/983-6511

SRWA Outfall 001 Permit
☐ Hand Delivered by Client to Region or LAB
Matrix: Non-Potable Water

Sample Collection Start

Date: 1-23-25 Time: 15:45Sampler Printed Name: Frank Gamez III - SPL, Inc.

Sampler Affiliation: _____

Sampler Signature: _____

Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐
☒ **On Site Testing**

NELAC

CI2O

CI2 Res., Total(Onsite)Spec Mid

SM 4500-CI G-2011

CI2 Res., Total(Onsite)Spec Mid

Collected By FG3 Date 1-23-25 Time 15:45 Analyzed By FG3 Date 1-23-25 Time 15:50Results 0.00 Units mg/L Temp. 22.7 C Duplicate _____ Units _____ Temp. _____ CR1 0.00 R2 0.00 QC R1 _____ QC R2 _____

CICk Field CI2 Check for CNa

Field CI2 Check for CNa

Collected By FG3 Date 1-23-25 Time 15:45 Analyzed By FG3 Date 1-23-25 Time 15:50Results ND Units mg/L Temp. 22.7 C Duplicate _____ Units _____ Temp. _____ C

R1 _____ R2 _____ QC R1 _____ QC R2 _____

NELAC Short Hold

Cr6F

Hex Cr, Field Preservation

SM 3500-Cr B-2011 CAS:18540-29-9 (1.00 days)



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Hex Cr, Field Preservation

Collected By FG3 Date 1-23-25 Time 15:45 Analyzed By FG3 Date 1-23-25 Time 15:48

NELAC Short Hold

DO

Dissolved Oxygen Onsite

SM 4500-O G-2016 (0.0104 days)

Dissolved Oxygen Onsite

Collected By FG3 Date 1-23-25 Time 15:45 Analyzed By FG3 Date 1-23-25 Time 15:48

Results 5.02 Units mg/L Temp. 22.7 C Duplicate 5.00 Units mg/L Temp. 22.9 C

NELAC Short Hold

pH

pH (Onsite)

SM 4500-H+ B-2011 (0.0104 days)

pH (Onsite)

Collected By FG3 Date 1-23-25 Time 15:45 Analyzed By FG3 Date 1-23-25 Time 15:47

Results 7.53 Units S.U. Temp. 22.7 C Duplicate Units Temp. C

S2Ck Field Sulfide Check for CNa

Field Sulfide Check for CNa

Collected By FG3 Date 1-23-25 Time 15:45 Analyzed By FG3 Date 1-23-25 Time 15:46

Results Negative Units mg/L Temp. 22.7 C Duplicate Units Temp. C
R1 R2 QC R1 QC R2

NELAC Short Hold

Temp

Temperature (onsite)

SM 2550 B - 2010 (0.0104 days)



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

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Temperature (onsite)

Collected By FG3 Date 1-23-25 Time 15:45 Analyzed By FG3 Date 1-23-25 Time 15:48

Results 22.7 Units °C Duplicate 22.9 Units °C

1	Amber Glass Qt w/Teflon lined lid		
NELAC	IPCB	Polychlorinated Biphenyls	EPA 608.3 (7.00 days)
2	Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid		
NELAC Short Hold	019E	Acrylonitrile Exp.	EPA 624.1 (3.00 days)
2	H2SO4 to pH <2 GIQt w/Tef-lined lid		
	NYPE	Nonyl Phenol Expansion	ASTM D7065-17 (14.0 days)
2	H2SO4 to pH <2 GIQt w/Tef-lined lid		
NELAC	HEM	Oil and Grease (HEM)	EPA 1664B (HEM) (28.0 days)
1	H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid		
NELAC	TOCL	Total Organic Carbon	SM 5310 C-2014 (28.0 days)
1	Amber Glass Qt w/Teflon lined lid		
NELAC	TEES	TEEX SVOC	EPA 625.1 (7.00 days)
1	Polyethylene 1/2 gal (White)		
NELAC Short Hold	BOD	Biochemical Oxygen Demand (BOD5)	SM 5210 B-2016 CAS:1026-3 (2.04 days)
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		
NELAC Short Hold	Cr+3	Trivalent Chromium	Calculation CAS:16065-83-1 (1.00 days)
	LAB1	Labor - 1 Hour	
1	HNO3 to pH <2 Polyethylene 500 mL for Metals		



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NELAC

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NELAC	*AgM	Silver, Total	EPA 200.8 5.4 CAS:7440-22-4 (180 days)
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	*PI	Phosphorus	EPA 200.7 4.4 CAS:7723-14-0 (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	BD3V	BND Table 3.0 VOC Expansion	EPA 624.1 (3.00 days)

2 H2SO4 to pH <2 250 ml Polyethylene

NELAC	COD	Chemical Oxygen Demand	SM 5220 D-2011 (28.0 days)
NELAC	NH4N	Ammonia Nitrogen	EPA 350.1 2 (28.0 days)
	OrgN	Nitrogen, Total Organic (as N)	EPA 351.2 minus EPA 350.1 (28.0 days)
NELAC	TKN	Total Kjeldahl Nitrogen	EPA 351.2 2 CAS:7727-37-9 (28.0 days)

1 Glass /clean metals w/HCl

NELAC	*HgI	Mercury, Total (low level)	EPA 245.7 2 CAS:7439-97-6 (90.0 days)
NELAC	245I	Low Level Mercury Liquid Metals	EPA 245.7 2 (90.0 days)

2 NaOH to pH >12 Polyethylene 250 mL/amber



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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

CNCI

Cyanide After Chlorination

SM 4500-CN⁻ G-2016 (14.0 days)

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1 Polyethylene Quart

NELAC

ICIL

Chloride

EPA 300.0 2.1 (28.0 days)

NELAC

IFIL

Fluoride

EPA 300.0 2.1 (28.0 days)

NELAC Short Hold

IN3L

Nitrate-Nitrogen Total

EPA 300.0 2.1 CAS:14797-55-8 (2.00 days)

NELAC

IS4L

Sulfate

EPA 300.0 2.1 (28.0 days)

NELAC

AlkT

Total Alkalinity (as CaCO₃)

SM 2320 B-2011 (14.0 days)

NELAC

TDS

Total Dissolved Solids

SM 2540 C-2015 (7.00 days)

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
1/23/25	17:30	Printed Name: Frank Gamez III - SPL, Inc. Signature: [Signature]	Printed Name: [Signature] Signature: Fedex
1/24/25	10:35	Printed Name: [Signature] Signature: FEDEY	Printed Name: McCabe Wheeler SPL, Inc. Signature: [Signature]
		Printed Name: [Signature] Signature: [Signature]	Printed Name: [Signature] Signature: [Signature]
		Printed Name: [Signature] Signature: [Signature]	Printed Name: [Signature] 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, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000323.

Comments



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

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1133639 CoC Print Group 001 of 001

ORIGIN ID: H555-555-555		SHIP DATE: 23 JAN 2008	
ANA LAB / R		ACTWT: 59.05 LB	
2401 VILLAGE DR STE C		CAD: 6994257/88FE256	
BROWNSVILLE, TX 77821		DIMS: 24x14x13 IN	
UNITED STATES US		BILL THIRD PARTY	

TO **LOGIN**
SPL
2600 DODLEY RD
KILGORE TX 75662

(555) 555-5555 REF: INU: PO:

FedEx
Express

TRK 80863186 8956 0200

XS GGGA

75662 SHV

24 JAN 10 30A
PRIORITY OVERNIGHT

Date	Time	Tech
1/24/05	1402	mmv
Temp:	2-6/2.0	C
Therm#: 6205 Corr Fact: -0.6 C		



February 05, 2025

Christi Parker
SPL Labs - Kilgore
2600 Dudley Rd
Kilgore, TX 75662
TEL: (903) 984-0551
FAX:
RE: 2375644

Order No.: 2501317

Dear Christi Parker:

DHL Analytical, Inc. received 1 sample on 01/29/2025 for the analyses presented in the following report.

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

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

Sincerely,

A handwritten signature in black ink that reads "Karyn Lane".

Karyn Lane
Laboratory Manager

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



Table of Contents

Miscellaneous Documents	3
CaseNarrative 2501317	6
WorkOrderSampleSummary 2501317	7
Analytical Report 2501317	8
AnalyticalQCSummaryReport 2501317	9

DHL WO #2501317

SENT TO DHL

1/27/2025

SAMPLE ID DATE TAKEN TIME TAKEN

01

2374742	1/20/2025	10:00:00	TOC
2374767	1/17/2025	9:00:00	TOC
2374768	1/17/2025	9:00:00	TOC
2375252	1/23/2025	10:15:00	TOC
2375254	1/23/2025	9:20:00	TOC
2375644	1/23/2025	15:45:00	TOC
2375657	1/21/2025	11:00:00	TOC
2375660	1/20/2025	11:00:00	TOC

RELENGISHED BY:

SIGNATURE

Day Swann
FedEx
FedEx

DATE/TIME

1-28-25
1-28-25
1-29-25 0920

RECEIVED BY:

SIGNATURE

[Signature]

DATE/TIME

1-29-25 0920

PLEASE SEND SEPARATE REPORT FOR EACH SAMPLE

Temp: 2.0°C
Therm: 78
No Custody Seals
Via FedEx

ORIGIN ID:GGGA (903) 984-0551
MIKE GRIBBLE
RNA-LAB CORPORATION
2600 DUDLEY RD

KILGORE, TX 75662
UNITED STATES US

SHIP DATE: 28JAN25
ACTWT: 24.00 LB MAN
CAD: 0849542/CAFE3855
DIMS: 17x15x15 IN

BILL SENDER

TO **SUBCONTRACT SAMPLES**

DHL1

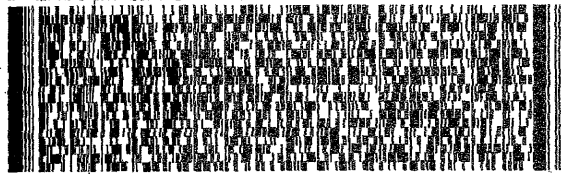
2300 DOUBLE CREEK DR

ROUND ROCK TX 78664

(512) 388-8222

REF:

DEPT:



FedEx
Express

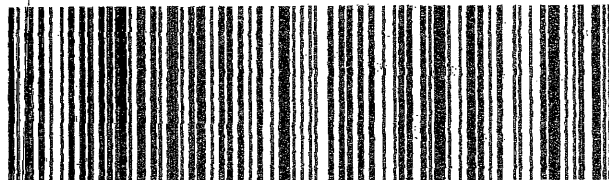


TRK# 4131 9516 7235
0201

WED - 29 JAN 10:30A
PRIORITY OVERNIGHT

XS BSMA

78664
TX-US AUS



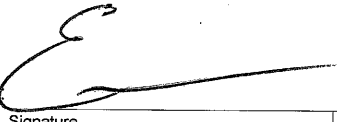
Sample Receipt Checklist

Client Name: SPL Labs - Kilgore

Date Received: 1/29/2025

Work Order Number: 2501317

Received by: KL

Checklist completed by: 

1/30/2025

Signature

Date

Reviewed by: 

1/30/2025

Initials

Date

Carrier name: FedEx 1day

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

Cooler # 1
Temp °C 2.0
Seal Intact NP

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

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

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action: _____

CLIENT: SPL Labs - Kilgore
Project: 2375644
Lab Order: 2501317

CASE NARRATIVE

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

TOC Analysis by Method M5310C

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

CLIENT: SPL Labs - Kilgore
Project: 2375644
Lab Order: 2501317

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2501317-01	2375644		01/23/25 03:45 PM	01/29/2025

DHL Analytical, Inc.**Date:** 05-Feb-25

CLIENT: SPL Labs - Kilgore
Project: 2375644
Project No:
Lab Order: 2501317

Client Sample ID: 2375644
Lab ID: 2501317-01
Collection Date: 01/23/25 03:45 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TOTAL ORGANIC CARBON		M5310C					Analyst: SMA
Total Organic Carbon	6.47	6.00	20.0	J	mg/L	20	02/03/25 02:02 PM

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

CLIENT: SPL Labs - Kilgore
Work Order: 2501317
Project: 2375644

ANALYTICAL QC SUMMARY REPORT**RunID: TOC_250203A**

The QC data in batch 118921 applies to the following samples: 2501317-01A

Sample ID: MB-118921		Batch ID: 118921		TestNo: M5310C		Units: mg/L					
SampType: MBLK		Run ID: TOC_250203A		Analysis Date: 2/3/2025 10:50:00 AM		Prep Date: 2/3/2025					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Organic Carbon	<0.300	1.00								

Sample ID: LCS-118921	Batch ID: 118921	TestNo: M5310C	Units: mg/L							
SampType: LCS	Run ID: TOC_250203A	Analysis Date: 2/3/2025 11:14:00 AM	Prep Date: 2/3/2025							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Organic Carbon	9.73	1.00	10.00	0	97.3	90	110			

Sample ID: LCSD-118921	Batch ID: 118921	TestNo: M5310C	Units: mg/L							
SampType: LCSD	Run ID: TOC_250203A	Analysis Date: 2/3/2025 11:37:00 AM	Prep Date: 2/3/2025							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Organic Carbon	9.60	1.00	10.00	0	96.0	90	110	1.34	15	

Sample ID: 2501315-01AMS	Batch ID: 118921	TestNo: M5310C	Units: mg/L							
SampType: MS	Run ID: TOC_250203A	Analysis Date: 2/3/2025 8:49:00 PM	Prep Date: 2/3/2025							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Organic Carbon	14.0	1.00	10.00	4.206	98.0	85	115			

Sample ID: 2501315-01AMSD	Batch ID: 118921	TestNo: M5310C	Units: mg/L							
SampType: MSD	Run ID: TOC_250203A	Analysis Date: 2/3/2025 9:14:00 PM	Prep Date: 2/3/2025							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Organic Carbon	14.1	1.00	10.00	4.206	99.0	85	115	0.709	15	

Qualifiers:

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAP certified

PUB6-R

Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Printed 02/25/2025
8:36

Project
1134226

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1134226_r03_03_ProjectResults	SPL Kilgore Project P:1134226 C:PUB6 Project Results t:304 PO: P2500545 Received 1/16/25	11
1134226_r10_05_ProjectQC	SPL Kilgore Project P:1134226 C:PUB6 Project Quality Control Groups	27
1134226_r99_09_CoC__1_of_1	SPL Kilgore CoC PUB6 1134226_1_of_1	6
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SAMPLE CROSS REFERENCE

Project

1134226

Printed

2/25/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2376959	SRWA Outfall 001 Permit	01/28/2025	16:30:00	01/30/2025

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 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 05 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 Amber 32 Oz
 Bottle 08 Amber 32 Oz
 Bottle 09 Amber 32 Oz
 Bottle 10 Client supplied HCl Clean Metals Bottle
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 Prepared Bottle: 2 mL Autosampler Vial (Batch 1158516) Volume: 1.00000 mL <== Derived from 07 (1000 ml)
 Bottle 24 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1158602) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
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 Bottle 33 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158626) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 34 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158725) Volume: 10.00000 mL <== Derived from 09 (935 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 36 Prepared Bottle: ICP Preparation for Metals (Batch 1158821) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 05 (834 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 608.3	34	1158725	01/31/2025	1159881	02/04/2025
EPA 300.0 2.1	01	1158686	01/30/2025	1158686	01/30/2025

Email: Kilgore.ProjectManagement@spllabs.com

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2/25/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

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 Bottle 05 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 Amber 32 Oz
 Bottle 08 Amber 32 Oz
 Bottle 09 Amber 32 Oz
 Bottle 10 Client supplied HCl Clean Metals Bottle
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	1158939	01/31/2025	1158939	01/31/2025
EPA 624.1	18	1158843	01/31/2025	1158843	01/31/2025

Email: Kilgore.ProjectManagement@spllabs.com

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2/25/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

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 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 Amber 32 Oz
 Bottle 08 Amber 32 Oz
 Bottle 09 Amber 32 Oz
 Bottle 10 Client supplied HCl Clean Metals Bottle
 Bottle 11 16 oz HNO3 Metals Plastic
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 Bottle 13 8 oz Plastic H2SO4 pH < 2
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 625.1	23	1158516	01/30/2025	1159503	02/05/2025
EPA 624.1	22	1158838	01/31/2025	1158838	01/31/2025

Email: Kilgore.ProjectManagement@spplabs.com

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SAMPLE CROSS REFERENCE

Project

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2/25/2025

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Public Utilities Board
 R.Capistran/J Lechuga
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 Brownsville, TX 78520-

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 Bottle 13 8 oz Plastic H2SO4 pH < 2
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 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
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 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 Prepared Bottle: 2 mL Autosampler Vial (Batch 1158516) Volume: 1.00000 mL <== Derived from 07 (1000 ml)
 Bottle 24 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1158602) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 30 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 31 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158613) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 33 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158626) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 34 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158725) Volume: 10.00000 mL <== Derived from 09 (935 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 36 Prepared Bottle: ICP Preparation for Metals (Batch 1158821) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 05 (834 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
ASTM D7065-11	37	1159778	02/06/2025	1160481	02/11/2025
EPA 200.8 5.4	36	1158821	02/03/2025	1159012	02/03/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2376959	SRWA Outfall 001 Permit	01/28/2025	16:30:00	01/30/2025

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 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 05 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 Amber 32 Oz
 Bottle 08 Amber 32 Oz
 Bottle 09 Amber 32 Oz
 Bottle 10 Client supplied HCl Clean Metals Bottle
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 Prepared Bottle: 2 mL Autosampler Vial (Batch 1158516) Volume: 1.00000 mL <== Derived from 07 (1000 ml)
 Bottle 24 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1158602) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 30 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 31 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158613) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 33 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158626) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 34 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158725) Volume: 10.00000 mL <== Derived from 09 (935 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 36 Prepared Bottle: ICP Preparation for Metals (Batch 1158821) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 05 (834 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.8 5.4	36	1158821	02/03/2025	1159468	02/05/2025
EPA 245.7 2	35	1158736	01/31/2025	1158758	01/31/2025

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Public Utilities Board
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 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2376959	SRWA Outfall 001 Permit	01/28/2025	16:30:00	01/30/2025

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 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 05 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 Amber 32 Oz
 Bottle 08 Amber 32 Oz
 Bottle 09 Amber 32 Oz
 Bottle 10 Client supplied HCl Clean Metals Bottle
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 Prepared Bottle: 2 mL Autosampler Vial (Batch 1158516) Volume: 1.00000 mL <== Derived from 07 (1000 ml)
 Bottle 24 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1158602) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 30 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 31 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158613) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 33 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158626) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 34 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158725) Volume: 10.00000 mL <== Derived from 09 (935 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 36 Prepared Bottle: ICP Preparation for Metals (Batch 1158821) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 05 (834 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.7 4.4	36	1158821	02/03/2025	1158886	02/03/2025
EPA 200.8 5.4	36	1158821	02/03/2025	1159226	02/04/2025

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Public Utilities Board
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Sample	Sample ID	Taken	Time	Received
2376959	SRWA Outfall 001 Permit	01/28/2025	16:30:00	01/30/2025

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 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 05 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 Amber 32 Oz
 Bottle 08 Amber 32 Oz
 Bottle 09 Amber 32 Oz
 Bottle 10 Client supplied HCl Clean Metals Bottle
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 Prepared Bottle: 2 mL Autosampler Vial (Batch 1158516) Volume: 1.00000 mL <== Derived from 07 (1000 ml)
 Bottle 24 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1158602) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 30 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 31 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158613) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 33 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158626) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 34 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158725) Volume: 10.00000 mL <== Derived from 09 (935 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 36 Prepared Bottle: ICP Preparation for Metals (Batch 1158821) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 05 (834 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 2320 B-2011	01	1159441	02/05/2025	1159441	02/05/2025
SM 5210 B-2016	01	1158610	02/05/2025	1158610	02/05/2025

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Sample	Sample ID	Taken	Time	Received
2376959	SRWA Outfall 001 Permit	01/28/2025	16:30:00	01/30/2025

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 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 05 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 Amber 32 Oz
 Bottle 08 Amber 32 Oz
 Bottle 09 Amber 32 Oz
 Bottle 10 Client supplied HCl Clean Metals Bottle
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 Prepared Bottle: 2 mL Autosampler Vial (Batch 1158516) Volume: 1.00000 mL <== Derived from 07 (1000 ml)
 Bottle 24 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1158602) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 30 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 31 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158613) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 33 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158626) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 34 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158725) Volume: 10.00000 mL <== Derived from 09 (935 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 36 Prepared Bottle: ICP Preparation for Metals (Batch 1158821) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 05 (834 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016 (TCMP Inhibitor)	01	1158611	02/05/2025	1158611	02/05/2025
SM 4500-CN ⁻ G-2016			02/04/2025		02/04/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2376959	SRWA Outfall 001 Permit	01/28/2025	16:30:00	01/30/2025

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 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 05 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 Amber 32 Oz
 Bottle 08 Amber 32 Oz
 Bottle 09 Amber 32 Oz
 Bottle 10 Client supplied HCl Clean Metals Bottle
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 Prepared Bottle: 2 mL Autosampler Vial (Batch 1158516) Volume: 1.00000 mL <== Derived from 07 (1000 ml)
 Bottle 24 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1158602) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 30 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 31 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158613) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 33 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158626) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 34 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158725) Volume: 10.00000 mL <== Derived from 09 (935 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 36 Prepared Bottle: ICP Preparation for Metals (Batch 1158821) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 05 (834 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN ⁻ G-2016	29	1158612	01/31/2025	1158730	01/31/2025
SM 4500-CN ⁻ E-2016	32	1158613	01/31/2025	1158729	01/31/2025

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Public Utilities Board
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 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2376959	SRWA Outfall 001 Permit	01/28/2025	16:30:00	01/30/2025

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 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 05 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 Amber 32 Oz
 Bottle 08 Amber 32 Oz
 Bottle 09 Amber 32 Oz
 Bottle 10 Client supplied HCl Clean Metals Bottle
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 Prepared Bottle: 2 mL Autosampler Vial (Batch 1158516) Volume: 1.00000 mL <== Derived from 07 (1000 ml)
 Bottle 24 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1158602) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 30 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 31 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158613) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 33 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158626) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 34 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158725) Volume: 10.00000 mL <== Derived from 09 (935 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 36 Prepared Bottle: ICP Preparation for Metals (Batch 1158821) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 05 (834 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5220 D-2011	12	1158908	02/03/2025	1158908	02/03/2025
SM 4500-CI G-2011		1158439	01/30/2025	1158439	01/30/2025

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 Brownsville, TX 78520-

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Sample	Sample ID	Taken	Time	Received
2376959	SRWA Outfall 001 Permit	01/28/2025	16:30:00	01/30/2025

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 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 05 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 Amber 32 Oz
 Bottle 08 Amber 32 Oz
 Bottle 09 Amber 32 Oz
 Bottle 10 Client supplied HCl Clean Metals Bottle
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 Prepared Bottle: 2 mL Autosampler Vial (Batch 1158516) Volume: 1.00000 mL <== Derived from 07 (1000 ml)
 Bottle 24 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1158602) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 BOD Titration Beaker A (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 29 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 30 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 31 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158613) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 33 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158626) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 34 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158725) Volume: 10.00000 mL <== Derived from 09 (935 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 36 Prepared Bottle: ICP Preparation for Metals (Batch 1158821) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 05 (834 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
Calculation			02/25/2025		02/25/2025
SM 3500-Cr B-2011	14	1158733	01/31/2025	1158733	01/31/2025

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 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
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 Bottle 34 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158725) Volume: 10.00000 mL <== Derived from 09 (935 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 36 Prepared Bottle: ICP Preparation for Metals (Batch 1158821) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 05 (834 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 3500-Cr B-2011		1158441	01/28/2025	1158441	01/28/2025
SM 4500-O G-2016		1158442	01/30/2025	1158442	01/30/2025

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 Bottle 04 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 05 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 Amber 32 Oz
 Bottle 08 Amber 32 Oz
 Bottle 09 Amber 32 Oz
 Bottle 10 Client supplied HCl Clean Metals Bottle
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
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 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 350.1 2	24	1158602	01/31/2025	1158684	01/31/2025
EPA 351.2 minus EPA 350.1			02/04/2025		02/04/2025

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 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 Amber 32 Oz
 Bottle 08 Amber 32 Oz
 Bottle 09 Amber 32 Oz
 Bottle 10 Client supplied HCl Clean Metals Bottle
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
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 Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 05 (834 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 2540 C-2015	02	1158731	01/30/2025	1158731	01/30/2025
EPA 351.2 2	33	1158626	01/31/2025	1158956	02/03/2025

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Sample	Sample ID	Taken	Time	Received
2376959	SRWA Outfall 001 Permit	01/28/2025	16:30:00	01/30/2025

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 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 05 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 Amber 32 Oz
 Bottle 08 Amber 32 Oz
 Bottle 09 Amber 32 Oz
 Bottle 10 Client supplied HCl Clean Metals Bottle
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
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 Bottle 34 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158725) Volume: 10.00000 mL <== Derived from 09 (935 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 36 Prepared Bottle: ICP Preparation for Metals (Batch 1158821) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 05 (834 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5310 C-2014			02/18/2025		02/18/2025
SM 2540 D-2015	01	1158880	01/31/2025	1158880	01/31/2025

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 Bottle 09 Amber 32 Oz
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 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
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 Bottle 25 BOD Titration Beaker A (Batch 1158611) Volume: 100.00000 mL <== Derived from 01 (100 ml)
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 Bottle 27 BOD Titration Beaker A (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 28 BOD Analytical Beaker B (Batch 1158610) Volume: 100.00000 mL <== Derived from 01 (100 ml)
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 2550 B - 2010		1158444	01/28/2025	1158444	01/28/2025
EPA 1664B	03	1159476	02/06/2025	1159476	02/06/2025

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 Bottle 31 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158612) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 32 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1158613) Volume: 10.00000 mL <== Derived from 17 (5 ml)
 Bottle 33 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1158626) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 34 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1158725) Volume: 10.00000 mL <== Derived from 09 (935 ml)
 Bottle 35 Prepared Bottle: Mercury Preparation for Metals (Batch 1158736) Volume: 50.00000 mL <== Derived from 10 (47 ml)
 Bottle 36 Prepared Bottle: ICP Preparation for Metals (Batch 1158821) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 05 (834 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-H+ B-2011		1158445	01/28/2025	1158445	01/28/2025

Email: Kilgore.ProjectManagement@spllabs.com

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Project
1134226

Printed: 02/25/2025

RESULTS

Sample Results

2376959 SRWA Outfall 001 Permit

Received: 01/30/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500545 Received 1/16/25

Taken: 01/28/2025

16:30:00

Prepared: 1158440 01/28/2025 16:32:00 Analyzed 1158440 01/28/2025 16:32:00 FG3

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

Prepared: 1158443 01/28/2025 16:34:00 Analyzed 1158443 01/28/2025 16:34:00 FG3

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

ASTM D7065-11

Prepared: 1159778 02/07/2025 10:45:00 Analyzed 1160481 02/11/2025 22:25:00 DWL

Parameter	Results	Units	RL	Flags	CAS	Bottle
Nonylphenol	<36.0	ug/L	36.0	S	25154-52-3	37

Calculation

Prepared: 02/25/2025 08:34:00 Calculated 02/25/2025 08:34:00 CAL

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

EPA 1664B

Prepared: 1159476 02/06/2025 10:00:00 Analyzed 1159476 02/06/2025 10:00:00 RC1

Parameter	Results	Units	RL	Flags	CAS	Bottle
Oil and Grease (HEM)	<4.72	mg/L	4.72			03

EPA 200.7 4.4

Prepared: 1158821 02/03/2025 07:00:00 Analyzed 1158886 02/03/2025 11:11:00 CAS

Parameter	Results	Units	RL	Flags	CAS	Bottle
Phosphorus	0.627	mg/L	0.040		7723-14-0	36

EPA 200.8 5.4

Prepared: 1158821 02/03/2025 07:00:00 Analyzed 1159012 02/03/2025 23:34:00 ESG

Parameter	Results	Units	RL	Flags	CAS	Bottle



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Public Utilities Board
R.Capistran/J Lechuga
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Brownsville, TX 78520-

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1134226

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2376959 SRWA Outfall 001 Permit

Received: 01/30/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500545 Received 1/16/25

Taken: 01/28/2025

16:30:00

EPA 200.8 5.4 Prepared: 1158821 02/03/2025 07:00:00 Analyzed 1159012 02/03/2025 23:34:00 ESG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Antimony, Total	<0.003	mg/L	0.003		7440-36-0	36
NELAC	Arsenic, Total	0.0335	mg/L	0.001		7440-38-2	36
NELAC	Barium, Total	0.0537	mg/L	0.003		7440-39-3	36
NELAC	Beryllium, Total	<0.0005	mg/L	0.0005		7440-41-7	36
NELAC	Cadmium, Total	<0.001	mg/L	0.001		7440-43-9	36
NELAC	Chromium, Total	<0.001	mg/L	0.001		7440-47-3	36
NELAC	Copper, Total	0.00484	mg/L	0.001		7440-50-8	36
NELAC	Nickel, Total	0.00344	mg/L	0.001		7440-02-0	36
NELAC	Silver, Total	<0.0005	mg/L	0.0005		7440-22-4	36
NELAC	Thallium, Total	<0.001	mg/L	0.001		7440-28-0	36
NELAC	Zinc, Total	0.0157	mg/L	0.001		7440-66-6	36

EPA 200.8 5.4 Prepared: 1158821 02/03/2025 07:00:00 Analyzed 1159226 02/04/2025 12:45:00 ESG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Lead, Total	<0.000244	mg/L	0.000244		7439-92-1	36

EPA 200.8 5.4 Prepared: 1158821 02/03/2025 07:00:00 Analyzed 1159468 02/05/2025 19:48:00 ESG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Aluminum, Total	0.0128	mg/L	0.005		7429-90-5	36
NELAC	Selenium, Total	0.0124	mg/L	0.005		7782-49-2	36

EPA 245.7 2 Prepared: 1158736 01/31/2025 12:30:00 Analyzed 1158758 01/31/2025 17:42:00 MP1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Mercury, Total (low level)	<4.26	ng/L	4.26		7439-97-6	35

EPA 300.0 2.1 Prepared: 1158686 01/30/2025 13:47:00 Analyzed 1158686 01/30/2025 13:47:00 KLB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Chloride	2650	mg/L	300			01
NELAC	Fluoride	<5.09	mg/L	5.09			01
NELAC	Nitrate-Nitrogen Total	<4.64	mg/L	4.64		14797-55-8	01
NELAC	Sulfate	4210	mg/L	300			01



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Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project
1134226

Printed: 02/25/2025

2376959 SRWA Outfall 001 Permit

Received: 01/30/2025

Non-Potable Water

Collected by: FG3
Taken: 01/28/2025

SPL Kilgore
16:30:00

PO: P2500545 Received 1/16/25

EPA 300.0 2.1 Prepared: 1158939 01/31/2025 13:09:00 Analyzed 1158939 01/31/2025 13:09:00 KRA

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Nitrate-Nitrogen Total	<0.100	mg/L	0.100	3	14797-55-8	01

EPA 350.1 2 Prepared: 1158602 01/31/2025 06:22:01 Analyzed 1158684 01/31/2025 08:18:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Ammonia Nitrogen	2.56	mg/L	0.020			24

EPA 351.2 2 Prepared: 1158626 01/31/2025 08:16:22 Analyzed 1158956 02/03/2025 12:39:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Kjeldahl Nitrogen	1.11	mg/L	0.050		7727-37-9	33

EPA 351.2 minus EPA 350.1 Prepared: 02/04/2025 07:54:35 Calculated 02/04/2025 07:54:35 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Nitrogen, Total Organic (as N)	<0.050	mg/L	0.050			

EPA 608.3 Prepared: 1158725 01/31/2025 13:25:44 Analyzed 1159881 02/04/2025 21:41:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	PCB-1016	<0.200	ug/L	0.200	S	12674-11-2	34
NELAC	PCB-1221	<0.200	ug/L	0.200		11104-28-2	34
NELAC	PCB-1232	<0.200	ug/L	0.200		11141-16-5	34
NELAC	PCB-1242	<0.200	ug/L	0.200		53469-21-9	34
NELAC	PCB-1248	<0.200	ug/L	0.200		12672-29-6	34
NELAC	PCB-1254	<0.200	ug/L	0.200		11097-69-1	34
NELAC	PCB-1260	<0.200	ug/L	0.200		11096-82-5	34
NELAC	PCB-1262	<0.214	ug/L	0.214		37324-23-5	34
NELAC	PCB-1268	<0.214	ug/L	0.214		11100-14-4	34

EPA 624.1 Prepared: 1158838 01/31/2025 12:11:00 Analyzed 1158838 01/31/2025 12:11:00 CCH

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,1,1-Trichloroethane	<1.00	ug/L	1.00		71-55-6	22
NELAC	1,1,2,2-Tetrachloroethane	<2.00	ug/L	2.00		79-34-5	22



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Public Utilities Board
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1134226

Printed: 02/25/2025

2376959 SRWA Outfall 001 Permit

Received: 01/30/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500545 Received 1/16/25

Taken: 01/28/2025

16:30:00

EPA 624.1 Prepared: 1158838 01/31/2025 12:11:00 Analyzed 1158838 01/31/2025 12:11:00 CCH

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,1,2-Trichloroethane	<2.00	ug/L	2.00		79-00-5	22
NELAC	1,1-Dichloroethylene	<1.00	ug/L	1.00		75-35-4	22
NELAC	1,2-Dibromoethane (EDB)	<1.00	ug/L	1.00		106-93-4	22
NELAC	1,2-Dichloroethane	<1.00	ug/L	1.00		107-06-2	22
NELAC	1,2-Dichloropropane	<1.01	ug/L	1.01		78-87-5	22
NELAC	Benzene	<1.00	ug/L	1.00		71-43-2	22
NELAC	Bromodichloromethane	<1.00	ug/L	1.00		75-27-4	22
NELAC	Bromoform	<2.00	ug/L	2.00		75-25-2	22
NELAC	Carbon Tetrachloride	<1.00	ug/L	1.00		56-23-5	22
NELAC	Chlorobenzene	<1.00	ug/L	1.00		108-90-7	22
NELAC	Chloroform	<1.00	ug/L	1.00		67-66-3	22
NELAC	cis-1,3-Dichloropropene	<1.00	ug/L	1.00		10061-01-5	22
NELAC	Dibromochloromethane	<1.00	ug/L	1.00		124-48-1	22
NELAC	Dichloromethane	<2.00	ug/L	2.00		75-09-2	22
NELAC	Ethylbenzene	<1.00	ug/L	1.00		100-41-4	22
NELAC	m-Dichlorobenzene (1,3-DCB)	<1.00	ug/L	1.00		541-73-1	22
NELAC	Methyl ethyl ketone (Butanone)	<10.0	ug/L	10.0		78-93-3	22
NELAC	o-Dichlorobenzene (1,2-DCB)	<1.00	ug/L	1.00		95-50-1	22
NELAC	p-Dichlorobenzene (1,4-DCB)	<1.00	ug/L	1.00		106-46-7	22
NELAC	Tetrachloroethylene	<1.00	ug/L	1.00		127-18-4	22
NELAC	Toluene	<1.00	ug/L	1.00		108-88-3	22
NELAC	trans-1,3-Dichloropropene	<1.00	ug/L	1.00		10061-02-6	22
NELAC	Trichloroethylene	<1.00	ug/L	1.00		79-01-6	22
NELAC	Vinyl chloride	<1.04	ug/L	1.04		75-01-4	22

EPA 624.1 Prepared: 1158838 02/04/2025 10:30:29 Calculated 1158838 02/04/2025 10:30:29 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Trihalomethanes	<0.002	mg/L	0.002			22

EPA 624.1 Prepared: 1158843 01/31/2025 15:10:00 Analyzed 1158843 01/31/2025 15:10:00 CCH

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Acrylonitrile	<2.00	ug/L	2.00		107-13-1	18



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Public Utilities Board
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1134226

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2376959 SRWA Outfall 001 Permit

Received: 01/30/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500545 Received 1/16/25

Taken: 01/28/2025

16:30:00

EPA 625.1 Prepared: 1158516 01/30/2025 13:55:02 Analyzed 1159503 02/05/2025 18:15:00 DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,2,4,5-Tetrachlorobenzene	<1.00	ug/L	1.00		95-94-3	23
NELAC	1,2-Dichlorobenzene	<1.00	ug/L	1.00		95-50-1	23
NELAC	1,3-Dichlorobenzene	<1.00	ug/L	1.00		541-73-1	23
NELAC	1,4-Dichlorobenzene	<1.00	ug/L	1.00		106-46-7	23
NELAC	2,4,5-Trichlorophenol	<1.00	ug/L	1.00		95-95-4	23
NELAC	2,4-Dimethylphenol	<2.40	ug/L	2.40		105-67-9	23
NELAC	2-Methylphenol (o-Cresol)	<5.20	ug/L	5.20		95-48-7	23
NELAC	3&4-Methylphenol (m&p-Cresol)	<6.20	ug/L	6.20		MEPH34	23
NELAC	3,3'-Dichlorobenzidine	<5.00	ug/L	5.00		91-94-1	23
NELAC	Anthracene	<1.00	ug/L	1.00		120-12-7	23
NELAC	Benzidine	<20.0	ug/L	20.0	D	92-87-5	23
NELAC	Benzo(a)anthracene	<1.00	ug/L	1.00		56-55-3	23
NELAC	Benzo(a)pyrene	<1.00	ug/L	1.00		50-32-8	23
NELAC	Bis(2-chloroethyl)ether	<1.00	ug/L	1.00		111-44-4	23
NELAC	Bis(2-ethylhexyl)phthalate	<7.50	ug/L	7.50		117-81-7	23
NELAC	Chrysene (Benzo(a)phenanthrene)	<1.00	ug/L	1.00		218-01-9	23
NELAC	Di-n-butylphthalate	<7.50	ug/L	7.50		84-74-2	23
NELAC	Hexachlorobenzene	<1.00	ug/L	1.00		118-74-1	23
NELAC	Hexachlorobutadiene	<1.00	ug/L	1.00		87-68-3	23
NELAC	Hexachlorocyclopentadiene	<9.00	ug/L	9.00		77-47-4	23
NELAC	Hexachloroethane	<1.00	ug/L	1.00		67-72-1	23
NELAC	Nitrobenzene	<1.00	ug/L	1.00		98-95-3	23
NELAC	n-Nitrosodiethylamine	<1.00	ug/L	1.00		55-18-5	23
NELAC	n-Nitroso-di-n-butylamine	<1.00	ug/L	1.00		924-16-3	23
NELAC	Pentachlorobenzene	<1.00	ug/L	1.00		608-93-5	23
NELAC	Pentachlorophenol	<1.00	ug/L	1.00		87-86-5	23
NELAC	Phenanthrene	<1.00	ug/L	1.00		85-01-8	23
NELAC	Pyridine	<5.40	ug/L	5.40		110-86-1	23

EPA 625.1 Prepared: 1158516 01/30/2025 13:55:02 Calculated 1159503 02/07/2025 13:36:53 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cresols Total	<6.20	ug/L	6.20		1319-77-3, etc.	23



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Public Utilities Board
R.Capistran/J Lechuga
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1134226

Printed: 02/25/2025

2376959 SRWA Outfall 001 Permit

Received: 01/30/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500545 Received 1/16/25

Taken: 01/28/2025

16:30:00

SM 2320 B-2011 Prepared: 1159441 02/05/2025 10:23:00 Analyzed 1159441 02/05/2025 10:23:00 TRC

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Alkalinity (as CaCO3)	1240	mg/L	1.00			01

SM 2540 C-2015 Prepared: 1158731 01/30/2025 10:41:50 Analyzed 1158731 01/30/2025 10:41:50 JMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Dissolved Solids	12000	mg/L	100			02

SM 2540 D-2015 Prepared: 1158880 01/31/2025 13:55:00 Analyzed 1158880 01/31/2025 13:55:00 ADR

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Suspended Solids	2.50	mg/L	2.00			01

SM 2550 B - 2010 Prepared: 1158444 01/28/2025 16:30:00 Analyzed 1158444 01/28/2025 16:30:00 FG3

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Temperature (onsite)	25	Degrees C	1			

SM 3500-Cr B-2011 Prepared: 1158441 01/28/2025 16:30:00 Analyzed 1158441 01/28/2025 16:30:00 FG3

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hex Cr, Field Preservation	PRESERVED	ug/L	3		18540-29-9	

SM 3500-Cr B-2011 Prepared: 1158733 01/31/2025 08:30:00 Analyzed 1158733 01/31/2025 08:30:00 ALB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hexavalent Chromium	<3.00	ug/L	3.00	P	18540-29-9	14

SM 4500-Cl G-2011 Prepared: 1158439 01/30/2025 16:35:00 Analyzed 1158439 01/30/2025 16:35:00 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			



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Public Utilities Board
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1134226

Printed: 02/25/2025

2376959 SRWA Outfall 001 Permit

Received: 01/30/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500545 Received 1/16/25

Taken: 01/28/2025

16:30:00

SM 4500-CN⁻ E-2016 Prepared: 1158613 01/31/2025 07:37:41 Analyzed 1158729 01/31/2025 10:00:00 MEG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cyanide, total	<0.005	mg/L	0.005			32

SM 4500-CN⁻ G-2016 Prepared: 02/04/2025 08:07:00 Calculated 02/04/2025 08:07:00 CAL

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

SM 4500-CN⁻ G-2016 Prepared: 1158612 01/31/2025 07:35:05 Analyzed 1158730 01/31/2025 10:00:00 MEG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cyanide After Chlorination	0.007	mg/L	0.005	P		29

SM 4500-H+ B-2011 Prepared: 1158445 01/28/2025 16:33:00 Analyzed 1158445 01/28/2025 16:33:00 FG3

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	pH (Onsite)	7.6	SU				

SM 4500-O G-2016 Prepared: 1158442 01/30/2025 16:33:00 Analyzed 1158442 01/30/2025 16:33:00 FG3

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Dissolved Oxygen Onsite	3.8	mg/L	1.0			

SM 5210 B-2016 Prepared: 1158610 01/31/2025 Analyzed 1158610 02/05/2025 13:14:27 ESN

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Biochemical Oxygen Demand (BOD5)	9.65	mg/L	2.00	B	1026-3	01

SM 5210 B-2016 (TCMP Inhibitor) Prepared: 1158611 01/31/2025 Analyzed 1158611 02/05/2025 12:31:41 ESN

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	BOD Carbonaceous	<2.00	mg/L	2.00	B		01

SM 5220 D-2011 Prepared: 1158908 02/03/2025 07:00:00 Analyzed 1158908 02/03/2025 07:00:00 PNR

	Parameter	Results	Units	RL	Flags	CAS	Bottle



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Public Utilities Board
R.Capistran/J Lechuga
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Brownsville, TX 78520-

Project
1134226

Printed: 02/25/2025

2376959 SRWA Outfall 001 Permit

Received: 01/30/2025

Non-Potable Water

Collected by: FG3
Taken: 01/28/2025

SPL Kilgore
16:30:00

PO: P2500545 Received 1/16/25

SM 5220 D-2011 Prepared: 1158908 02/03/2025 07:00:00 Analyzed 1158908 02/03/2025 07:00:00 PNR

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Chemical Oxygen Demand	108	mg/L	200			12

SM 5310 C-2014 Prepared: 02/18/2025 13:06:00 Analyzed 02/18/2025 13:06:00 SUB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	TOC SUB	3.48	mg/L			DHL1	

Sample Preparation

2376959 SRWA Outfall 001 Permit

Received: 01/30/2025

P2500545 Received 1/16/25

01/28/2025

Prepared: 02/03/2025 15:31:25 Calculated 02/03/2025 15:31:25 CAL

z	Labor - 1 Hour	Verified					
		Prepared: 02/20/2025 13:14:00	Analyzed	02/20/2025 13:14:00			WJP

z	Check Limits	Completed					

ASTM D7065-17 Prepared: 1159778 02/07/2025 10:45:00 Analyzed 1160481 02/11/2025 22:25:00 DWL

z	Nonyl Phenol Expansion	Entered					37

EPA 200.2 2.8 Prepared: 1158821 02/03/2025 07:00:00 Analyzed 1158821 02/03/2025 07:00:00 HLT

z	Liquid Metals Digestion	50/50	ml				11



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1134226

Printed: 02/25/2025

2376959 SRWA Outfall 001 Permit

Received: 01/30/2025

P2500545 Received 1/16/25

01/28/2025

EPA 245.7 2		Prepared: 1158736	01/31/2025	12:30:00	Analyzed 1158736	01/31/2025	12:30:00	MP1
NELAC	Low Level Mercury Liquid Metals	50/47		ml				10
EPA 350.1, Rev. 2.0		Prepared: 1158602	01/31/2025	06:22:01	Analyzed 1158602	01/31/2025	06:22:01	AMB
NELAC	Ammonia Distillation	6/6		ml				12
EPA 351.2, Rev 2.0		Prepared: 1158626	01/31/2025	08:16:22	Analyzed 1158626	01/31/2025	08:16:22	MEG
NELAC	TKN Block Digestion	20/20		ml				12
EPA 608.3		Prepared: 1158725	01/31/2025	13:25:44	Analyzed 1158725	01/31/2025	13:25:44	MCC
	PCB Liq-Liq Extr. W/Hex Exch.	10/935		ml				09
EPA 608.3		Prepared: 1158725	01/31/2025	13:25:44	Analyzed 1159881	02/04/2025	21:41:00	KAP
NELAC	Polychlorinated Biphenyls	Entered						34
EPA 624.1		Prepared: 1158838	01/31/2025	12:11:00	Analyzed 1158838	01/31/2025	12:11:00	CCH
z	BND Table 3.0 VOC Expansion	Entered						22
EPA 624.1		Prepared: 1158843	01/31/2025	15:10:00	Analyzed 1158843	01/31/2025	15:10:00	CCH
NELAC	Acrylonitrile Exp.	Entered						18
EPA 625.1		Prepared: 1158516	01/30/2025	13:55:02	Analyzed 1158516	01/30/2025	13:55:02	MCC
	Liquid-Liquid Extraction, BNA	1/1000		ml				07



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Printed: 02/25/2025

2376959 SRWA Outfall 001 Permit

Received: 01/30/2025

P2500545 Received 1/16/25

01/28/2025

EPA 625.1		Prepared:	1158516	01/30/2025	13:55:02	Analyzed	1159503	02/05/2025	18:15:00	DWL
NELAC	TEEX SVOC	Entered								23
EPA 625.1		Prepared:	1159778	02/07/2025	10:45:00	Analyzed	1159778	02/07/2025	10:45:00	CRS
Nonylphenol Liq-Liq Extract		1/834	ml							05
SM 2540 C-2015		Prepared:	1158435	01/30/2025	10:25:00	Analyzed	1158435	01/30/2025	10:25:00	JMB
NELAC	Total Dissolved Solids Started	Started								
SM 2540 D-2011		Prepared:	1158116	01/31/2025	13:55:00	Analyzed	1158116	01/31/2025	13:55:00	ADR
NELAC	TSS Set Started	Started								
SM 4500-CN ⁻ C-2016		Prepared:	1158612	01/31/2025	07:35:05	Analyzed	1158612	01/31/2025	07:35:05	MEG
NELAC	CN Dist After Chlorination	10/5	ml							17
SM 4500-CN ⁻ C-2016		Prepared:	1158613	01/31/2025	07:37:41	Analyzed	1158613	01/31/2025	07:37:41	MEG
NELAC	Cyanide Distillation	10/5	ml							17
SM 5210 B-2016		Prepared:	1158610	01/31/2025	Analyzed		1158610	01/31/2025	06:58:40	ESN
NELAC	BOD Set Started	Started								
SM 5210 B-2016 (TCMP Inhibitor)		Prepared:	1158611	01/31/2025	Analyzed		1158611	01/31/2025	06:58:40	ESN
NELAC	BODc Set Started	Started								



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Qualifiers:

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

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, MS, VP Technical Services



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Analytical Set

1158610

SM 5210 B-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1158610	0.4	0.200	0.500	mg/L	* 127264583
Biochemical Oxygen Demand (BOD5)	1158610	0.4	0.200	0.500	mg/L	* 127264633
Biochemical Oxygen Demand (BOD5)	1158610	0.4	0.200	0.500	mg/L	* 127264685

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Biochemical Oxygen Demand (BOD5)	2376961	3.77	4.25	mg/L	12.0	30.0
Biochemical Oxygen Demand (BOD5)	2377036	2.80	2.44	mg/L	13.7	30.0
Biochemical Oxygen Demand (BOD5)	2377159	34.9	34.5	mg/L	1.15	30.0
Biochemical Oxygen Demand (BOD5)	2377206	63.7	59.8	mg/L	6.32	30.0
Biochemical Oxygen Demand (BOD5)	2377269	5.73	5.69	mg/L	0.701	30.0
Biochemical Oxygen Demand (BOD5)	2377275	161	129	mg/L	22.1	30.0
Biochemical Oxygen Demand (BOD5)	2377339	7.21	7.45	mg/L	3.27	30.0

Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Biochemical Oxygen Demand (BOD5)	1158610	0.537	0.200	0.500	mg/L	127264585
Biochemical Oxygen Demand (BOD5)	1158610	0.530	0.200	0.500	mg/L	127264635
Biochemical Oxygen Demand (BOD5)	1158610	0.507	0.200	0.500	mg/L	127264687

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Biochemical Oxygen Demand (BOD5)		231	198	mg/L	117	83.7 - 116	127264586
Biochemical Oxygen Demand (BOD5)		223	198	mg/L	113	83.7 - 116	127264636
Biochemical Oxygen Demand (BOD5)		226	198	mg/L	114	83.7 - 116	127264688

Analytical Set

1158611

SM 5210 B-2016 (TCMP Inhibitor)

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
BOD Carbonaceous	1158611	0.4	0.200	0.500	mg/L	* 127264737
BOD Carbonaceous	1158611	0.3	0.200	0.500	mg/L	* 127264787

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
BOD Carbonaceous	2376921	134	144	mg/L	7.19	30.0
BOD Carbonaceous	2377026	5.73	8.97	mg/L	44.1	* 30.0
BOD Carbonaceous	2377112	13.9	13.6	mg/L	2.18	30.0
BOD Carbonaceous	2377255	4.00	3.44	mg/L	15.1	30.0

Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
BOD Carbonaceous	1158611	0.627	0.200	0.500	mg/L	127264739
BOD Carbonaceous	1158611	0.560	0.200	0.500	mg/L	127264789

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Standard											
<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>				
BOD Carbonaceous		231	198	mg/L	117	83.7 - 116	127264740				
BOD Carbonaceous		225	198	mg/L	114	83.7 - 116	127264790				
Analytical Set	1158684	EPA 350.1 2									
Blank											
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>		<u>File</u>				
Ammonia Nitrogen	1158602	ND	0.00336	0.020	mg/L		127266417				
CCV											
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>				
Ammonia Nitrogen		2.19	2.00	mg/L	110	90.0 - 110	127266416				
Ammonia Nitrogen		2.14	2.00	mg/L	107	90.0 - 110	127266420				
Ammonia Nitrogen		2.20	2.00	mg/L	110	90.0 - 110	127266426				
Ammonia Nitrogen		2.17	2.00	mg/L	108	90.0 - 110	127266433				
Ammonia Nitrogen		2.13	2.00	mg/L	106	90.0 - 110	127266443				
Ammonia Nitrogen		1.82	2.00	mg/L	91.0	90.0 - 110	127266447				
Duplicate											
<u>Parameter</u>	<u>Sample</u>		<u>Result</u>	<u>Unknown</u>		<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>			
Ammonia Nitrogen	2376887		4.10	3.90		mg/L	5.00	20.0			
Ammonia Nitrogen	2376888		3.80	4.22		mg/L	10.5	20.0			
ICV											
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>				
Ammonia Nitrogen		1.88	2.00	mg/L	94.0	90.0 - 110	127266415				
LCS Dup											
<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>		<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Ammonia Nitrogen	1158602	2.12	2.11		2.00	90.0 - 110	106	106	mg/L	0.473	20.0
Mat. Spike											
<u>Parameter</u>	<u>Sample</u>	<u>Spike</u>	<u>Unknown</u>	<u>Known</u>	<u>Units</u>	<u>Recovery %</u>	<u>Limits %</u>	<u>File</u>			
Ammonia Nitrogen	2376887	5.98	3.90	2.00	mg/L	104	80.0 - 120	127266436			
Ammonia Nitrogen	2376888	5.66	4.22	2.00	mg/L	72.0	80.0 - 120	127266439	*		

Analytical Set 1158729

SM 4500-CN⁻ E-2016

Blank							
Parameter	PrepSet	Reading	MDL	MQL	Units		File
Cyanide, total	1158613	ND	0.00238	0.005	mg/L		127267549
CCV							
Parameter		Reading	Known	Units	Recover%	Limits%	File
Cyanide, total		0.486	0.500	mg/L	97.2	90.0 - 110	127267495
Cyanide, total		0.487	0.500	mg/L	97.4	90.0 - 110	127267505
Cyanide, total		0.481	0.500	mg/L	96.2	90.0 - 110	127267516
Cyanide, total		0.485	0.500	mg/L	97.0	90.0 - 110	127267522
Cyanide, total		0.477	0.500	mg/L	95.4	90.0 - 110	127267533

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.482	0.500	mg/L	96.4	90.0 - 110	127267544
Cyanide, total	0.481	0.500	mg/L	96.2	90.0 - 110	127267555
Cyanide, total	0.479	0.500	mg/L	95.8	90.0 - 110	127267563
Cyanide, total	0.474	0.500	mg/L	94.8	90.0 - 110	127267564

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide, total	2376947	0.047	0.0462	mg/L	1.72	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.203	0.200	mg/L	102	90.0 - 110	127267494

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide, total	1158613	0.377	0.367	0.400	90.0 - 110	94.2	91.8	mg/L	2.69	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Cyanide, total	2376947	0.406	0.0462	0.400	mg/L	90.0	90.0 - 110	127267554

Analytical Set 1158730

SM 4500-CN⁻ G-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide After Chlorination	1158612	ND	0.00119	0.0025	mg/L	127267575

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.486	0.500	mg/L	97.2	90.0 - 110	127267568
Cyanide After Chlorination	0.487	0.500	mg/L	97.4	90.0 - 110	127267569
Cyanide After Chlorination	0.481	0.500	mg/L	96.2	90.0 - 110	127267570
Cyanide After Chlorination	0.485	0.500	mg/L	97.0	90.0 - 110	127267571
Cyanide After Chlorination	0.477	0.500	mg/L	95.4	90.0 - 110	127267572
Cyanide After Chlorination	0.482	0.500	mg/L	96.4	90.0 - 110	127267573
Cyanide After Chlorination	0.481	0.500	mg/L	96.2	90.0 - 110	127267574
Cyanide After Chlorination	0.479	0.500	mg/L	95.8	90.0 - 110	127267578
Cyanide After Chlorination	0.474	0.500	mg/L	94.8	90.0 - 110	127267583

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide After Chlorination	2376959	0.0062	0.007	mg/L	12.1	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.203	0.200	mg/L	102	90.0 - 110	127267567

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%
Cyanide After Chlorination	1158612	0.189	0.180	0.200	90.0 - 110	94.5	90.0	mg/L	4.88	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File	
Cyanide After Chlorination	2376959	0.362	0.007	0.400	mg/L	88.8	90.0 - 110	127267581	*

Analytical Set **1158956**

EPA 351.2 2

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Kjeldahl Nitrogen	1158626	ND	0.00712	0.050	mg/L	127272544

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.22	5.00	mg/L	104	90.0 - 110	127272543
Total Kjeldahl Nitrogen	5.22	5.00	mg/L	104	90.0 - 110	127272552
Total Kjeldahl Nitrogen	5.22	5.00	mg/L	104	90.0 - 110	127272563
Total Kjeldahl Nitrogen	5.19	5.00	mg/L	104	90.0 - 110	127272571
Total Kjeldahl Nitrogen	5.24	5.00	mg/L	105	90.0 - 110	127272582
Total Kjeldahl Nitrogen	5.24	5.00	mg/L	105	90.0 - 110	127272589

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Kjeldahl Nitrogen	2377176	ND	ND	mg/L		20.0
Total Kjeldahl Nitrogen	2377179	ND	ND	mg/L		20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.37	5.00	mg/L	107	90.0 - 110	127272542

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Total Kjeldahl Nitrogen	1158626	4.82	4.80	5.00	90.0 - 110	96.4	96.0	mg/L	0.416	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Total Kjeldahl Nitrogen	2377176	4.18	ND	5.00	mg/L	83.6	80.0 - 120	127272549
Total Kjeldahl Nitrogen	2377179	5.20	ND	5.00	mg/L	104	80.0 - 120	127272553

Analytical Set **1158439**

SM 4500-Cl G-2011

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cl2 Res., Total(Onsite)Spec Mid [RL 0.05 mg/L]	2376959	ND	ND	mg/L		20

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Cl2 Res., Total(Onsite)Spec Mid [RL 0.05 mg/L]	1158439	0.240	0.220	mg/L	109.1	90 - 110	

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Standard							File
Parameter	Sample	Reading	Known	Units	Recover%	Limits%	
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	1158439	0.940	0.930	mg/L	101.1	90 - 110	
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	1158439	1.56	1.58	mg/L	98.7	90 - 110	
Analytical Set 1158440							
Duplicate							
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%	
Field Cl2 Check for CNa	2376959	NEGATIVE	NEGATIVE			20	
Analytical Set 1158441							SM 3500-Cr B-2011
Duplicate							
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%	
Hex Cr, Field Preservation	2376959	PRESERVE	PRESERVE	ug/L		20	
Analytical Set 1158442							SM 4500-O G-2016
Duplicate							
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%	
Dissolved Oxygen Onsite	2376959	3.8	3.8	mg/L		20	
Analytical Set 1158443							
Duplicate							
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%	
Field Sulfide Check for CNa	2376959	NEGATIVE	NEGATIVE	mg/L		20	
Analytical Set 1158444							SM 2550 B - 2010
Duplicate							
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%	
Temperature (onsite)	2376959	25	25	Degrees C		20	
Analytical Set 1158445							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)	6.0	6.0	SU	100	90 - 110		
Duplicate							
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%	
pH (Onsite)	2376959	7.6	7.6	SU		20	
Standard							
Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
pH (Onsite)	1158445	8.0	8.0	SU	100	90 - 110	
pH (Onsite)	1158445	8.0	8.0	SU	100	90 - 110	

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Analytical Set 1158731 SM 2540 C-2015

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Dissolved Solids	1158731	ND	5.00	5.00	mg/L	127267597

ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Dissolved Solids	1158731	-0.0004			grams	127267584

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Dissolved Solids	2376539	520	500	mg/L	3.92	20.0

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Dissolved Solids	1158731	198	200	mg/L	99.0	85.0 - 115	127267598

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Dissolved Solids		94.0	100	mg/L	94.0	90.0 - 110	127267585

Analytical Set 1158880 SM 2540 D-2015

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1158880	ND	2	2	mg/L	127270678

ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1158880	-0.0002			grams	127270677

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2376916	80.0	78.0	mg/L	2.53	20.0
Total Suspended Solids	2376960	63.3	65.0	mg/L	2.65	20.0
Total Suspended Solids	2376980	14.9	14.3	mg/L	4.11	20.0

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Suspended Solids	1158880	52.0	50.0	mg/L	104	90.0 - 110	127270711

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Suspended Solids		100	100	mg/L	100	90.0 - 110	127270710

Analytical Set 1159476 EPA 1664B

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Oil and Grease (HEM)	1159476	ND	0.557	4.00	mg/L	127283840

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LCS

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits</u>	<u>File</u>
Oil and Grease (HEM)	1159476	36.8	40.0	mg/L	92.0	78.0 - 114	127283841

MS

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Oil and Grease (HEM)	2376959	42.6	0	ND	40.0	78.0 - 114	106		mg/L		20.0

Analytical Set

1158686

EPA 300.0 2.1

AWRL/LOQ C

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Nitrate-Nitrogen Total	0.0288	0.0226	mg/L	127	70.0 - 130	127266511

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Chloride	1158686	0.051	0.0298	0.300	mg/L	127266512
Fluoride	1158686	ND	0.00509	0.100	mg/L	127266512
Nitrate-Nitrogen Total	1158686	ND	0.00464	0.0226	mg/L	127266512
Sulfate	1158686	ND	0.160	0.300	mg/L	127266512

CCB

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Chloride	1158686	0	0.0298	0.300	mg/L	127266508
Chloride	1158686	0.0612	0.0298	0.300	mg/L	127266528
Chloride	1158686	0.0682	0.0298	0.300	mg/L	127266536
Fluoride	1158686	0	0.00509	0.100	mg/L	127266508
Fluoride	1158686	0	0.00509	0.100	mg/L	127266528
Fluoride	1158686	0	0.00509	0.100	mg/L	127266536
Nitrate-Nitrogen Total	1158686	0	0.00464	0.0226	mg/L	127266508
Nitrate-Nitrogen Total	1158686	0	0.00464	0.0226	mg/L	127266528
Nitrate-Nitrogen Total	1158686	0	0.00464	0.0226	mg/L	127266536
Sulfate	1158686	0	0.160	0.300	mg/L	127266508
Sulfate	1158686	0	0.160	0.300	mg/L	127266528
Sulfate	1158686	0	0.160	0.300	mg/L	127266536

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Chloride	10.2	10.0	mg/L	102	90.0 - 110	127266507
Chloride	10.2	10.0	mg/L	102	90.0 - 110	127266527
Chloride	10.1	10.0	mg/L	101	90.0 - 110	127266535
Fluoride	10.9	10.0	mg/L	109	90.0 - 110	127266507
Fluoride	10.8	10.0	mg/L	108	90.0 - 110	127266527
Fluoride	10.7	10.0	mg/L	107	90.0 - 110	127266535
Nitrate-Nitrogen Total	2.21	2.26	mg/L	97.8	90.0 - 110	127266507
Nitrate-Nitrogen Total	2.21	2.26	mg/L	97.8	90.0 - 110	127266527
Nitrate-Nitrogen Total	2.20	2.26	mg/L	97.3	90.0 - 110	127266535
Sulfate	9.83	10.0	mg/L	98.3	90.0 - 110	127266507
Sulfate	9.82	10.0	mg/L	98.2	90.0 - 110	127266527

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QUALITY CONTROL



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PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
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Project
1134226

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CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Sulfate	9.81	10.0	mg/L	98.1	90.0 - 110	127266535

LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Chloride	1158686	5.08	4.96	5.00	85.0 - 115	102	99.2	mg/L	2.39	20.0
Fluoride	1158686	5.41	5.45	5.00	88.0 - 118	108	109	mg/L	0.737	20.0
Nitrate-Nitrogen Total	1158686	1.24	1.23	1.13	86.3 - 117	110	109	mg/L	0.810	20.0
Sulfate	1158686	4.87	4.84	5.00	85.4 - 124	97.4	96.8	mg/L	0.618	20.0

MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Chloride	2376600	1350	1350	1050	200	80.0 - 120	150 *	150 *	mg/L	0	20.0
Fluoride	2376600	225	222	ND	200	80.0 - 120	112	111	mg/L	1.34	20.0
Nitrate-Nitrogen Total	2376600	49.1	49.2	ND	45.2	80.0 - 120	109	109	mg/L	0.203	20.0
Sulfate	2376600	1540	1530	1260	200	80.0 - 120	140 *	135 *	mg/L	3.64	20.0
Chloride	2376670	28.2	28.3	19.0	10.0	80.0 - 120	92.0	93.0	mg/L	1.08	20.0
Fluoride	2376670	11.4	11.3	ND	10.0	80.0 - 120	114	113	mg/L	0.881	20.0
Nitrate-Nitrogen Total	2376670	2.89	2.91	0.513	2.26	80.0 - 120	105	106	mg/L	0.838	20.0
Sulfate	2376670	33.2	33.4	25.9	10.0	80.0 - 120	73.0 *	75.0 *	mg/L	2.70	20.0

Analytical Set 1158939

EPA 300.0 2.1

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Nitrate-Nitrogen Total	1158939	ND	0.00464	0.0226	mg/L	127272246

CCB

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Nitrate-Nitrogen Total	1158939	0	0.00464	0.0226	mg/L	127272242
Nitrate-Nitrogen Total	1158939	0	0.00464	0.0226	mg/L	127272260
Nitrate-Nitrogen Total	1158939	0	0.00464	0.0226	mg/L	127272272

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Nitrate-Nitrogen Total	2.22	2.26	mg/L	98.2	90.0 - 110	127272241
Nitrate-Nitrogen Total	2.22	2.26	mg/L	98.2	90.0 - 110	127272259
Nitrate-Nitrogen Total	2.22	2.26	mg/L	98.2	90.0 - 110	127272271

LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Nitrate-Nitrogen Total	1158939	1.24	1.24	1.13	86.3 - 117	110	110	mg/L	0	20.0

MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Nitrate-Nitrogen Total	2377040	12.0	12.1	ND	11.3	80.0 - 120	106	107	mg/L	0.830	20.0
Nitrate-Nitrogen Total	2377140	11.8	12.0	6.93	4.52	80.0 - 120	108	112	mg/L	4.02	20.0

Analytical Set 1158733

SM 3500-Cr B-2011

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QUALITY CONTROL

PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
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Parameter	PrepSet	Reading	MDL	MQL	Units	File
Hexavalent Chromium	1158733	ND	0.550	3.00	ug/L	127267802
Hexavalent Chromium	1158733	ND	0.550	3.00	ug/L	127267810

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Hexavalent Chromium	86.7	80.0	ug/L	108	90.0 - 110	127267803
Hexavalent Chromium	87.2	80.0	ug/L	109	90.0 - 110	127267811

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Hexavalent Chromium	1158733	85.7	85.4	80.0	85.0 - 115	107	107	ug/L	0.351	15.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Hexavalent Chromium	2376959	49.3	50.5	ND	80.0	70.0 - 130	61.6 *	63.1 *	ug/L	2.40	20.0

Analytical Set

1158758

EPA 245.7 2

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury, Total (low level)	1158736	ND	1.20	4.00	ng/L	127268064

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	28.1	25.0	ng/L	112	87.0 - 113	127268063
Mercury, Total (low level)	26.5	25.0	ng/L	106	87.0 - 113	127268074
Mercury, Total (low level)	25.2	25.0	ng/L	101	87.0 - 113	127268085
Mercury, Total (low level)	24.6	25.0	ng/L	98.4	87.0 - 113	127268093

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	ND	50.0	ng/L	0	90.0 - 110	127268061

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	27.5	25.0	ng/L	110	90.0 - 110	127268062

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Mercury, Total (low level)	1158736	23.9	24.6	25.0	76.0 - 115	95.6	98.4	ng/L	2.89	50.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury, Total (low level)	2375214	24.4	25.4	ND	26.6	63.0 - 111	91.7	95.5	ng/L	4.02	18.0
Mercury, Total (low level)	2376777	23.8	21.4	ND	26.6	63.0 - 111	89.5	80.5	ng/L	10.6	18.0

Analytical Set

1158886

EPA 200.7 4.4

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QUALITY CONTROL



PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
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Blank											
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>					
Phosphorus	1158821	ND	0.0353	0.040	mg/L	127270884					
CCV											
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>				
Phosphorus		0.987	1.00	mg/L	98.7	90.0 - 110	127270882				
Phosphorus		1.02	1.00	mg/L	102	90.0 - 110	127270883				
Phosphorus		0.997	1.00	mg/L	99.7	90.0 - 110	127270891				
Phosphorus		1.00	1.00	mg/L	100	90.0 - 110	127270893				
ICL											
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>				
Phosphorus		24.9	25.0	mg/L	99.6	95.0 - 105	127270880				
ICV											
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>				
Phosphorus		1.03	1.00	mg/L	103	90.0 - 110	127270881				
LCS Dup											
<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>		<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Phosphorus	1158821	3.94	3.93		4.00	85.0 - 115	98.5	98.2	mg/L	0.254	25.0
MSD											
<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Phosphorus	2377468	5.06	4.74	0.435	4.00	75.0 - 125	116	108	mg/L	7.17	25.0

Analytical Set

1159012

EPA 200.8 5.4

Blank										
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>				
Antimony, Total	1159012	ND	0.000847	0.003	mg/L	127274353				
Antimony, Total	1158821	ND	0.000847	0.003	mg/L	127274444				
Arsenic, Total	1159012	ND	0.000902	0.001	mg/L	127274353				
Arsenic, Total	1158821	ND	0.000902	0.001	mg/L	127274444				
Barium, Total	1159012	ND	0.00207	0.005	mg/L	127274353				
Barium, Total	1158821	ND	0.00207	0.005	mg/L	127274444				
Beryllium, Total	1159012	ND	0.000162	0.001	mg/L	127274353				
Beryllium, Total	1158821	ND	0.000162	0.001	mg/L	127274444				
Cadmium, Total	1159012	ND	0.00012	0.001	mg/L	127274353				
Cadmium, Total	1158821	ND	0.00012	0.001	mg/L	127274444				
Chromium, Total	1159012	ND	0.000392	0.001	mg/L	127274353				
Chromium, Total	1158821	ND	0.000392	0.001	mg/L	127274444				
Copper, Total	1159012	ND	0.000325	0.001	mg/L	127274353				
Copper, Total	1158821	ND	0.000325	0.001	mg/L	127274444				
Nickel, Total	1159012	ND	0.000154	0.001	mg/L	127274353				
Nickel, Total	1158821	ND	0.000154	0.001	mg/L	127274444				
Selenium, Total	1158821	ND	0.00294	0.005	mg/L	127274444				
Silver, Total	1159012	ND	0.000276	0.001	mg/L	127274353				

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QUALITY CONTROL

PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
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<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Silver, Total	1158821	ND	0.000276	0.001	mg/L	127274444
Thallium, Total	1159012	ND	0.000966	0.001	mg/L	127274353
Thallium, Total	1158821	ND	0.000966	0.001	mg/L	127274444
Zinc, Total	1159012	ND	0.000844	0.001	mg/L	127274353
Zinc, Total	1158821	ND	0.000844	0.001	mg/L	127274444

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Antimony, Total	0.0508	0.05	mg/L	102	90.0 - 110	127274366
Antimony, Total	0.0517	0.05	mg/L	103	90.0 - 110	127274451
Antimony, Total	0.0531	0.05	mg/L	106	90.0 - 110	127274459
Antimony, Total	0.0523	0.05	mg/L	105	90.0 - 110	127274469
Arsenic, Total	0.0514	0.05	mg/L	103	90.0 - 110	127274366
Arsenic, Total	0.0506	0.05	mg/L	101	90.0 - 110	127274441
Arsenic, Total	0.0511	0.05	mg/L	102	90.0 - 110	127274451
Arsenic, Total	0.0533	0.05	mg/L	107	90.0 - 110	127274459
Arsenic, Total	0.0512	0.05	mg/L	102	90.0 - 110	127274469
Arsenic, Total	0.0512	0.05	mg/L	102	90.0 - 110	127274477
Arsenic, Total	0.0501	0.05	mg/L	100	90.0 - 110	127274484
Barium, Total	0.0515	0.05	mg/L	103	90.0 - 110	127274366
Barium, Total	0.0517	0.05	mg/L	103	90.0 - 110	127274451
Barium, Total	0.053	0.05	mg/L	106	90.0 - 110	127274459
Barium, Total	0.0522	0.05	mg/L	104	90.0 - 110	127274469
Barium, Total	0.0518	0.05	mg/L	104	90.0 - 110	127274477
Barium, Total	0.0514	0.05	mg/L	103	90.0 - 110	127274484
Beryllium, Total	0.0514	0.05	mg/L	103	90.0 - 110	127274366
Beryllium, Total	0.0503	0.05	mg/L	101	90.0 - 110	127274451
Beryllium, Total	0.0527	0.05	mg/L	105	90.0 - 110	127274459
Beryllium, Total	0.0517	0.05	mg/L	103	90.0 - 110	127274469
Cadmium, Total	0.0509	0.05	mg/L	102	90.0 - 110	127274366
Cadmium, Total	0.0521	0.05	mg/L	104	90.0 - 110	127274441
Cadmium, Total	0.0512	0.05	mg/L	102	90.0 - 110	127274451
Cadmium, Total	0.0532	0.05	mg/L	106	90.0 - 110	127274459
Cadmium, Total	0.0522	0.05	mg/L	104	90.0 - 110	127274469
Cadmium, Total	0.0516	0.05	mg/L	103	90.0 - 110	127274477
Cadmium, Total	0.0518	0.05	mg/L	104	90.0 - 110	127274484
Chromium, Total	0.0517	0.05	mg/L	103	90.0 - 110	127274366
Chromium, Total	0.0522	0.05	mg/L	104	90.0 - 110	127274441
Chromium, Total	0.0522	0.05	mg/L	104	90.0 - 110	127274451
Chromium, Total	0.053	0.05	mg/L	106	90.0 - 110	127274459
Chromium, Total	0.0526	0.05	mg/L	105	90.0 - 110	127274469
Chromium, Total	0.0525	0.05	mg/L	105	90.0 - 110	127274477
Chromium, Total	0.0519	0.05	mg/L	104	90.0 - 110	127274484
Copper, Total	0.0533	0.05	mg/L	107	90.0 - 110	127274441
Copper, Total	0.0529	0.05	mg/L	106	90.0 - 110	127274451

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QUALITY CONTROL

PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
1425 Robinhood Drive
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Project
1134226

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CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Copper, Total	0.0536	0.05	mg/L	107	90.0 - 110	127274459
Copper, Total	0.0538	0.05	mg/L	108	90.0 - 110	127274469
Copper, Total	0.0537	0.05	mg/L	107	90.0 - 110	127274477
Copper, Total	0.0526	0.05	mg/L	105	90.0 - 110	127274484
Nickel, Total	0.0525	0.05	mg/L	105	90.0 - 110	127274366
Nickel, Total	0.0529	0.05	mg/L	106	90.0 - 110	127274441
Nickel, Total	0.0529	0.05	mg/L	106	90.0 - 110	127274451
Nickel, Total	0.0538	0.05	mg/L	108	90.0 - 110	127274459
Nickel, Total	0.0535	0.05	mg/L	107	90.0 - 110	127274469
Nickel, Total	0.0538	0.05	mg/L	108	90.0 - 110	127274477
Nickel, Total	0.0527	0.05	mg/L	105	90.0 - 110	127274484
Silver, Total	0.0509	0.05	mg/L	102	90.0 - 110	127274366
Silver, Total	0.0516	0.05	mg/L	103	90.0 - 110	127274441
Silver, Total	0.0512	0.05	mg/L	102	90.0 - 110	127274451
Silver, Total	0.0532	0.05	mg/L	106	90.0 - 110	127274459
Silver, Total	0.0525	0.05	mg/L	105	90.0 - 110	127274469
Silver, Total	0.0516	0.05	mg/L	103	90.0 - 110	127274477
Silver, Total	0.0513	0.05	mg/L	103	90.0 - 110	127274484
Thallium, Total	0.0547	0.05	mg/L	109	90.0 - 110	127274366
Thallium, Total	0.0525	0.05	mg/L	105	90.0 - 110	127274451
Thallium, Total	0.0531	0.05	mg/L	106	90.0 - 110	127274459
Thallium, Total	0.0528	0.05	mg/L	106	90.0 - 110	127274469
Zinc, Total	0.0536	0.05	mg/L	107	90.0 - 110	127274366
Zinc, Total	0.0532	0.05	mg/L	106	90.0 - 110	127274441
Zinc, Total	0.0534	0.05	mg/L	107	90.0 - 110	127274451
Zinc, Total	0.0535	0.05	mg/L	107	90.0 - 110	127274459
Zinc, Total	0.0528	0.05	mg/L	106	90.0 - 110	127274469
Zinc, Total	0.053	0.05	mg/L	106	90.0 - 110	127274477
Zinc, Total	0.0525	0.05	mg/L	105	90.0 - 110	127274484

ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Antimony, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127274361
Arsenic, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	127274361
Barium, Total	0.050	0.05	mg/L	100	90.0 - 110	127274361
Beryllium, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	127274361
Cadmium, Total	0.0502	0.05	mg/L	100	90.0 - 110	127274361
Chromium, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	127274361
Copper, Total	0.0516	0.05	mg/L	103	90.0 - 110	127274361
Nickel, Total	0.0505	0.05	mg/L	101	90.0 - 110	127274361
Silver, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	127274361
Thallium, Total	0.050	0.05	mg/L	100	90.0 - 110	127274361
Zinc, Total	0.0506	0.05	mg/L	101	90.0 - 110	127274361

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Antimony, Total	1158821	0.526	0.525	0.500	85.0 - 115	105	105	mg/L	0.190	20.0
Arsenic, Total	1158821	0.508	0.509	0.500	85.0 - 115	102	102	mg/L	0.197	20.0
Barium, Total	1158821	0.531	0.532	0.500	85.0 - 115	106	106	mg/L	0.188	20.0
Beryllium, Total	1158821	0.207	0.207	0.200	85.0 - 115	104	104	mg/L	0	20.0
Cadmium, Total	1158821	0.265	0.265	0.250	85.0 - 115	106	106	mg/L	0	20.0
Chromium, Total	1158821	0.531	0.530	0.500	85.0 - 115	106	106	mg/L	0.189	20.0
Copper, Total	1158821	0.542	0.540	0.500	85.0 - 115	108	108	mg/L	0.370	20.0
Nickel, Total	1158821	0.541	0.537	0.500	85.0 - 115	108	107	mg/L	0.742	20.0
Selenium, Total	1158821	0.500	0.501	0.500	85.0 - 115	100	100	mg/L	0.200	20.0
Silver, Total	1158821	0.0956	0.0957	0.100	85.0 - 115	95.6	95.7	mg/L	0.105	20.0
Thallium, Total	1158821	0.545	0.542	0.500	85.0 - 115	109	108	mg/L	0.552	20.0
Zinc, Total	1158821	0.531	0.532	0.500	85.0 - 115	106	106	mg/L	0.188	20.0

LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	1.10	1	mg/L	110	90.0 - 110	127274365
Arsenic, Total	11.0	10	mg/L	110	90.0 - 110	127274365
Beryllium, Total	11.0	10	mg/L	110	90.0 - 110	127274365
Chromium, Total	10.9	10	mg/L	109	90.0 - 110	127274365
Copper, Total	10.8	10	mg/L	108	90.0 - 110	127274365
Nickel, Total	10.8	10	mg/L	108	90.0 - 110	127274365
Thallium, Total	9.96	10	mg/L	99.6	90.0 - 110	127274365
Zinc, Total	10.7	10	mg/L	107	90.0 - 110	127274365

MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Copper, Total	0.000762	0.001	mg/L	76.2	25.0 - 175	127274362

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Antimony, Total	2377402	0.516	0.514	ND	0.500	70.0 - 130	103	103	mg/L	0.388	20.0
Arsenic, Total	2377402	0.526	0.523	0.0059	0.500	70.0 - 130	104	103	mg/L	0.578	20.0
Barium, Total	2377402	0.569	0.561	0.026	0.500	70.0 - 130	109	107	mg/L	1.48	20.0
Beryllium, Total	2377402	0.219	0.216	ND	0.200	70.0 - 130	110	108	mg/L	1.38	20.0
Cadmium, Total	2377402	0.264	0.261	0.000163	0.250	70.0 - 130	106	104	mg/L	1.14	20.0
Chromium, Total	2377402	0.533	0.530	0.00143	0.500	70.0 - 130	106	106	mg/L	0.566	20.0
Copper, Total	2377402	0.547	0.540	0.00242	0.500	70.0 - 130	109	108	mg/L	1.29	20.0
Nickel, Total	2377402	0.547	0.541	0.00141	0.500	70.0 - 130	109	108	mg/L	1.11	20.0
Silver, Total	2377402	0.0961	0.0954	0.000727	0.100	70.0 - 130	95.4	94.7	mg/L	0.737	20.0
Thallium, Total	2377402	0.533	0.533	ND	0.500	70.0 - 130	107	107	mg/L	0	20.0
Zinc, Total	2377402	0.630	0.624	0.112	0.500	70.0 - 130	104	102	mg/L	1.17	20.0
Antimony, Total	2377468	0.537	0.532	0.00216	0.500	70.0 - 130	107	106	mg/L	0.939	20.0
Arsenic, Total	2377468	0.513	0.510	0.00851	0.500	70.0 - 130	101	100	mg/L	0.596	20.0
Barium, Total	2377468	0.544	0.546	0.0182	0.500	70.0 - 130	105	106	mg/L	0.380	20.0
Beryllium, Total	2377468	0.205	0.207	ND	0.200	70.0 - 130	102	104	mg/L	0.971	20.0
Cadmium, Total	2377468	0.263	0.262	ND	0.250	70.0 - 130	105	105	mg/L	0.381	20.0

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Chromium, Total	2377468	0.526	0.520	ND	0.500	70.0 - 130	105	104	mg/L	1.15	20.0
Copper, Total	2377468	0.534	0.528	ND	0.500	70.0 - 130	107	106	mg/L	1.13	20.0
Nickel, Total	2377468	0.523	0.518	0.000414	0.500	70.0 - 130	105	104	mg/L	0.961	20.0
Selenium, Total	2377468	0.483	0.485	ND	0.500	70.0 - 130	96.6	97.0	mg/L	0.413	20.0
Silver, Total	2377468	0.0936	0.0943	ND	0.100	70.0 - 130	93.6	94.3	mg/L	0.745	20.0
Thallium, Total	2377468	0.528	0.530	ND	0.500	70.0 - 130	106	106	mg/L	0.378	20.0
Zinc, Total	2377468	0.536	0.528	0.0228	0.500	70.0 - 130	103	101	mg/L	1.57	20.0

Analytical Set

1159226

EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Aluminum, Total	1158821	ND	0.00171	0.00171	mg/L	127277775
Aluminum, Total	1158821	ND	0.00171	0.00171	mg/L	127277791
Lead, Total	1158821	ND	0.000244	0.001	mg/L	127277775
Lead, Total	1158821	ND	0.000244	0.001	mg/L	127277791
Lead, Total	1159226	ND	0.000244	0.001	mg/L	127277831

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Lead, Total	0.051	0.05	mg/L	102	90.0 - 110	127277790
Lead, Total	0.0471	0.05	mg/L	94.2	90.0 - 110	127277799
Lead, Total	0.0526	0.05	mg/L	105	90.0 - 110	127277809
Lead, Total	0.0531	0.05	mg/L	106	90.0 - 110	127277819
Lead, Total	0.0503	0.05	mg/L	101	90.0 - 110	127277828
Lead, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	127277838
Lead, Total	0.046	0.05	mg/L	92.0	90.0 - 110	127277839

Dir. SPKD

Parameter	Sample	DSPK	DSPKD	UNK	Known	Limits%	DSPK%	DSPKD%	Units	RPD	Limit%
Lead, Total	2377226	0.533	0.524	ND	0.500	70.0 - 130	107	105	mg/L	1.70	30.0

Direct SPK

Parameter	Sample	DSPK	UNK	Known	Limits%	DSPK%	Units
Lead, Total	2377226	0.533	ND	0.500	70.0 - 130	107	mg/L

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Lead, Total	0.0515	0.05	mg/L	103	90.0 - 110	127277783

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Aluminum, Total	1158821	0.544	0.530	0.500	85.0 - 115	109	106	mg/L	2.61	20.0
Lead, Total	1158821	0.517	0.520	0.500	85.0 - 115	103	104	mg/L	0.579	20.0
Lead, Total	1159226	0.521	0.532	0.500	85.0 - 115	104	106	mg/L	2.09	20.0

LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File

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LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	9.70	10	mg/L	97.0	90.0 - 110	127277787
Lead, Total	9.49	10	mg/L	94.9	90.0 - 110	127277787

MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Lead, Total	0.00103	0.001	mg/L	103	85.0 - 115	127277784

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Aluminum, Total	2377402	0.994	1.03	0.594	0.500	70.0 - 130	80.0	87.2	mg/L	8.61	20.0
Lead, Total	2377402	0.498	0.487	0.00176	0.500	70.0 - 130	99.2	97.0	mg/L	2.24	20.0
Lead, Total	2377468	0.594	0.488	ND	0.500	70.0 - 130	119	97.6	mg/L	19.6	20.0

Analytical Set

1159468

EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Aluminum, Total	1158821	ND	0.0039	0.005	mg/L	127283414
Selenium, Total	1158821	ND	0.00294	0.005	mg/L	127283414

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.0474	0.05	mg/L	94.8	90.0 - 110	127283390
Aluminum, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	127283398
Aluminum, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	127283408
Aluminum, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	127283417
Aluminum, Total	0.051	0.05	mg/L	102	90.0 - 110	127283427
Selenium, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	127283390
Selenium, Total	0.0506	0.05	mg/L	101	90.0 - 110	127283398
Selenium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127283408
Selenium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127283417
Selenium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	127283427
Selenium, Total	0.0505	0.05	mg/L	101	90.0 - 110	127283436
Selenium, Total	0.049	0.05	mg/L	98.0	90.0 - 110	127283447
Selenium, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	127283457

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.0518	0.05	mg/L	104	90.0 - 110	127283386
Selenium, Total	0.0511	0.05	mg/L	102	90.0 - 110	127283386

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Aluminum, Total	1158821	0.491	0.494	0.500	85.0 - 115	98.2	98.8	mg/L	0.609	20.0
Selenium, Total	1158821	0.474	0.474	0.500	85.0 - 115	94.8	94.8	mg/L	0	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Aluminum, Total	2377402	0.897	0.957	0.490	0.500	70.0 - 130	81.4	93.4	mg/L	13.7	20.0
Selenium, Total	2377402	0.469	0.474	ND	0.500	70.0 - 130	93.8	94.8	mg/L	1.06	20.0

Analytical Set

1158838

EPA 624.1

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1158838	174	208	1.4	0 - 2.00	127270198
BFB Mass 174	1158838	95.0	15149	50.1	50.0 - 100	127270198
BFB Mass 175	1158838	174	1243	8.2	5.00 - 9.00	127270198
BFB Mass 176	1158838	174	14471	95.5	95.0 - 101	127270198
BFB Mass 177	1158838	176	1058	7.3	5.00 - 9.00	127270198
BFB Mass 50	1158838	95.0	5152	17.1	15.0 - 40.0	127270198
BFB Mass 75	1158838	95.0	15353	50.8	30.0 - 60.0	127270198
BFB Mass 95	1158838	95.0	30208	100.0	100 - 100	127270198
BFB Mass 96	1158838	95.0	2089	6.9	5.00 - 9.00	127270198

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
1,1,1-Trichloroethane	1158838	ND	0.914	1.00	ug/L	127270202
1,1,2-Trichloroethane	1158838	ND	1.27	2.00	ug/L	127270202
1,1-Dichloroethylene	1158838	ND	0.812	1.00	ug/L	127270202
1,2-Dibromoethane (EDB)	1158838	ND	1.00	1.00	ug/L	127270202
1,2-Dichloroethane	1158838	ND	0.856	1.00	ug/L	127270202
1,2-Dichloropropane	1158838	ND	1.01	1.01	ug/L	127270202
Benzene	1158838	ND	0.813	1.00	ug/L	127270202
Bromodichloromethane	1158838	ND	0.873	1.00	ug/L	127270202
Bromoform	1158838	ND	1.28	2.00	ug/L	127270202
Carbon Tetrachloride	1158838	ND	0.825	1.00	ug/L	127270202
Chlorobenzene	1158838	ND	0.945	1.00	ug/L	127270202
Chloroform	1158838	ND	0.945	1.00	ug/L	127270202
cis-1,3-Dichloropropene	1158838	ND	0.615	1.00	ug/L	127270202
Dibromochloromethane	1158838	ND	0.995	1.00	ug/L	127270202
Dichloromethane	1158838	ND	1.29	2.00	ug/L	127270202
Ethylbenzene	1158838	ND	0.545	1.00	ug/L	127270202
m-Dichlorobenzene (1,3-DCB)	1158838	ND	0.860	1.00	ug/L	127270202
Methyl ethyl ketone (Butanone)	1158838	ND	6.54	10.0	ug/L	127270202
o-Dichlorobenzene (1,2-DCB)	1158838	ND	0.960	1.00	ug/L	127270202
p-Dichlorobenzene (1,4-DCB)	1158838	ND	0.865	1.00	ug/L	127270202
Tetrachloroethylene	1158838	ND	0.921	1.00	ug/L	127270202
Toluene	1158838	ND	0.656	1.00	ug/L	127270202
trans-1,3-Dichloropropene	1158838	ND	0.695	1.00	ug/L	127270202
Trichloroethylene	1158838	ND	0.789	1.00	ug/L	127270202
Vinyl chloride	1158838	ND	1.04	1.04	ug/L	127270202

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IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1158838	LCS	96270	88090	44050	132100	127270200	1158838
1,4-DichlorobenzeneD4 (ISTD)	1158838	LCS Dup	93700	88090	44050	132100	127270201	1158838
1,4-DichlorobenzeneD4 (ISTD)	1158838	Blank	81790	88090	44050	132100	127270202	1158838
ChlorobenzeneD5 (ISTD)	1158838	LCS	198000	181000	90480	271400	127270200	1158838
ChlorobenzeneD5 (ISTD)	1158838	LCS Dup	195900	181000	90480	271400	127270201	1158838
ChlorobenzeneD5 (ISTD)	1158838	Blank	183700	181000	90480	271400	127270202	1158838
1,4-DichlorobenzeneD4 (ISTD)	2376426	MS	93190	88090	44050	132100	127270205	1158838
1,4-DichlorobenzeneD4 (ISTD)	2376426	MSD	92050	88090	44050	132100	127270206	1158838
ChlorobenzeneD5 (ISTD)	2376426	MS	191200	181000	90480	271400	127270205	1158838
ChlorobenzeneD5 (ISTD)	2376426	MSD	182200	181000	90480	271400	127270206	1158838
1,4-DichlorobenzeneD4 (ISTD)	2376959	Unknown	75750	88090	44050	132100	127270203	1158838
ChlorobenzeneD5 (ISTD)	2376959	Unknown	168900	181000	90480	271400	127270203	1158838

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1158838	LCS	11.07	11.07	11.01	11.13	127270200	1158838
1,4-DichlorobenzeneD4 (ISTD)	1158838	LCS Dup	11.07	11.07	11.01	11.13	127270201	1158838
1,4-DichlorobenzeneD4 (ISTD)	1158838	Blank	11.07	11.07	11.01	11.13	127270202	1158838
ChlorobenzeneD5 (ISTD)	1158838	LCS	8.714	8.714	8.654	8.774	127270200	1158838
ChlorobenzeneD5 (ISTD)	1158838	LCS Dup	8.714	8.714	8.654	8.774	127270201	1158838
ChlorobenzeneD5 (ISTD)	1158838	Blank	8.714	8.714	8.654	8.774	127270202	1158838
1,4-DichlorobenzeneD4 (ISTD)	2376426	MS	11.07	11.07	11.01	11.13	127270205	1158838
1,4-DichlorobenzeneD4 (ISTD)	2376426	MSD	11.07	11.07	11.01	11.13	127270206	1158838
ChlorobenzeneD5 (ISTD)	2376426	MS	8.714	8.714	8.654	8.774	127270205	1158838
ChlorobenzeneD5 (ISTD)	2376426	MSD	8.714	8.714	8.654	8.774	127270206	1158838
1,4-DichlorobenzeneD4 (ISTD)	2376959	Unknown	11.07	11.07	11.01	11.13	127270203	1158838
ChlorobenzeneD5 (ISTD)	2376959	Unknown	8.714	8.714	8.654	8.774	127270203	1158838

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,1,1-Trichloroethane	1158838	19.8	20.0	20.0	70.0 - 130	99.0	100	ug/L	1.01	21.0
1,1,2,2-Tetrachloroethane	1158838	21.5	22.2	20.0	60.0 - 140	108	111	ug/L	2.74	36.0
1,1,2-Trichloroethane	1158838	21.4	22.3	20.0	70.0 - 130	107	112	ug/L	4.57	27.0
1,1-Dichloroethylene	1158838	17.9	18.2	20.0	50.0 - 150	89.5	91.0	ug/L	1.66	40.0
1,2-Dibromoethane (EDB)	1158838	20.1	20.4	20.0	78.4 - 122	100	102	ug/L	1.98	30.0
1,2-Dichloroethane	1158838	19.7	20.3	20.0	70.0 - 130	98.5	102	ug/L	3.49	29.0
1,2-Dichloropropane	1158838	20.6	20.6	20.0	35.0 - 165	103	103	ug/L	0	69.0
Benzene	1158838	20.6	20.7	20.0	65.0 - 135	103	104	ug/L	0.966	33.0
Bromodichloromethane	1158838	20.2	20.0	20.0	65.0 - 135	101	100	ug/L	0.995	34.0
Bromoform	1158838	20.0	20.3	20.0	70.0 - 130	100	102	ug/L	1.98	25.0
Carbon Tetrachloride	1158838	20.2	21.1	20.0	70.0 - 130	101	106	ug/L	4.83	26.0
Chlorobenzene	1158838	20.0	20.4	20.0	65.0 - 135	100	102	ug/L	1.98	29.0
Chloroform	1158838	20.4	20.1	20.0	70.0 - 135	102	100	ug/L	1.98	32.0
cis-1,3-Dichloropropene	1158838	17.8	17.5	20.0	25.0 - 175	89.0	87.5	ug/L	1.70	79.0
Dibromochloromethane	1158838	20.9	20.9	20.0	70.0 - 135	104	104	ug/L	0	30.0

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QUALITY CONTROL



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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Dichloromethane	1158838	17.3	17.5	20.0	60.0 - 140	86.5	87.5	ug/L	1.15	192
Ethylbenzene	1158838	20.6	21.3	20.0	60.0 - 140	103	106	ug/L	2.87	34.0
m-Dichlorobenzene (1,3-DCB)	1158838	18.2	19.7	20.0	70.0 - 130	91.0	98.5	ug/L	7.92	24.0
Methyl ethyl ketone (Butanone)	1158838	21.2	23.0	20.0	62.3 - 136	106	115	ug/L	8.14	30.0
o-Dichlorobenzene (1,2-DCB)	1158838	19.5	20.8	20.0	65.0 - 135	97.5	104	ug/L	6.45	31.0
p-Dichlorobenzene (1,4-DCB)	1158838	18.0	18.7	20.0	65.0 - 135	90.0	93.5	ug/L	3.81	31.0
Tetrachloroethylene	1158838	20.6	20.9	20.0	70.0 - 130	103	104	ug/L	0.966	23.0
Toluene	1158838	20.4	21.0	20.0	70.0 - 130	102	105	ug/L	2.90	22.0
trans-1,3-Dichloropropene	1158838	18.0	18.0	20.0	50.0 - 150	90.0	90.0	ug/L	0	52.0
Trichloroethylene	1158838	19.6	19.7	20.0	65.0 - 135	98.0	98.5	ug/L	0.509	29.0
Vinyl chloride	1158838	13.8	13.3	20.0	5.00 - 195	69.0	66.5	ug/L	3.69	100

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
1,1,1-Trichloroethane	2376426	201000	213000	7700	200000	52.0 - 162	96.6	103	ug/L	6.02	36.0
1,1,2,2-Tetrachloroethane	2376426	211000	221000	7700	200000	46.0 - 157	102	107	ug/L	4.80	61.0
1,1,2-Trichloroethane	2376426	218000	231000	7700	200000	52.0 - 150	105	112	ug/L	6.00	45.0
1,1-Dichloroethylene	2376426	178000	184000	7700	200000	0.100 - 234	85.2	88.2	ug/L	3.46	32.0
1,2-Dibromoethane (EDB)	2376426	196000	212000	7700	200000	49.3 - 120	94.2	102	ug/L	8.15	30.0
1,2-Dichloroethane	2376426	200000	212000	7700	200000	49.0 - 155	96.2	102	ug/L	6.05	49.0
1,2-Dichloropropane	2376426	204000	214000	7700	200000	0.100 - 210	98.2	103	ug/L	4.97	55.0
Benzene	2376426	205000	216000	7700	200000	37.0 - 151	98.6	104	ug/L	5.42	61.0
Bromodichloromethane	2376426	197000	205000	7700	200000	35.0 - 155	94.6	98.6	ug/L	4.14	56.0
Bromoform	2376426	190000	201000	7700	200000	45.0 - 169	91.2	96.6	ug/L	5.86	42.0
Carbon Tetrachloride	2376426	194000	201000	7700	200000	70.0 - 140	93.2	96.6	ug/L	3.69	41.0
Chlorobenzene	2376426	199000	211000	7700	200000	37.0 - 160	95.6	102	ug/L	6.08	53.0
Chloroform	2376426	203000	211000	7700	200000	51.0 - 138	97.6	102	ug/L	4.01	54.0
cis-1,3-Dichloropropene	2376426	170000	179000	7700	200000	0.100 - 227	81.2	85.6	ug/L	5.40	58.0
Dibromochloromethane	2376426	202000	205000	7700	200000	53.0 - 149	97.2	98.6	ug/L	1.53	50.0
Dichloromethane	2376426	169000	183000	7700	200000	0.100 - 221	80.6	87.6	ug/L	8.32	28.0
Ethylbenzene	2376426	204000	220000	7700	200000	37.0 - 162	98.2	106	ug/L	7.83	63.0
m-Dichlorobenzene (1,3-DCB)	2376426	184000	194000	7700	200000	59.0 - 156	88.2	93.2	ug/L	5.52	43.0
Methyl ethyl ketone (Butanone)	2376426	4670000	5070000	4170000	200000	0.100 - 211	250 *	450 *	ug/L	57.1 *	30.0
o-Dichlorobenzene (1,2-DCB)	2376426	192000	201000	7700	200000	18.0 - 190	92.2	96.6	ug/L	4.77	57.0
p-Dichlorobenzene (1,4-DCB)	2376426	174000	189000	7700	200000	18.0 - 190	83.2	90.6	ug/L	8.63	57.0
Tetrachloroethylene	2376426	204000	225000	7700	200000	64.0 - 148	98.2	109	ug/L	10.2	39.0
Toluene	2376426	216000	225000	7700	200000	47.0 - 150	104	109	ug/L	4.23	41.0
trans-1,3-Dichloropropene	2376426	177000	185000	7700	200000	17.0 - 183	84.6	88.6	ug/L	4.62	86.0
Trichloroethylene	2376426	200000	207000	7700	200000	70.0 - 157	96.2	99.6	ug/L	3.58	48.0
Vinyl chloride	2376426	279000	298000	7700	200000	0.100 - 251	136	145	ug/L	6.77	66.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1158838	LCS	15.5	20.0	ug/L	77.5	70.0 - 130	127270200
1,2-DCA-d4 (SURR)	1158838	LCS Dup	15.3	20.0	ug/L	76.5	70.0 - 130	127270201

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Surrogate								
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1158838	Blank	15.5	20.0	ug/L	77.5	70.0 - 130	127270202
Bromofluorobenzene (SURR)	1158838	LCS	19.7	20.0	ug/L	98.5	70.0 - 130	127270200
Bromofluorobenzene (SURR)	1158838	LCS Dup	19.8	20.0	ug/L	99.0	70.0 - 130	127270201
Bromofluorobenzene (SURR)	1158838	Blank	18.2	20.0	ug/L	91.0	70.0 - 130	127270202
Dibromofluoromethane (SURR)	1158838	LCS	16.4	20.0	ug/L	82.0	70.0 - 130	127270200
Dibromofluoromethane (SURR)	1158838	LCS Dup	16.4	20.0	ug/L	82.0	70.0 - 130	127270201
Dibromofluoromethane (SURR)	1158838	Blank	16.0	20.0	ug/L	80.0	70.0 - 130	127270202
TolueneD8 (SURR)	1158838	LCS	17.3	20.0	ug/L	86.5	70.0 - 130	127270200
TolueneD8 (SURR)	1158838	LCS Dup	17.2	20.0	ug/L	86.0	70.0 - 130	127270201
TolueneD8 (SURR)	1158838	Blank	16.1	20.0	ug/L	80.5	70.0 - 130	127270202
1,2-DCA-d4 (SURR)	2376426	MS	15.3	20.0	ug/L	76.5	70.0 - 130	127270205
1,2-DCA-d4 (SURR)	2376426	MSD	15.9	20.0	ug/L	79.5	70.0 - 130	127270206
Bromofluorobenzene (SURR)	2376426	MS	19.4	20.0	ug/L	97.0	70.0 - 130	127270205
Bromofluorobenzene (SURR)	2376426	MSD	19.0	20.0	ug/L	95.0	70.0 - 130	127270206
Dibromofluoromethane (SURR)	2376426	MS	16.2	20.0	ug/L	81.0	70.0 - 130	127270205
Dibromofluoromethane (SURR)	2376426	MSD	16.7	20.0	ug/L	83.5	70.0 - 130	127270206
TolueneD8 (SURR)	2376426	MS	16.7	20.0	ug/L	83.5	70.0 - 130	127270205
TolueneD8 (SURR)	2376426	MSD	17.1	20.0	ug/L	85.5	70.0 - 130	127270206
1,2-DCA-d4 (SURR)	2376959	Unknown	16.0	20.0	ug/L	80.0	70.0 - 130	127270203
Bromofluorobenzene (SURR)	2376959	Unknown	18.4	20.0	ug/L	92.0	70.0 - 130	127270203
Dibromofluoromethane (SURR)	2376959	Unknown	16.3	20.0	ug/L	81.5	70.0 - 130	127270203
TolueneD8 (SURR)	2376959	Unknown	15.9	20.0	ug/L	79.5	70.0 - 130	127270203

Analytical Set

1158843

EPA 624.1

BFB						
Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1158843	174	208	1.4	0 - 2.00	127270243
BFB Mass 174	1158843	95.0	15149	50.1	50.0 - 100	127270243
BFB Mass 175	1158843	174	1243	8.2	5.00 - 9.00	127270243
BFB Mass 176	1158843	174	14471	95.5	95.0 - 101	127270243
BFB Mass 177	1158843	176	1058	7.3	5.00 - 9.00	127270243
BFB Mass 50	1158843	95.0	5152	17.1	15.0 - 40.0	127270243
BFB Mass 75	1158843	95.0	15353	50.8	30.0 - 60.0	127270243
BFB Mass 95	1158843	95.0	30208	100.0	100 - 100	127270243
BFB Mass 96	1158843	95.0	2089	6.9	5.00 - 9.00	127270243

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Acrylonitrile	1158843	ND	1.43	2.00	ug/L	127270247

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1158843	LCS	96270	88090	44050	132100	127270245	1158843
1,4-DichlorobenzeneD4 (ISTD)	1158843	LCS Dup	93700	88090	44050	132100	127270246	1158843
1,4-DichlorobenzeneD4 (ISTD)	1158843	Blank	81790	88090	44050	132100	127270247	1158843

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IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
ChlorobenzeneD5 (ISTD)	1158843	LCS	198000	181000	90480	271400	127270245	1158843
ChlorobenzeneD5 (ISTD)	1158843	LCS Dup	195900	181000	90480	271400	127270246	1158843
ChlorobenzeneD5 (ISTD)	1158843	Blank	183700	181000	90480	271400	127270247	1158843
1,4-DichlorobenzeneD4 (ISTD)	2376426	MS	93190	88090	44050	132100	127270249	1158843
1,4-DichlorobenzeneD4 (ISTD)	2376426	MSD	92050	88090	44050	132100	127270250	1158843
ChlorobenzeneD5 (ISTD)	2376426	MS	191200	181000	90480	271400	127270249	1158843
ChlorobenzeneD5 (ISTD)	2376426	MSD	182200	181000	90480	271400	127270250	1158843
1,4-DichlorobenzeneD4 (ISTD)	2376959	Unknown	77470	88090	44050	132100	127270251	1158843
ChlorobenzeneD5 (ISTD)	2376959	Unknown	171300	181000	90480	271400	127270251	1158843

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1158843	LCS	11.07	11.07	11.01	11.13	127270245	1158843
1,4-DichlorobenzeneD4 (ISTD)	1158843	LCS Dup	11.07	11.07	11.01	11.13	127270246	1158843
1,4-DichlorobenzeneD4 (ISTD)	1158843	Blank	11.07	11.07	11.01	11.13	127270247	1158843
ChlorobenzeneD5 (ISTD)	1158843	LCS	8.714	8.714	8.654	8.774	127270245	1158843
ChlorobenzeneD5 (ISTD)	1158843	LCS Dup	8.714	8.714	8.654	8.774	127270246	1158843
ChlorobenzeneD5 (ISTD)	1158843	Blank	8.714	8.714	8.654	8.774	127270247	1158843
1,4-DichlorobenzeneD4 (ISTD)	2376426	MS	11.07	11.07	11.01	11.13	127270249	1158843
1,4-DichlorobenzeneD4 (ISTD)	2376426	MSD	11.07	11.07	11.01	11.13	127270250	1158843
ChlorobenzeneD5 (ISTD)	2376426	MS	8.714	8.714	8.654	8.774	127270249	1158843
ChlorobenzeneD5 (ISTD)	2376426	MSD	8.714	8.714	8.654	8.774	127270250	1158843
1,4-DichlorobenzeneD4 (ISTD)	2376959	Unknown	11.07	11.07	11.01	11.13	127270251	1158843
ChlorobenzeneD5 (ISTD)	2376959	Unknown	8.714	8.714	8.654	8.774	127270251	1158843

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Acrylonitrile	1158843	37.1	38.9	40.0	60.0 - 140	92.8	97.2	ug/L	4.63	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Acrylonitrile	2376426	350000	387000	ND	400000	40.0 - 160	87.5	96.8	ug/L	10.0	60.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1158843	LCS	15.5	20.0	ug/L	77.5	70.0 - 130	127270245
1,2-DCA-d4 (SURR)	1158843	LCS Dup	15.3	20.0	ug/L	76.5	70.0 - 130	127270246
1,2-DCA-d4 (SURR)	1158843	Blank	15.5	20.0	ug/L	77.5	70.0 - 130	127270247
Bromofluorobenzene (SURR)	1158843	LCS	19.7	20.0	ug/L	98.5	70.0 - 130	127270245
Bromofluorobenzene (SURR)	1158843	LCS Dup	19.8	20.0	ug/L	99.0	70.0 - 130	127270246
Bromofluorobenzene (SURR)	1158843	Blank	18.2	20.0	ug/L	91.0	70.0 - 130	127270247
Dibromofluoromethane (SURR)	1158843	LCS	16.4	20.0	ug/L	82.0	70.0 - 130	127270245
Dibromofluoromethane (SURR)	1158843	LCS Dup	16.4	20.0	ug/L	82.0	70.0 - 130	127270246
Dibromofluoromethane (SURR)	1158843	Blank	16.0	20.0	ug/L	80.0	70.0 - 130	127270247
TolueneD8 (SURR)	1158843	LCS	17.3	20.0	ug/L	86.5	70.0 - 130	127270245
TolueneD8 (SURR)	1158843	LCS Dup	17.2	20.0	ug/L	86.0	70.0 - 130	127270246

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Surrogate								
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
TolueneD8 (SURRE)	1158843	Blank	16.1	20.0	ug/L	80.5	70.0 - 130	127270247
1,2-DCA-d4 (SURRE)	2376426	MS	15.3	20.0	ug/L	76.5	70.0 - 130	127270249
1,2-DCA-d4 (SURRE)	2376426	MSD	15.9	20.0	ug/L	79.5	70.0 - 130	127270250
Bromofluorobenzene (SURRE)	2376426	MS	19.4	20.0	ug/L	97.0	70.0 - 130	127270249
Bromofluorobenzene (SURRE)	2376426	MSD	19.0	20.0	ug/L	95.0	70.0 - 130	127270250
Dibromofluoromethane (SURRE)	2376426	MS	16.2	20.0	ug/L	81.0	70.0 - 130	127270249
Dibromofluoromethane (SURRE)	2376426	MSD	16.7	20.0	ug/L	83.5	70.0 - 130	127270250
TolueneD8 (SURRE)	2376426	MS	16.7	20.0	ug/L	83.5	70.0 - 130	127270249
TolueneD8 (SURRE)	2376426	MSD	17.1	20.0	ug/L	85.5	70.0 - 130	127270250
1,2-DCA-d4 (SURRE)	2376959	Unknown	16.8	20.0	ug/L	84.0	70.0 - 130	127270251
Bromofluorobenzene (SURRE)	2376959	Unknown	17.9	20.0	ug/L	89.5	70.0 - 130	127270251
Dibromofluoromethane (SURRE)	2376959	Unknown	16.9	20.0	ug/L	84.5	70.0 - 130	127270251
TolueneD8 (SURRE)	2376959	Unknown	15.8	20.0	ug/L	79.0	70.0 - 130	127270251

Analytical Set

1159503

EPA 625.1

Blank						
Parameter	PrepSet	Reading	MDL	MLQ	Units	File
1,2,4,5-Tetrachlorobenzene	1158516	ND	0.517	1.00	ug/L	127284077
1,2-Dichlorobenzene	1158516	ND	0.598	1.00	ug/L	127284077
1,3-Dichlorobenzene	1158516	ND	0.686	1.00	ug/L	127284077
1,4-Dichlorobenzene	1158516	ND	0.633	1.00	ug/L	127284077
2,4,5-Trichlorophenol	1158516	ND	0.734	1.00	ug/L	127284077
2,4-Dimethylphenol	1158516	ND	2.32	2.40	ug/L	127284077
2-Methylphenol (o-Cresol)	1158516	ND	5.13	5.20	ug/L	127284077
3&4-Methylphenol (m&p-Cresol)	1158516	ND	6.15	6.20	ug/L	127284077
3,3'-Dichlorobenzidine	1158516	ND	4.79	5.00	ug/L	127284077
Anthracene	1158516	ND	0.538	1.00	ug/L	127284077
Benzidine	1158516	ND	19.9	20.0	ug/L	127284077
Benzo(a)anthracene	1158516	ND	0.627	1.00	ug/L	127284077
Benzo(a)pyrene	1158516	ND	0.478	1.00	ug/L	127284077
Bis(2-chloroethyl)ether	1158516	ND	0.434	1.00	ug/L	127284077
Bis(2-ethylhexyl)phthalate	1158516	ND	1.63	7.50	ug/L	127284077
Chrysene (Benzo(a)phenanthrene)	1158516	ND	0.575	1.00	ug/L	127284077
Di-n-butylphthalate	1158516	ND	0.834	7.50	ug/L	127284077
Hexachlorobenzene	1158516	ND	0.187	1.00	ug/L	127284077
Hexachlorobutadiene	1158516	ND	0.618	1.00	ug/L	127284077
Hexachlorocyclopentadiene	1158516	ND	8.69	9.00	ug/L	127284077
Hexachloroethane	1158516	ND	0.789	1.00	ug/L	127284077
Nitrobenzene	1158516	ND	0.390	1.00	ug/L	127284077
n-Nitrosodiethylamine	1158516	ND	0.282	1.00	ug/L	127284077
n-Nitroso-di-n-butylamine	1158516	ND	0.403	1.00	ug/L	127284077
Pentachlorobenzene	1158516	ND	0.420	1.00	ug/L	127284077
Pentachlorophenol	1158516	ND	0.129	1.00	ug/L	127284077
Phenanthrene	1158516	ND	0.624	1.00	ug/L	127284077

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
Pyridine	1158516	ND	5.33	5.40	ug/L	127284077

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
1,2,4,5-Tetrachlorobenzene	50900	50000	ug/L	102	60.0 - 140	127284076
1,2-Dichlorobenzene	56100	50000	ug/L	112	60.0 - 140	127284076
1,3-Dichlorobenzene	55800	50000	ug/L	112	60.0 - 140	127284076
1,4-Dichlorobenzene	53400	50000	ug/L	107	60.0 - 140	127284076
2,4,5-Trichlorophenol	46900	50000	ug/L	93.8	69.0 - 130	127284076
2,4-Dimethylphenol	42700	50000	ug/L	85.4	58.0 - 130	127284076
2-Methylphenol (o-Cresol)	45200	50000	ug/L	90.4	60.0 - 140	127284076
3&4-Methylphenol (m&p-Cresol)	47700	50000	ug/L	95.4	60.0 - 140	127284076
3,3'-Dichlorobenzidine	47100	50000	ug/L	94.2	18.0 - 213	127284076
Anthracene	56400	50000	ug/L	113	58.0 - 130	127284076
Benzidine	26300	50000	ug/L	52.6	20.0 - 180	127284076
Benzo(a)anthracene	56300	50000	ug/L	113	42.0 - 133	127284076
Benzo(a)pyrene	59200	50000	ug/L	118	32.0 - 148	127284076
Bis(2-chloroethyl)ether	57700	50000	ug/L	115	52.0 - 130	127284076
Bis(2-ethylhexyl)phthalate	68600	50000	ug/L	137	43.0 - 137	127284076
Chrysene (Benzo(a)phenanthrene)	59200	50000	ug/L	118	44.0 - 140	127284076
Di-n-butylphthalate	59000	50000	ug/L	118	52.0 - 130	127284076
Hexachlorobenzene	54400	50000	ug/L	109	38.0 - 142	127284076
Hexachlorobutadiene	55300	50000	ug/L	111	68.0 - 130	127284076
Hexachlorocyclopentadiene	42100	50000	ug/L	84.2	60.0 - 140	127284076
Hexachloroethane	57600	50000	ug/L	115	55.0 - 130	127284076
Nitrobenzene	56800	50000	ug/L	114	54.0 - 158	127284076
n-Nitrosodiethylamine	57300	50000	ug/L	115	60.0 - 140	127284076
n-Nitroso-di-n-butylamine	57000	50000	ug/L	114	60.0 - 140	127284076
Pentachlorobenzene	53000	50000	ug/L	106	60.0 - 140	127284076
Pentachlorophenol	42200	50000	ug/L	84.4	42.0 - 152	127284076
Phenanthrene	52700	50000	ug/L	105	67.0 - 130	127284076
Pyridine	51100	50000	ug/L	102	60.0 - 140	127284076

DFTPP

<i>Parameter</i>		<i>RefMass</i>	<i>Reading</i>	<i>%</i>	<i>Limits%</i>	<i>File</i>
DFTPP Mass 127	629461	198	71064	53.3	40.0 - 60.0	127284074
DFTPP Mass 197	629461	198	0	0.0	0 - 1.00	127284074
DFTPP Mass 198	629461	198	133426	100.0	100 - 100	127284074
DFTPP Mass 199	629461	198	9105	6.8	5.00 - 9.00	127284074
DFTPP Mass 275	629461	198	30357	22.8	10.0 - 30.0	127284074
DFTPP Mass 365	629461	198	3448	2.6	1.00 - 100	127284074
DFTPP Mass 441	629461	443	12253	75.6	0 - 100	127284074
DFTPP Mass 442	629461	198	83888	62.9	40.0 - 100	127284074
DFTPP Mass 443	629461	442	16209	19.3	17.0 - 23.0	127284074
DFTPP Mass 51	629461	198	48546	36.4	30.0 - 60.0	127284074

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DFTPP

<u>Parameter</u>		<u>RefMass</u>	<u>Reading</u>	<u>%</u>	<u>Limits%</u>	<u>File</u>
DFTPP Mass 68	629461	69.0	0	0.0	0 - 2.00	127284074
DFTPP Mass 69	629461	198	57996	43.5	0 - 100	127284074
DFTPP Mass 70	629461	69.0	293	0.5	0 - 2.00	127284074

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,2,4,5-Tetrachlorobenzene	1158516	15.9	16.5	25.0	27.5 - 85.5	63.6	66.0	ug/L	3.70	50.0
1,2-Dichlorobenzene	1158516	14.4	15.2	25.0	23.0 - 81.8	57.6	60.8	ug/L	5.41	50.0
1,3-Dichlorobenzene	1158516	13.6	14.4	25.0	21.1 - 80.5	54.4	57.6	ug/L	5.71	50.0
1,4-Dichlorobenzene	1158516	13.6	14.2	25.0	21.4 - 76.9	54.4	56.8	ug/L	4.32	50.0
2,4,5-Trichlorophenol	1158516	18.4	19.0	25.0	51.3 - 109	73.6	76.0	ug/L	3.21	50.0
2,4-Dimethylphenol	1158516	5.92	7.04	25.0	23.0 - 120	23.7	28.2	ug/L	17.3	68.0
2-Methylphenol (o-Cresol)	1158516	13.8	14.7	25.0	38.9 - 76.1	55.2	58.8	ug/L	6.32	50.0
3&4-Methylphenol (m&p-Cresol)	1158516	12.5	13.3	25.0	33.0 - 70.4	50.0	53.2	ug/L	6.20	50.0
3,3'-Dichlorobenzidine	1158516	20.8	20.2	25.0	0.100 - 262	83.2	80.8	ug/L	2.93	108
Anthracene	1158516	22.6	22.6	25.0	27.0 - 133	90.4	90.4	ug/L	0	66.0
Benidine	1158516	0.980	0.320	25.0	0.100 - 36.9	3.92	1.28	ug/L	102 *	90.0
Benzo(a)anthracene	1158516	22.4	22.3	25.0	33.0 - 143	89.6	89.2	ug/L	0.447	53.0
Benzo(a)pyrene	1158516	23.5	23.3	25.0	17.0 - 163	94.0	93.2	ug/L	0.855	72.0
Bis(2-chloroethyl)ether	1158516	19.4	20.3	25.0	12.0 - 158	77.6	81.2	ug/L	4.53	108
Bis(2-ethylhexyl)phthalate	1158516	21.8	21.7	25.0	8.00 - 158	87.2	86.8	ug/L	0.460	82.0
Chrysene (Benzo(a)phenanthrene)	1158516	23.6	23.5	25.0	17.0 - 168	94.4	94.0	ug/L	0.425	87.0
Di-n-butylphthalate	1158516	24.5	25.5	25.0	1.00 - 120	98.0	102	ug/L	4.00	47.0
Hexachlorobenzene	1158516	20.4	20.6	25.0	0.100 - 152	81.6	82.4	ug/L	0.976	55.0
Hexachlorobutadiene	1158516	12.2	13.2	25.0	24.0 - 120	48.8	52.8	ug/L	7.87	62.0
Hexachlorocyclopentadiene	1158516	5.05	6.09	25.0	3.97 - 68.7	20.2	24.4	ug/L	18.8	50.0
Hexachloroethane	1158516	13.2	14.0	25.0	40.0 - 120	52.8	56.0	ug/L	5.88	52.0
Nitrobenzene	1158516	18.9	20.2	25.0	35.0 - 180	75.6	80.8	ug/L	6.65	62.0
n-Nitrosodiethylamine	1158516	18.1	19.2	25.0	18.0 - 100	72.4	76.8	ug/L	5.90	50.0
n-Nitroso-di-n-butylamine	1158516	19.8	20.3	25.0	48.4 - 98.5	79.2	81.2	ug/L	2.49	50.0
Pentachlorobenzene	1158516	18.3	18.7	25.0	39.3 - 93.7	73.2	74.8	ug/L	2.16	50.0
Pentachlorophenol	1158516	14.4	15.9	25.0	14.0 - 176	57.6	63.6	ug/L	9.90	86.0
Phenanthrene	1158516	22.2	22.6	25.0	54.0 - 120	88.8	90.4	ug/L	1.79	39.0
Pyridine	1158516	7.46	7.47	25.0	11.2 - 50.6	29.8	29.9	ug/L	0.335	50.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4,6-Tribromophenol	629304	CCV	56400	100000	ug/L	56.4	10.0 - 150	127284076
2-Fluorophenol-SURR	629304	CCV	57100	100000	ug/L	57.1	10.0 - 150	127284076
4-Terphenyl-d14-SURR	629304	CCV	54200	50000	ug/L	108	30.0 - 150	127284076
Nitrobenzene-d5-SURR	629304	CCV	53100	50000	ug/L	106	30.0 - 150	127284076
Phenol-d6-SURR	629304	CCV	57200	100000	ug/L	57.2	10.0 - 150	127284076
2,4,6-Tribromophenol	1158516	Blank	44.4	100	ug/L	44.4	10.0 - 150	127284077
2,4,6-Tribromophenol	1158516	LCS	65.7	100	ug/L	65.7	10.0 - 150	127284078
2,4,6-Tribromophenol	1158516	LCS Dup	68.6	100	ug/L	68.6	10.0 - 150	127284079

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Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2-Fluorophenol-SURR	1158516	Blank	26900	100000	ug/L	26.9	10.0 - 150	127284077
2-Fluorophenol-SURR	1158516	LCS	39200	100000	ug/L	39.2	10.0 - 150	127284078
2-Fluorophenol-SURR	1158516	LCS Dup	40900	100000	ug/L	40.9	10.0 - 150	127284079
4-Terphenyl-d14-SURR	1158516	Blank	29200	50000	ug/L	58.4	30.0 - 150	127284077
4-Terphenyl-d14-SURR	1158516	LCS	34600	50000	ug/L	69.2	30.0 - 150	127284078
4-Terphenyl-d14-SURR	1158516	LCS Dup	36200	50000	ug/L	72.4	30.0 - 150	127284079
Nitrobenzene-d5-SURR	1158516	Blank	28500	50000	ug/L	57.0	30.0 - 150	127284077
Nitrobenzene-d5-SURR	1158516	LCS	32400	50000	ug/L	64.8	30.0 - 150	127284078
Nitrobenzene-d5-SURR	1158516	LCS Dup	34100	50000	ug/L	68.2	30.0 - 150	127284079
Phenol-d6-SURR	1158516	Blank	21700	100000	ug/L	21.7	10.0 - 150	127284077
Phenol-d6-SURR	1158516	LCS	28500	100000	ug/L	28.5	10.0 - 150	127284078
Phenol-d6-SURR	1158516	LCS Dup	30300	100000	ug/L	30.3	10.0 - 150	127284079
2,4,6-Tribromophenol	2376959	Unknown	21.8	100	ug/L	21.8	10.0 - 150	127284080
2-Fluorophenol-SURR	2376959	Unknown	15.4	100	ug/L	15.4	10.0 - 150	127284080
4-Terphenyl-d14-SURR	2376959	Unknown	17.5	50.0	ug/L	35.0	30.0 - 150	127284080
Nitrobenzene-d5-SURR	2376959	Unknown	17.9	50.0	ug/L	35.8	30.0 - 150	127284080
Phenol-d6-SURR	2376959	Unknown	9.59	100	ug/L	9.59 *	10.0 - 150	127284080

Analytical Set

1159504

EPA 625.1

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
2,4-Dimethylphenol	2376210	132	130	ND	250	32.0 - 120	52.8	52.0	ug/L	1.53	58.0
3,3'-Dichlorobenzidine	2376210	54.0	91.0	ND	250	0.100 - 262	21.6	36.4	ug/L	51.0	108
Anthracene	2376210	171	169	ND	250	27.0 - 133	68.4	67.6	ug/L	1.18	66.0
Benzo(a)anthracene	2376210	166	164	ND	250	33.0 - 143	66.4	65.6	ug/L	1.21	53.0
Benzo(a)pyrene	2376210	163	158	ND	250	17.0 - 163	65.2	63.2	ug/L	3.12	72.0
Bis(2-chloroethyl)ether	2376210	176	168	ND	250	12.0 - 158	70.4	67.2	ug/L	4.65	108
Bis(2-ethylhexyl)phthalate	2376210	188	176	ND	250	8.00 - 158	75.2	70.4	ug/L	6.59	82.0
Chrysene (Benzo(a)phenanthrene)	2376210	172	167	ND	250	17.0 - 168	68.8	66.8	ug/L	2.95	87.0
Di-n-butylphthalate	2376210	176	171	ND	250	1.00 - 120	70.4	68.4	ug/L	2.88	47.0
Hexachlorobenzene	2376210	160	161	ND	250	0.100 - 152	64.0	64.4	ug/L	0.623	55.0
Hexachlorobutadiene	2376210	115	117	ND	250	24.0 - 120	46.0	46.8	ug/L	1.72	62.0
Hexachlorocyclopentadiene	2376210	87.5	90.5	44.5	250	0 - 0	17.2 *	18.4 *	ug/L	6.74	30.0
Hexachloroethane	2376210	118	124	ND	250	40.0 - 120	47.2	49.6	ug/L	4.96	52.0
Nitrobenzene	2376210	167	158	ND	250	35.0 - 180	66.8	63.2	ug/L	5.54	62.0
Pentachlorophenol	2376210	124	116	43.0	250	14.0 - 176	32.4	29.2	ug/L	10.4	86.0
Phenanthrene	2376210	177	171	ND	250	54.0 - 120	70.8	68.4	ug/L	3.45	39.0

Analytical Set

1159881

EPA 608.3

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
PCB-1016	1158725	ND	0.202	0.202	ug/L	127291826
PCB-1221	1158725	ND	0.143	0.200	ug/L	127291826
PCB-1232	1158725	ND	0.143	0.200	ug/L	127291826

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
PCB-1242	1158725	ND	0.192	0.200	ug/L	127291826
PCB-1248	1158725	ND	0.143	0.200	ug/L	127291826
PCB-1254	1158725	ND	0.143	0.200	ug/L	127291826
PCB-1260	1158725	ND	0.161	0.200	ug/L	127291826
PCB-1262	1158725	ND	0.198	0.200	ug/L	127291826
PCB-1268	1158725	ND	0.143	0.200	ug/L	127291826

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
PCB-1016	779	1000	ug/L	77.9	80.0 - 115 *	127291825
PCB-1016	855	1000	ug/L	85.5	80.0 - 115	127291832
PCB-1260	897	1000	ug/L	89.7	80.0 - 115	127291825
PCB-1260	822	1000	ug/L	82.2	80.0 - 115	127291832

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
PCB-1016	1158725	6.03	5.94	10.0	39.8 - 135	60.3	59.4	ug/L	1.50	30.0
PCB-1260	1158725	6.79	6.88	10.0	36.1 - 134	67.9	68.8	ug/L	1.32	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	1158725	Blank	60.4	100	ug/L	60.4	10.0 - 200	127291826
Tetrachloro-m-Xylene (Surr)	1158725	Blank	50.8	100	ug/L	50.8	10.0 - 200	127291826
Decachlorobiphenyl	2376959	Unknown	0.726	1.07	ug/L	67.9	10.0 - 200	127291831
Tetrachloro-m-Xylene (Surr)	2376959	Unknown	0.567	1.07	ug/L	53.0	10.0 - 200	127291831

Analytical Set

1160481

ASTM D7065-17

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Nonylphenol	1159778	ND	5.00	30.0	ug/L	127304079

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Nonylphenol	298000	300000	ug/L	99.4	70.0 - 130	127304078
Nonylphenol	289000	300000	ug/L	96.4	70.0 - 130	127304089

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	626988	CCV	1068000	1068000	534200	1602000	127304078	626988
Acenaphthene-d10-ISTD	626988	CCV	1056000	1068000	534200	1602000	127304089	626988
Phenanthrene-d10-ISTD	626988	CCV	1424000	1424000	712000	2136000	127304078	626988
Phenanthrene-d10-ISTD	626988	CCV	1399000	1424000	712000	2136000	127304089	626988
Acenaphthene-d10-ISTD	1159778	Blank	898000	1068000	534200	1602000	127304079	1159778
Acenaphthene-d10-ISTD	1159778	LCS	938900	1068000	534200	1602000	127304080	1159778
Acenaphthene-d10-ISTD	1159778	LCS Dup	1054000	1068000	534200	1602000	127304081	1159778
Phenanthrene-d10-ISTD	1159778	Blank	1328000	1424000	712000	2136000	127304079	1159778

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IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Phenanthrene-d10-ISTD	1159778	LCS	1350000	1424000	712000	2136000	127304080	1159778
Phenanthrene-d10-ISTD	1159778	LCS Dup	1384000	1424000	712000	2136000	127304081	1159778
Acenaphthene-d10-ISTD	2376959	Unknown	1028000	1068000	534200	1602000	127304083	1159778
Phenanthrene-d10-ISTD	2376959	Unknown	1416000	1424000	712000	2136000	127304083	1159778

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	626988	CCV	7.359	7.359	7.299	7.419	127304078	626988
Acenaphthene-d10-ISTD	626988	CCV	7.370	7.359	7.299	7.419	127304089	626988
Phenanthrene-d10-ISTD	626988	CCV	8.609	8.609	8.549	8.669	127304078	626988
Phenanthrene-d10-ISTD	626988	CCV	8.615	8.609	8.549	8.669	127304089	626988
Acenaphthene-d10-ISTD	1159778	Blank	7.365	7.359	7.299	7.419	127304079	1159778
Acenaphthene-d10-ISTD	1159778	LCS	7.359	7.359	7.299	7.419	127304080	1159778
Acenaphthene-d10-ISTD	1159778	LCS Dup	7.359	7.359	7.299	7.419	127304081	1159778
Phenanthrene-d10-ISTD	1159778	Blank	8.609	8.609	8.549	8.669	127304079	1159778
Phenanthrene-d10-ISTD	1159778	LCS	8.609	8.609	8.549	8.669	127304080	1159778
Phenanthrene-d10-ISTD	1159778	LCS Dup	8.609	8.609	8.549	8.669	127304081	1159778
Acenaphthene-d10-ISTD	2376959	Unknown	7.371	7.359	7.299	7.419	127304083	1159778
Phenanthrene-d10-ISTD	2376959	Unknown	8.615	8.609	8.549	8.669	127304083	1159778

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Nonylphenol	1159778	83.3	63.8	150	56.0 - 112	55.5 *	42.5 *	ug/L	26.5	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
4-Nonylphenol-SURR	626988	CCV	48900	50000	ug/L	97.8	50.0 - 130	127304078
4-Nonylphenol-SURR	626988	CCV	47600	50000	ug/L	95.2	50.0 - 130	127304089
4-Nonylphenol-SURR	1159778	Blank	6760	25000	ug/L	27.0 *	50.0 - 130	127304079
4-Nonylphenol-SURR	1159778	LCS	12700	25000	ug/L	50.8	50.0 - 130	127304080
4-Nonylphenol-SURR	1159778	LCS Dup	11600	25000	ug/L	46.4 *	50.0 - 130	127304081
4-Nonylphenol-SURR	2376959	Unknown	-1.20	30.0	ug/L	-4.00 *	50.0 - 130	127304083

Analytical Set

1158908

SM 5220 D-2011

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Chemical Oxygen Demand	1158908	ND	20.0	20.0	mg/L	127271406

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chemical Oxygen Demand	405	400	mg/L	101	90.0 - 110	127271407

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Chemical Oxygen Demand	2376637	39.3	37.2	mg/L	5.49	20.0
Chemical Oxygen Demand	2376950	126	140	mg/L	10.5	20.0

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LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Chemical Oxygen Demand	1158908	204	200	mg/L	102	90.0 - 110	127271408

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Chemical Oxygen Demand	2376637	265	37.2	220	mg/L	104	80.0 - 120	127271411
Chemical Oxygen Demand	2376950	347	140	220	mg/L	94.1	80.0 - 120	127271423

Analytical Set

1159441

SM 2320 B-2011

Blank

Parameter	PrepSet	Reading	MDL	MDL	Units	File
Total Alkalinity (as CaCO ₃)	1159441	ND	1.00	1.00	mg/L	127282656

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Alkalinity (as CaCO ₃)	27.4	25.0	mg/L	110	90.0 - 110	127282655
Total Alkalinity (as CaCO ₃)	25.4	25.0	mg/L	102	90.0 - 110	127282669
Total Alkalinity (as CaCO ₃)	27.4	25.0	mg/L	110	90.0 - 110	127282682

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Alkalinity (as CaCO ₃)	2376959	1300	1240	mg/L	4.72	20.0
Total Alkalinity (as CaCO ₃)	2377548	506	505	mg/L	0.198	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Alkalinity (as CaCO ₃)	27.4	25.0	mg/L	110	90.0 - 110	127282654

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Total Alkalinity (as CaCO ₃)	2376959	1270	1240	25.0	mg/L	120	70.0 - 130	127282659
Total Alkalinity (as CaCO ₃)	2377548	504	505	25.0	mg/L	0	70.0 - 130	127282672

* Out RPD is Relative Percent Difference: $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent: $\text{result} / \text{known} * 100\%$

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); ICV - Initial Calibration Verification; LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); CCB - Continuing Calibration Blank; 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.); AWRL/LOQ C - Ambient Water Reporting Limit/LOQ Check Std; 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.); 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 standard 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 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.); LDR - Linear Dynamic Range Standard; MRL Check - Minimum Reporting Limit Check Std; 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.); DFTPP - GC/MS Tuning Compound

Email: Kilgore.ProjectManagement@spllabs.com



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



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CHAIN OF CUSTODY

Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

**PUB6-R
108**

Lab Number 177695M
PO Number P2500545 Received 1/16/25
Phone 956/983-6511

SRWA Outfall 001 Permit

☐ Hand Delivered by Client to Region or LAB

Matrix: Non-Potable Water

Sample Collection Start

Date: 1-28-25 Time: 16:30

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

Sampler Affiliation: 1

Sampler Signature: [Signature]

Samples Radioactive? ☐

Samples Contains Dioxin? ☐

Samples Biologic Hazard? ☐

☒ On Site Testing

NELAC

CI20

CI2 Res., Total(Onsite)Spec Mid

SM 4500-CI G-2011

CI2 Res., Total(Onsite)Spec Mid

Collected By FG3 Date 1-28-25 Time 16:30 Analyzed By FG3 Date 1-28-25 Time 16:35

Results ND Units mg/L Temp. 24.7 C Duplicate ND Units mg/L Temp. 25.1 C
R1 0.00 R2 0.00 QC R1 0.00 QC R2 0.00

CI2k Field CI2 Check for CNa

Field CI2 Check for CNa

Collected By FG3 Date 1-28-25 Time 16:30 Analyzed By FG3 Date 1-28-25 Time 16:35

Results Negative Units mg/L Temp. 24.7 C Duplicate Negative Units mg/L Temp. 25.1 C
R1 R2 QC R1 QC R2

NELAC Short Hold

Cr6F

Hex Cr, Field Preservation

SM 3500-Cr B-2011 CAS 18540-29-9 (1.00 days)



RGV Region: 2401 Vil ge Dr. Suite C Brownsville 78401-2032 Page 57 of 62

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CHAIN OF CUSTODY

Public Utilities Board
R. Capistrano/J. Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

PUB6-R
108

Hex Cr, Field Preservation

Collected By FG3 Date 1-28-25 Time 16:30 Analyzed By FG3 Date 1-28-25 Time 16:34

NELAC Short Hold

DO

Dissolved Oxygen Onsite

SM 4500-O G-2016 (0.0104 days)

Dissolved Oxygen Onsite

Collected By FG3 Date 1-28-25 Time 16:30 Analyzed By FG3 Date 1-28-25 Time 16:33

Results 3.85 Units mg/L Temp. 24.7 C Duplicate 3.79 Units mg/L Temp. 25.1 C

NELAC Short Hold

pH

pH (Onsite)

SM 4500-H+ B-2011 (0.0104 days)

pH (Onsite)

Collected By FG3 Date 1-28-25 Time 16:30 Analyzed By FG3 Date 1-28-25 Time 16:33

Results 7.57 Units S.U. Temp. 24.7 C Duplicate 7.60 Units S.U. Temp. 25.1 C

S2Ck Field Sulfide Check for CNa

Field Sulfide Check for CNa

Collected By FG3 Date 1-28-25 Time 16:30 Analyzed By FG3 Date 1-28-25 Time 16:34

Results Negative Units mg/L Temp. 24.7 C Duplicate Negative Units mg/L Temp. 25.1 C

R1

R2

QC R1

QC R2

NELAC Short Hold

Temp

Temperature (onsite)

SM 2550 B - 2010 (0.0104 days)



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

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Brownsville, TX 78520

PUB6-R
108

Temperature (onsite)

Collected By FG3 Date 1/28/25 Time 16:30 Analyzed By FG3 Date 1/28/25 Time 16:35
Results 24.7 Units °C Duplicate 25.1 Units °C

1	Amber Glass Qt w/Teflon lined lid			
NELAC	IPCB	Polychlorinated Biphenyls	EPA 608.3 (7.00 days)	
2	Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid			
NELAC Short Hold	019E	Acrylonitrile Exp.	EPA 624.1 (3.00 days)	
2	H2SO4 to pH <2 GIQt w/Tef-lined lid			
	NYPE	Nonyl Phenol Expansion	ASTM D7065-17 (14.0 days)	
2	H2SO4 to pH <2 GIQt w/Tef-lined lid			
NELAC	HEM	Oil and Grease (HEM)	EPA 1664B (HEM) (28.0 days)	
1	H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid			
NELAC	TOCL	Total Organic Carbon	SM 5310 C-2014 (28.0 days)	
1	Amber Glass Qt w/Teflon lined lid			
NELAC	TEES	TEEX SVOC	EPA 625.1 (7.00 days)	
1	Polyethylene 1/2 gal (White)			
NELAC Short Hold	BOD	Biochemical Oxygen Demand (BOD5)	SM 5210 B-2016 CAS:1026-3 (2.04 days)	
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			
NELAC Short Hold	Cr+3	Trivalent Chromium	Calculation CAS:16065-83-1 (1.00 days)	
	LAB1	Labor - 1 Hour		
1	HNO3 to pH <2 Polyethylene 500 mL for Metals			



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CHAIN OF CUSTODY

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Brownsville, TX 78520-
NELAC

PUB6-R
108

NELAC	*AgM	Silver, Total	EPA 200.8 5.4 CAS:7440-22-4 (180 days)
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	*PI	Phosphorus	EPA 200.7 4.4 CAS:7723-14-0 (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 BD3V BND Table 3.0 VOC Expansion EPA 624.1 (3.00 days)

2 H2SO4 to pH <2 250 ml Polyethylene

NELAC	COD	Chemical Oxygen Demand	SM 5220 D-2011 (28.0 days)
NELAC	NH4N	Ammonia Nitrogen	EPA 350.1 2 (28.0 days)
	OrgN	Nitrogen, Total Organic (as N)	EPA 351.2 minus EPA 350.1 (28.0 days)
NELAC	TKN	Total Kjeldahl Nitrogen	EPA 351.2 2 CAS:7727-37-9 (28.0 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	245I	Low Level Mercury Liquid Metals	EPA 245.7 2 (90.0 days)

2 NaOH to pH >12 Polyethylene 250 mL/amber



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NELAC

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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	CNCI	Cyanide After Chlorination	SM 4500-CN ⁻ G-2016 (14.0 days)

1 Polyethylene Quart

NELAC	ICIL	Chloride	EPA 300.0 2.1 (28.0 days)
NELAC	IFIL	Fluoride	EPA 300.0 2.1 (28.0 days)
NELAC Short Hold	IN3L	Nitrate-Nitrogen Total	EPA 300.0 2.1 CAS:14797-55-8 (2.00 days)
NELAC	IS4L	Sulfate	EPA 300.0 2.1 (28.0 days)
NELAC	AlkT	Total Alkalinity (as CaCO ₃)	SM 2320 B-2011 (14.0 days)
NELAC	TDS	Total Dissolved Solids	SM 2540 C-2015 (7.00 days)

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
1/28/25	17:30	Printed Name: Frank Gomez III - SPL, Inc. Signature: [Signature]	Printed Name: Fedex Signature: [Signature]
1/30/25	1000	Printed Name: [Signature] Signature: [Signature]	Printed Name: Kiersten Rossum - SPL, Inc. Signature: [Signature]
		Printed Name: [Signature] Signature: [Signature]	Printed Name: [Signature] Signature: [Signature]
		Printed Name: [Signature] Signature: [Signature]	Printed Name: [Signature] Signature: [Signature]

Sample Received on Ice? ☒ Yes ☐ NoCooler/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, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SC #000323.

Comments



1134226 CoC Print Group 001 of 001

ORIGIN: HRLA 458-0623
 RE: DELEON
 2401 MILLAGE DR STE C
 BROWNSVILLE, TX 77821
 UNITED STATES, US

SHIP DATE: 29 JAN 25
 ACTWGT: 65.65 LB
 CAD: 6994257/9SFE2600
 DIMS: 13x23x13 IN
 BILL THIRD PARTY

TO: LOGIN
 SRL
 2600 DUDLEY RD
 KILGORE TX 75662
 (903) 884-0651

REF: DEPT:

FedEx
 Express

 fedex.com 1.800.GoFedEx 1.800.463.3333

THU - 30 JAN 10:30A
 PRIORITY OVERNIGHT

TRK# 8086 3187 4675
 0200

XS GGGA
 75662
 TX-US SHV

Date: 01/30/25
 Time: 0.0
 Temp: 0.0
 Therm#: 6443 Corr Fact: -0.3 C



February 20, 2025

Christi Parker
SPL Labs - Kilgore
2600 Dudley Rd
Kilgore, TX 75662
TEL: (903) 984-0551
FAX:
RE: 2376959

Order No.: 2502248

Dear Christi Parker:

DHL Analytical, Inc. received 1 sample on 02/13/2025 for the analyses presented in the following report.

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

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

Sincerely,

A handwritten signature in black ink that reads "Karyn Lane".

Karyn Lane
Laboratory Manager

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



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SENT TO DHL**2/10/2025**

01	SAMPLE ID	DATE TAKEN	TIME TAKEN	
	2376959	1/28/2025	16:30:00	TOCd
	2377270	1/30/2025	9:25:00	TOCd
	2377271	1/30/2025	9:36:00	TOCd
	2377272	1/30/2025	9:40:00	TOCd
	2377576	1/31/2025	8:00:00	TOCd
	2377577	1/31/2025	8:00:00	TOCd
	2378242	2/4/2025	8:30:00	TOCd
	2378621	1/28/2025	11:00:00	TOCd
	2378624	1/27/2025	11:00:00	TOCd
	2378657	2/3/2025	11:00:00	TOCd
	2378660	2/4/2025	9:58:00	TOCd
	2378865	2/5/2025	12:30:00	TOCd
	2378904	2/5/2025	14:30:00	TOCd

RELENGISHED BY:

SIGNATURE

2-10-25 1700

DATE/TIME

RECEIVED BY:

SIGNATURE

2/11/25 0850

DATE/TIME

PLEASE SEND SEPARATE REPORT FORE EACH SAMPLE

Received at 1.1°C - OC 2/11/25

Relinquished: Jim C. Pace 2/12/25 1700

Received: UPS 2/12/25 1700

Relinquished: UPS 2/13/25 0944

Received: ~~Steph~~ 2/13/25 0944

Temp: 3.5°C Thermo: 78

no custody seals

MELISSA MCCULLOUGH
(972) 727-1123
PAGE ANALYTICAL
400 W BETHANY DR
KILGORE TX 75662-3730

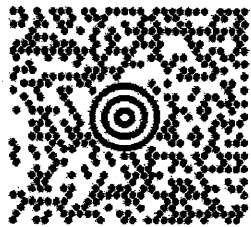
20 LBS

1 OF 1

DWT: 17,17,17

SHIP TO:

SAMPLES
(512) 388-8222
DHL ANALYTICAL
2300 DOUBLE CREEK DR
ROUND ROCK TX 78664-3801



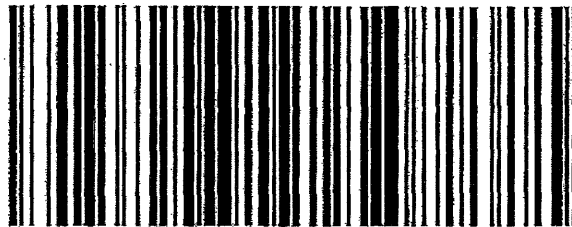
TX 786 4-76



UPS NEXT DAY AIR

TRACKING #: 1Z G41 445 01 4487 0572

1



BILLING: P/P

WS 27.0.39 Zebra ZP 450 07.0A 02/2025

Sample Receipt Checklist

Client Name: SPL Labs - Kilgore

Date Received: 2/13/2025

Work Order Number: 2502248

Received by: CWM

Checklist completed by: 

2/13/2025

Signature

Date

Reviewed by: 

2/13/2025

Initials

Date

Carrier name: UPS Std

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☒ NA ☐
Water - pH<2 acceptable upon receipt?	Yes ☐	No ☐	NA ☒ LOT #
	Adjusted? _____	Checked by _____	
Water - pH>9 (S) or pH>10 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☒ LOT #
	Adjusted? _____	Checked by _____	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Cooler #	1		
Temp °C	3.5		
Seal Intact	NP		

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

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

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action: _____

CLIENT: SPL Labs - Kilgore
Project: 2376959
Lab Order: 2502248

CASE NARRATIVE

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

TOC Analysis by Method M5310C

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

DHL Analytical, Inc.

Date: 20-Feb-25

CLIENT: SPL Labs - Kilgore
Project: 2376959
Lab Order: 2502248

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2502248-01	2376959		01/28/25 04:30 PM	02/13/2025

DHL Analytical, Inc.**Date:** 20-Feb-25

CLIENT: SPL Labs - Kilgore
Project: 2376959
Project No:
Lab Order: 2502248

Client Sample ID: 2376959
Lab ID: 2502248-01
Collection Date: 01/28/25 04:30 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TOTAL ORGANIC CARBON		M5310C					Analyst: SMA
Total Organic Carbon	3.48	1.50	5.00	J	mg/L	5	02/18/25 01:06 PM

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

CLIENT: SPL Labs - Kilgore
Work Order: 2502248
Project: 2376959

ANALYTICAL QC SUMMARY REPORT

RunID: TOC_250218A

The QC data in batch 119186 applies to the following samples: 2502248-01A

Sample ID: MB-119186	Batch ID: 119186	TestNo: M5310C	Units: mg/L							
SampType: MBLK	Run ID: TOC_250218A	Analysis Date: 2/18/2025 11:33:00 AM	Prep Date: 2/18/2025							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Organic Carbon	<0.300	1.00

Sample ID: LCS-119186	Batch ID: 119186	TestNo: M5310C	Units: mg/L							
SampType: LCS	Run ID: TOC_250218A	Analysis Date: 2/18/2025 11:57:00 AM	Prep Date: 2/18/2025							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Organic Carbon	10.2	1.00	10.00	0	102	90	110

Sample ID: LCSD-119186	Batch ID: 119186	TestNo: M5310C	Units: mg/L							
SampType: LCSD	Run ID: TOC_250218A	Analysis Date: 2/18/2025 12:22:00 PM	Prep Date: 2/18/2025							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Organic Carbon	10.2	1.00	10.00	0	102	90	110	0.827	15

Sample ID: 2502249-01AMS	Batch ID: 119186	TestNo: M5310C	Units: mg/L							
SampType: MS	Run ID: TOC_250218A	Analysis Date: 2/18/2025 6:50:00 PM	Prep Date: 2/18/2025							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Organic Carbon	12.7	1.00	10.00	2.478	103	85	115

Sample ID: 2502249-01AMSD	Batch ID: 119186	TestNo: M5310C	Units: mg/L							
SampType: MSD	Run ID: TOC_250218A	Analysis Date: 2/18/2025 7:14:00 PM	Prep Date: 2/18/2025							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Organic Carbon	12.7	1.00	10.00	2.478	102	85	115	0.569	15

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAP certified

Project
1135202

PUB6-R

Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Printed 02/25/2025
8:34

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Email: Kilgore.ProjectManagement@spilabs.com



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SAMPLE CROSS REFERENCE

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
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 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
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 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
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 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical

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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 608.3	39	1160225	02/11/2025	1161073	02/13/2025

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Public Utilities Board
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	1160182	02/10/2025	1160182	02/10/2025

Email: Kilgore.ProjectManagement@spilabs.com

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Public Utilities Board
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EPA 300.0 2.1	01	1159761	02/06/2025	1159761	02/06/2025

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 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	1159761	02/06/2025	1159761	02/06/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 624.1	18	1159801	02/06/2025	1159801	02/06/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 624.1	18	1159801	02/06/2025	1159801	02/06/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 625.1	38	1160203	02/11/2025	1161103	02/13/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 625.1	38	1160203	02/11/2025	1161103	02/13/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 624.1	20	1159912	02/07/2025	1159912	02/07/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
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 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
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 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
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 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
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 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
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 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 624.1	20	1159912	02/07/2025	1159912	02/07/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
ASTM D7065-11	32	1159778	02/06/2025	1160481	02/12/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
ASTM D7065-11	32	1159778	02/06/2025	1160481	02/12/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.8 5.4	34	1159897	02/10/2025	1160136	02/11/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.8 5.4	34	1159897	02/10/2025	1160136	02/11/2025

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Public Utilities Board
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Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.8 5.4	34	1159897	02/10/2025	1160337	02/11/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
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 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.8 5.4	34	1159897	02/10/2025	1160337	02/11/2025

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 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.8 5.4	34	1159897	02/10/2025	1160092	02/11/2025

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 R.Capistran/J Lechuga
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 Brownsville, TX 78520-

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 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.8 5.4	34	1159897	02/10/2025	1160092	02/11/2025

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 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	28	1159726	02/07/2025	1159798	02/07/2025

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 Brownsville, TX 78520-

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 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
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 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	28	1159726	02/07/2025	1159798	02/07/2025

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 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

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 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
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EPA 200.7 4.4	34	1159897	02/10/2025	1160028	02/10/2025

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 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 2320 B-2011	02	1161145	02/17/2025	1161145	02/17/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 2320 B-2011	02	1161145	02/17/2025	1161145	02/17/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1159668	02/12/2025	1159668	02/12/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016	01	1159668	02/12/2025	1159668	02/12/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016 (TCMP Inhibitor)	01	1159669	02/12/2025	1159669	02/12/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5210 B-2016 (TCMP Inhibitor)	01	1159669	02/12/2025	1159669	02/12/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN ⁻ G-2016			02/12/2025		02/12/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
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 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN ⁻ G-2016			02/12/2025		02/12/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

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 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
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 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
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 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
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 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN ⁻ G-2016	35	1159900	02/10/2025	1160155	02/11/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
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 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN ⁻ G-2016	35	1159900	02/10/2025	1160155	02/11/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

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 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
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 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN ⁻ E-2016	27	1159673	02/07/2025	1159824	02/07/2025

Email: Kilgore.ProjectManagement@spllabs.com

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
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 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
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 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN ⁻ E-2016	27	1159673	02/07/2025	1159824	02/07/2025

Email: Kilgore.ProjectManagement@spllabs.com

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Sample	Sample ID	Taken	Time	Received
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5220 D-2011	15	1160410	02/12/2025	1160410	02/12/2025

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 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5220 D-2011	15	1160410	02/12/2025	1160410	02/12/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CI G-2011		1159550	02/05/2025	1159550	02/05/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CI G-2011		1159550	02/05/2025	1159550	02/05/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method
 Calculation

Bottle

PrepSet

Preparation
 02/25/2025

QcGroup

Analytical
 02/25/2025

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Public Utilities Board
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 1425 Robinhood Drive
 Brownsville, TX 78520-

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Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method
 Calculation

Bottle

PrepSet

Preparation
 02/25/2025

QcGroup

Analytical
 02/25/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
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 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 3500-Cr B-2011	14	1159812	02/06/2025	1159812	02/06/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
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 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
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 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
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 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 3500-Cr B-2011	14	1159812	02/06/2025	1159812	02/06/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 3500-Cr B-2011		1159552	02/05/2025	1159552	02/05/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 3500-Cr B-2011		1159552	02/05/2025	1159552	02/05/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-O G-2016		1159553	02/05/2025	1159553	02/05/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-O G-2016		1159553	02/05/2025	1159553	02/05/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 1664B (HEM)	07	1161496	02/18/2025	1161496	02/18/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 1664B (HEM)	07	1161496	02/18/2025	1161496	02/18/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 350.1 2	33	1159846	02/07/2025	1159869	02/08/2025

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Public Utilities Board
 R.Capistran/J Lechuga
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 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
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 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 350.1 2	33	1159846	02/07/2025	1159869	02/08/2025

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 Bottle 12 8 oz Plastic H2SO4 pH < 2
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 351.2 minus EPA 350.1			02/10/2025		02/10/2025

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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 351.2 minus EPA 350.1			02/10/2025		02/10/2025

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Public Utilities Board
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 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 2540 C-2015	02	1160485	02/11/2025	1160485	02/11/2025

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SM 2540 C-2015	02	1160485	02/11/2025	1160485	02/11/2025

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 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 351.2 2	29	1159729	02/07/2025	1159919	02/10/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
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 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
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 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
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 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 351.2 2	29	1159729	02/07/2025	1159919	02/10/2025

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Public Utilities Board
 R.Capistran/J Lechuga
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 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

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 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
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 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method
 SM 5310 C-2014

Bottle

PrepSet

Preparation
 02/23/2025

QcGroup

Analytical
 02/23/2025

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Public Utilities Board
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 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

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 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
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 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method
 SM 5310 C-2014

Bottle

PrepSet

Preparation
 02/23/2025

QcGroup

Analytical
 02/23/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

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 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
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 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 2540 D-2015	01	1160185	02/10/2025	1160185	02/10/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
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 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
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 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
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 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 2540 D-2015	01	1160185	02/10/2025	1160185	02/10/2025

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2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

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 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
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 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 2550 B - 2010		1159555	02/05/2025	1159555	02/05/2025

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SAMPLE CROSS REFERENCE

Project

1135202

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 2550 B - 2010		1159555	02/05/2025	1159555	02/05/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 23 BOD Titration Beaker A (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 26 BOD Analytical Beaker B (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159673) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 28 Prepared Bottle: Mercury Preparation for Metals (Batch 1159726) Volume: 50.00000 mL <== Derived from 01 (47 ml)
 Bottle 29 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 31 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
 Bottle 33 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1159846) Volume: 6.00000 mL <== Derived from 12 (6 ml)
 Bottle 34 Prepared Bottle: ICP Preparation for Metals (Batch 1159897) Volume: 50.00000 mL <== Derived from 11 (50 ml)
 Bottle 35 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
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 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-H+ B-2011		1159556	02/05/2025	1159556	02/05/2025

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Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Sample	Sample ID	Taken	Time	Received
2379151	SRWA Outfall 001 Permit	02/05/2025	14:30:00	02/06/2025

Bottle 01 Polyethylene 1/2 gal (White)
 Bottle 02 Polyethylene Quart
 Bottle 03 Amber 32 Oz
 Bottle 04 Amber 32 Oz
 Bottle 05 Amber 32 Oz
 Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 08 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 09 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
 Bottle 10 Glass /clean metals w/HCl
 Bottle 11 16 oz HNO3 Metals Plastic
 Bottle 12 8 oz Plastic H2SO4 pH < 2
 Bottle 13 8 oz Plastic H2SO4 pH < 2
 Bottle 14 Cr+6 Preserved 250 Polyethylene
 Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)
 Bottle 16 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 17 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 19 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
 Bottle 20 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 21 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
 Bottle 22 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
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 Bottle 24 BOD Analytical Beaker B (Batch 1159669) Volume: 100.00000 mL <== Derived from 01 (100 ml)
 Bottle 25 BOD Titration Beaker A (Batch 1159668) Volume: 100.00000 mL <== Derived from 01 (100 ml)
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 Bottle 30 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1159729) Volume: 20.00000 mL <== Derived from 12 (20 ml)
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 Bottle 32 Prepared Bottle: 2 mL Autosampler Vial (Batch 1159778) Volume: 1.00000 mL <== Derived from 06 (859 ml)
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 Bottle 36 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 37 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1159900) Volume: 10.00000 mL <== Derived from 16 (5 ml)
 Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1160203) Volume: 1.00000 mL <== Derived from 04 (982 ml)
 Bottle 39 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1160225) Volume: 10.00000 mL <== Derived from 03 (986 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-H+ B-2011		1159556	02/05/2025	1159556	02/05/2025

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SAMPLE CROSS REFERENCE

Project

1135202

Public Utilities Board
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Brownsville, TX 78520-

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PUB6-R

Public Utilities Board
 R.Capistran/J Lechuga
 1425 Robinhood Drive
 Brownsville, TX 78520-

Page 1 of 11

Project
1135202

Printed: 02/25/2025

RESULTS

Sample Results

2379151 SRWA Outfall 001 Permit

Received: 02/06/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500545 Received 1/16/25

Taken: 02/05/2025

14:30:00

Prepared: 1159551 02/05/2025 14:35:00 Analyzed 1159551 02/05/2025 14:35:00 FG3

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

Prepared: 1159554 02/05/2025 14:32:00 Analyzed 1159554 02/05/2025 14:32:00 FG3

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

ASTM D7065-11

Prepared: 1159778 02/07/2025 10:45:00 Analyzed 1160481 02/12/2025 00:09:00 DWL

Parameter	Results	Units	RL	Flags	CAS	Bottle
Nonylphenol	<34.9	ug/L	34.9	S	25154-52-3	32

Calculation

Prepared: 02/25/2025 08:29:59 Calculated 02/25/2025 08:29:59 CAL

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

EPA 1664B (HEM)

Prepared: 1161496 02/18/2025 07:43:00 Analyzed 1161496 02/18/2025 07:43:00 MAX

Parameter	Results	Units	RL	Flags	CAS	Bottle
Oil and Grease (HEM)	<4.71	mg/L	4.71	A		07

EPA 200.7 4.4

Prepared: 1159897 02/10/2025 07:00:00 Analyzed 1160028 02/10/2025 14:53:00 CAS

Parameter	Results	Units	RL	Flags	CAS	Bottle
Phosphorus	0.392	mg/L	0.040		7723-14-0	34

EPA 200.8 5.4

Prepared: 1159897 02/10/2025 07:00:00 Analyzed 1160092 02/11/2025 03:30:00 ESG

Parameter	Results	Units	RL	Flags	CAS	Bottle



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PUB6-R

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Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project
1135202

Printed: 02/25/2025

2379151 SRWA Outfall 001 Permit

Received: 02/06/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500545 Received 1/16/25

Taken: 02/05/2025

14:30:00

EPA 200.8 5.4 Prepared: 1159897 02/10/2025 07:00:00 Analyzed 1160092 02/11/2025 03:30:00 ESG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Antimony, Total	<0.00376	mg/L	0.00376		7440-36-0	34
NELAC	Arsenic, Total	0.0486	mg/L	0.001		7440-38-2	34
NELAC	Barium, Total	0.0549	mg/L	0.001		7440-39-3	34
NELAC	Beryllium, Total	<0.000139	mg/L	0.000139		7440-41-7	34
NELAC	Cadmium, Total	<0.001	mg/L	0.001		7440-43-9	34
NELAC	Chromium, Total	<0.001	mg/L	0.001		7440-47-3	34
NELAC	Copper, Total	0.00227	mg/L	0.00155		7440-50-8	34
NELAC	Lead, Total	<0.000244	mg/L	0.000244		7439-92-1	34
NELAC	Nickel, Total	0.0026	mg/L	0.00112		7440-02-0	34
NELAC	Selenium, Total	<0.0013	mg/L	0.0013		7782-49-2	34
NELAC	Silver, Total	<0.001	mg/L	0.001		7440-22-4	34
NELAC	Thallium, Total	<0.000106	mg/L	0.000106		7440-28-0	34

EPA 200.8 5.4 Prepared: 1159897 02/10/2025 07:00:00 Analyzed 1160337 02/11/2025 11:40:00 ESG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Aluminum, Total	0.00688	mg/L	0.00171		7429-90-5	34
NELAC	Zinc, Total	0.00588	mg/L	0.001		7440-66-6	34

EPA 245.7 2 Prepared: 1159726 02/07/2025 08:30:00 Analyzed 1159798 02/07/2025 12:28:00 MP1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Mercury, Total (low level)	<4.26	ng/L	4.26		7439-97-6	28

EPA 300.0 2.1 Prepared: 1159761 02/06/2025 15:47:00 Analyzed 1159761 02/06/2025 15:47:00 KLB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Fluoride	3.11	mg/L	1.00			01
NELAC	Nitrate-Nitrogen Total	<0.1	mg/L	0.1		14797-55-8	01

EPA 300.0 2.1 Prepared: 1160182 02/10/2025 14:48:00 Analyzed 1160182 02/10/2025 14:48:00 KRA

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Chloride	2900	mg/L	300			01
NELAC	Sulfate	4540	mg/L	300			01



PUB6-R

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Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project
1135202

Printed: 02/25/2025

2379151 SRWA Outfall 001 Permit

Received: 02/06/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500545 Received 1/16/25

Taken: 02/05/2025

14:30:00

EPA 350.1 2 Prepared: 1159846 02/07/2025 16:34:07 Analyzed 1159869 02/08/2025 08:36:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Ammonia Nitrogen	2.22	mg/L	0.020			33

EPA 351.2 2 Prepared: 1159729 02/07/2025 10:25:33 Analyzed 1159919 02/10/2025 07:53:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Kjeldahl Nitrogen	2.90	mg/L	0.050		7727-37-9	29

EPA 351.2 minus EPA 350.1 Prepared: 02/10/2025 11:12:50 Calculated 02/10/2025 11:12:50 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Nitrogen, Total Organic (as N)	0.68	mg/L	0.050			

EPA 608.3 Prepared: 1160225 02/11/2025 14:30:00 Analyzed 1161073 02/13/2025 22:26:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	PCB-1016	<0.205	ug/L	0.205		12674-11-2	39
NELAC	PCB-1221	<0.203	ug/L	0.203		11104-28-2	39
NELAC	PCB-1232	<0.203	ug/L	0.203		11141-16-5	39
NELAC	PCB-1242	<0.203	ug/L	0.203		53469-21-9	39
NELAC	PCB-1248	<0.203	ug/L	0.203		12672-29-6	39
NELAC	PCB-1254	<0.203	ug/L	0.203		11097-69-1	39
NELAC	PCB-1260	<0.203	ug/L	0.203		11096-82-5	39
NELAC	PCB-1262	<0.203	ug/L	0.203		37324-23-5	39
NELAC	PCB-1268	<0.203	ug/L	0.203		11100-14-4	39

EPA 624.1 Prepared: 1159801 02/06/2025 15:34:00 Analyzed 1159801 02/06/2025 15:34:00 MRI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Acrylonitrile	<2.00	ug/L	2.00		107-13-1	18

EPA 624.1 Prepared: 1159912 02/07/2025 14:17:00 Analyzed 1159912 02/07/2025 14:17:00 MRI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,1,1-Trichloroethane	<1.00	ug/L	1.00		71-55-6	20
NELAC	1,1,2,2-Tetrachloroethane	<2.00	ug/L	2.00		79-34-5	20
NELAC	1,1,2-Trichloroethane	<2.00	ug/L	2.00		79-00-5	20



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Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project
1135202

Printed: 02/25/2025

2379151 SRWA Outfall 001 Permit

Received: 02/06/2025

Non-Potable Water

Collected by: FG3
Taken: 02/05/2025

SPL Kilgore
14:30:00

PO: P2500545 Received 1/16/25

EPA 624.1 Prepared: 1159912 02/07/2025 14:17:00 Analyzed 1159912 02/07/2025 14:17:00 MRI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,1-Dichloroethylene	<1.00	ug/L	1.00		75-35-4	20
NELAC	1,2-Dibromoethane (EDB)	<1.00	ug/L	1.00		106-93-4	20
NELAC	1,2-Dichloroethane	<1.00	ug/L	1.00		107-06-2	20
NELAC	1,2-Dichloropropane	<1.01	ug/L	1.01		78-87-5	20
NELAC	Benzene	<1.00	ug/L	1.00		71-43-2	20
NELAC	Bromodichloromethane	1.18	ug/L	1.00		75-27-4	20
NELAC	Bromoform	<2.00	ug/L	2.00		75-25-2	20
NELAC	Carbon Tetrachloride	<1.00	ug/L	1.00		56-23-5	20
NELAC	Chlorobenzene	<1.00	ug/L	1.00		108-90-7	20
NELAC	Chloroform	32.5	ug/L	1.00		67-66-3	20
NELAC	cis-1,3-Dichloropropene	<1.00	ug/L	1.00		10061-01-5	20
NELAC	Dibromochloromethane	<1.00	ug/L	1.00		124-48-1	20
NELAC	Dichloromethane	<2.00	ug/L	2.00		75-09-2	20
NELAC	Ethylbenzene	<1.00	ug/L	1.00		100-41-4	20
NELAC	m-Dichlorobenzene (1,3-DCB)	<1.00	ug/L	1.00		541-73-1	20
NELAC	Methyl ethyl ketone (Butanone)	<10.0	ug/L	10.0		78-93-3	20
NELAC	o-Dichlorobenzene (1,2-DCB)	<1.00	ug/L	1.00		95-50-1	20
NELAC	p-Dichlorobenzene (1,4-DCB)	<1.00	ug/L	1.00		106-46-7	20
NELAC	Tetrachloroethylene	<1.00	ug/L	1.00		127-18-4	20
NELAC	Toluene	<1.00	ug/L	1.00		108-88-3	20
NELAC	trans-1,3-Dichloropropene	<1.00	ug/L	1.00		10061-02-6	20
NELAC	Trichloroethylene	<1.00	ug/L	1.00		79-01-6	20
NELAC	Vinyl chloride	<1.04	ug/L	1.04		75-01-4	20

EPA 624.1 Prepared: 1159912 02/11/2025 10:37:11 Calculated 1159912 02/11/2025 10:37:11 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Trihalomethanes	0.03368	mg/L	0.002			20

EPA 625.1 Prepared: 1160203 02/11/2025 13:20:00 Analyzed 1161103 02/13/2025 20:20:00 PMI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,2,4,5-Tetrachlorobenzene	<1.02	ug/L	1.02		95-94-3	38
NELAC	1,2-Dichlorobenzene	<1.02	ug/L	1.02		95-50-1	38
NELAC	1,3-Dichlorobenzene	<1.02	ug/L	1.02		541-73-1	38
NELAC	1,4-Dichlorobenzene	<1.02	ug/L	1.02		106-46-7	38



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Public Utilities Board
R. Capistran/J. Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project
1135202

Printed: 02/25/2025

2379151 SRWA Outfall 001 Permit

Received: 02/06/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500545 Received 1/16/25

Taken: 02/05/2025

14:30:00

EPA 625.1 Prepared: 1160203 02/11/2025 13:20:00 Analyzed 1161103 02/13/2025 20:20:00 PMI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	2,4,5-Trichlorophenol	<1.02	ug/L	1.02		95-95-4	38
NELAC	2,4-Dimethylphenol	<2.44	ug/L	2.44		105-67-9	38
NELAC	2-Methylphenol (o-Cresol)	<5.30	ug/L	5.30		95-48-7	38
NELAC	3&4-Methylphenol (m&p-Cresol)	<6.31	ug/L	6.31		MEPH34	38
NELAC	3,3'-Dichlorobenzidine	<5.00	ug/L	5.00		91-94-1	38
NELAC	Anthracene	<1.02	ug/L	1.02		120-12-7	38
NELAC	Benzidine	<20.4	ug/L	20.4		92-87-5	38
NELAC	Benzo(a)anthracene	<1.02	ug/L	1.02		56-55-3	38
NELAC	Benzo(a)pyrene	<1.02	ug/L	1.02		50-32-8	38
NELAC	Bis(2-chloroethyl)ether	<1.02	ug/L	1.02		111-44-4	38
NELAC	Bis(2-ethylhexyl)phthalate	<7.64	ug/L	7.64		117-81-7	38
NELAC	Chrysene (Benzo(a)phenanthrene)	<1.02	ug/L	1.02		218-01-9	38
NELAC	Di-n-butylphthalate	<7.64	ug/L	7.64		84-74-2	38
NELAC	Hexachlorobenzene	<1.02	ug/L	1.02		118-74-1	38
NELAC	Hexachlorobutadiene	<1.02	ug/L	1.02		87-68-3	38
NELAC	Hexachlorocyclopentadiene	<9.16	ug/L	9.16		77-47-4	38
NELAC	Hexachloroethane	<1.02	ug/L	1.02	S	67-72-1	38
NELAC	Nitrobenzene	<1.02	ug/L	1.02		98-95-3	38
NELAC	n-Nitrosodiethylamine	<1.02	ug/L	1.02		55-18-5	38
NELAC	n-Nitroso-di-n-butylamine	<1.02	ug/L	1.02		924-16-3	38
NELAC	Pentachlorobenzene	<1.02	ug/L	1.02		608-93-5	38
NELAC	Pentachlorophenol	<1.02	ug/L	1.02		87-86-5	38
NELAC	Phenanthrene	<1.02	ug/L	1.02		85-01-8	38
NELAC	Pyridine	<5.50	ug/L	5.50	D	110-86-1	38

EPA 625.1 Prepared: 1160203 02/11/2025 13:20:00 Calculated 1161103 02/18/2025 18:36:41 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cresols Total	<6.31	ug/L	6.31		1319-77-3, etc.	38

SM 2320 B-2011 Prepared: 1161145 02/17/2025 08:57:00 Analyzed 1161145 02/17/2025 08:57:00 TRC

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Alkalinity (as CaCO3)	1230	mg/L	1.00			02



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Public Utilities Board
 R.Capistran/J Lechuga
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 Brownsville, TX 78520-

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1135202

Printed: 02/25/2025

2379151 SRWA Outfall 001 Permit

Received: 02/06/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500545 Received 1/16/25

Taken: 02/05/2025

14:30:00

SM 2540 C-2015 Prepared: 1160485 02/11/2025 07:30:00 Analyzed 1160485 02/11/2025 07:30:00 JMB

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Dissolved Solids	12000	mg/L	100			02

SM 2540 D-2015 Prepared: 1160185 02/10/2025 13:40:00 Analyzed 1160185 02/10/2025 13:40:00 ADR

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Suspended Solids	2.70	mg/L	2.00			01

SM 2550 B - 2010 Prepared: 1159555 02/05/2025 14:33:00 Analyzed 1159555 02/05/2025 14:33:00 FG3

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Temperature (onsite)	27	Degrees C	1			

SM 3500-Cr B-2011 Prepared: 1159552 02/05/2025 14:32:00 Analyzed 1159552 02/05/2025 14:32:00 FG3

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Hex Cr, Field Preservation	PRESERVED	ug/L	3		18540-29-9	

SM 3500-Cr B-2011 Prepared: 1159812 02/06/2025 14:00:00 Analyzed 1159812 02/06/2025 14:00:00 ALB

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Hexavalent Chromium	<3.00	ug/L	3.00		18540-29-9	14

SM 4500-Cl G-2011 Prepared: 1159550 02/05/2025 14:35:00 Analyzed 1159550 02/05/2025 14:35:00 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-CN⁻E-2016 Prepared: 1159673 02/07/2025 06:59:03 Analyzed 1159824 02/07/2025 08:28:00 AMB

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Cyanide, total	<0.005	mg/L	0.005			27



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Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
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Project
1135202

Printed: 02/25/2025

2379151 SRWA Outfall 001 Permit

Received: 02/06/2025

Non-Potable Water

Collected by: FG3
Taken: 02/05/2025

SPL Kilgore
14:30:00

PO: P2500545 Received 1/16/25

SM 4500-CN ⁻ G-2016		Prepared: 02/12/2025 06:25:55		Calculated 02/12/2025 06:25:55		CAL	
Parameter		Results	Units	RL	Flags	CAS	Bottle
NELAC	Cyanide - Available/Amenable	<0.005	mg/L	0.005			
SM 4500-CN ⁻ G-2016		Prepared: 1159900 02/10/2025 09:46:03		Analyzed 1160155 02/11/2025 09:13:00		MEG	
Parameter		Results	Units	RL	Flags	CAS	Bottle
NELAC	Cyanide After Chlorination	0.007	mg/L	0.005	D		35
SM 4500-H+ B-2011		Prepared: 1159556 02/05/2025 14:32:00		Analyzed 1159556 02/05/2025 14:32:00		FG3	
Parameter		Results	Units	RL	Flags	CAS	Bottle
NELAC	pH (Onsite)	7.5	SU				
SM 4500-O G-2016		Prepared: 1159553 02/05/2025 14:33:00		Analyzed 1159553 02/05/2025 14:33:00		FG3	
Parameter		Results	Units	RL	Flags	CAS	Bottle
NELAC	Dissolved Oxygen Onsite	3.7	mg/L	1.0			
SM 5210 B-2016		Prepared: 1159668 02/07/2025		Analyzed 1159668 02/12/2025 13:01:35		ESN	
Parameter		Results	Units	RL	Flags	CAS	Bottle
NELAC	Biochemical Oxygen Demand (BOD5)	8.24	mg/L	2.00	B	1026-3	01
SM 5210 B-2016 (TCMP Inhibitor)		Prepared: 1159669 02/07/2025		Analyzed 1159669 02/12/2025 12:13:14		ESN	
Parameter		Results	Units	RL	Flags	CAS	Bottle
NELAC	BOD Carbonaceous	4.12	mg/L	2.00	B		01
SM 5220 D-2011		Prepared: 1160410 02/12/2025 07:00:00		Analyzed 1160410 02/12/2025 07:00:00		PNR	
Parameter		Results	Units	RL	Flags	CAS	Bottle
NELAC	Chemical Oxygen Demand	<20.0	mg/L	20.0			15
SM 5310 C-2014		Prepared: 02/23/2025 04:38:00		Analyzed 02/23/2025 04:38:00		SUB	
Parameter		Results	Units	RL	Flags	CAS	Bottle



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Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project
1135202

Printed: 02/25/2025

2379151 SRWA Outfall 001 Permit

Received: 02/06/2025

Non-Potable Water

Collected by: FG3

SPL Kilgore

PO:

P2500545 Received 1/16/25

Taken: 02/05/2025

14:30:00

SM 5310 C-2014

Prepared:

02/23/2025

04:38:00

Analyzed

02/23/2025

04:38:00

SUB

Parameter

Results

Units

RL

Flags

CAS

Bottle

NELAC

TOC SUB

1.59

mg/L

AEL1

Sample Preparation

2379151 SRWA Outfall 001 Permit

Received: 02/06/2025

P2500545 Received 1/16/25

02/05/2025

Prepared:

02/06/2025

15:30:16

Calculated

02/06/2025

15:30:16

CAL

Labor - 1 Hour

Verified

Prepared:

02/25/2025

08:06:00

Analyzed

02/25/2025

08:06:00

WJP

Check Limits

Completed

ASTM D7065-17

Prepared:

1159778

02/07/2025

10:45:00

Analyzed

1160481

02/12/2025

00:09:00

DWL

Nonyl Phenol Expansion

Entered

32

EPA 1664B (HEM)

Prepared:

1161280

02/18/2025

07:43:00

Analyzed

1161280

02/18/2025

07:43:00

MAX

NELAC

O&G HEM Started

Started

EPA 200.2 2.8

Prepared:

1159897

02/10/2025

07:00:00

Analyzed

1159897

02/10/2025

07:00:00

HLT

Liquid Metals Digestion

50/50

ml

11



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Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project
1135202

Printed: 02/25/2025

2379151 SRWA Outfall 001 Permit

Received: 02/06/2025

P2500545 Received 1/16/25

02/05/2025

EPA 245.7 2		Prepared: 1159726 02/07/2025 08:30:00		Analyzed 1159726 02/07/2025 08:30:00		MP1	
NELAC	Low Level Mercury Liquid Metals	50/47	ml				01
EPA 350.1, Rev. 2.0		Prepared: 1159846 02/07/2025 16:34:07		Analyzed 1159846 02/07/2025 16:34:07		JR1	
NELAC	Ammonia Distillation	6/6	ml				12
EPA 351.2, Rev 2.0		Prepared: 1159729 02/07/2025 10:25:33		Analyzed 1159729 02/07/2025 10:25:33		AMB	
NELAC	TKN Block Digestion	20/20	ml				12
EPA 608.3		Prepared: 1160225 02/11/2025 14:30:00		Analyzed 1160225 02/11/2025 14:30:00		MCC	
	PCB Liq-Liq Extr. W/Hex Exch.	10/986	ml				03
EPA 608.3		Prepared: 1160225 02/11/2025 14:30:00		Analyzed 1161073 02/13/2025 22:26:00		KAP	
NELAC	Polychlorinated Biphenyls	Entered					39
EPA 624.1		Prepared: 1159801 02/06/2025 15:34:00		Analyzed 1159801 02/06/2025 15:34:00		MR1	
NELAC	Acrylonitrile Exp.	Entered					18
EPA 624.1		Prepared: 1159912 02/07/2025 14:17:00		Analyzed 1159912 02/07/2025 14:17:00		MR1	
z	BND Table 3.0 VOC Expansion	Entered					20
EPA 625.1		Prepared: 1159778 02/07/2025 10:45:00		Analyzed 1159778 02/07/2025 10:45:00		CRS	
	Nonylphenol Liq-Liq Extract	1/859	ml				06



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PUB6-R

Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

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Project
1135202

Printed: 02/25/2025

2379151 SRWA Outfall 001 Permit

Received: 02/06/2025

P2500545 Received 1/16/25

02/05/2025

EPA 625.1		Prepared:	1160203	02/11/2025	13:20:00	Analyzed	1160203	02/11/2025	13:20:00	CRS
Liquid-Liquid Extraction, BNA		1/982	ml							04
EPA 625.1		Prepared:	1160203	02/11/2025	13:20:00	Analyzed	1161103	02/13/2025	20:20:00	PMI
NELAC	TEEX SVOC	Entered								38
SM 2540 C-2015		Prepared:	1160081	02/11/2025	07:30:00	Analyzed	1160081	02/11/2025	07:30:00	JMB
NELAC	Total Dissolved Solids Started	Started								
SM 2540 D-2011		Prepared:	1158867	02/10/2025	13:40:00	Analyzed	1158867	02/10/2025	13:40:00	ADR
NELAC	TSS Set Started	Started								
SM 4500-CN ⁻ C-2016		Prepared:	1159673	02/07/2025	06:59:03	Analyzed	1159673	02/07/2025	06:59:03	AMB
NELAC	Cyanide Distillation	10/5	ml							16
SM 4500-CN ⁻ C-2016		Prepared:	1159900	02/10/2025	09:46:03	Analyzed	1159900	02/10/2025	09:46:03	MEG
NELAC	CN Dist After Chlorination	10/5	ml							16
SM 5210 B-2016		Prepared:	1159668	02/07/2025		Analyzed	1159668	02/07/2025	06:50:28	ESN
NELAC	BOD Set Started	Started								
SM 5210 B-2016 (TCMP Inhibitor)		Prepared:	1159669	02/07/2025		Analyzed	1159669	02/07/2025	06:50:28	ESN
NELAC	BODc Set Started	Started								



PUB6-R

Public Utilities Board
R.Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

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Project
1135202

Printed: 02/25/2025

Qualifiers:

B - Analyte detected in the associated method blank
A - Lab pH adjusted per method prior to analysis
D - Duplicate RPD was higher than expected
S - Standard reads lower than desired

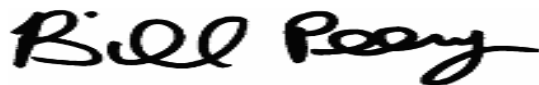
We report results on an As Received (or Wet) basis unless marked Dry Weight.

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, MS, VP Technical Services



QUALITY CONTROL



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PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project
1135202

Printed 02/25/2025

Analytical Set

1159668

SM 5210 B-2016

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1159668	0.5	0.200	0.500	mg/L	* 127286733
Biochemical Oxygen Demand (BOD5)	1159668	0.5	0.200	0.500	mg/L	* 127286785
Biochemical Oxygen Demand (BOD5)	1159668	0.5	0.200	0.500	mg/L	* 127286843

Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Biochemical Oxygen Demand (BOD5)	2378985	8.40	8.84	mg/L	5.10	30.0
Biochemical Oxygen Demand (BOD5)	2379070	14.2	13.8	mg/L	2.86	30.0
Biochemical Oxygen Demand (BOD5)	2379322	543	451	mg/L	18.5	30.0
Biochemical Oxygen Demand (BOD5)	2379405	65.7	66.2	mg/L	0.758	30.0
Biochemical Oxygen Demand (BOD5)	2379491	19.3	23.1	mg/L	17.9	30.0
Biochemical Oxygen Demand (BOD5)	2379680	7.32	7.64	mg/L	4.28	30.0

Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)	1159668	0.600	0.200	0.500	mg/L	127286735
Biochemical Oxygen Demand (BOD5)	1159668	0.567	0.200	0.500	mg/L	127286787
Biochemical Oxygen Demand (BOD5)	1159668	0.580	0.200	0.500	mg/L	127286845

Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Biochemical Oxygen Demand (BOD5)		223	198	mg/L	113	83.7 - 116	127286736
Biochemical Oxygen Demand (BOD5)		221	198	mg/L	112	83.7 - 116	127286788
Biochemical Oxygen Demand (BOD5)		212	198	mg/L	107	83.7 - 116	127286846

Analytical Set

1159669

SM 5210 B-2016 (TCMP Inhibitor)

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
BOD Carbonaceous	1159669	0.5	0.200	0.500	mg/L	* 127286871
BOD Carbonaceous	1159669	0.3	0.200	0.500	mg/L	* 127286921
BOD Carbonaceous	1159669	0.4	0.200	0.500	mg/L	* 127288721

Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
BOD Carbonaceous	2378995	70.5	73.2	mg/L	3.76	30.0
BOD Carbonaceous	2379087	3.72	3.32	mg/L	11.4	30.0
BOD Carbonaceous	2379464	26.9	27.1	mg/L	0.741	30.0
BOD Carbonaceous	2379520	5.63	5.71	mg/L	1.41	30.0
BOD Carbonaceous	2379731	4.19	3.95	mg/L	5.90	30.0

Seed Drop

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
BOD Carbonaceous	1159669	0.720	0.200	0.500	mg/L	127286873
BOD Carbonaceous	1159669	0.713	0.200	0.500	mg/L	127286923
BOD Carbonaceous	1159669	0.663	0.200	0.500	mg/L	127288723

Email: Kilgore.ProjectManagement@spllabs.com



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QUALITY CONTROL



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PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

Project
1135202

Printed 02/25/2025

Standard							
Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
BOD Carbonaceous		212	198	mg/L	107	83.7 - 116	127286874
BOD Carbonaceous		214	198	mg/L	108	83.7 - 116	127286924
BOD Carbonaceous		222	198	mg/L	112	83.7 - 116	127288724

Analytical Set 1159824

SM 4500-CN⁻ E-2016

Blank							
Parameter	PrepSet	Reading	MDL	MQL	Units		File
Cyanide, total	1159673	ND	0.00238	0.005	mg/L		127290204

CCV							
Parameter		Reading	Known	Units	Recover%	Limits%	File
Cyanide, total		0.518	0.500	mg/L	104	90.0 - 110	127290200
Cyanide, total		0.517	0.500	mg/L	103	90.0 - 110	127290201
Cyanide, total		0.486	0.500	mg/L	97.2	90.0 - 110	127290202
Cyanide, total		0.488	0.500	mg/L	97.6	90.0 - 110	127290203
Cyanide, total		0.494	0.500	mg/L	98.8	90.0 - 110	127290212
Cyanide, total		0.494	0.500	mg/L	98.8	90.0 - 110	127290223
Cyanide, total		0.499	0.500	mg/L	99.8	90.0 - 110	127290234
Cyanide, total		0.508	0.500	mg/L	102	90.0 - 110	127290243
Cyanide, total		0.503	0.500	mg/L	101	90.0 - 110	127290254
Cyanide, total		0.502	0.500	mg/L	100	90.0 - 110	127290258

Duplicate							
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%	
Cyanide, total	2379053	ND	ND	mg/L		20.0	
Cyanide, total	2379057	ND	ND	mg/L		20.0	

ICV							
Parameter		Reading	Known	Units	Recover%	Limits%	File
Cyanide, total		0.208	0.200	mg/L	104	90.0 - 110	127290199

LCS Dup									
Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD
Cyanide, total	1159673	0.425	0.422	0.400	90.0 - 110	106	106	mg/L	0.708

Mat. Spike									
Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File	
Cyanide, total	2379053	0.415	ND	0.400	mg/L	104	90.0 - 110	127290209	
Cyanide, total	2379057	0.358	ND	0.400	mg/L	89.5	90.0 - 110	127290213	*

Analytical Set 1159869

EPA 350.1 2

Blank							
Parameter	PrepSet	Reading	MDL	MQL	Units		File
Ammonia Nitrogen	1159846	ND	0.00336	0.020	mg/L		127291507

CCV							
Parameter		Reading	Known	Units	Recover%	Limits%	File

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PUB6-R

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Ammonia Nitrogen	2.17	2.00	mg/L	108	90.0 - 110	127291378
Ammonia Nitrogen	2.15	2.00	mg/L	108	90.0 - 110	127291379
Ammonia Nitrogen	2.10	2.00	mg/L	105	90.0 - 110	127291381
Ammonia Nitrogen	2.11	2.00	mg/L	106	90.0 - 110	127291391
Ammonia Nitrogen	2.14	2.00	mg/L	107	90.0 - 110	127291400
Ammonia Nitrogen	2.10	2.00	mg/L	105	90.0 - 110	127291411
Ammonia Nitrogen	2.00	2.00	mg/L	100	90.0 - 110	127291420
Ammonia Nitrogen	2.06	2.00	mg/L	103	90.0 - 110	127291431
Ammonia Nitrogen	2.02	2.00	mg/L	101	90.0 - 110	127291442
Ammonia Nitrogen	2.00	2.00	mg/L	100	90.0 - 110	127291450
Ammonia Nitrogen	1.95	2.00	mg/L	97.5	90.0 - 110	127291456
Ammonia Nitrogen	2.00	2.00	mg/L	100	90.0 - 110	127291466
Ammonia Nitrogen	2.02	2.00	mg/L	101	90.0 - 110	127291474
Ammonia Nitrogen	1.87	2.00	mg/L	93.5	90.0 - 110	127291480
Ammonia Nitrogen	1.97	2.00	mg/L	98.5	90.0 - 110	127291488
Ammonia Nitrogen	2.00	2.00	mg/L	100	90.0 - 110	127291497
Ammonia Nitrogen	1.88	2.00	mg/L	94.0	90.0 - 110	127291506
Ammonia Nitrogen	1.97	2.00	mg/L	98.5	90.0 - 110	127291517
Ammonia Nitrogen	1.97	2.00	mg/L	98.5	90.0 - 110	127291527
Ammonia Nitrogen	1.89	2.00	mg/L	94.5	90.0 - 110	127291532
Ammonia Nitrogen	1.88	2.00	mg/L	94.0	90.0 - 110	127291536

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Ammonia Nitrogen	2379199	ND	ND	mg/L		20.0
Ammonia Nitrogen	2379263	ND	ND	mg/L		20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Ammonia Nitrogen	2.19	2.00	mg/L	110	90.0 - 110	127291377

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Ammonia Nitrogen	1159846	2.00	1.99	2.00	90.0 - 110	100	99.5	mg/L	0.501	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Ammonia Nitrogen	2379199	1.98	ND	2.00	mg/L	99.0	80.0 - 120	127291512
Ammonia Nitrogen	2379263	1.98	ND	2.00	mg/L	99.0	80.0 - 120	127291515

Analytical Set 1159919

EPA 351.2 2

Blank

Parameter	PrepSet	Reading	MDL	MDL	Units	File
Total Kjeldahl Nitrogen	1159729	ND	0.00712	0.050	mg/L	127292456

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.19	5.00	mg/L	104	90.0 - 110	127292454
Total Kjeldahl Nitrogen	5.25	5.00	mg/L	105	90.0 - 110	127292455
Total Kjeldahl Nitrogen	5.29	5.00	mg/L	106	90.0 - 110	127292459
Total Kjeldahl Nitrogen	5.30	5.00	mg/L	106	90.0 - 110	127292470
Total Kjeldahl Nitrogen	5.28	5.00	mg/L	106	90.0 - 110	127292473

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Kjeldahl Nitrogen	2379151	2.76	2.90	mg/L	4.95	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.48	5.00	mg/L	110	90.0 - 110	127292453

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Total Kjeldahl Nitrogen	1159729	5.41	5.40	5.00	90.0 - 110	108	108	mg/L	0.185	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Total Kjeldahl Nitrogen	2379151	7.00	2.90	5.00	mg/L	82.0	80.0 - 120	127292462

Analytical Set

1160155

SM 4500-CN⁻ G-2016

Blank

Parameter	PrepSet	Reading	MDL	MDL	Units	File
Cyanide After Chlorination	1159900	ND	0.00119	0.0025	mg/L	127298283

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.497	0.500	mg/L	99.4	90.0 - 110	127298282
Cyanide After Chlorination	0.496	0.500	mg/L	99.2	90.0 - 110	127298290
Cyanide After Chlorination	0.498	0.500	mg/L	99.6	90.0 - 110	127298291

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide After Chlorination	2379151	0.0046	0.007	mg/L	41.4	* 20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.207	0.200	mg/L	104	90.0 - 110	127298281

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide After Chlorination	1159900	0.211	0.206	0.200	90.0 - 110	106	103	mg/L	2.40	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Cyanide After Chlorination	2379151	0.396	0.007	0.400	mg/L	97.2	90.0 - 110	127298288

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Analytical Set **1159550**

SM 4500-CI G-2011

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	2379151	ND	ND	mg/L		20

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	1159550	0.150	0.220	mg/L	68.2	90 - 110	
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	1159550	0.840	0.900	mg/L	93.3	90 - 110	
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	1159550	1.50	1.59	mg/L	94.3	90 - 110	

Analytical Set **1159551**

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Field Cl2 Check for CNa	2379151	NEGATIVE	NEGATIVE			20

Analytical Set **1159552**

SM 3500-Cr B-2011

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Hex Cr, Field Preservation	2379151	PRESERVE	PRESERVE	ug/L		20

Analytical Set **1159553**

SM 4500-O G-2016

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Dissolved Oxygen Onsite	2379151	3.6	3.7	mg/L	2.7	20

Analytical Set **1159554**

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Field Sulfide Check for CNa	2379151	Negative	NEGATIVE	mg/L		20

Analytical Set **1159555**

SM 2550 B - 2010

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Temperature (onsite)	2379151	28	27	Degrees C	3.6	20

Analytical Set **1159556**

SM 4500-H+ B-2011

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
pH (Onsite)	6.0	6.0	SU	100	90 - 110	
pH (Onsite)	6.0	6.0	SU	100	90 - 110	

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Duplicate						
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
pH (Onsite)	2379151	7.6	7.5	SU	1.3	20
Standard						
Parameter	Sample	Reading	Known	Units	Recover%	Limits%
pH (Onsite)	1159556	7.9	8.0	SU	98.8	90 - 110
pH (Onsite)	1159556	7.9	8.0	SU	98.8	90 - 110

Analytical Set

1160185

SM 2540 D-2015

Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1160185	ND	2	2	mg/L	127298937
ControlBlk						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1160185	-0.0002			grams	127298936
Duplicate						
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2379292	121	129	mg/L	6.40	20.0
Total Suspended Solids	2379322	325	290	mg/L	11.4	20.0
Total Suspended Solids	2379405	94.0	90.0	mg/L	4.35	20.0
LCS						
Parameter	PrepSet	Reading	Known	Units	Recover%	Limits
Total Suspended Solids	1160185	51.0	50.0	mg/L	102	90.0 - 110
Standard						
Parameter	Sample	Reading	Known	Units	Recover%	Limits%
Total Suspended Solids		100	100	mg/L	100	90.0 - 110

Analytical Set

1160485

SM 2540 C-2015

Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Dissolved Solids	1160485	ND	5.00	5.00	mg/L	127304142
ControlBlk						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Dissolved Solids	1160485	0			grams	127304129
Duplicate						
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Dissolved Solids	2379047	740	750	mg/L	1.34	20.0
LCS						
Parameter	PrepSet	Reading	Known	Units	Recover%	Limits
Total Dissolved Solids	1160485	192	200	mg/L	96.0	85.0 - 115

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Standard							File
Parameter	Sample	Reading	Known	Units	Recover%	Limits%	
Total Dissolved Solids		104	100	mg/L	104	90.0 - 110	127304130

Analytical Set

1161496

EPA 1664B (HEM)

Blank							File
Parameter	PrepSet	Reading	MDL	MQL	Units		
Oil and Grease (HEM)	1161496	ND	0.804	4.00	mg/L		127325950
ControlBlk							File
Parameter	PrepSet	Reading	MDL	MQL	Units		
Oil and Grease (HEM)	1161496	0.0003			grams		127325949
Oil and Grease (HEM)	1161496	0.0002			grams		127325974
LCS							File
Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	
Oil and Grease (HEM)	1161496	34.9	40.0	mg/L	87.2	78.0 - 114	127325951
MS							File
Parameter	Sample	MS	MSD	UNK	Known	Limits	
Oil and Grease (HEM)	2379151	39.4	0	ND	40.0	78.0 - 114	127325951
						MS%	MSD%
						98.5	
						Units	RPD
						mg/L	20.0

Analytical Set

1159761

EPA 300.0 2.1

AWRL/LOQ C							File
Parameter		Reading	Known	Units	Recover%	Limits%	
Fluoride		0.121	0.100	mg/L	121	70.0 - 130	127288826
Nitrate-Nitrogen Total		0.0289	0.0226	mg/L	128	70.0 - 130	127288826
Blank							File
Parameter	PrepSet	Reading	MDL	MQL	Units		
Fluoride	1159761	ND	0.0112	0.100	mg/L		127288827
Nitrate-Nitrogen Total	1159761	ND	0.00331	0.0226	mg/L		127288827
CCB							File
Parameter	PrepSet	Reading	MDL	MQL	Units		
Fluoride	1159761	0	0.0112	0.100	mg/L		127288823
Fluoride	1159761	0	0.0112	0.100	mg/L		127288843
Fluoride	1159761	0	0.0112	0.100	mg/L		127288855
Nitrate-Nitrogen Total	1159761	0.00406	0.00331	0.0226	mg/L		127288823
Nitrate-Nitrogen Total	1159761	0.00339	0.00331	0.0226	mg/L		127288843
Nitrate-Nitrogen Total	1159761	0.00406	0.00331	0.0226	mg/L		127288855
CCV							File
Parameter		Reading	Known	Units	Recover%	Limits%	
Fluoride		10.4	10.0	mg/L	104	90.0 - 110	127288822
Fluoride		10.5	10.0	mg/L	105	90.0 - 110	127288842
Fluoride		10.5	10.0	mg/L	105	90.0 - 110	127288854
Nitrate-Nitrogen Total		2.26	2.26	mg/L	100	90.0 - 110	127288822
Nitrate-Nitrogen Total		2.29	2.26	mg/L	101	90.0 - 110	127288842

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CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Nitrate-Nitrogen Total	2.29	2.26	mg/L	101	90.0 - 110	127288854

LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Fluoride	1159761	5.48	5.71	5.00	88.0 - 118	110	114	mg/L	4.11	20.0
Nitrate-Nitrogen Total	1159761	1.28	1.30	1.13	86.3 - 117	113	115	mg/L	1.55	20.0

MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Fluoride	2378420	10.2	10.2	ND	10.0	80.0 - 120	102	102	mg/L	0	20.0
Nitrate-Nitrogen Total	2378420	4.97	4.99	2.53	2.26	80.0 - 120	108	109	mg/L	0.816	20.0
Fluoride	2378421	103	97.7	ND	100	80.0 - 120	103	97.7	mg/L	5.28	20.0
Nitrate-Nitrogen Total	2378421	24.6	23.5	0.745	22.6	80.0 - 120	106	101	mg/L	4.72	20.0

Analytical Set

1160182

EPA 300.0 2.1

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MDL</u>	<u>Units</u>	<u>File</u>
Chloride	1160182	ND	0.0593	0.300	mg/L	127298823
Sulfate	1160182	0.227	0.0605	0.300	mg/L	127298823

CCB

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MDL</u>	<u>Units</u>	<u>File</u>
Chloride	1160182	0.064	0.0593	0.300	mg/L	127298819
Chloride	1160182	0.069	0.0593	0.300	mg/L	127298839
Chloride	1160182	0.072	0.0593	0.300	mg/L	127298851
Sulfate	1160182	-0.080	0.0605	0.300	mg/L	127298819
Sulfate	1160182	-0.070	0.0605	0.300	mg/L	127298839
Sulfate	1160182	-0.064	0.0605	0.300	mg/L	127298851

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Chloride	10.3	10.0	mg/L	103	90.0 - 110	127298818
Chloride	10.0	10.0	mg/L	100	90.0 - 110	127298838
Chloride	9.95	10.0	mg/L	99.5	90.0 - 110	127298850
Sulfate	10.1	10.0	mg/L	101	90.0 - 110	127298818
Sulfate	9.77	10.0	mg/L	97.7	90.0 - 110	127298838
Sulfate	9.78	10.0	mg/L	97.8	90.0 - 110	127298850

LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Chloride	1160182	5.29	5.26	5.00	85.0 - 115	106	105	mg/L	0.569	20.0
Sulfate	1160182	5.50	5.44	5.00	85.4 - 124	110	109	mg/L	1.10	20.0

MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Chloride	2378466	368	378	269	100	80.0 - 120	99.0	109	mg/L	9.62	20.0
Sulfate	2378466	304	313	202	100	80.0 - 120	102	111	mg/L	8.45	20.0

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Chloride	2380054	204	197	107	100	80.0 - 120	97.0	90.0	mg/L	7.49	20.0
Sulfate	2380054	176	176	74.3	100	80.0 - 120	102	102	mg/L	0	20.0

Analytical Set

1159798

EPA 245.7 2

AWRL/LOQ C

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	3.31	4.00	ng/L	66.2	70.0 - 130	127289568

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury, Total (low level)	1159726	ND	1.20	4.00	ng/L	127289571

CCB

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury, Total (low level)	1159726	ND	1.20	4.00	ng/L	127289570
Mercury, Total (low level)	1159726	ND	1.20	4.00	ng/L	127289582
Mercury, Total (low level)	1159726	ND	1.20	4.00	ng/L	127289593
Mercury, Total (low level)	1159798	ND	1.20	4.00	ng/L	127289600

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	23.6	25.0	ng/L	94.4	87.0 - 113	127289569
Mercury, Total (low level)	22.2	25.0	ng/L	88.8	87.0 - 113	127289581
Mercury, Total (low level)	21.5	25.0	ng/L	86.0	87.0 - 113	127289592
Mercury, Total (low level)	22.9	25.0	ng/L	91.6	87.0 - 113	127289599

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	ND	50.0	ng/L	0	90.0 - 110	127289566

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	25.4	25.0	ng/L	102	90.0 - 110	127289567

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Mercury, Total (low level)	1159726	21.5	20.9	25.0	76.0 - 115	86.0	83.6	ng/L	2.83	50.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury, Total (low level)	2377379	15.3	15.2	ND	26.6	63.0 - 111	57.5 *	57.1 *	ng/L	0.656	18.0
Mercury, Total (low level)	2378759	19.0	19.9	4.60	26.6	63.0 - 111	54.1 *	57.5 *	ng/L	6.06	18.0

Analytical Set

1159812

SM 3500-Cr B-2011

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Hexavalent Chromium	1159812	ND	0.550	3.00	ug/L	127289912

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Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Hexavalent Chromium	1159812	ND	0.550	3.00	ug/L	127289921
Hexavalent Chromium	1159812	0.768	0.550	3.00	ug/L	127289924

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Hexavalent Chromium	83.4	80.0	ug/L	104	90.0 - 110	127289913
Hexavalent Chromium	83.7	80.0	ug/L	105	90.0 - 110	127289922
Hexavalent Chromium	84.9	80.0	ug/L	106	90.0 - 110	127289925

LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Hexavalent Chromium	1159812	84.9	84.7	80.0	85.0 - 115	106	106	ug/L	0.236	15.0

MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Hexavalent Chromium	2378367	48.8	49.0	ND	80.0	70.0 - 130	61.0 *	61.2 *	ug/L	0.409	20.0

Analytical Set

1160028

EPA 200.7 4.4

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<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Phosphorus	1159897	ND	0.0353	0.040	mg/L	127295181

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Phosphorus	1.00	1.00	mg/L	100	90.0 - 110	127295169
Phosphorus	1.02	1.00	mg/L	102	90.0 - 110	127295170
Phosphorus	1.04	1.00	mg/L	104	90.0 - 110	127295180
Phosphorus	1.04	1.00	mg/L	104	90.0 - 110	127295190

ICL

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Phosphorus	25.5	25.0	mg/L	102	95.0 - 105	127295167

ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Phosphorus	1.04	1.00	mg/L	104	90.0 - 110	127295168

LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Phosphorus	1159897	4.17	4.15	4.00	85.0 - 115	104	104	mg/L	0.481	25.0

MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Phosphorus	2379791	7.69	7.65	3.51	4.00	75.0 - 125	104	104	mg/L	0.962	25.0

Analytical Set

1160092

EPA 200.8 5.4

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QUALITY CONTROL

PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
1425 Robinhood Drive
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1135202

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<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Antimony, Total	1159897	ND	0.00376	0.00376	mg/L	127296579
Arsenic, Total	1159897	0.000185	0.000184	0.001	mg/L	127296579
Barium, Total	1159897	ND	0.000635	0.001	mg/L	127296579
Beryllium, Total	1159897	ND	0.000139	0.001	mg/L	127296579
Cadmium, Total	1159897	ND	0.000067	0.001	mg/L	127296579
Chromium, Total	1159897	ND	0.000621	0.001	mg/L	127296579
Copper, Total	1159897	ND	0.00155	0.00155	mg/L	127296579
Lead, Total	1159897	ND	0.000244	0.001	mg/L	127296579
Nickel, Total	1159897	ND	0.00112	0.00112	mg/L	127296579
Selenium, Total	1159897	ND	0.0013	0.0013	mg/L	127296579
Thallium, Total	1159897	0.000258	0.000106	0.001	mg/L	127296579

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Antimony, Total	0.0513	0.05	mg/L	103	90.0 - 110	127296507
Antimony, Total	0.0523	0.05	mg/L	105	90.0 - 110	127296538
Antimony, Total	0.0523	0.05	mg/L	105	90.0 - 110	127296549
Antimony, Total	0.052	0.05	mg/L	104	90.0 - 110	127296560
Antimony, Total	0.0523	0.05	mg/L	105	90.0 - 110	127296584
Antimony, Total	0.0529	0.05	mg/L	106	90.0 - 110	127296595
Antimony, Total	0.0525	0.05	mg/L	105	90.0 - 110	127296605
Arsenic, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	127296507
Arsenic, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	127296517
Arsenic, Total	0.0506	0.05	mg/L	101	90.0 - 110	127296528
Arsenic, Total	0.050	0.05	mg/L	100	90.0 - 110	127296538
Arsenic, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	127296549
Arsenic, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127296560
Arsenic, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	127296584
Arsenic, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	127296595
Arsenic, Total	0.0501	0.05	mg/L	100	90.0 - 110	127296605
Barium, Total	0.050	0.05	mg/L	100	90.0 - 110	127296507
Barium, Total	0.0514	0.05	mg/L	103	90.0 - 110	127296538
Barium, Total	0.0511	0.05	mg/L	102	90.0 - 110	127296549
Barium, Total	0.053	0.05	mg/L	106	90.0 - 110	127296584
Barium, Total	0.0525	0.05	mg/L	105	90.0 - 110	127296595
Barium, Total	0.0535	0.05	mg/L	107	90.0 - 110	127296605
Beryllium, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	127296507
Beryllium, Total	0.0501	0.05	mg/L	100	90.0 - 110	127296584
Beryllium, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	127296595
Beryllium, Total	0.050	0.05	mg/L	100	90.0 - 110	127296605
Cadmium, Total	0.0505	0.05	mg/L	101	90.0 - 110	127296507
Cadmium, Total	0.0509	0.05	mg/L	102	90.0 - 110	127296560
Cadmium, Total	0.0516	0.05	mg/L	103	90.0 - 110	127296569
Cadmium, Total	0.0521	0.05	mg/L	104	90.0 - 110	127296584
Cadmium, Total	0.0521	0.05	mg/L	104	90.0 - 110	127296595

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PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
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CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Cadmium, Total	0.0519	0.05	mg/L	104	90.0 - 110	127296605
Chromium, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	127296507
Chromium, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	127296560
Chromium, Total	0.0514	0.05	mg/L	103	90.0 - 110	127296569
Chromium, Total	0.0478	0.05	mg/L	95.6	90.0 - 110	127296575
Chromium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	127296584
Chromium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	127296595
Chromium, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	127296605
Copper, Total	0.0506	0.05	mg/L	101	90.0 - 110	127296507
Copper, Total	0.0503	0.05	mg/L	101	90.0 - 110	127296560
Copper, Total	0.051	0.05	mg/L	102	90.0 - 110	127296569
Copper, Total	0.049	0.05	mg/L	98.0	90.0 - 110	127296575
Copper, Total	0.0509	0.05	mg/L	102	90.0 - 110	127296584
Copper, Total	0.0503	0.05	mg/L	101	90.0 - 110	127296595
Copper, Total	0.050	0.05	mg/L	100	90.0 - 110	127296605
Lead, Total	0.0548	0.05	mg/L	110	90.0 - 110	127296507
Lead, Total	0.0544	0.05	mg/L	109	90.0 - 110	127296560
Lead, Total	0.0533	0.05	mg/L	107	90.0 - 110	127296569
Lead, Total	0.0516	0.05	mg/L	103	90.0 - 110	127296575
Lead, Total	0.0544	0.05	mg/L	109	90.0 - 110	127296584
Lead, Total	0.0546	0.05	mg/L	109	90.0 - 110	127296595
Lead, Total	0.0539	0.05	mg/L	108	90.0 - 110	127296605
Nickel, Total	0.0504	0.05	mg/L	101	90.0 - 110	127296507
Nickel, Total	0.050	0.05	mg/L	100	90.0 - 110	127296560
Nickel, Total	0.0503	0.05	mg/L	101	90.0 - 110	127296569
Nickel, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	127296575
Nickel, Total	0.0501	0.05	mg/L	100	90.0 - 110	127296584
Nickel, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	127296595
Nickel, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	127296605
Selenium, Total	0.0511	0.05	mg/L	102	90.0 - 110	127296507
Selenium, Total	0.052	0.05	mg/L	104	90.0 - 110	127296517
Selenium, Total	0.0516	0.05	mg/L	103	90.0 - 110	127296528
Selenium, Total	0.0525	0.05	mg/L	105	90.0 - 110	127296538
Selenium, Total	0.054	0.05	mg/L	108	90.0 - 110	127296549
Selenium, Total	0.0525	0.05	mg/L	105	90.0 - 110	127296560
Selenium, Total	0.0537	0.05	mg/L	107	90.0 - 110	127296584
Selenium, Total	0.0537	0.05	mg/L	107	90.0 - 110	127296595
Selenium, Total	0.0527	0.05	mg/L	105	90.0 - 110	127296605
Thallium, Total	0.0524	0.05	mg/L	105	90.0 - 110	127296507
Thallium, Total	0.0505	0.05	mg/L	101	90.0 - 110	127296584
Thallium, Total	0.0502	0.05	mg/L	100	90.0 - 110	127296595
Thallium, Total	0.047	0.05	mg/L	94.0	90.0 - 110	127296605

ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>

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QUALITY CONTROL



PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-

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ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.0512	0.05	mg/L	102	90.0 - 110	127296502
Arsenic, Total	0.0511	0.05	mg/L	102	90.0 - 110	127296502
Barium, Total	0.0505	0.05	mg/L	101	90.0 - 110	127296502
Beryllium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	127296502
Cadmium, Total	0.0503	0.05	mg/L	101	90.0 - 110	127296502
Chromium, Total	0.0511	0.05	mg/L	102	90.0 - 110	127296502
Copper, Total	0.0527	0.05	mg/L	105	90.0 - 110	127296502
Lead, Total	0.0515	0.05	mg/L	103	90.0 - 110	127296502
Nickel, Total	0.0525	0.05	mg/L	105	90.0 - 110	127296502
Selenium, Total	0.0505	0.05	mg/L	101	90.0 - 110	127296502
Thallium, Total	0.0502	0.05	mg/L	100	90.0 - 110	127296502

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Antimony, Total	1159897	0.510	0.513	0.500	85.0 - 115	102	103	mg/L	0.587	20.0
Arsenic, Total	1159897	0.479	0.485	0.500	85.0 - 115	95.8	97.0	mg/L	1.24	20.0
Barium, Total	1159897	0.518	0.519	0.500	85.0 - 115	104	104	mg/L	0.193	20.0
Beryllium, Total	1159897	0.197	0.198	0.200	85.0 - 115	98.5	99.0	mg/L	0.506	20.0
Cadmium, Total	1159897	0.253	0.254	0.250	85.0 - 115	101	102	mg/L	0.394	20.0
Chromium, Total	1159897	0.499	0.500	0.500	85.0 - 115	99.8	100	mg/L	0.200	20.0
Copper, Total	1159897	0.494	0.489	0.500	85.0 - 115	98.8	97.8	mg/L	1.02	20.0
Lead, Total	1159897	0.531	0.533	0.500	85.0 - 115	106	107	mg/L	0.376	20.0
Nickel, Total	1159897	0.493	0.488	0.500	85.0 - 115	98.6	97.6	mg/L	1.02	20.0
Selenium, Total	1159897	0.500	0.507	0.500	85.0 - 115	100	101	mg/L	1.39	20.0
Thallium, Total	1159897	0.514	0.514	0.500	85.0 - 115	103	103	mg/L	0	20.0

MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Copper, Total	ND	0.001	mg/L	0	25.0 - 175	127296503
Lead, Total	0.00105	0.001	mg/L	105	85.0 - 115	127296503

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Antimony, Total	2379520	0.517	0.514	ND	0.500	70.0 - 130	103	103	mg/L	0.582	20.0
Arsenic, Total	2379520	0.488	0.481	0.00047	0.500	70.0 - 130	97.5	96.1	mg/L	1.45	20.0
Barium, Total	2379520	0.531	0.520	0.0185	0.500	70.0 - 130	102	100	mg/L	2.17	20.0
Beryllium, Total	2379520	0.199	0.195	ND	0.200	70.0 - 130	99.5	97.5	mg/L	2.03	20.0
Cadmium, Total	2379520	0.247	0.244	ND	0.250	70.0 - 130	98.8	97.6	mg/L	1.22	20.0
Chromium, Total	2379520	0.484	0.476	ND	0.500	70.0 - 130	96.8	95.2	mg/L	1.67	20.0
Copper, Total	2379520	0.464	0.458	ND	0.500	70.0 - 130	92.8	91.6	mg/L	1.30	20.0
Lead, Total	2379520	0.511	0.500	ND	0.500	70.0 - 130	102	100	mg/L	2.18	20.0
Nickel, Total	2379520	0.463	0.456	0.00322	0.500	70.0 - 130	92.0	90.6	mg/L	1.53	20.0
Selenium, Total	2379520	0.496	0.492	0.00148	0.500	70.0 - 130	98.9	98.1	mg/L	0.812	20.0
Thallium, Total	2379520	0.480	0.477	ND	0.500	70.0 - 130	96.0	95.4	mg/L	0.627	20.0
Chromium, Total	2379790	0.489	0.495	ND	0.500	70.0 - 130	97.8	99.0	mg/L	1.22	20.0
Copper, Total	2379790	0.470	0.472	0.00186	0.500	70.0 - 130	93.6	94.0	mg/L	0.426	20.0

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QUALITY CONTROL



PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Lead, Total	2379790	0.503	0.510	ND	0.500	70.0 - 130	101	102	mg/L	1.38	20.0
Nickel, Total	2379790	0.468	0.470	0.00252	0.500	70.0 - 130	93.1	93.5	mg/L	0.429	20.0
Antimony, Total	2379791	0.533	0.535	ND	0.500	70.0 - 130	107	107	mg/L	0.375	20.0
Arsenic, Total	2379791	0.495	0.497	0.00165	0.500	70.0 - 130	98.7	99.1	mg/L	0.405	20.0
Barium, Total	2379791	0.603	0.609	0.0861	0.500	70.0 - 130	103	105	mg/L	1.15	20.0
Beryllium, Total	2379791	0.202	0.203	ND	0.200	70.0 - 130	101	102	mg/L	0.494	20.0
Cadmium, Total	2379791	0.249	0.251	ND	0.250	70.0 - 130	99.6	100	mg/L	0.800	20.0
Chromium, Total	2379791	0.492	0.494	ND	0.500	70.0 - 130	98.4	98.8	mg/L	0.406	20.0
Copper, Total	2379791	0.470	0.471	0.0017	0.500	70.0 - 130	93.7	93.9	mg/L	0.213	20.0
Lead, Total	2379791	0.514	0.512	ND	0.500	70.0 - 130	103	102	mg/L	0.390	20.0
Nickel, Total	2379791	0.466	0.469	0.00224	0.500	70.0 - 130	92.8	93.4	mg/L	0.645	20.0
Selenium, Total	2379791	0.495	0.497	0.00137	0.500	70.0 - 130	98.7	99.1	mg/L	0.404	20.0
Thallium, Total	2379791	0.491	0.489	0.00011	0.500	70.0 - 130	98.2	97.8	mg/L	0.408	20.0

Analytical Set

1160136

EPA 200.8 5.4

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Parameter	PrepSet	Reading	MDL	MDL	Units	File
Silver, Total	1159897	ND	0.000276	0.001	mg/L	127297869

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Silver, Total	0.049	0.05	mg/L	98.0	90.0 - 110	127297797
Silver, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	127297807
Silver, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	127297828
Silver, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	127297839
Silver, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	127297850
Silver, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	127297874
Silver, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	127297885
Silver, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	127297895
Silver, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	127297896

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Silver, Total	0.0507	0.05	mg/L	101	90.0 - 110	127297792

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Silver, Total	1159897	0.0852	0.0852	0.100	85.0 - 115	85.2	85.2	mg/L	0	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Silver, Total	2379520	0.081	0.0802	ND	0.100	70.0 - 130	81.0	80.2	mg/L	0.993	20.0
Silver, Total	2379791	0.0826	0.0828	ND	0.100	70.0 - 130	82.6	82.8	mg/L	0.242	20.0

Analytical Set

1160337

EPA 200.8 5.4

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PUB6-R

Public Utilities Board
R. Capistran/J Lechuga
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Brownsville, TX 78520-

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1135202

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
Aluminum, Total	1159897	ND	0.00171	0.00171	mg/L	127301087
Aluminum, Total	1159897	ND	0.00171	0.00171	mg/L	127301103
Lead, Total	1159897	ND	0.000244	0.001	mg/L	127301087
Zinc, Total	1159897	ND	0.000875	0.001	mg/L	127301087
Zinc, Total	1159897	ND	0.000875	0.001	mg/L	127301103

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	127301102
Aluminum, Total	0.047	0.05	mg/L	94.0	90.0 - 110	127301113
Aluminum, Total	0.0469	0.05	mg/L	93.8	90.0 - 110	127301123
Zinc, Total	0.048	0.05	mg/L	96.0	90.0 - 110	127301102
Zinc, Total	0.0472	0.05	mg/L	94.4	90.0 - 110	127301113
Zinc, Total	0.047	0.05	mg/L	94.0	90.0 - 110	127301123

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.0466	0.05	mg/L	93.2	90.0 - 110	127301095
Zinc, Total	0.0465	0.05	mg/L	93.0	90.0 - 110	127301095

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Aluminum, Total	1159897	0.505	0.476	0.500	85.0 - 115	101	95.2	mg/L	5.91	20.0
Zinc, Total	1159897	0.498	0.478	0.500	85.0 - 115	99.6	95.6	mg/L	4.10	20.0

LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	9.14	10	mg/L	91.4	90.0 - 110	127301099
Lead, Total	9.95	10	mg/L	99.5	90.0 - 110	127301099
Zinc, Total	9.28	10	mg/L	92.8	90.0 - 110	127301099

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Aluminum, Total	2379520	0.556	0.558	0.111	0.500	70.0 - 130	89.0	89.4	mg/L	0.448	20.0
Zinc, Total	2379520	0.469	0.463	0.00303	0.500	70.0 - 130	93.2	92.0	mg/L	1.30	20.0
Aluminum, Total	2379791	0.477	0.520	0.0204	0.500	70.0 - 130	91.3	99.9	mg/L	8.99	20.0
Zinc, Total	2379791	0.489	0.533	0.0328	0.500	70.0 - 130	91.2	100	mg/L	9.20	20.0

Analytical Set

1159801

EPA 624.1

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1159801	174	81	0.6	0 - 2.00	127289689
BFB Mass 174	1159801	95.0	13097	54.8	50.0 - 100	127289689
BFB Mass 175	1159801	174	959	7.3	5.00 - 9.00	127289689
BFB Mass 176	1159801	174	12563	95.9	95.0 - 101	127289689
BFB Mass 177	1159801	176	803	6.4	5.00 - 9.00	127289689

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BFB

<u>Parameter</u>	<u>Sample</u>	<u>RefMass</u>	<u>Reading</u>	<u>%</u>	<u>Limits%</u>	<u>File</u>
BFB Mass 50	1159801	95.0	4125	17.3	15.0 - 40.0	127289689
BFB Mass 75	1159801	95.0	12222	51.1	30.0 - 60.0	127289689
BFB Mass 95	1159801	95.0	23912	100.0	100 - 100	127289689
BFB Mass 96	1159801	95.0	1481	6.2	5.00 - 9.00	127289689

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MDL</u>	<u>Units</u>	<u>File</u>
Acrylonitrile	1159801	ND	1.43	2.00	ug/L	127289693

IS Areas

<u>Parameter</u>	<u>Sample</u>	<u>Type</u>	<u>Reading</u>	<u>CCVISM</u>	<u>Low</u>	<u>High</u>	<u>File</u>	<u>PrepSet</u>
1,4-DichlorobenzeneD4 (ISTD)	1159801	LCS	98040	92110	46050	138200	127289690	1159801
1,4-DichlorobenzeneD4 (ISTD)	1159801	LCS Dup	94630	92110	46050	138200	127289691	1159801
1,4-DichlorobenzeneD4 (ISTD)	1159801	Blank	85410	92110	46050	138200	127289693	1159801
ChlorobenzeneD5 (ISTD)	1159801	LCS	199400	189700	94840	284500	127289690	1159801
ChlorobenzeneD5 (ISTD)	1159801	LCS Dup	190800	189700	94840	284500	127289691	1159801
ChlorobenzeneD5 (ISTD)	1159801	Blank	191600	189700	94840	284500	127289693	1159801
1,4-DichlorobenzeneD4 (ISTD)	2378776	MS	88110	92110	46050	138200	127289696	1159801
1,4-DichlorobenzeneD4 (ISTD)	2378776	MSD	87150	92110	46050	138200	127289697	1159801
ChlorobenzeneD5 (ISTD)	2378776	MS	174300	189700	94840	284500	127289696	1159801
ChlorobenzeneD5 (ISTD)	2378776	MSD	175200	189700	94840	284500	127289697	1159801
1,4-DichlorobenzeneD4 (ISTD)	2379151	Unknown	78110	92110	46050	138200	127289694	1159801
ChlorobenzeneD5 (ISTD)	2379151	Unknown	175600	189700	94840	284500	127289694	1159801

IS RetTime

<u>Parameter</u>	<u>Sample</u>	<u>Type</u>	<u>Reading</u>	<u>CCVISM</u>	<u>Low</u>	<u>High</u>	<u>File</u>	<u>PrepSet</u>
1,4-DichlorobenzeneD4 (ISTD)	1159801	LCS	11.07	11.07	11.01	11.13	127289690	1159801
1,4-DichlorobenzeneD4 (ISTD)	1159801	LCS Dup	11.07	11.07	11.01	11.13	127289691	1159801
1,4-DichlorobenzeneD4 (ISTD)	1159801	Blank	11.07	11.07	11.01	11.13	127289693	1159801
ChlorobenzeneD5 (ISTD)	1159801	LCS	8.715	8.714	8.654	8.774	127289690	1159801
ChlorobenzeneD5 (ISTD)	1159801	LCS Dup	8.714	8.714	8.654	8.774	127289691	1159801
ChlorobenzeneD5 (ISTD)	1159801	Blank	8.714	8.714	8.654	8.774	127289693	1159801
1,4-DichlorobenzeneD4 (ISTD)	2378776	MS	11.07	11.07	11.01	11.13	127289696	1159801
1,4-DichlorobenzeneD4 (ISTD)	2378776	MSD	11.07	11.07	11.01	11.13	127289697	1159801
ChlorobenzeneD5 (ISTD)	2378776	MS	8.714	8.714	8.654	8.774	127289696	1159801
ChlorobenzeneD5 (ISTD)	2378776	MSD	8.714	8.714	8.654	8.774	127289697	1159801
1,4-DichlorobenzeneD4 (ISTD)	2379151	Unknown	11.07	11.07	11.01	11.13	127289694	1159801
ChlorobenzeneD5 (ISTD)	2379151	Unknown	8.714	8.714	8.654	8.774	127289694	1159801

LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Acrylonitrile	1159801	37.8	38.5	40.0	60.0 - 140	94.5	96.2	ug/L	1.78	30.0

MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Acrylonitrile	2378776	40.3	38.5	ND	40.0	40.0 - 160	101	96.2	ug/L	4.57	60.0

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Surrogate								
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1159801	LCS	15.4	20.0	ug/L	77.0	70.0 - 130	127289690
1,2-DCA-d4 (SURR)	1159801	LCS Dup	15.1	20.0	ug/L	75.5	70.0 - 130	127289691
1,2-DCA-d4 (SURR)	1159801	Blank	15.6	20.0	ug/L	78.0	70.0 - 130	127289693
Bromofluorobenzene (SURR)	1159801	LCS	19.4	20.0	ug/L	97.0	70.0 - 130	127289690
Bromofluorobenzene (SURR)	1159801	LCS Dup	19.4	20.0	ug/L	97.0	70.0 - 130	127289691
Bromofluorobenzene (SURR)	1159801	Blank	17.8	20.0	ug/L	89.0	70.0 - 130	127289693
Dibromofluoromethane (SURR)	1159801	LCS	15.8	20.0	ug/L	79.0	70.0 - 130	127289690
Dibromofluoromethane (SURR)	1159801	LCS Dup	16.0	20.0	ug/L	80.0	70.0 - 130	127289691
Dibromofluoromethane (SURR)	1159801	Blank	16.1	20.0	ug/L	80.5	70.0 - 130	127289693
TolueneD8 (SURR)	1159801	LCS	16.6	20.0	ug/L	83.0	70.0 - 130	127289690
TolueneD8 (SURR)	1159801	LCS Dup	16.7	20.0	ug/L	83.5	70.0 - 130	127289691
TolueneD8 (SURR)	1159801	Blank	15.7	20.0	ug/L	78.5	70.0 - 130	127289693
1,2-DCA-d4 (SURR)	2378776	MS	15.4	20.0	ug/L	77.0	70.0 - 130	127289696
1,2-DCA-d4 (SURR)	2378776	MSD	15.9	20.0	ug/L	79.5	70.0 - 130	127289697
Bromofluorobenzene (SURR)	2378776	MS	19.2	20.0	ug/L	96.0	70.0 - 130	127289696
Bromofluorobenzene (SURR)	2378776	MSD	19.6	20.0	ug/L	98.0	70.0 - 130	127289697
Dibromofluoromethane (SURR)	2378776	MS	15.9	20.0	ug/L	79.5	70.0 - 130	127289696
Dibromofluoromethane (SURR)	2378776	MSD	16.4	20.0	ug/L	82.0	70.0 - 130	127289697
TolueneD8 (SURR)	2378776	MS	16.5	20.0	ug/L	82.5	70.0 - 130	127289696
TolueneD8 (SURR)	2378776	MSD	16.7	20.0	ug/L	83.5	70.0 - 130	127289697
1,2-DCA-d4 (SURR)	2379151	Unknown	16.2	20.0	ug/L	81.0	70.0 - 130	127289694
Bromofluorobenzene (SURR)	2379151	Unknown	17.6	20.0	ug/L	88.0	70.0 - 130	127289694
Dibromofluoromethane (SURR)	2379151	Unknown	16.6	20.0	ug/L	83.0	70.0 - 130	127289694
TolueneD8 (SURR)	2379151	Unknown	15.6	20.0	ug/L	78.0	70.0 - 130	127289694

Analytical Set

1159912

EPA 624.1

BFB						
Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1159912	174	2	0.4	0 - 2.00	127292300
BFB Mass 174	1159912	95.0	503	51.3	50.0 - 100	127292300
BFB Mass 175	1159912	174	31	6.2	5.00 - 9.00	127292300
BFB Mass 176	1159912	174	487	96.9	95.0 - 101	127292300
BFB Mass 177	1159912	176	27	5.6	5.00 - 9.00	127292300
BFB Mass 50	1159912	95.0	163	16.6	15.0 - 40.0	127292300
BFB Mass 75	1159912	95.0	497	50.7	30.0 - 60.0	127292300
BFB Mass 95	1159912	95.0	979	100.0	100 - 100	127292300
BFB Mass 96	1159912	95.0	59	6.1	5.00 - 9.00	127292300

Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
1,1,1-Trichloroethane	1159912	ND	0.914	1.00	ug/L	127292304
1,1,2-Trichloroethane	1159912	ND	1.27	2.00	ug/L	127292304
1,1-Dichloroethylene	1159912	ND	0.812	1.00	ug/L	127292304
1,2-Dibromoethane (EDB)	1159912	ND	1.00	1.00	ug/L	127292304
1,2-Dichloroethane	1159912	ND	0.856	1.00	ug/L	127292304

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Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
1,2-Dichloropropane	1159912	ND	1.01	1.01	ug/L	127292304
Benzene	1159912	ND	0.813	1.00	ug/L	127292304
Bromodichloromethane	1159912	ND	0.873	1.00	ug/L	127292304
Bromoform	1159912	ND	1.28	2.00	ug/L	127292304
Carbon Tetrachloride	1159912	ND	0.825	1.00	ug/L	127292304
Chlorobenzene	1159912	ND	0.945	1.00	ug/L	127292304
Chloroform	1159912	ND	0.945	1.00	ug/L	127292304
cis-1,3-Dichloropropene	1159912	ND	0.615	1.00	ug/L	127292304
Dibromochloromethane	1159912	ND	0.995	1.00	ug/L	127292304
Dichloromethane	1159912	ND	1.29	2.00	ug/L	127292304
Ethylbenzene	1159912	ND	0.545	1.00	ug/L	127292304
m-Dichlorobenzene (1,3-DCB)	1159912	ND	0.860	1.00	ug/L	127292304
Methyl ethyl ketone (Butanone)	1159912	ND	6.54	10.0	ug/L	127292304
o-Dichlorobenzene (1,2-DCB)	1159912	ND	0.960	1.00	ug/L	127292304
p-Dichlorobenzene (1,4-DCB)	1159912	ND	0.865	1.00	ug/L	127292304
Tetrachloroethylene	1159912	ND	0.921	1.00	ug/L	127292304
Toluene	1159912	ND	0.656	1.00	ug/L	127292304
trans-1,3-Dichloropropene	1159912	ND	0.695	1.00	ug/L	127292304
Trichloroethylene	1159912	ND	0.789	1.00	ug/L	127292304
Vinyl chloride	1159912	ND	1.04	1.04	ug/L	127292304

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1159912	LCS	96460	93360	46680	140000	127292302	1159912
1,4-DichlorobenzeneD4 (ISTD)	1159912	LCS Dup	92260	93360	46680	140000	127292303	1159912
1,4-DichlorobenzeneD4 (ISTD)	1159912	Blank	83070	93360	46680	140000	127292304	1159912
ChlorobenzeneD5 (ISTD)	1159912	LCS	195100	185600	92780	278300	127292302	1159912
ChlorobenzeneD5 (ISTD)	1159912	LCS Dup	189400	185600	92780	278300	127292303	1159912
ChlorobenzeneD5 (ISTD)	1159912	Blank	185300	185600	92780	278300	127292304	1159912
1,4-DichlorobenzeneD4 (ISTD)	2378776	MS	89740	93360	46680	140000	127292307	1159912
1,4-DichlorobenzeneD4 (ISTD)	2378776	MSD	93030	93360	46680	140000	127292308	1159912
ChlorobenzeneD5 (ISTD)	2378776	MS	184500	185600	92780	278300	127292307	1159912
ChlorobenzeneD5 (ISTD)	2378776	MSD	190400	185600	92780	278300	127292308	1159912
1,4-DichlorobenzeneD4 (ISTD)	2379151	Unknown	75520	93360	46680	140000	127292305	1159912
ChlorobenzeneD5 (ISTD)	2379151	Unknown	169200	185600	92780	278300	127292305	1159912

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1159912	LCS	11.07	11.07	11.01	11.13	127292302	1159912
1,4-DichlorobenzeneD4 (ISTD)	1159912	LCS Dup	11.07	11.07	11.01	11.13	127292303	1159912
1,4-DichlorobenzeneD4 (ISTD)	1159912	Blank	11.07	11.07	11.01	11.13	127292304	1159912
ChlorobenzeneD5 (ISTD)	1159912	LCS	8.714	8.714	8.654	8.774	127292302	1159912
ChlorobenzeneD5 (ISTD)	1159912	LCS Dup	8.714	8.714	8.654	8.774	127292303	1159912
ChlorobenzeneD5 (ISTD)	1159912	Blank	8.714	8.714	8.654	8.774	127292304	1159912
1,4-DichlorobenzeneD4 (ISTD)	2378776	MS	11.07	11.07	11.01	11.13	127292307	1159912

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IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	2378776	MSD	11.07	11.07	11.01	11.13	127292308	1159912
ChlorobenzeneD5 (ISTD)	2378776	MS	8.714	8.714	8.654	8.774	127292307	1159912
ChlorobenzeneD5 (ISTD)	2378776	MSD	8.714	8.714	8.654	8.774	127292308	1159912
1,4-DichlorobenzeneD4 (ISTD)	2379151	Unknown	11.07	11.07	11.01	11.13	127292305	1159912
ChlorobenzeneD5 (ISTD)	2379151	Unknown	8.714	8.714	8.654	8.774	127292305	1159912

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,1,1-Trichloroethane	1159912	18.9	19.7	20.0	70.0 - 130	94.5	98.5	ug/L	4.15	21.0
1,1,2,2-Tetrachloroethane	1159912	22.8	24.7	20.0	60.0 - 140	114	124	ug/L	8.40	36.0
1,1,2-Trichloroethane	1159912	22.4	23.2	20.0	70.0 - 130	112	116	ug/L	3.51	27.0
1,1-Dichloroethylene	1159912	15.2	16.0	20.0	50.0 - 150	76.0	80.0	ug/L	5.13	40.0
1,2-Dibromoethane (EDB)	1159912	20.0	20.6	20.0	78.4 - 122	100	103	ug/L	2.96	30.0
1,2-Dichloroethane	1159912	19.9	21.1	20.0	70.0 - 130	99.5	106	ug/L	6.33	29.0
1,2-Dichloropropane	1159912	20.4	21.4	20.0	35.0 - 165	102	107	ug/L	4.78	69.0
Benzene	1159912	19.8	20.5	20.0	65.0 - 135	99.0	102	ug/L	2.99	33.0
Bromodichloromethane	1159912	19.6	20.1	20.0	65.0 - 135	98.0	100	ug/L	2.02	34.0
Bromoform	1159912	20.2	20.8	20.0	70.0 - 130	101	104	ug/L	2.93	25.0
Carbon Tetrachloride	1159912	18.8	19.7	20.0	70.0 - 130	94.0	98.5	ug/L	4.68	26.0
Chlorobenzene	1159912	19.9	20.9	20.0	65.0 - 135	99.5	104	ug/L	4.42	29.0
Chloroform	1159912	19.8	20.6	20.0	70.0 - 135	99.0	103	ug/L	3.96	32.0
cis-1,3-Dichloropropene	1159912	16.8	17.8	20.0	25.0 - 175	84.0	89.0	ug/L	5.78	79.0
Dibromochloromethane	1159912	21.2	21.8	20.0	70.0 - 135	106	109	ug/L	2.79	30.0
Dichloromethane	1159912	16.8	17.6	20.0	60.0 - 140	84.0	88.0	ug/L	4.65	192
Ethylbenzene	1159912	20.6	21.7	20.0	60.0 - 140	103	108	ug/L	4.74	34.0
m-Dichlorobenzene (1,3-DCB)	1159912	19.0	20.6	20.0	70.0 - 130	95.0	103	ug/L	8.08	24.0
Methyl ethyl ketone (Butanone)	1159912	23.5	25.1	20.0	62.3 - 136	118	126	ug/L	6.56	30.0
o-Dichlorobenzene (1,2-DCB)	1159912	20.2	21.9	20.0	65.0 - 135	101	110	ug/L	8.53	31.0
p-Dichlorobenzene (1,4-DCB)	1159912	18.6	19.7	20.0	65.0 - 135	93.0	98.5	ug/L	5.74	31.0
Tetrachloroethylene	1159912	19.4	20.9	20.0	70.0 - 130	97.0	104	ug/L	6.97	23.0
Toluene	1159912	19.9	20.7	20.0	70.0 - 130	99.5	104	ug/L	4.42	22.0
trans-1,3-Dichloropropene	1159912	17.6	18.4	20.0	50.0 - 150	88.0	92.0	ug/L	4.44	52.0
Trichloroethylene	1159912	19.0	19.8	20.0	65.0 - 135	95.0	99.0	ug/L	4.12	29.0
Vinyl chloride	1159912	9.77	10.8	20.0	5.00 - 195	48.8	54.0	ug/L	10.1	100

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
1,1,1-Trichloroethane	2378776	16.6	16.2	ND	20.0	52.0 - 162	83.0	81.0	ug/L	2.44	36.0
1,1,2,2-Tetrachloroethane	2378776	15.8	15.7	ND	20.0	46.0 - 157	79.0	78.5	ug/L	0.635	61.0
1,1,2-Trichloroethane	2378776	16.4	15.9	ND	20.0	52.0 - 150	82.0	79.5	ug/L	3.10	45.0
1,1-Dichloroethylene	2378776	14.9	14.9	ND	20.0	0.100 - 234	74.5	74.5	ug/L	0	32.0
1,2-Dibromoethane (EDB)	2378776	14.5	14.4	ND	20.0	49.3 - 120	72.5	72.0	ug/L	0.692	30.0
1,2-Dichloroethane	2378776	16.0	15.2	ND	20.0	49.0 - 155	80.0	76.0	ug/L	5.13	49.0
1,2-Dichloropropane	2378776	16.1	15.8	ND	20.0	0.100 - 210	80.5	79.0	ug/L	1.88	55.0
Benzene	2378776	16.8	16.4	ND	20.0	37.0 - 151	84.0	82.0	ug/L	2.41	61.0

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Bromodichloromethane	2378776	21.8	21.5	4.59	20.0	35.0 - 155	86.0	84.6	ug/L	1.76	56.0
Bromoform	2378776	14.2	14.3	ND	20.0	45.0 - 169	71.0	71.5	ug/L	0.702	42.0
Carbon Tetrachloride	2378776	17.2	17.2	ND	20.0	70.0 - 140	86.0	86.0	ug/L	0	41.0
Chlorobenzene	2378776	15.7	15.3	ND	20.0	37.0 - 160	78.5	76.5	ug/L	2.58	53.0
Chloroform	2378776	28.8	27.9	ND	20.0	51.0 - 138	96.0	91.6	ug/L	4.80	54.0
cis-1,3-Dichloropropene	2378776	12.8	12.2	ND	20.0	0.100 - 227	64.0	61.0	ug/L	4.80	58.0
Dibromochloromethane	2378776	19.1	18.4	2.84	20.0	53.0 - 149	81.3	77.8	ug/L	4.40	50.0
Dichloromethane	2378776	14.1	13.6	ND	20.0	0.100 - 221	70.5	68.0	ug/L	3.61	28.0
Ethylbenzene	2378776	16.2	16.6	ND	20.0	37.0 - 162	81.0	83.0	ug/L	2.44	63.0
m-Dichlorobenzene (1,3-DCB)	2378776	14.3	14.5	ND	20.0	59.0 - 156	71.5	72.5	ug/L	1.39	43.0
Methyl ethyl ketone (Butanone)	2378776	14.0	16.1	ND	20.0	0.100 - 211	70.0	80.5	ug/L	14.0	30.0
o-Dichlorobenzene (1,2-DCB)	2378776	14.4	14.7	ND	20.0	18.0 - 190	72.0	73.5	ug/L	2.06	57.0
p-Dichlorobenzene (1,4-DCB)	2378776	13.8	13.5	ND	20.0	18.0 - 190	69.0	67.5	ug/L	2.20	57.0
Tetrachloroethylene	2378776	16.7	17.0	ND	20.0	64.0 - 148	83.5	85.0	ug/L	1.78	39.0
Toluene	2378776	16.0	15.7	ND	20.0	47.0 - 150	80.0	78.5	ug/L	1.89	41.0
trans-1,3-Dichloropropene	2378776	13.1	12.6	ND	20.0	17.0 - 183	65.5	63.0	ug/L	3.89	86.0
Trichloroethylene	2378776	16.1	16.0	ND	20.0	70.0 - 157	80.5	80.0	ug/L	0.623	48.0
Vinyl chloride	2378776	16.8	14.2	ND	20.0	0.100 - 251	84.0	71.0	ug/L	16.8	66.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURRE)	1159912	LCS	15.1	20.0	ug/L	75.5	70.0 - 130	127292302
1,2-DCA-d4 (SURRE)	1159912	LCS Dup	15.5	20.0	ug/L	77.5	70.0 - 130	127292303
1,2-DCA-d4 (SURRE)	1159912	Blank	15.6	20.0	ug/L	78.0	70.0 - 130	127292304
Bromofluorobenzene (SURRE)	1159912	LCS	19.6	20.0	ug/L	98.0	70.0 - 130	127292302
Bromofluorobenzene (SURRE)	1159912	LCS Dup	19.9	20.0	ug/L	99.5	70.0 - 130	127292303
Bromofluorobenzene (SURRE)	1159912	Blank	18.2	20.0	ug/L	91.0	70.0 - 130	127292304
Dibromofluoromethane (SURRE)	1159912	LCS	15.9	20.0	ug/L	79.5	70.0 - 130	127292302
Dibromofluoromethane (SURRE)	1159912	LCS Dup	16.1	20.0	ug/L	80.5	70.0 - 130	127292303
Dibromofluoromethane (SURRE)	1159912	Blank	15.7	20.0	ug/L	78.5	70.0 - 130	127292304
TolueneD8 (SURRE)	1159912	LCS	16.9	20.0	ug/L	84.5	70.0 - 130	127292302
TolueneD8 (SURRE)	1159912	LCS Dup	16.8	20.0	ug/L	84.0	70.0 - 130	127292303
TolueneD8 (SURRE)	1159912	Blank	16.0	20.0	ug/L	80.0	70.0 - 130	127292304
1,2-DCA-d4 (SURRE)	2378776	MS	14.9	20.0	ug/L	74.5	70.0 - 130	127292307
1,2-DCA-d4 (SURRE)	2378776	MSD	14.9	20.0	ug/L	74.5	70.0 - 130	127292308
Bromofluorobenzene (SURRE)	2378776	MS	19.9	20.0	ug/L	99.5	70.0 - 130	127292307
Bromofluorobenzene (SURRE)	2378776	MSD	19.4	20.0	ug/L	97.0	70.0 - 130	127292308
Dibromofluoromethane (SURRE)	2378776	MS	15.8	20.0	ug/L	79.0	70.0 - 130	127292307
Dibromofluoromethane (SURRE)	2378776	MSD	15.3	20.0	ug/L	76.5	70.0 - 130	127292308
TolueneD8 (SURRE)	2378776	MS	16.4	20.0	ug/L	82.0	70.0 - 130	127292307
TolueneD8 (SURRE)	2378776	MSD	16.4	20.0	ug/L	82.0	70.0 - 130	127292308
1,2-DCA-d4 (SURRE)	2379151	Unknown	15.9	20.0	ug/L	79.5	70.0 - 130	127292305
Bromofluorobenzene (SURRE)	2379151	Unknown	18.0	20.0	ug/L	90.0	70.0 - 130	127292305
Dibromofluoromethane (SURRE)	2379151	Unknown	16.3	20.0	ug/L	81.5	70.0 - 130	127292305
TolueneD8 (SURRE)	2379151	Unknown	15.7	20.0	ug/L	78.5	70.0 - 130	127292305

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Analytical Set

1160481

ASTM D7065-17

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Nonylphenol	1159778	ND	5.00	30.0	ug/L	127304079

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Nonylphenol	298000	300000	ug/L	99.4	70.0 - 130	127304078
Nonylphenol	289000	300000	ug/L	96.4	70.0 - 130	127304089

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	626988	CCV	1068000	1068000	534200	1602000	127304078	626988
Acenaphthene-d10-ISTD	626988	CCV	1056000	1068000	534200	1602000	127304089	626988
Phenanthrene-d10-ISTD	626988	CCV	1424000	1424000	712000	2136000	127304078	626988
Phenanthrene-d10-ISTD	626988	CCV	1399000	1424000	712000	2136000	127304089	626988
Acenaphthene-d10-ISTD	1159778	Blank	898000	1068000	534200	1602000	127304079	1159778
Acenaphthene-d10-ISTD	1159778	LCS	938900	1068000	534200	1602000	127304080	1159778
Acenaphthene-d10-ISTD	1159778	LCS Dup	1054000	1068000	534200	1602000	127304081	1159778
Phenanthrene-d10-ISTD	1159778	Blank	1328000	1424000	712000	2136000	127304079	1159778
Phenanthrene-d10-ISTD	1159778	LCS	1350000	1424000	712000	2136000	127304080	1159778
Phenanthrene-d10-ISTD	1159778	LCS Dup	1384000	1424000	712000	2136000	127304081	1159778
Acenaphthene-d10-ISTD	2379151	Unknown	1129000	1068000	534200	1602000	127304086	1159778
Phenanthrene-d10-ISTD	2379151	Unknown	1349000	1424000	712000	2136000	127304086	1159778

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	626988	CCV	7.359	7.359	7.299	7.419	127304078	626988
Acenaphthene-d10-ISTD	626988	CCV	7.370	7.359	7.299	7.419	127304089	626988
Phenanthrene-d10-ISTD	626988	CCV	8.609	8.609	8.549	8.669	127304078	626988
Phenanthrene-d10-ISTD	626988	CCV	8.615	8.609	8.549	8.669	127304089	626988
Acenaphthene-d10-ISTD	1159778	Blank	7.365	7.359	7.299	7.419	127304079	1159778
Acenaphthene-d10-ISTD	1159778	LCS	7.359	7.359	7.299	7.419	127304080	1159778
Acenaphthene-d10-ISTD	1159778	LCS Dup	7.359	7.359	7.299	7.419	127304081	1159778
Phenanthrene-d10-ISTD	1159778	Blank	8.609	8.609	8.549	8.669	127304079	1159778
Phenanthrene-d10-ISTD	1159778	LCS	8.609	8.609	8.549	8.669	127304080	1159778
Phenanthrene-d10-ISTD	1159778	LCS Dup	8.609	8.609	8.549	8.669	127304081	1159778
Acenaphthene-d10-ISTD	2379151	Unknown	7.359	7.359	7.299	7.419	127304086	1159778
Phenanthrene-d10-ISTD	2379151	Unknown	8.609	8.609	8.549	8.669	127304086	1159778

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Nonylphenol	1159778	83.3	63.8	150	56.0 - 112	55.5 *	42.5 *	ug/L	26.5	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
4-Nonylphenol-SURR	626988	CCV	48900	50000	ug/L	97.8	50.0 - 130	127304078
4-Nonylphenol-SURR	626988	CCV	47600	50000	ug/L	95.2	50.0 - 130	127304089

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Surrogate								
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
4-Nonylphenol-SURR	1159778	Blank	6760	25000	ug/L	27.0 *	50.0 - 130	127304079
4-Nonylphenol-SURR	1159778	LCS	12700	25000	ug/L	50.8	50.0 - 130	127304080
4-Nonylphenol-SURR	1159778	LCS Dup	11600	25000	ug/L	46.4 *	50.0 - 130	127304081
4-Nonylphenol-SURR	2379151	Unknown	-1.16	29.1	ug/L	-3.99 *	50.0 - 130	127304086

Analytical Set

1160607

EPA 625.1

MSD											
Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
2-Methylphenol (o-Cresol)	2380565	13.7	15.1	ND	25.3	0.100 - 107	54.6	60.2	ug/L	9.72	30.0
3&4-Methylphenol (m&p-Cresol)	2380565	12.1	13.4	ND	25.3	0.100 - 108	48.2	53.4	ug/L	10.2	30.0
Anthracene	2380565	17.2	18.9	ND	25.3	17.1 - 130	68.5	75.3	ug/L	9.42	30.0
Benzo(a)anthracene	2380565	17.9	19.3	ND	25.3	32.8 - 118	71.3	76.9	ug/L	7.53	30.0
Benzo(a)pyrene	2380565	18.0	19.4	ND	25.3	37.3 - 116	71.7	77.3	ug/L	7.49	30.0
Bis(2-ethylhexyl)phthalate	2380565	17.8	18.9	ND	25.3	0.100 - 190	70.9	75.3	ug/L	5.99	30.0
Chrysene (Benzo(a)phenanthrene)	2380565	18.6	19.6	ND	25.3	28.2 - 122	74.1	78.1	ug/L	5.24	30.0
Di-n-butylphthalate	2380565	17.9	19.7	ND	25.3	0.100 - 156	71.3	78.5	ug/L	9.57	30.0
Phenanthrene	2380565	17.7	19.1	ND	25.3	26.9 - 125	70.5	76.1	ug/L	7.61	30.0

Analytical Set

1161073

EPA 608.3

Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
PCB-1016	1160225	ND	0.202	0.202	ug/L	127316086
PCB-1221	1160225	ND	0.143	0.200	ug/L	127316086
PCB-1232	1160225	ND	0.143	0.200	ug/L	127316086
PCB-1242	1160225	ND	0.192	0.200	ug/L	127316086
PCB-1248	1160225	ND	0.143	0.200	ug/L	127316086
PCB-1254	1160225	ND	0.143	0.200	ug/L	127316086
PCB-1260	1160225	ND	0.161	0.200	ug/L	127316086
PCB-1262	1160225	ND	0.198	0.200	ug/L	127316086
PCB-1268	1160225	ND	0.143	0.200	ug/L	127316086

CCV						
Parameter	Reading	Known	Units	Recover%	Limits%	File
PCB-1016	964	1000	ug/L	96.4	80.0 - 115	127316085
PCB-1016	1000	1000	ug/L	100	80.0 - 115	127316093
PCB-1260	843	1000	ug/L	84.3	80.0 - 115	127316085
PCB-1260	972	1000	ug/L	97.2	80.0 - 115	127316093

LCS Dup										
Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
PCB-1016	1160225	7.01	6.45	10.0	39.8 - 135	70.1	64.5	ug/L	8.32	30.0
PCB-1260	1160225	6.64	6.27	10.0	36.1 - 134	66.4	62.7	ug/L	5.73	30.0

Surrogate								
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File

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	Surrogate							
<u>Parameter</u>	<u>Sample</u>	<u>Type</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Decachlorobiphenyl	1160225	Blank	60.0	100	ug/L	60.0	10.0 - 200	127316086
Tetrachloro-m-Xylene (Surr)	1160225	Blank	55.1	100	ug/L	55.1	10.0 - 200	127316086
Decachlorobiphenyl	2379151	Unknown	0.673	1.01	ug/L	66.6	10.0 - 200	127316091
Tetrachloro-m-Xylene (Surr)	2379151	Unknown	0.569	1.01	ug/L	56.3	10.0 - 200	127316091

Analytical Set

1161103

EPA 625.1

	Blank					
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
1,2,4,5-Tetrachlorobenzene	1160203	ND	0.517	1.00	ug/L	127316698
1,2-Dichlorobenzene	1160203	ND	0.598	1.00	ug/L	127316698
1,3-Dichlorobenzene	1160203	ND	0.686	1.00	ug/L	127316698
1,4-Dichlorobenzene	1160203	ND	0.633	1.00	ug/L	127316698
2,4,5-Trichlorophenol	1160203	ND	0.734	1.00	ug/L	127316698
2,4-Dimethylphenol	1160203	ND	2.32	2.40	ug/L	127316698
2-Methylphenol (o-Cresol)	1160203	ND	5.13	5.20	ug/L	127316698
3&4-Methylphenol (m&p-Cresol)	1160203	ND	6.15	6.20	ug/L	127316698
3,3'-Dichlorobenzidine	1160203	ND	4.79	5.00	ug/L	127316698
Anthracene	1160203	ND	0.538	1.00	ug/L	127316698
Benzidine	1160203	ND	19.9	20.0	ug/L	127316698
Benzo(a)anthracene	1160203	ND	0.627	1.00	ug/L	127316698
Benzo(a)pyrene	1160203	ND	0.478	1.00	ug/L	127316698
Bis(2-chloroethyl)ether	1160203	ND	0.434	1.00	ug/L	127316698
Bis(2-ethylhexyl)phthalate	1160203	ND	1.63	7.50	ug/L	127316698
Chrysene (Benzo(a)phenanthrene)	1160203	ND	0.575	1.00	ug/L	127316698
Di-n-butylphthalate	1160203	ND	0.834	7.50	ug/L	127316698
Hexachlorobenzene	1160203	ND	0.187	1.00	ug/L	127316698
Hexachlorobutadiene	1160203	ND	0.618	1.00	ug/L	127316698
Hexachlorocyclopentadiene	1160203	ND	8.69	9.00	ug/L	127316698
Hexachloroethane	1160203	ND	0.789	1.00	ug/L	127316698
Nitrobenzene	1160203	ND	0.390	1.00	ug/L	127316698
n-Nitrosodiethylamine	1160203	ND	0.282	1.00	ug/L	127316698
n-Nitroso-di-n-butylamine	1160203	ND	0.403	1.00	ug/L	127316698
Pentachlorobenzene	1160203	ND	0.420	1.00	ug/L	127316698
Pentachlorophenol	1160203	0.930	0.129	1.00	ug/L	127316698
Phenanthrene	1160203	ND	0.624	1.00	ug/L	127316698
Pyridine	1160203	ND	5.33	5.40	ug/L	127316698

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
1,2,4,5-Tetrachlorobenzene	57800	50000	ug/L	116	60.0 - 140	127316697
1,2-Dichlorobenzene	53600	50000	ug/L	107	60.0 - 140	127316697
1,3-Dichlorobenzene	54200	50000	ug/L	108	60.0 - 140	127316697
1,4-Dichlorobenzene	53000	50000	ug/L	106	60.0 - 140	127316697
2,4,5-Trichlorophenol	53400	50000	ug/L	107	69.0 - 130	127316697
2,4-Dimethylphenol	44000	50000	ug/L	88.0	58.0 - 130	127316697

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
2-Methylphenol (o-Cresol)	44300	50000	ug/L	88.6	60.0 - 140	127316697
3&4-Methylphenol (m&p-Cresol)	46700	50000	ug/L	93.4	60.0 - 140	127316697
3,3'-Dichlorobenzidine	54100	50000	ug/L	108	18.0 - 213	127316697
Anthracene	54600	50000	ug/L	109	58.0 - 130	127316697
Benidine	13600	50000	ug/L	27.2	20.0 - 180	127316697
Benzo(a)anthracene	56800	50000	ug/L	114	42.0 - 133	127316697
Benzo(a)pyrene	57000	50000	ug/L	114	32.0 - 148	127316697
Bis(2-chloroethyl)ether	52800	50000	ug/L	106	52.0 - 130	127316697
Bis(2-ethylhexyl)phthalate	60200	50000	ug/L	120	43.0 - 137	127316697
Chrysene (Benzo(a)phenanthrene)	58900	50000	ug/L	118	44.0 - 140	127316697
Di-n-butylphthalate	49600	50000	ug/L	99.2	52.0 - 130	127316697
Hexachlorobenzene	59200	50000	ug/L	118	38.0 - 142	127316697
Hexachlorobutadiene	53700	50000	ug/L	107	68.0 - 130	127316697
Hexachlorocyclopentadiene	61000	50000	ug/L	122	60.0 - 140	127316697
Hexachloroethane	52100	50000	ug/L	104	55.0 - 130	127316697
Nitrobenzene	57000	50000	ug/L	114	54.0 - 158	127316697
n-Nitrosodiethylamine	55200	50000	ug/L	110	60.0 - 140	127316697
n-Nitroso-di-n-butylamine	53400	50000	ug/L	107	60.0 - 140	127316697
Pentachlorobenzene	52200	50000	ug/L	104	60.0 - 140	127316697
Pentachlorophenol	43400	50000	ug/L	86.8	42.0 - 152	127316697
Phenanthrene	51900	50000	ug/L	104	67.0 - 130	127316697
Pyridine	55600	50000	ug/L	111	60.0 - 140	127316697

DFTPP

<i>Parameter</i>		<i>RefMass</i>	<i>Reading</i>	<i>%</i>	<i>Limits%</i>	<i>File</i>
DFTPP Mass 127	629461	198	54608	58.0	40.0 - 60.0	127316696
DFTPP Mass 197	629461	198	0	0.0	0 - 1.00	127316696
DFTPP Mass 198	629461	198	94118	100.0	100 - 100	127316696
DFTPP Mass 199	629461	198	6214	6.6	5.00 - 9.00	127316696
DFTPP Mass 275	629461	198	20178	21.4	10.0 - 30.0	127316696
DFTPP Mass 365	629461	198	2281	2.4	1.00 - 100	127316696
DFTPP Mass 441	629461	443	7401	73.9	0 - 100	127316696
DFTPP Mass 442	629461	198	51354	54.6	40.0 - 100	127316696
DFTPP Mass 443	629461	442	10012	19.5	17.0 - 23.0	127316696
DFTPP Mass 51	629461	198	38757	41.2	30.0 - 60.0	127316696
DFTPP Mass 68	629461	69.0	567	1.2	0 - 2.00	127316696
DFTPP Mass 69	629461	198	46510	49.4	0 - 100	127316696
DFTPP Mass 70	629461	69.0	238	0.5	0 - 2.00	127316696

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,2,4,5-Tetrachlorobenzene	1160203	10.1	11.9	25.0	27.5 - 85.5	40.4	47.6	ug/L	16.4	50.0
1,2-Dichlorobenzene	1160203	9.24	10.2	25.0	23.0 - 81.8	37.0	40.8	ug/L	9.77	50.0
1,3-Dichlorobenzene	1160203	8.72	9.74	25.0	21.1 - 80.5	34.9	39.0	ug/L	11.1	50.0
1,4-Dichlorobenzene	1160203	8.90	9.98	25.0	21.4 - 76.9	35.6	39.9	ug/L	11.4	50.0

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Public Utilities Board
R. Capistran/J Lechuga
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Brownsville, TX 78520-

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
2,4,5-Trichlorophenol	1160203	18.7	18.6	25.0	51.3 - 109	74.8	74.4	ug/L	0.536	50.0
2,4-Dimethylphenol	1160203	6.92	7.08	25.0	23.0 - 120	27.7	28.3	ug/L	2.14	68.0
2-Methylphenol (o-Cresol)	1160203	12.4	13.1	25.0	38.9 - 76.1	49.6	52.4	ug/L	5.49	50.0
3&4-Methylphenol (m&p-Cresol)	1160203	11.0	11.6	25.0	33.0 - 70.4	44.0	46.4	ug/L	5.31	50.0
3,3'-Dichlorobenzidine	1160203	15.6	17.3	25.0	0.100 - 262	62.4	69.2	ug/L	10.3	108
Anthracene	1160203	19.7	20.3	25.0	27.0 - 133	78.8	81.2	ug/L	3.00	66.0
Benzidine	1160203	0.740	1.07	25.0	0.100 - 36.9	2.96	4.28	ug/L	36.5	90.0
Benzo(a)anthracene	1160203	20.5	20.8	25.0	33.0 - 143	82.0	83.2	ug/L	1.45	53.0
Benzo(a)pyrene	1160203	21.5	21.1	25.0	17.0 - 163	86.0	84.4	ug/L	1.88	72.0
Bis(2-chloroethyl)ether	1160203	17.3	17.9	25.0	12.0 - 158	69.2	71.6	ug/L	3.41	108
Bis(2-ethylhexyl)phthalate	1160203	20.3	19.6	25.0	8.00 - 158	81.2	78.4	ug/L	3.51	82.0
Chrysene (Benzo(a)phenanthrene)	1160203	21.3	21.4	25.0	17.0 - 168	85.2	85.6	ug/L	0.468	87.0
Di-n-butylphthalate	1160203	23.1	23.0	25.0	1.00 - 120	92.4	92.0	ug/L	0.434	47.0
Hexachlorobenzene	1160203	18.5	19.3	25.0	0.100 - 152	74.0	77.2	ug/L	4.23	55.0
Hexachlorobutadiene	1160203	7.43	8.60	25.0	24.0 - 120	29.7	34.4	ug/L	14.7	62.0
Hexachlorocyclopentadiene	1160203	6.83	8.06	25.0	3.97 - 68.7	27.3	32.2	ug/L	16.5	50.0
Hexachloroethane	1160203	7.48	8.61	25.0	40.0 - 120	29.9 *	34.4 *	ug/L	14.0	52.0
Nitrobenzene	1160203	17.6	18.0	25.0	35.0 - 180	70.4	72.0	ug/L	2.25	62.0
n-Nitrosodiethylamine	1160203	17.0	17.6	25.0	18.0 - 100	68.0	70.4	ug/L	3.47	50.0
n-Nitroso-di-n-butylamine	1160203	15.8	16.5	25.0	48.4 - 98.5	63.2	66.0	ug/L	4.33	50.0
Pentachlorobenzene	1160203	12.8	14.6	25.0	39.3 - 93.7	51.2	58.4	ug/L	13.1	50.0
Pentachlorophenol	1160203	14.7	14.6	25.0	14.0 - 176	58.8	58.4	ug/L	0.683	86.0
Phenanthrene	1160203	19.4	20.0	25.0	54.0 - 120	77.6	80.0	ug/L	3.05	39.0
Pyridine	1160203	6.24	10.8	25.0	11.2 - 50.6	25.0	43.2	ug/L	53.4 *	50.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4,6-Tribromophenol	629304	CCV	52200	100000	ug/L	52.2	10.0 - 150	127316697
2-Fluorophenol-SURR	629304	CCV	56100	100000	ug/L	56.1	10.0 - 150	127316697
4-Terphenyl-d14-SURR	629304	CCV	52900	50000	ug/L	106	30.0 - 150	127316697
Nitrobenzene-d5-SURR	629304	CCV	55900	50000	ug/L	112	30.0 - 150	127316697
Phenol-d6-SURR	629304	CCV	57600	100000	ug/L	57.6	10.0 - 150	127316697
2,4,6-Tribromophenol	1160203	Blank	44.7	100	ug/L	44.7	10.0 - 150	127316698
2,4,6-Tribromophenol	1160203	LCS	53.8	100	ug/L	53.8	10.0 - 150	127316699
2,4,6-Tribromophenol	1160203	LCS Dup	54.1	100	ug/L	54.1	10.0 - 150	127316700
2-Fluorophenol-SURR	1160203	Blank	33800	100000	ug/L	33.8	10.0 - 150	127316698
2-Fluorophenol-SURR	1160203	LCS	36900	100000	ug/L	36.9	10.0 - 150	127316699
2-Fluorophenol-SURR	1160203	LCS Dup	39500	100000	ug/L	39.5	10.0 - 150	127316700
4-Terphenyl-d14-SURR	1160203	Blank	32100	50000	ug/L	64.2	30.0 - 150	127316698
4-Terphenyl-d14-SURR	1160203	LCS	31000	50000	ug/L	62.0	30.0 - 150	127316699
4-Terphenyl-d14-SURR	1160203	LCS Dup	27700	50000	ug/L	55.4	30.0 - 150	127316700
Nitrobenzene-d5-SURR	1160203	Blank	35700	50000	ug/L	71.4	30.0 - 150	127316698
Nitrobenzene-d5-SURR	1160203	LCS	31800	50000	ug/L	63.6	30.0 - 150	127316699
Nitrobenzene-d5-SURR	1160203	LCS Dup	32200	50000	ug/L	64.4	30.0 - 150	127316700
Phenol-d6-SURR	1160203	Blank	22700	100000	ug/L	22.7	10.0 - 150	127316698

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QUALITY CONTROL



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Surrogate								
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Phenol-d6-SURR	1160203	LCS	25200	100000	ug/L	25.2	10.0 - 150	127316699
Phenol-d6-SURR	1160203	LCS Dup	26800	100000	ug/L	26.8	10.0 - 150	127316700
2,4,6-Tribromophenol	2379151	Unknown	43.8	102	ug/L	42.9	10.0 - 150	127316701
2-Fluorophenol-SURR	2379151	Unknown	39.8	102	ug/L	39.0	10.0 - 150	127316701
4-Terphenyl-d14-SURR	2379151	Unknown	24.6	50.9	ug/L	48.3	30.0 - 150	127316701
Nitrobenzene-d5-SURR	2379151	Unknown	31.2	50.9	ug/L	61.3	30.0 - 150	127316701
Phenol-d6-SURR	2379151	Unknown	27.7	102	ug/L	27.2	10.0 - 150	127316701

Analytical Set

1160410

SM 5220 D-2011

Blank								
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>	<i>File</i>		
Chemical Oxygen Demand	1160410	ND	20.0	20.0	mg/L	127302770		
CCV								
<i>Parameter</i>		<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>	
Chemical Oxygen Demand		405	400	mg/L	101	90.0 - 110	127302771	
Duplicate								
<i>Parameter</i>	<i>Sample</i>		<i>Result</i>	<i>Unknown</i>		<i>Unit</i>	<i>RPD</i>	<i>Limit%</i>
Chemical Oxygen Demand	2377957		781	708		mg/L	9.81	20.0
Chemical Oxygen Demand	2379490		30.8	26.6		mg/L	14.6	20.0
LCS								
<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>		<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits</i>	<i>File</i>
Chemical Oxygen Demand	1160410	206		200	mg/L	103	90.0 - 110	127302772
Mat. Spike								
<i>Parameter</i>	<i>Sample</i>	<i>Spike</i>	<i>Unknown</i>	<i>Known</i>	<i>Units</i>	<i>Recovery %</i>	<i>Limits %</i>	<i>File</i>
Chemical Oxygen Demand	2377957	846	708	220	mg/L	62.7	80.0 - 120	127302775
Chemical Oxygen Demand	2379490	248	26.6	220	mg/L	101	80.0 - 120	127302787

Analytical Set

1161145

SM 2320 B-2011

Blank							
Parameter	PrepSet	Reading	MDL	MQL	Units	File	
Total Alkalinity (as CaCO3)	1161145	ND	1.00	1.00	mg/L	127317384	
Total Alkalinity (as CaCO3)	1161145	ND	1.00	1.00	mg/L	127317411	
CCV							
Parameter		Reading	Known	Units	Recover%	Limits%	File
Total Alkalinity (as CaCO3)		27.0	25.0	mg/L	108	90.0 - 110	127317383
Total Alkalinity (as CaCO3)		25.1	25.0	mg/L	100	90.0 - 110	127317397
Total Alkalinity (as CaCO3)		23.1	25.0	mg/L	92.4	90.0 - 110	127317410
Total Alkalinity (as CaCO3)		27.0	25.0	mg/L	108	90.0 - 110	127317424
Total Alkalinity (as CaCO3)		27.0	25.0	mg/L	108	90.0 - 110	127317437
Duplicate							
Parameter	Sample	Result	Unknown	Unit	RPD	Limit%	

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PUB6-R

Public Utilities Board
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Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Alkalinity (as CaCO ₃)	2379151	1240	1230	mg/L	0.810	20.0
Total Alkalinity (as CaCO ₃)	2379704	645	654	mg/L	1.39	20.0
Total Alkalinity (as CaCO ₃)	2380807	195	198	mg/L	1.53	20.0
Total Alkalinity (as CaCO ₃)	2380906	607	628	mg/L	3.40	20.0

ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Alkalinity (as CaCO ₃)	24.6	25.0	mg/L	98.4	90.0 - 110	127317382

Mat. Spike

<u>Parameter</u>	<u>Sample</u>	<u>Spike</u>	<u>Unknown</u>	<u>Known</u>	<u>Units</u>	<u>Recovery %</u>	<u>Limits %</u>	<u>File</u>
Total Alkalinity (as CaCO ₃)	2379151	1250	1230	25.0	mg/L	80.0	70.0 - 130	127317387
Total Alkalinity (as CaCO ₃)	2379704	647	654	25.0	mg/L	0	70.0 - 130	127317400 *
Total Alkalinity (as CaCO ₃)	2380807	212	198	25.0	mg/L	56.0	70.0 - 130	127317414 *
Total Alkalinity (as CaCO ₃)	2380906	615	628	25.0	mg/L	0	70.0 - 130	127317427 *

* Out RPD is Relative Percent Difference: $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent: $\text{result} / \text{known} * 100\%$

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; 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; 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 standard 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 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.); MRL Check - Minimum Reporting Limit Check Std; 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.); LDR - Linear Dynamic Range Standard; DFTPP - GC/MS Tuning Compound; 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.)

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CHAIN OF CUSTODY

Public Utilities Board
R. Capistrano/J. Lechuga
1425 Robinhood Drive
Brownsville, TX 78520

PUB6-R
108

Lab Number

2179171

PO Number

P2302002

Phone

956/983-6511

SRWA Outfall 001 Permit

☐ Hand delivered by Client to Region or LAB

Matrix: Non-Potable Water

Sample Collection Start

Date: 2-5-25 Time: 14:30

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

Sampler Affiliation:

Sampler Signature:

Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐
☒ 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 2-5-25 Time 14:30 Analyzed By FG3 Date 2-5-25 Time 14:35

Results ND Units mg/L Temp. 26.9 C Duplicate ND Units mg/L Temp. 27.6 C

R1

R2

QC R1

QC R2

Click Field Cl2 Check for CNa

Field Cl2 Check for CNa

Collected By FG3 Date 2-5-25 Time 14:30 Analyzed By FG3 Date 2-5-25 Time 14:35

Results Negative Units mg/L Temp. 26.9 C Duplicate Negative Units mg/L Temp. 27.6 C

R1

R2

QC R1

QC R2

NELAC Short Hold

Cr6F

Hex Cr, Field Preservation

SM 3500-Cr B-2011 CAS:18540-29-9 (1.00 days)



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

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108

Hex Cr, Field Preservation

Collected By FG3 Date 2-5-25 Time 14:30 Analyzed By FG3 Date 2-5-25 Time 14:32

NELAC Short Hold

DO

Dissolved Oxygen Onsite

SM 4500-O G-2016 (0.0104 days)

Dissolved Oxygen Onsite

Collected By FG3 Date 2-5-25 Time 14:30 Analyzed By FG3 Date 2-5-25 Time 14:33

Results 3.69 Units mg/L Temp. 26.9 C Duplicate 3.64 Units mg/L Temp. 27.6 C

NELAC Short Hold

pH

pH (Onsite)

SM 4500-H+ B-2011 (0.0104 days)

pH (Onsite)

Collected By FG3 Date 2-5-25 Time 14:30 Analyzed By FG3 Date 2-5-25 Time 14:32

Results 7.50 Units S.U. Temp. 26.9 C Duplicate 7.56 Units S.U. Temp. 27.6 C

S2Ck Field Sulfide Check for CNa

Field Sulfide Check for CNa

Collected By FG3 Date 2-5-25 Time 14:30 Analyzed By FG3 Date 2-5-25 Time 14:32

Results Negative Units mg/L Temp. 26.9 C Duplicate Negative Units mg/L Temp. 27.6 C

R1 _____ R2 _____ QC R1 _____ QC R2 _____

NELAC Short Hold

Temp

Temperature (onsite)

SM 2550 B - 2010 (0.0104 days)



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Public Utilities Board
R. Capistran/J. Lechuga
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Brownsville, TX 78520

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Temperature (onsite)

Collected By FG3 Date 2-5-25 Time 14:30 Analyzed By FG3 Date 2-5-25 Time 14:33
Results 26.9 Units °C Duplicate 27.6 Units °C

☐ 1	Amber Glass Qt w/Teflon lined lid		
NELAC	IPCB	Polychlorinated Biphenyls	EPA 608.3 (7.00 days)
☐ 2	Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid		
NELAC Short Hold	019E	Acrylonitrile Exp.	EPA 624.1 (3.00 days)
☐ 2	H2SO4 to pH <2 GIQt w/Tef-lined lid		
	NYPE	Nonyl Phenol Expansion	ASTM D7065-17 (14.0 days)
☐ 2	H2SO4 to pH <2 GIQt w/Tef-lined lid		
NELAC	HEM	Oil and Grease (HEM)	EPA 1664B (HEM) (28.0 days)
☐ 1	H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid		
NELAC	TOCL	Total Organic Carbon	SM 5310 C-2014 (28.0 days)
☐ 1	Amber Glass Qt w/Teflon lined lid		
NELAC	TBES	TEEX SVOC	EPA 625.1 (7.00 days)
☐ 1	Polyethylene 1/2 gal (White)		
NELAC Short Hold	BOD	Biochemical Oxygen Demand (BOD5)	SM 5210 B-2016 CAS:1026-3 (2.04 days)
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		
NELAC Short Hold	Cr+3	Trivalent Chromium	Calculation CAS:16065-83-1 (1.00 days)
	LAB1	Labor - 1 Hour	
☐ 1	HNO3 to pH <2 Polyethylene 500 mL for Metals		



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NELAC	*AgM	Silver, Total	EPA 200.8 5.4 CAS:7440-22-4 (180 days)
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	*PI	Phosphorus	EPA 200.7 4.4 CAS:7723-14-0 (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	*TIM	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	BD3V	BND Table 3.0 VOC Expansion	EPA 624.1 (3.00 days)

2 H2SO4 to pH <2 250 ml Polyethylene

NELAC	COD	Chemical Oxygen Demand	SM 5220 D-2011 (28.0 days)
NELAC	NHaN	Ammonia Nitrogen	EPA 350.1 2 (28.0 days)
	OrgN	Nitrogen, Total Organic (as N)	EPA 351.2 minus EPA 350.1 (28.0 days)
NELAC	TKN	Total Kjeldahl Nitrogen	EPA 351.2 2 CAS:7727-37-9 (28.0 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	245I	Low Level Mercury Liquid Metals	EPA 245.7 2 (90.0 days)

2 NaOH to pH >12 Polyethylene 250 mL/amber



1135202 CoC Print Group 001 of 001

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



SPL
The Science of Safe

Printed 01/03/2025

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CHAIN OF CUSTODY

Public Utilities Board
R. Capistran/J Lechuga
1425 Robinhood Drive
Brownsville, TX 78520-
NELAC

**PUB6-R
108**

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	CNCI	Cyanide After Chlorination	SM 4500-CN ⁻ G-2016 (14.0 days)

1 Polyethylene Quart

NELAC	ICIL	Chloride	EPA 300.0 2.1 (28.0 days)
NELAC	IFIL	Fluoride	EPA 300.0 2.1 (28.0 days)
NELAC Short Hold	IN3L	Nitrate-Nitrogen Total	EPA 300.0 2.1 CAS:14797-55-8 (2.00 days)
NELAC	IS4L	Sulfate	EPA 300.0 2.1 (28.0 days)
NELAC	AlkT	Total Alkalinity (as CaCO ₃)	SM 2320 B-2011 (14.0 days)
NELAC	TDS	Total Dissolved Solids	SM 2540 C-2015 (7.00 days)

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
2/5/25	17:30	Printed Name: Frank Gamez III - SPL, Inc. Signature: [Signature]	Printed Name: [Blank] Signature: [Blank]
2/4/25	10:15	Printed Name: [Blank] Signature: [Signature]	Printed Name: Kiersten Rossum - SPL, Inc. Signature: [Signature]
		Printed Name: [Blank] Signature: [Signature]	Printed Name: [Blank] Signature: [Signature]
		Printed Name: [Blank] Signature: [Signature]	Printed Name: [Blank] Signature: [Signature]

Sample Received on Ice? ☒ Yes ☐ NoCooler/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, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000323.

Comments



1135202 CoC Print Group 001 of 001

Seal

Recipients Copy

SHIP DATE: 05FEB25
ACTWGT: 58.30 LB
QAD: 6394257/SSFE26004
DIMS: 24x14x13 IN
BILL THIRD PARTY

ORIGIN ID: HRLA (555) 555-5555
AND LAB / RGV
2401 VILLAGE DR STE C
BROWNSVILLE, TX 77821
UNITED STATES US

TO
LOGIN
SPL
2600 DUDLEY RD
KILGORE TX 75662

(555) 555-5555 REF: DEPT:

Express Package Service
NOTE: Sample number

0200

FedEx Express
E

THU - 06 FEB 10:30A
PRIORITY OVERNIGHT

TRK# 8086 3187 4642
0200

XS GGGA

75662
TX-US SHV

26 1015
Date Time Tech
Temp: 1.6/1.3 C
Therm#: 6443 Corr Fact: -0.3 C

1 From
Date 2-5-25
Sender Name
Company
Address
City
State
Zip
Country

2 Your Internal Billing Reference
To Recipient Name
Company
Address
City
State
Zip
Country

3 To Recipient Name
Company
Address
City
State
Zip
Country

4 Express Package Service
NOTE: Sample number

0200

FedEx NEW Package
Express US Airbill

8086 3187 4642

fedex.com 1.800.GoFedEx 1.800.463.3339



Analytical Report

1073257

For

SPL Labs

Project Manager

2600 Dudley Road,

Kilgore, TX 75662

Monday, February 24, 2025

RP250224033

Approved by

Luke Crozier, Assistant Manager

8310 S. Broadway | Tyler, TX 75703 | www.aeltyler.com

P: 903-509-8700 | F:903-509-8811

The analyses or interpretations contained in this report have been prepared at the client's direction, are based upon observations of materials provided by the client and express the best judgement of Analytical Environmental Laboratory LLC. Analytical Environmental Laboratory LLC makes no other representation or warranty, expressed or implied, regarding this report.

Date Sampled :02/05/2025

Time Sampled2:30PM

Project Name :

Project Number :

Sample Description :2379151

Laboratory ID :1073257-47

Date Received :02/19/2025

Time Received :12:52PM

Matrix :Liquid

Sample Type :Grab

Parameter	Result	Unit	MQL	Qualifier	Test Method	QA	Date	Tech	Ac.
Total Organic Carbon	1.59	mg/L	0.5		SM 5310C-2014	25022401	2/23/25 4:38	LAC	N,T

1073257**Date/Time Analyzed : 2/22/25 23:10**
Analysis Method : SM 5310C-2014**QA Batch Number : Qb25022401**
Units : mg/L Analyst : LAC

<i>Parameter</i>	<i>Analysis Type</i>	<i>Analysis I.D</i>	<i>Analyzed value</i>	<i>RPD</i>	<i>Spike Added</i>	<i>% Rec</i>	<i>Rec Ctrl Limits</i>	<i>RPD Ctrl Limits</i>	<i>Qualifier</i>
Total Organic Carbon	CCB		0.0949						
Total Organic Carbon	CCB		0.0982						
Total Organic Carbon	CCB		0.115						
Total Organic Carbon	CCV		19.2		20	96	85-115	-	
Total Organic Carbon	CCV		19.3		20	96.5	85-115	-	
Total Organic Carbon	CCV		9.95		10	99.5	85-115	-	
Total Organic Carbon	CCV		9.96		10	99.6	85-115	-	
Total Organic Carbon	Duplicate	1073257.33	9.8	1			-	0-15	
Total Organic Carbon	Duplicate	1073257.34	3.39	0.3			-	0-15	
Total Organic Carbon	IC Removal		0.191						
Total Organic Carbon	ICV		10		10	100	90-110	-	
Total Organic Carbon	MB		0.0682						
Total Organic Carbon	MS	1073257.33	34.6		5	99.6	85-115	-	
Total Organic Carbon	MS	1073257.34	8.13		5	95	85-115	-	
Total Organic Carbon	RLV		0.644		0.5	128.8	50-150	-	

Analytical Environmental Laboratory LLC
8310 South Broadway
Tyler, TX 75730
903-509-8700

NOTES & DEFINITIONS

Unless otherwise specified, these test results meet the requirements of TNI.

µg/L Micrograms per Liter (ppb)

µg/kg Micrograms per Kilogram (ppb)

mg/L Milligrams per Liter (ppm)

mg/kg Milligrams per Kilogram (ppm)

Note: If RPD shows recovery outside control limits and data not flagged, then RPD was not calculable.

MDL (TRRP SQL) The minimum concentration of a COC the laboratory would measure and report with 99% confidence that the analyte concentration is greater than zero. The MDL reported in the MDL column is the method detection limit adjusted to reflect sample dilution.

MQL Lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. The MQL reported in the MQL column is the method quantitation limit adjusted to reflect sample dilution.

Note: Results are reported on a wet weight basis unless otherwise noted.

Note: AEL is certified in Drinking Water Matrix for Total Coliforms and E.coli (P/A). Other Drinking water tests are not part of AEL's scope. Lab approval tests noted under Ac.

Note: Tests noted with a "N" under Ac. column represents that the test is part of our NELAP Accreditation.

Note: If "N" is not showing under Ac. column, that test is not Nelac accredited.

Note: Tests noted with a "T" under Ac. column represents that the test is part of our TCEQ Drinking Lab Approval.

Note: Subcontract under Method denotes test has been subcontracted. Only the value will be displayed, details can be found at end of report.

QA FLAGS

J	Analyte concentration is above the MDL but below the MQL and is considered an estimate.

CASE NARRATIVE

Job ID : 1073257



Client Name : SPL Labs
Project Name :
Date Received : 02/19/2025
Collected By :

**There is nothing additional to report in the case narrative.
Qualifiers will be noted next to the sample results or QC if applicable.
Sample Condition Check will note any login discrepancies or issues.**

*Analytical Environmental Laboratory LLC
8310 South Broadway
Tyler, TX 75730
903-509-8700*

SAMPLE CONDITION CHECKLIST

Date: 02/24/2025 10:50 AM

Client Name : SPL Labs		
Client Address : 2600 Dudley Road		
Job ID : 1073257	Date Received : 02/19/2025	Time Received : 12:52 PM
Temperature(°C) : 4.3/3.4,2.8/1.9, 2.1/1.2,2.1/1.2		
Thermometer ID : T172	pH Paper ID : R15419	
Comments : Include actions taken to resolve discrepancies/problem:		
Sample ID 1 was not recieved within holding time. Sample ID 23 was not recieved with correct preservation and was testing with a ph of 3. Preservative was added in lab and ph was retested at a 2. Client responded via email with correct collection date for sample 1, making it within holding time.		

	Check Points	Yes	No	N/A
1	Custody Seals Intact (Shipping &/or Sample containers)			✓
2	Sample(s) received in the Process of Chilling	✓		
3	Chain of Custody (COC) Present	✓		
4	COC Signed by sampler / relinquished / received	✓		
5	All expected Containers Present	✓		
6	All containers Intact	✓		
7	COC and sample Labels agree	✓		
8	Sample(s) in Appropriate lab Container	✓		
9	Sample(s) at correct Temperature	✓		
10	Sample(s) correctly Preserved		✓	
11	Sample Amount Sufficient for analyses requested	✓		
12	Samples received within Holding Time; aqueous pH within 15 min	✓		
13	Sample pH checked and in range required by method	✓		
14	Sample filtered as required			✓
15	Tests needing zero Headspace completely filled (or are plugs in VOAs or Encore); tests needing minimum hs. filled appropriately.			✓

CheckIn By : MFW

CheckIn Date : 02/19/2025

Tocs SUBs 2/19/25

SUB TO AEL

Job # 1073257
Pg 1 of 3

Ael id

	SAMPLE ID	DATE TAKEN	TIME TAKEN	
-1	2378930	1/5/2025	11:45:00	Tocs
-2	2379107	2/4/2025	8:16:00	Tocs
-3	2379109	2/4/2025	14:10:00	Tocs
-4	2379113	2/5/2025	7:15:00	Tocs
-5	2379114	2/5/2025	8:00:00	Tocs
-6	2379118	2/5/2025	8:00:00	Tocs
-7	2379120	2/5/2025	8:00:00	Tocs
-8	2379121	2/5/2025	16:20:00	Tocs
-9	2379122	2/5/2025	9:50:00	Tocs
-10	2379124	2/6/2025	5:00:00	Tocs
-11	2379127	2/5/2025	9:00:00	Tocs
-12	2379128	2/5/2025	8:00:00	Tocs
-13	2379132	2/5/2025	7:40:00	Tocs
-14	2379133	2/5/2025	7:40:00	Tocs
-15	2379189	2/5/2025	8:20:00	Tocs
-16	2379191	2/5/2025	9:24:00	Tocs
-17	2379198	2/5/2025	8:00:00	Tocs
-18	2379201	2/5/2025	12:00:00	Tocs
-19	2379208	2/5/2025	9:45:00	Tocs
-20	2379212	2/5/2025	10:50:00	Tocs
-21	2379216	2/5/2025	8:15:00	Tocs
-22	2379217	2/5/2025	11:15:00	Tocs
-23	2379241	2/5/2025	9:04:00	Tocs
-24	2379242	2/5/2025	9:40:00	Tocs
-25	2379245	2/5/2025	8:30:00	Tocs
-26	2379247	2/5/2025	8:30:00	Tocs
-27	2379249	2/5/2025	10:30:00	Tocs
-28	2379252	2/5/2025	8:50:00	Tocs
-29	2379253	2/5/2025	10:20:00	Tocs
-30	2379487	2/6/2025	9:00:00	Tocs
-31	2379489	2/6/2025	11:00:00	Tocs
-32	2379509	2/6/2025	8:53:00	Tocs
-33	2379512	2/6/2025	10:00:00	Tocs
-34	2379550	2/6/2025	8:55:00	Tocs
-35	2379551	2/6/2025	8:30:00	Tocs
-36	2379552	2/6/2025	8:40:00	Tocs
-37	2379557	2/5/2025	12:58:00	Tocs
-38	2379558	2/5/2025	12:45:00	Tocs
-39	2379569	2/5/2025	15:15:00	Tocs
-40	2379571	2/5/2025	15:15:00	Tocs
-41	2379573	2/5/2025	14:35:00	Tocs

Temp 4.3

Temp 2.8



1073257

Job # W73257
Pg 2 of 3

-42	2379575	2/5/2025	13:35:00	Tocs
-43	2379578	2/6/2025	8:00:00	Tocs
-44	2379579	2/6/2025	10:00:00	Tocs
-45	2379590	2/6/2025	9:50:00	Tocs
-46	2379591	2/6/2025	9:55:00	Tocs
-47	2379151	2/5/2025	14:30:00	TOCd
-48	2379239	2/5/2025	9:36:00	TOCd
-49	2379621	2/7/2025	11:45:00	TOCd
-50	2379643	2/6/2025	9:20:00	TOCd
-51	2379649	2/6/2025	10:21:00	TOCd
-52	2379893	2/6/2025	10:45:00	TOCd
-53	2380024	2/3/2025	11:10:00	TOCd
-54	2380026	2/3/2025	11:30:00	TOCd
-55	2380027	2/3/2025	8:00:00	TOCd
-56	2380028	2/3/2025	6:00:00	TOCd
-57	2380029	2/3/2025	6:30:00	TOCd
-58	2380034	2/6/2025	12:45:00	TOCd
-59	2380039	2/6/2025	14:01:00	TOCd
-60	2380075	2/5/2025	12:50:00	TOCd
-61	2380076	2/5/2025	13:00:00	TOCd
-62	2380725	2/11/2025	13:20:00	TOCd
-63	2380738	2/11/2025	9:59:00	TOCd
-64	2380739	2/11/2025	9:51:00	TOCd
-65	2380740	2/11/2025	10:20:00	TOCd
-66	2380747	2/11/2025	15:40:00	TOCd
-67	2380750	2/10/2025	15:20:00	TOCd
-68	2380751	2/11/2025	14:45:00	TOCd
-69	2380837	2/10/2025	11:00:00	TOCd
-70	2381031	2/12/2025	12:43:00	TOCd
-71	2381221	1/28/2025	7:05:00	TOCd
-72	2381222	1/28/2025	8:00:00	TOCd
-73	2381224	1/28/2025	7:30:00	TOCd
-74	2381225	1/28/2025	7:30:00	TOCd
-75	2381226	2/4/2025	7:55:00	TOCd
-76	2381228	2/4/2025	7:55:00	TOCd
-77	2381230	2/4/2025	7:35:00	TOCd
-78	2381231	2/4/2025	8:10:00	TOCd
-79	2381233	2/4/2025	7:00:00	TOCd
-80	2381234	1/29/2025	7:50:00	TOCd
-81	2381236	1/29/2025	7:40:00	TOCd
-82	2381237	1/29/2025	7:03:00	TOCd
-83	2381238	1/29/2025	8:15:00	TOCd
-84	2381240	1/29/2025	8:00:00	TOCd
-85	2381242	2/4/2025	7:30:00	TOCd
-86	2381250	2/11/2025	17:05:00	TOCd
-87	2381787	2/11/2025	10:50:00	TOCd
-88	2381789	2/11/2025	10:15:00	TOCd

Temp 2.1

2.1

Temp 2.1



1073257

Job #1073257

Pg 3 of 3

-84	2381790	2/11/2025	10:40:00	TOCd
-90	2381791	2/11/2025	10:25:00	TOCd
-91	2381792	2/11/2025	10:30:00	TOCd
-92	2382312	2/17/2025	11:00:00	TOCd
-93	2382322	2/17/2025	12:00:00	TOCd
-94	2382398	2/12/2025	14:41:00	TOCd
-95	2382399	2/12/2025	15:26:00	TOCd
-96	2382858	2/12/2025	8:28:00	TOCd
-97	2382859	2/12/2025	8:23:00	TOCd
	2382895	2/19/2025		TOCd

RELENGISHED BY:

SIGNATURE

DATE/TIME

RECEIVED BY:

SIGNATURE

DATE/TIME

PLEASE SEND SEPARATE REPORT FOR EACH SAMPLE

Transaction Record

**TRACKING NO.:****880403903275****SHIP DATE:****Apr 9, 2025****ESTIMATED SHIPPING CHARGES:****60.69 USD****From address****Jose Lechuga**

Brownsville Public Utilities Board

1425 Robinhood Drive

78521 TX Brownsville

US

Phone: 9569836217

Phone extension: 6217

nlopez@brownsville-pub.com

To address**Ex Dir-App Rev & Proc Team, MC-148**

Tx Commission on Env. Quality

12100 Park 35 Circle

78753 TX Austin

US

Phone: 5122391000

Package information

Pieces	Weight	Dimensions (LxWxH)	Carriage value	Package options
1 x	15.00 lb			n/a
Packaging type: Your Packaging		Service: FedEx 2Day		Pickup / drop-off type: Schedule a new pickup

Billing information

Bill transportation cost to: *****338

Bill duties, taxes and fees to:

Your reference:

P.O. No.:

Invoice No.:

Department No.:

Please note: This transaction record is neither a statement nor an invoice, and does not confirm shipment tendered to FedEx or payment. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1000, e.g., jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits; Consult the applicable FedEx Service Guide for details. The estimated shipping charge may be different than the actual charges for your shipment. Differences may occur based on actual weight, dimensions, and other factors. Consult the applicable FedEx Service Guide or the FedEx Rate Sheets for details on how shipping charges are calculated.