



Administrative Package Cover Page

This file contains the following documents:

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



Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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 DOMESTIC WASTEWATER/STORMWATER

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

Mayde Creek Municipal Utility District (CN: 600647648) operates Mayde Creek MUD Regional Wastewater Treatment Facility (RN 102915576), an activated sludge plant. The facility is located at 19702 Morton Road, in Katy, Harris County, Texas 77449. This application is for a renewal to discharge at an annual average flow of 2,000,000 million gallons per day of treated domestic wastewater via Harris County Flood Control Ditch No. U101-03-00.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a mechanical rotary drum fine screen, seven aeration basins, two circular clarifiers, eight aerobic digester basins, and a chlorine contact basin.

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

AGUAS RESIDUALES DOMÉSTICAS [aquí](#) /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.

El Distrito de Servicios Públicos Municipales de Mayde Creek (CN: 600647648) opera la Instalación Regional de Tratamiento de Aguas Residuales (RN 102915576) de Mayde Creek MUD, una planta de lodos activados. La instalación está ubicada en 19702 Morton Road, en Katy, Harris County, Texas 77449. Esta solicitud es para una renovación para descargar a un flujo promedio anual de 2,000,000 millones de galones por día de aguas residuales domésticas tratadas a través de la zanja de control de inundaciones del condado de Harris No. U101-03-00.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli. En la sección 7 del Informe Técnico Doméstico 1.0 se incluyen contaminantes potenciales adicionales. Análisis de Contaminantes de Efluentes Tratados y Hoja de Trabajo Doméstico 4.0 en el paquete de solicitud de permisos. Las aguas residuales domésticas son tratadas por una planta de procesamiento de lodos activados y las unidades de tratamiento incluyen un tamiz fino de tambor rotativo mecánico, siete cuencas de aireación, dos clarificadores circulares, ocho cuencas de digestores aeróbicos y una cuenca de contacto con cloro.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0011969001

APPLICATION. Mayde Creek Municipal Utility District, 3200 Southwest Freeway, Suite 2600, Houston, Texas 77027, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0011969001 (EPA I.D. No. TX0076660) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 2,000,000 gallons per day. The domestic wastewater treatment facility is located at 19702 Morton Road, in the city of Katy, in Harris County, Texas 77449. The discharge route is from the plant site to a Harris County Flood Control District Ditch; thence to South Mayde Creek; thence to Buffalo Bayou Above Tidal. TCEQ received this application on May 20, 2025. The permit application will be available for viewing and copying at Texas Commission on Environmental Quality - Region 12, 5425 Polk Avenue, Suite H, Houston, in Harris County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

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

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.713055,29.815555&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 Mayde Creek Municipal Utility District at the address stated above or by calling Ms. Kelly Wilkinson, P.E., IDS Engineering Group, at 713-462-3178.

Issuance Date: June 9, 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. WQ0011969001

SOLICITUD. Mayde Creek Municipal Utility District, 3200 Southwest Freeway, Suite 2600, Houston, Texas 77027, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0011969001 (EPA I.D. No. TX 0076660) 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 2,000,000 galones por día. La planta está ubicada 19702 Morton Road, en el Condado de Katy, Texas 77449. La ruta de descarga es del sitio de la planta a La ruta de desagüe es desde el sitio de la planta hasta la zanja del Distrito de Control de Inundaciones del Condado de Harris; de allí hacia el arroyo South Mayde; y de allí hacia el Buffalo Bayou por encima de la marea. La TCEQ recibió esta solicitud el 20 de mayo de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Texas Commission on Environmental Quality - Region 12, 5425 Polk Avenue, Suite H, Houston, in Harris County, Texas County 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=-95.713055,29.815555&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 del Mayde Creek Municipal Utility District a la dirección indicada arriba o llamando a Ms. Kelly Wilkinson, P.E., IDS Engineering Group al 713-462-3178.

Fecha de emisión: 9 de junio de 2025

Domestic Wastewater Permit Renewal Application

Texas Commission on Environmental Quality

Mayde Creek Municipal Utility District

IDS Project No. 0512-070-02

May 2025



May 20, 2025

Texas Commission on Environmental Quality
Water Quality Division
Applications Review and Processing Team (MC148)
Building F, Room 2101
12100 Park 35 Circle
Austin, Texas 78753

Reference: Mayde Creek Municipal Utility District
Domestic Wastewater Permit Renewal Application
Permit No. WQ0011969001; IDS Project No. 0512-070-01

Executive Director:

Enclosed please find one (1) original and three (3) copies of the domestic wastewater treatment plant permit application submitted on behalf of the District.

One (1) check for the application fee in the amount of \$2015.00 has been sent to the Texas Commission on Environmental Quality Revenues Section (MC 214). A copy of the check is included in this package.

Respectfully,

A handwritten signature in blue ink that reads "Kelly Wilkinson".

Kelly Wilkinson, P.E.
Senior Project Manager

S:\Projects\0500\051207002 Mayde Creek TPDES Renewal 2025\2025 Permit Application\2025-01-28 MCMUD
TPDES Renewal Application PDFS-Word Docs\2025-01-29 MCMUD Renewal Application Letterhead.docx



May 20, 2025

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

Reference: Mayde Creek Municipal Utility District
Domestic Wastewater Permit Renewal Application
Permit No. WQ0011969001; IDS Project No. 0512-070-01

Dear Sir or Madam:

Transmitted herewith please find one (1) check in the amount of \$2015.00 made payable to the Texas Commission on Environmental Quality. This Check is for the renewal of a domestic wastewater treatment plant permit submitted on behalf of the District.

A copy of this check will be included within the permit application package to expedite processing.

Respectfully,

A handwritten signature in blue ink that reads "Kelly Wilkinson".

Kelly Wilkinson, P.E.
Senior Project Manager

S:\Projects\0500\051207002 Mayde Creek TPDES Renewal 2025\2025 Permit Application\2025-01-28 MCMUD
TPDES Renewal Application PDFS-Word Docs\2025-01-29 MCMUD TCEQ Renewal Application Check.docx



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Mayde Creek Municipal Utility District

PERMIT NUMBER (If new, leave blank): WQ00 11969-001

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

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

For TCEQ Use Only

Segment Number _____ County _____
Expiration Date _____ Region _____
Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**DOMESTIC WASTEWATER PERMIT APPLICATION
ADMINISTRATIVE REPORT 1.0**

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

Section 1. Application Fees (Instructions Page 26)

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

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

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number: 220634
Check/Money Order Amount: \$2,015.00
Name Printed on Check: IDS Engineering Group

EPAY Voucher Number:

Copy of Payment Voucher enclosed? Yes ☒

Section 2. Type of Application (Instructions Page 26)

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

- ☒ Publicly-Owned Domestic Wastewater
☐ Privately-Owned Domestic Wastewater
☐ Conventional Wastewater Treatment

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

- ☒ Active ☐ Inactive

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

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

d. Check the box next to the appropriate application type

- | | |
|---|---|
| ☐ New | |
| ☐ Major Amendment <u>with</u> Renewal | ☐ Minor Amendment <u>with</u> Renewal |
| ☐ Major Amendment <u>without</u> Renewal | ☐ Minor Amendment <u>without</u> Renewal |
| ☒ Renewal without changes | ☐ Minor Modification of permit |

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

f. For existing permits:

Permit Number: WQ00 11969-001

EPA I.D. (TPDES only): TX 0076660

Expiration Date: 11/18/2025

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

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

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

Mayde Creek Municipal Utility District

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

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?

You may search for your CN on the TCEQ website at <http://www15.tceq.texas.gov/crpub/>

CN: 600647648

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: Mr.

Last Name, First Name: Dumas, Cyrus

Title: President

Credential: N/A

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

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

N/A

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

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

CN: N/A

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

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

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0. 1

Section 4. Application Contact Information (Instructions Page 27)

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

- A. Prefix: Ms. Last Name, First Name: Wilkinson, Kelly
Title: District Engineer Credential: P.E.
Organization Name: IDS Engineering Group
Mailing Address: 13430 Northwest Freeway, Suite 700 City, State, Zip Code: Houston, TX, 77040
Phone No.: (713) 462-3178 E-mail Address: kwilkinson@idseg.com
Check one or both: ☒ Administrative Contact ☒ Technical Contact
- B. Prefix: Mr. Last Name, First Name: Law, Clyde
Title: Design Engineer Credential: N/A
Organization Name: IDS Engineering Group
Mailing Address: 13430 Northwest Freeway, Suite 700 City, State, Zip Code: Houston, TX, 77027
Phone No.: (713) 462-3178 E-mail Address: claw@idseg.com
Check one or both: ☒ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

- A. Prefix: Ms. Last Name, First Name: Lutz, Angela
Title: District Attorney Credential: N/A
Organization Name: Allen Boone Humphries Robinson LLP

Mailing Address: 3200 Southwest Freeway, Suite 2600
77027

City, State, Zip Code: Houston, Tx,

Phone No.: (713) 860-6470

E-mail Address: alutz@abhr.com

B. Prefix: Ms.

Last Name, First Name: Wilkinson, Kelly

Title: District Engineer

Credential: P.E.

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Freeway, Suite 700
77040

City, State, Zip Code: Houston, Tx,

Phone No.: (713) 462-3178

E-mail Address: kwilkinson@idseg.com

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Ms.

Last Name, First Name: Redden, Claudia

Title: Bookkeeper

Credential: N/A

Organization Name: Claudia Redden & Associates LLC

Mailing Address: P.O. Box 11890

City, State, Zip Code: Spring, Texas 77391

Phone No.: (281) 440-9400

E-mail Address: claudiaredden@aol.com

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

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

Prefix: Mr.

Last Name, First Name: Downum, Bart

Title: District Operator

Credential: N/A

Organization Name: Inframark

Mailing Address: 17495 Village Green Drive

City, State, Zip Code: Houston, Tx, 77040

Phone No.: (832) 467-1599

E-mail Address: bart.downum@inframark.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms.

Last Name, First Name: Gillamac, Dezie

Title: Administrative Assistant

Credential:

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Freeway, Suite 700
77040

City, State, Zip Code: Houston, Tx,

Phone No.: (713) 462-3178

E-mail Address: dgillamac@idseg.com

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Ms.

Last Name, First Name: Wilkinson, Kelly

Title: District Engineer

Credential: P.E.

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Freeway, Suite 700
77040

City, State, Zip Code: Houston, Tx,

Phone No.: (713) 462-3178

E-mail Address: kwillkinson@idseg.com

D. Public Viewing Information

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

Public building name: TCEQ Building 12

Location within the building: N/A

Physical Address of Building: 5425 Polk Avenue, Suite H

City: Houston

County: Harris

Contact (Last Name, First Name): N/A

Phone No.: _ Ext.:

E. Bilingual Notice Requirements

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

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

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required.

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

☒ Yes

☐ No

If **no**, publication of an alternative language notice is not required; **skip to** Section 9 below.

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

F. Plain Language Summary Template

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

Attachment: 9

G. Public Involvement Plan Form

Complete the Public Involvement Plan Form (TCEQ Form 20960) for each application for a **new permit or major amendment to a permit** and include as an attachment.

Attachment:

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

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN 102915576

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

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

Municipal Utility District Regional Wastewater Treatment Facility

C. Owner of treatment facility: Mayde Creek Municipal Utility District

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

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

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: Mayde Creek Municipal Utility District

Mailing Address: 19702 Morton Road

City, State, Zip Code: Katy, Tx, 77449

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

E. Owner of effluent disposal site:

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

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

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

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

☒ Yes ☐ No

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

City nearest the outfall(s): Houston ETI

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

C. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?

☒ Yes ☐ No

If **yes**, indicate by a check mark if:

- ☒ Authorization granted ☐ Authorization pending

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

Attachment: N/A

- D. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: N/A

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☐ No

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

N/A

- B. City nearest the disposal site: N/A

- C. County in which the disposal site is located: N/A

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

N/A

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

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

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

☐ Yes ☒ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application:

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account number:

Amount past due:

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, please provide the following information:

Enforcement order number:

Amount past due:

Section 13. Attachments (Instructions Page 33)

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

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

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

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

☐ Attachment 1 for Individuals as co-applicants

☐ Other Attachments. Please specify:

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0011969-001

Applicant: Mayde Creek Municipal Utility District

Certification:

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

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

Signatory name (typed or printed): Cyrus Dumas

Signatory title: President

Signature: _____

(Use blue ink)

Date: _____

4/28/25

Subscribed and Sworn to before me by the said _____

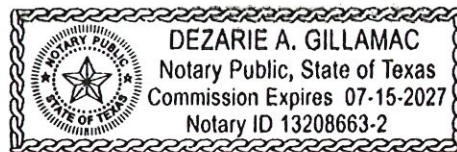
Cyrus Dumas

on this 28th day of April, 2025.

My commission expires on the 15th day of July, 2027.

Dezarie A. Gillamac

Notary Public



[SEAL]

Harris

County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

- A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:
- ☐ The applicant's property boundaries
 - ☐ The facility site boundaries within the applicant's property boundaries
 - ☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
 - ☐ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
 - ☐ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
 - ☐ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
 - ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
 - ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
 - ☐ The property boundaries of all landowners surrounding the effluent disposal site
 - ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
 - ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located
- B. ☐ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.
- C. Indicate by a check mark in which format the landowners list is submitted:
- ☐ USB Drive ☐ Four sets of labels
- D. Provide the source of the landowners' names and mailing addresses:
- E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?
- ☐ Yes ☒ No

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

Section 2. Original Photographs (Instructions Page 38)

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

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

Section 3. Buffer Zone Map (Instructions Page 38)

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

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

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

- ☐ Ownership
- ☐ Restrictive easement
- ☐ Nuisance odor control
- ☐ Variance

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

- ☒ Yes ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: 10

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if the mailing the payment.

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP Waste Permit No: 0011969-001

1. Check or Money Order Number: 220634
2. Check or Money Order Amount: \$2,015.00
3. Date of Check or Money Order: 5/16/2025
4. Name on Check or Money Order: IDS Engineering Group
5. APPLICATION INFORMATION

Name of Project or Site: Mayde Creek Municipal Utility District Regional Wastewater

Physical Address of Project or Site: 19702 Morton Road, Katy Tx, 77449

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

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

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., Miss):

Full legal name (Last Name, First Name, Middle Initial):

Driver's License or State Identification Number:

Date of Birth:

Mailing Address:

City, State, and Zip Code:

Phone Number: _ Fax Number:

E-mail Address:

CN:

For Commission Use Only:

Customer Number:

Regulated Entity Number:

Permit Number:

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

Core Data Form (TCEQ Form No. 10400) ☒ Yes
*(Required for all application types. Must be completed in its entirety and signed.
 Note: Form may be signed by applicant representative.)*

Correct and Current Industrial Wastewater Permit Application Forms ☒ Yes
(TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or later.)

Water Quality Permit Payment Submittal Form (Page 19) ☒ Yes
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

7.5 Minute USGS Quadrangle Topographic Map Attached ☒ Yes
*(Full-size map if seeking "New" permit.
 8 ½ x 11 acceptable for Renewals and Amendments)*

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

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

Things to Know:

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

Landowners Cross Reference List ☒ N/A ☐ Yes
(See instructions for landowner requirements)

Landowners Labels or USB Drive attached ☒ N/A ☐ Yes
(See instructions for landowner requirements)

Original signature per 30 TAC § 305.44 – Blue Ink Preferred ☒ Yes
*(If signature page is not signed by an elected official or principle executive officer,
 a copy of signature authority/delegation letter must be attached)*

Plain Language Summary ☐ Yes



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 600647648		RN 102915576

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		4/28/2025	
☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership					
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<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>	
Mayde Creek Municipal Utility District					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
11. Type of Customer:		☐ Corporation		☐ Individual	Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other		☐ Sole Proprietorship		☒ Other: Municipal Utility District	
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:	Allen Boone Humphries Robinson LLP				
	3200 Southwest Freeway, Suite 2600				
	City	Houston	State	TX	ZIP 77027
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)	

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(713) 860-6400		(713) 860-6401

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								
<i>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).</i>								
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)								
Mayde Creek Municipal Utility District								
23. Street Address of the Regulated Entity: (No PO Boxes)	19702 Morton Rd							
	City	Houston	State	TX	ZIP	77449	ZIP + 4	
24. County	Harris							

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

25. Description to Physical Location:								
26. Nearest City						State	Nearest ZIP Code	
<i>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).</i>								
27. Latitude (N) In Decimal:						28. Longitude (W) In Decimal:		
Degrees	Minutes		Seconds		Degrees	Minutes		Seconds
29	48		56		95	42		47
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)			32. Secondary NAICS Code (5 or 6 digits)		
4952			221320					
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)								
Treatment of municipal waste.								
34. Mailing Address:	Allen Boone Humphries Robinson LLP							
	3200 Southwest Freeway, Suite 2600							
	City	Houston	State	TX	ZIP	77027	ZIP + 4	
35. E-Mail Address:								
36. Telephone Number	37. Extension or Code		38. Fax Number (if applicable)					
(713) 860-6400			() -					

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

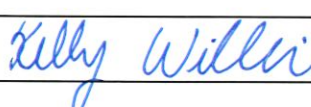
☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0011969-001			

SECTION IV: Preparer Information

40. Name:	Kelly Wilkinson	41. Title:	Senior Project Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(713) 462-3178		() -	KWilkinson@idseg.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:	IDS Engineering Group	Job Title:	Senior Project Manager
Name (In Print):	Kelly Wilkinson	Phone:	(713) 462- 3178
Signature:		Date:	5/16/2025



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

Section 1. Permitted or Proposed Flows (Instructions Page 42)

A. Existing/Interim I Phase

Design Flow (MGD): 2.00

2-Hr Peak Flow (MGD): 8.00

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

B. Interim II Phase

Design Flow (MGD): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

C. Final Phase

Design Flow (MGD): 2.00

2-Hr Peak Flow (MGD): 8.00

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

D. Current Operating Phase

Provide the startup date of the facility: 11/01/1987

Section 2. Treatment Process (Instructions Page 42)

A. Current Operating Phase

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

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

See Attachment No. 4

B. Treatment Units

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

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
See Attachment No. 5		

C. Process Flow Diagram

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

Attachment: 6

Section 3. Site Information and Drawing (Instructions Page 43)

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

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

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

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

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

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

Attachment: 7

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

See Attachment No.7

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

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
Mayde Creek Collection System	Mayde Creek MUD	Publicly Owned	Less than 10,000
Ricewood Collection System	Ricewood MUD	Publicly Owned	Less than 10,000
Clay Road Collection System	Clay Road MUD	Publicly Owned	Less than 10,000
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 44)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

N/A

Section 5. Closure Plans (Instructions Page 44)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

N/A

Section 6. Permit Specific Requirements (Instructions Page 44)

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

A. Summary transmittal

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

☒ Yes ☐ No

If **yes**, provide the date(s) of approval for each phase: January 1984

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

N/A

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

N/A

C. Other actions required by the current permit

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

☐ Yes ☒ No

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

N/A

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

☐ Yes ☒ No

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

2. Grit and grease processing

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

N/A

3. Grit disposal

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

☐ Yes ☒ No

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

Describe the method of grit disposal.

4. Grease and decanted liquid disposal

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

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

N/A

E. Stormwater management

1. Applicability

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

2. MSGP coverage

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

☒ Yes ☐ No

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

TXR05 CK52 or TXRNE

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

☐ Yes ☐ No

3. Conditional exclusion

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

☐ Yes ☒ No

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

N/A

4. Existing coverage in individual permit

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

☐ Yes ☒ No

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

N/A

5. Zero stormwater discharge

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

☐ Yes ☒ No

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

N/A

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

6. Request for coverage in individual permit

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

☐ Yes ☒ No

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

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

N/A

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the sludge, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

If **yes to any of the above**, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the septic waste, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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

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

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

☐ Yes ☒ No

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

N/A

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 49)

Is the facility in operation?

☒ Yes ☐ No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l	2.53		1	COMP	02/12 11:00
Total Suspended Solids, mg/l	1.68		1	COMP	02/14 11:17
Ammonia Nitrogen, mg/l	0.105		1	COMP	02/13 11:53
Nitrate Nitrogen, mg/l	<50.0		1	COMP	02/12 18:57
Total Kjeldahl Nitrogen, mg/l	<1.00		1	COMP	02/14 10:07
Sulfate, mg/l	56.0		1	COMP	02/12 18:57
Chloride, mg/l	90.6		1	COMP	02/14 00:43
Total Phosphorus, mg/l	0.168		1	COMP	02/17 18:08
pH, standard units	7.53		1	GRAB	02/12 08:45
Dissolved Oxygen*, mg/l	8.50		1	GRAB	02/12 08:45
Chlorine Residual, mg/l	0.01		1	GRAB	02/12 08:45
<i>E.coli</i> (CFU/100ml) freshwater	<1.00		1	GRAB	02/13 13:06
Enterococci (CFU/100ml) saltwater	1.00		1		02/13 13:04
Total Dissolved Solids, mg/l	314		1	COMP	02/14 16:21
Electrical Conductivity, μ mohs/cm, †	593		1	COMP	02/14 11:26
Oil & Grease, mg/l	<5.00		1	GRAB	02/18 09:04
Alkalinity (CaCO ₃)*, mg/l	50.5		1	COMP	02/14 11:26

*TPDES permits only

†TLAP permits only

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO ₃), mg/l					

Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: Inframark

Facility Operator's License Classification and Level: B Level

Facility Operator's License Number: WW0005525

Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 50)

A. WWTP's Sewage Sludge or Biosolids Management Facility Type

Check all that apply. See instructions for guidance

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

B. WWTP's Sewage Sludge or Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☒ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)

- ☒ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage (< 2 years)
- ☐ Long Term Storage (>= 2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process:

C. Sewage Sludge or Biosolids Management

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

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	Off-site Third-Party Handler or Preparer	Bulk		N/A: Disposal in Landfill	N/A: Disposal in Landfill
Other	Off-site Third-Party Handler or Preparer	Bulk		N/A: Transported to another facility for further processing	N/A: Transported to another facility for further processing

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

D. Disposal site

Disposal site name: Waste Management (Atascocita): Evergro (Compost)

TCEQ permit or registration number: 1307D: WQ0005244000

County where disposal site is located: Harris: Harris

E. Transportation method

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

Name of the hauler: Magna Flow

Hauler registration number: Magna Flow 21484

Sludge is transported as a:

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

Section 10. Permit Authorization for Sewage Sludge Disposal

(Instructions Page 52)

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

B. Sludge processing authorization

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

Sludge Composting ☐ Yes ☒ No

Marketing and Distribution of Biosolids ☐ Yes ☒ No

Sludge Surface Disposal or Sludge Monofill ☐ Yes ☒ No

Temporary storage in sludge lagoons ☐ Yes ☒ No

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

☐ Yes ☒ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

Attachment:

- USDA Natural Resources Conservation Service Soil Map:

Attachment:

- Federal Emergency Management Map:

Attachment:

- Site map:

Attachment:

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

- ☐ Overlap a designated 100-year frequency flood plain
- ☐ Soils with flooding classification
- ☐ Overlap an unstable area
- ☐ Wetlands
- ☐ Located less than 60 meters from a fault
- ☒ None of the above

Attachment: N/A

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

N/A

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: N/A

Total Kjeldahl Nitrogen, mg/kg: N/A

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

Phosphorus, mg/kg: N/A

Potassium, mg/kg: N/A

pH, standard units: N/A

Ammonia Nitrogen mg/kg: N/A

Arsenic: N/A

Cadmium: N/A

Chromium: N/A

Copper: N/A

Lead: N/A

Mercury: N/A

Molybdenum: N/A

Nickel: N/A

Selenium: N/A

Zinc: N/A

Total PCBs: N/A

Provide the following information:

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

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

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

C. Liner information

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

☐ Yes ☐ No

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

N/A

D. Site development plan

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

N/A

Attach the following documents to the application.

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

Attachment: N/A

- Copy of the closure plan

Attachment: N/A

- Copy of deed recordation for the site

Attachment: N/A

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

Attachment: N/A

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

Attachment: N/A

- Procedures to prevent the occurrence of nuisance conditions

Attachment: N/A

E. Groundwater monitoring

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

☐ Yes ☒ No

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

Attachment: N/A

**Section 12. Authorizations/Compliance/Enforcement (Instructions
Page 54)**

A. Additional authorizations

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

☐ Yes ☒ No

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

N/A

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

N/A

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

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

Attachment: N/A

Section 14. Laboratory Accreditation (Instructions Page 55)

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:

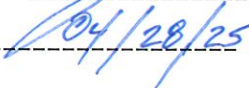
I certify that all laboratory tests submitted with this application meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*.

Printed Name: Cyrus Dumas

Title: President

Signature: _____

Date: _____

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 63)

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

☐ Yes ☒ No

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

Owner of the drinking water supply: N/A

Distance and direction to the intake: N/A

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

Attachment: N/A

Section 2. Discharge into Tidally Affected Waters (Instructions Page 63)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

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

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: N/A

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☒ No

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

N/A

C. Sea grasses

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

☐ Yes ☒ No

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

N/A

Section 3. Classified Segments (Instructions Page 63)

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

☐ Yes ☒ No

If **yes**, this Worksheet is complete.

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

Section 4. Description of Immediate Receiving Waters (Instructions Page 63)

Name of the immediate receiving waters: Harris County Flood Control District U 101-03-01

A. Receiving water type

Identify the appropriate description of the receiving waters.

☐ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres:

Average depth of the entire water body, in feet:

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

☒ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify:

B. Flow characteristics

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

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

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

☒ Perennial - normally flowing

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

☐ USGS flow records

☐ Historical observation by adjacent landowners

☒ Personal observation

☐ Other, specify:

C. Downstream perennial confluences

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

South Mayde Creek, Harris County Flood Control Ditch U101-03-01

D. Downstream characteristics

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

☒ Yes ☐ No

If yes, discuss how.

There is a weir approximately 225 feet downstream from the outfall. From here the channel is concrete lined for a portion. The channel ties to U101-03-01 approximately 3,500 feet downstream from the outfall.

E. Normal dry weather characteristics

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

Channel is deep with steep side slopes. Water is shallow and continuously flowing to the northeast as expected.

Date and time of observation: 05/07/2025 3:53

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

Section 5. General Characteristics of the Waterbody (Instructions Page 65)

A. Upstream influences

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

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

B. Waterbody uses

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

- | | |
|--|--|
| ☐ Livestock watering | ☐ Contact recreation |
| ☐ Irrigation withdrawal | ☐ Non-contact recreation |
| ☐ Fishing | ☐ Navigation |
| ☐ Domestic water supply | ☐ Industrial water supply |
| ☐ Park activities | ☒ Other(s), specify: <u>Flood Control Drainage Channel</u> |

C. Waterbody aesthetics

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.1: STREAM PHYSICAL CHARACTERISTICS

Required for new applications, major facilities, and applications adding an outfall.

Worksheet 2.1 is not required for discharges to intermittent streams or discharges directly to (or within 300 feet of) a classified segment.

Section 1. General Information (Instructions Page 65)

Date of study: 05/07/2025 Time of study: 3:53 PM

Stream name: Harris County Flood Control District No. U 101-03-01

Location: Mayde Creek Municipal Utility Wastewater Treatment Plant site.

Type of stream upstream of existing discharge or downstream of proposed discharge (check one).

☒ Perennial ☐ Intermittent with perennial pools

Section 2. Data Collection (Instructions Page 65)

Number of stream bends that are well defined: 1

Number of stream bends that are moderately defined:

Number of stream bends that are poorly defined:

Number of riffles: 1

Evidence of flow fluctuations (check one):

☒ Minor ☐ moderate ☐ severe

Indicate the observed stream uses and if there is evidence of flow fluctuations or channel obstruction/modification.

N/A

Stream transects

In the table below, provide the following information for each transect downstream of the existing or proposed discharges. Use a separate row for each transect.

Table 2.1(1) - Stream Transect Records

Stream type at transect Select riffle, run, glide, or pool. See Instructions, Definitions section.	Transect location	Water surface width (ft)	Stream depths (ft) at 4 to 10 points along each transect from the channel bed to the water surface. Separate the measurements with commas.
Run	0	14	1,2,3,2
Pool	200	12	1,3,4,2
Glide	300	15	1,3,3,1
Riffle	400	6	3,4,4,4
Pool	800	12	1,3,3,2
Glide	1,000	5	1,2,2,1
Pool	1,500	7	1,2,1,1
Glide	2,000	3	0.5,0.5,0.5,0.5
Pool	2,700	0	0,0,0,0
Choose an item.			

Section 3. Summarize Measurements (Instructions Page 65)

Streambed slope of entire reach, from USGS map in feet/feet: 0.0029

Approximate drainage area above the most downstream transect (from USGS map or county highway map, in square miles): 1.3

Length of stream evaluated, in feet: 2,700

Number of lateral transects made: 9

Average stream width, in feet: 8

Average stream depth, in feet: 1.75

Average stream velocity, in feet/second: 0.75

Instantaneous stream flow, in cubic feet/second:

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

Size of pools (large, small, moderate, none): small

Maximum pool depth, in feet: 4

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND DISPOSAL OF EFFLUENT

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

Section 1. Type of Disposal System (Instructions Page 67)

Identify the method of land disposal:

- | | |
|--|--|
| ☐ Surface application | ☐ Subsurface application |
| ☐ Irrigation | ☐ Subsurface soils absorption |
| ☐ Drip irrigation system | ☐ Subsurface area drip dispersal system |
| ☐ Evaporation | ☐ Evapotranspiration beds |
| ☒ Other (describe in detail): <u>N/A</u> | |

NOTE: All applicants without authorization or proposing new/amended subsurface disposal MUST complete and submit Worksheet 7.0.

For existing authorizations, provide Registration Number:

Section 2. Land Application Site(s) (Instructions Page 67)

In table 3.0(1), provide the requested information for the land application sites. Include the agricultural or cover crop type (wheat, cotton, alfalfa, bermuda grass, native grasses, etc.), land use (golf course, hayland, pastureland, park, row crop, etc.), irrigation area, amount of effluent applied, and whether or not the public has access to the area. Specify the amount of land area and the amount of effluent that will be allotted to each agricultural or cover crop, if more than one crop will be used.

Table 3.0(1) – Land Application Site Crops

Crop Type & Land Use	Irrigation Area (acres)	Effluent Application (GPD)	Public Access? Y/N

Section 3. Storage and Evaporation Lagoons/Ponds (Instructions Page 67)

Table 3.0(2) – Storage and Evaporation Ponds

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type

Attach a copy of a liner certification that was prepared, signed, and sealed by a Texas licensed professional engineer for each pond.

Attachment:

Section 4. Flood and Runoff Protection (Instructions Page 67)

Is the land application site within the 100-year frequency flood level?

☐ Yes ☒ No

If yes, describe how the site will be protected from inundation.

N/A

Provide the source used to determine the 100-year frequency flood level:

Provide a description of tailwater controls and rainfall run-on controls used for the land application site.

Section 5. Annual Cropping Plan (Instructions Page 67)

Attach an Annual Cropping Plan which includes a discussion of each of the following items. If not applicable, provide a detailed explanation indicating why. **Attachment:**

- Soils map with crops
- Cool and warm season plant species
- Crop yield goals
- Crop growing season
- Crop nutrient requirements
- Additional fertilizer requirements
- Minimum/maximum harvest height (for grass crops)
- Supplemental watering requirements
- Crop salt tolerances
- Harvesting method/number of harvests
- Justification for not removing existing vegetation to be irrigated

Section 6. Well and Map Information (Instructions Page 68)

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation indicating why. **Attachment:**

- The boundaries of the land application site(s)
- Waste disposal or treatment facility site(s)
- On-site buildings
- Buffer zones
- Effluent storage and tailwater control facilities
- All water wells within 1-mile radius of the disposal site or property boundaries
- All springs and seeps onsite and within 500 feet of the property boundaries
- All surface waters in the state onsite and within 500 feet of the property boundaries
- All faults and sinkholes onsite and within 500 feet of the property

List and cross reference all water wells located within a half-mile radius of the disposal site or property boundaries shown on the USGS map in the following table. Attach additional pages as necessary to include all of the wells.

Table 3.0(3) – Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	

If water quality data or well log information is available please include the information in an attachment listed by Well ID.

Attachment:

Section 7. Groundwater Quality (Instructions Page 68)

Attach a Groundwater Quality Technical Report which assesses the impact of the wastewater disposal system on groundwater. This report shall include an evaluation of the water wells (including the information in the well table provided in Item 6. above), the wastewater application rate, and pond liners. Indicate by a check mark that this report is provided.

Attachment:

Are groundwater monitoring wells available onsite? ☐ Yes ☐ No

Do you plan to install ground water monitoring wells or lysimeters around the land application site? ☐ Yes ☒ No

If **yes**, provide the proposed location of the monitoring wells or lysimeters on a site map.

Attachment:

Section 8. Soil Map and Soil Analyses (Instructions Page 69)

A. Soil map

Attach a USDA Soil Survey map that shows the area to be used for effluent disposal.

Attachment:

B. Soil analyses

Attach the laboratory results sheets from the soil analyses. **Note:** for renewal applications, the current annual soil analyses required by the permit are acceptable as long as the test date is less than one year prior to the submission of the application.

Attachment:

List all USDA designated soil series on the proposed land application site. Attach additional pages as necessary.

Table 3.0(4) – Soil Data

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number

Section 9. Effluent Monitoring Data (Instructions Page 70)

Is the facility in operation?

☐ Yes ☐ No

If no, this section is not applicable and the worksheet is complete.

If yes, provide the effluent monitoring data for the parameters regulated in the existing permit. If a parameter is not regulated in the existing permit, enter N/A.

Table 3.0(5) – Effluent Monitoring Data

[illegible]

Provide a discussion of all persistent excursions above the permitted limits and any corrective actions taken.

--

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 4.0: POLLUTANT ANALYSIS REQUIREMENTS

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

This worksheet is not required minor amendments without renewal.

Section 1. Toxic Pollutants (Instructions Page 76)

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

Grab ☒

Composite ☒

Date and time sample(s) collected: 02/11/2025 14:50, 02/12/2025 5:00, 02/12/2025 8:45

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	< 50		1	50
Aldrin	< 0.004		1	0.01
Aluminum	15.3		1	2.5
Anthracene	< 10.0		1	10
Antimony	< 5.00		1	5
Arsenic	2.74		1	0.5
Barium	40.1		1	3
Benzene	< 10.0		1	10
Benzidine	< 50.0		1	50
Benzo(a)anthracene	< 5.00		1	5
Benzo(a)pyrene	< 5.00		1	5
Bis(2-chloroethyl)ether	< 10.0		1	10
Bis(2-ethylhexyl)phthalate	< 10.0		1	10
Bromodichloromethane	11.7		1	10
Bromoform	< 10.0		1	10
Cadmium	< 1.00		1	1
Carbon Tetrachloride	< 2.0		1	2
Carbaryl	< 1.22		1	5
Chlordane*	< 0.100		1	0.2
Chlorobenzene	< 10.0		1	10
Chlorodibromomethane	< 10.0		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chloroform	44.8		1	10
Chlorpyrifos	< 0.0507		1	0.05
Chromium (Total)	< 6.00		1	3
Chromium (Tri) (*1)	< 0.00900		1	N/A
Chromium (Hex)	< 3.00		1	3
Copper	3.49		1	2
Chrysene	< 5.00		1	5
p-Chloro-m-Cresol	< 10.0		1	10
4,6-Dinitro-o-Cresol	< 50.0		1	50
p-Cresol	< 10.0		1	10
Cyanide (*2)	< 10.0		1	10
4,4'- DDD	< 0.002		1	0.1
4,4'- DDE	< 0.009		1	0.1
4,4'- DDT	< 0.004		1	0.02
2,4-D	< 0.700		1	0.7
Demeton (O and S)	< 0.203		1	0.20
Diazinon	< 0.507		1	0.5/0.1
1,2-Dibromoethane	< 10.0		1	10
m-Dichlorobenzene	< 10.0		1	10
o-Dichlorobenzene	< 10.0		1	10
p-Dichlorobenzene	< 10.0		1	10
3,3'-Dichlorobenzidine	< 5.0		1	5
1,2-Dichloroethane	< 10.0		1	10
1,1-Dichloroethylene	< 10.0		1	10
Dichloromethane	< 20.0		1	20
1,2-Dichloropropane	< 10.0		1	10
1,3-Dichloropropene	< 10.0		1	10
Dicofol	< 0.050		1	1
Dieldrin	< 0.005		1	0.02
2,4-Dimethylphenol	< 10.0		1	10
Di-n-Butyl Phthalate	< 10.0		1	10
Diuron	<0.0466			0.09
Endosulfan I (alpha)	< 0.007		1	0.01

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan II (beta)	< 0.004		1	0.02
Endosulfan Sulfate	< 0.005		1	0.1
Endrin	< 0.004		1	0.02
Epichlorohydrin	< 0.02300		1	---
Ethylbenzene	< 10.0		1	10
Ethylene Glycol	5.74		1	---
Fluoride	< 0.250		1	500
Guthion	< 0.101		1	0.1
Heptachlor	< 0.004		1	0.01
Heptachlor Epoxide	< 0.004		1	0.01
Hexachlorobenzene	< 5.00		1	5
Hexachlorobutadiene	< 10.0		1	10
Hexachlorocyclohexane (alpha)	< 0.003		1	0.05
Hexachlorocyclohexane (beta)	< 0.004		1	0.05
gamma-Hexachlorocyclohexane (Lindane)	< 0.004		1	0.05
Hexachlorocyclopentadiene	< 10.0		1	10
Hexachloroethane	< 20.0		1	20
Hexachlorophene	< 10.0		1	10
4,4'-Isopropylidenediphenol	< 10.0		1	1
Lead	< 0.500		1	0.5
Malathion	< 0.101		1	0.1
Mercury	< 0.00500		1	0.005
Methoxychlor	< 0.003		1	2
Methyl Ethyl Ketone	< 50.0		1	50
Methyl tert-butyl ether	N/A			---
Mirex	< 0.010		1	0.02
Nickel	< 2.00		1	2
Nitrate-Nitrogen	< 50.0		1	100
Nitrobenzene	< 10.0		1	10
N-Nitrosodiethylamine	< 20.0		1	20
N-Nitroso-di-n-Butylamine	< 20.0		1	20
Nonylphenol	< 333		1	333

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Parathion (ethyl)	< 0.101		1	0.1
Pentachlorobenzene	< 20.0		1	20
Pentachlorophenol	< 5.00		1	5
Phenanthrene	< 10.0		1	10
Polychlorinated Biphenyls (PCB's) (*3)	< 0.03		1	0.2
Pyridine	< 20.0		1	20
Selenium	< 5.00		1	5
Silver	< 0.500		1	0.5
1,2,4,5-Tetrachlorobenzene	< 10.0		1	20
1,1,2,2-Tetrachloroethane	< 10.0		1	10
Tetrachloroethylene	< 10.0		1	10
Thallium	< 0.500		1	0.5
Toluene	< 10.0		1	10
Toxaphene	< 0.100		1	0.3
2,4,5-TP (Silvex)	< 0.300		1	0.3
Tributyltin (see instructions for explanation)	N/A			0.01
1,1,1-Trichloroethane	< 10.0		1	10
1,1,2-Trichloroethane	< 10.0		1	10
Trichloroethylene	< 10.0		1	10
2,4,5-Trichlorophenol	< 10.0		1	50
TTHM (Total Trihalomethanes)	56.5		1	10
Vinyl Chloride	< 10.0		1	10
Zinc	38.0		1	5

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

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

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

Section 2. Priority Pollutants

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

Grab ☒ Composite ☒

Date and time sample(s) collected: 02/11/2025 14:50, 02/12/2025 5:00, 02/12/2025 8:45

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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Antimony	< 5.00		1	5
Arsenic	2.74		1	0.5
Beryllium	< 0.500		1	0.5
Cadmium	< 1.00		1	1
Chromium (Total)	< 6.00		1	3
Chromium (Hex)	< 3.00		1	3
Chromium (Tri) (*1)	< 0.00900		1	N/A
Copper	3.49		1	2
Lead	< 0.500		1	0.5
Mercury	< 0.005		1	0.005
Nickel	< 2.00		1	2
Selenium	< 5.00		1	5
Silver	< 0.500		1	0.5
Thallium	< 0.500		1	0.5
Zinc	38.0		1	5
Cyanide (*2)	< 10.0		1	10
Phenols, Total	< 10.0			10

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

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

Table 4.0(2)B – Volatile Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrolein	< 17.0		1	50
Acrylonitrile	< 50.0		1	50
Benzene	< 10.0		1	10
Bromoform	< 10.0		1	10
Carbon Tetrachloride	< 2.00		1	2
Chlorobenzene	< 10.0		1	10
Chlorodibromomethane	< 10.0		1	10
Chloroethane	< 50.0		1	50
2-Chloroethylvinyl Ether	< 10.0		1	10
Chloroform	44.8		1	10
Dichlorobromomethane [Bromodichloromethane]	11.7		1	10
1,1-Dichloroethane	< 10.0		1	10
1,2-Dichloroethane	< 10.0		1	10
1,1-Dichloroethylene	< 10.0		1	10
1,2-Dichloropropane	< 10.0		1	10
1,3-Dichloropropylene [1,3-Dichloropropene]	< 10.0		1	10
1,2-Trans-Dichloroethylene	< 10.0		1	10
Ethylbenzene	< 10.0		1	10
Methyl Bromide	< 50.0		1	50
Methyl Chloride	< 50.0		1	50
Methylene Chloride	< 20.0		1	20
1,1,2,2-Tetrachloroethane	< 10.0		1	10
Tetrachloroethylene	< 10.0		1	10
Toluene	< 10.0		1	10
1,1,1-Trichloroethane	< 10.0		1	10
1,1,2-Trichloroethane	< 10.0		1	10
Trichloroethylene	< 10.0		1	10
Vinyl Chloride	< 10.0		1	10

Table 4.0(2)C – Acid Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
2-Chlorophenol	< 10.0		1	10
2,4-Dichlorophenol	< 10.0		1	10
2,4-Dimethylphenol	< 10.0		1	10
4,6-Dinitro-o-Cresol	< 50.0		1	50
2,4-Dinitrophenol	< 50.0		1	50
2-Nitrophenol	< 20.0		1	20
4-Nitrophenol	< 50.0		1	50
P-Chloro-m-Cresol	< 10.0		1	10
Pentalchlorophenol	< 5.0		1	5
Phenol	< 10.0		1	10
2,4,6-Trichlorophenol	< 10.0		1	10

Table 4.0(2)D – Base/Neutral Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acenaphthene	< 10.0		1	10
Acenaphthylene	< 10.0		1	10
Anthracene	< 10.0		1	10
Benzidine	< 50.0		1	50
Benzo(a)Anthracene	< 5.0		1	5
Benzo(a)Pyrene	< 5.0		1	5
3,4-Benzofluoranthene	< 10.0		1	10
Benzo(ghi)Perylene	< 20.0		1	20
Benzo(k)Fluoranthene	< 5.0		1	5
Bis(2-Chloroethoxy)Methane	< 10.0		1	10
Bis(2-Chloroethyl)Ether	< 10.0		1	10
Bis(2-Chloroisopropyl)Ether	< 10.0		1	10
Bis(2-Ethylhexyl)Phthalate	< 10.0		1	10
4-Bromophenyl Phenyl Ether	< 10.0		1	10
Butyl benzyl Phthalate	< 10.0		1	10
2-Chloronaphthalene	< 10.0		1	10
4-Chlorophenyl phenyl ether	< 10.0		1	10
Chrysene	< 5.0		1	5
Dibenzo(a,h)Anthracene	< 5.0		1	5
1,2-(o)Dichlorobenzene	< 10.0		1	10
1,3-(m)Dichlorobenzene	< 10.0		1	10
1,4-(p)Dichlorobenzene	< 10.0		1	10
3,3-Dichlorobenzidine	< 5.0		1	5
Diethyl Phthalate	< 10.0		1	10
Dimethyl Phthalate	< 10.0		1	10
Di-n-Butyl Phthalate	< 10.0		1	10
2,4-Dinitrotoluene	< 10.0		1	10
2,6-Dinitrotoluene	< 10.0		1	10
Di-n-Octyl Phthalate	< 10.0		1	10
1,2-Diphenylhydrazine (as Azo-benzene)	< 20.0		1	20
Fluoranthene	< 10.0		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Fluorene	< 10.0		1	10
Hexachlorobenzene	< 5.0		1	5
Hexachlorobutadiene	< 10.0		1	10
Hexachlorocyclo-pentadiene	< 10.0		1	10
Hexachloroethane	< 10.0		1	20
Indeno(1,2,3-cd)pyrene	< 5.0		1	5
Isophorone	< 10.0		1	10
Naphthalene	< 10.0		1	10
Nitrobenzene	< 10.0		1	10
N-Nitrosodimethylamine	< 50.0		1	50
N-Nitrosodi-n-Propylamine	< 20.0		1	20
N-Nitrosodiphenylamine	< 20.0		1	20
Phenanthrene	< 10.0		1	10
Pyrene	< 10.0		1	10
1,2,4-Trichlorobenzene	< 10.0		1	10

Table 4.0(2)E - Pesticides

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Aldrin	< 0.004		1	0.01
alpha-BHC (Hexachlorocyclohexane)	< 0.003		1	0.05
beta-BHC (Hexachlorocyclohexane)	< 0.004		1	0.05
gamma-BHC (Hexachlorocyclohexane)	< 0.004		1	0.05
delta-BHC (Hexachlorocyclohexane)	< 0.006		1	0.05
Chlordane	< 0.100		1	0.2
4,4-DDT	< 0.004		1	0.02
4,4-DDE	< 0.009		1	0.1
4,4,-DDD	< 0.002		1	0.1
Dieldrin	< 0.005		1	0.02
Endosulfan I (alpha)	< 0.007		1	0.01
Endosulfan II (beta)	< 0.004		1	0.02
Endosulfan Sulfate	< 0.005		1	0.1
Endrin	< 0.004		1	0.02
Endrin Aldehyde	< 0.003		1	0.1
Heptachlor	< 0.004		1	0.01
Heptachlor Epoxide	< 0.004		1	0.01
PCB-1242	< 0.0017		1	0.2
PCB-1254	< 0.0047		1	0.2
PCB-1221	< 0.02		1	0.2
PCB-1232	< 0.0049		1	0.2
PCB-1248	< 0.01		1	0.2
PCB-1260	< 0.03		1	0.2
PCB-1016	< 0.03		1	0.2
Toxaphene	< 0.100		1	0.3

* For PCBs, if all are non-detects, enter the highest non-detect preceded by a "<".

Section 3. Dioxin/Furan Compounds

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

- ☐ 2,4,5-trichlorophenoxy acetic acid
Common Name 2,4,5-T, CASRN 93-76-5
- ☐ 2-(2,4,5-trichlorophenoxy) propanoic acid
Common Name Silvex or 2,4,5-TP, CASRN 93-72-1
- ☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate
Common Name Erbon, CASRN 136-25-4
- ☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate
Common Name Ronnel, CASRN 299-84-3
- ☐ 2,4,5-trichlorophenol
Common Name TCP, CASRN 95-95-4
- ☐ hexachlorophene
Common Name HCP, CASRN 70-30-4

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

N/A

B. Do you know or have any reason to believe that 2,3,7,8 Tetrachlorodibenzo-P-Dioxin (TCDD) or any congeners of TCDD may be present in your effluent?

☐ Yes ☒ No

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

N/A

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

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

Grab ☐ Composite ☐

Date and time sample(s) collected:

Table 4.0(2)F – Dioxin/Furan Compounds

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

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 5.0: TOXICITY TESTING REQUIREMENTS

The following **is required** for facilities with a current operating design flow of **1.0 MGD or greater**, with an EPA-approved **pretreatment** program (or those required to have one under 40 CFR Part 403), or are required to perform Whole Effluent Toxicity testing. See Page 86 of the instructions for further details.

This worksheet is not required minor amendments without renewal.

Section 1. Required Tests

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

7-day Chronic: 19

48-hour Acute: 24-hour Acute: 19

Section 2. Toxicity Reduction Evaluations (TREs)

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

☐ Yes ☒ No

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

N/A

Section 3. Summary of WET Tests

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

Table 5.0(1) Summary of WET Tests

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal

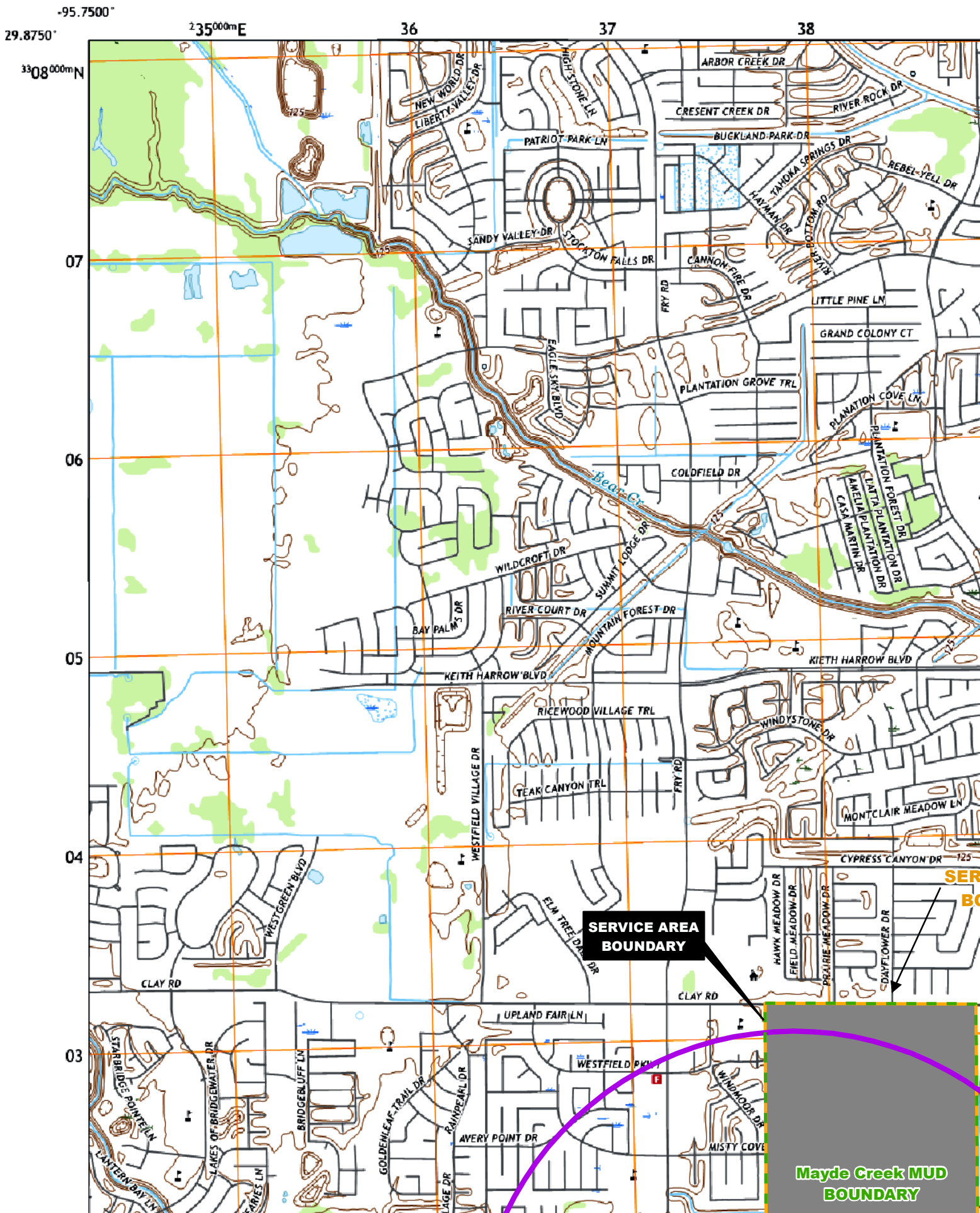
Attachments

Attachment No.

1. USGS 7.5' Quadrangle Maps (Admin. Rpt. 1.0, 13.)
2. USGS 7.5' Quadrangle Maps (Supplemental Permit Information Form, Item 5.)
3. Location Map (Supplemental Permit Information Form, Item 5.)
4. Description of Treatment Process (Tech. Rpt. 1.0, 3.A.)
5. Treatment Units (Tech. Rpt. 1.0, 3.B.)
6. Flow Diagrams (Tech. Rpt. 1.0, 3.C.)
7. Site Drawing (Tech. Rpt. 1.0, 4.)
8. Pollutant Analysis of Treated Effluent (Tech. Rpt. 1.0, 8.)
9. Plain Language Template (TCEQ 20972)
10. Supplemental Permit Information Form (SPIF)

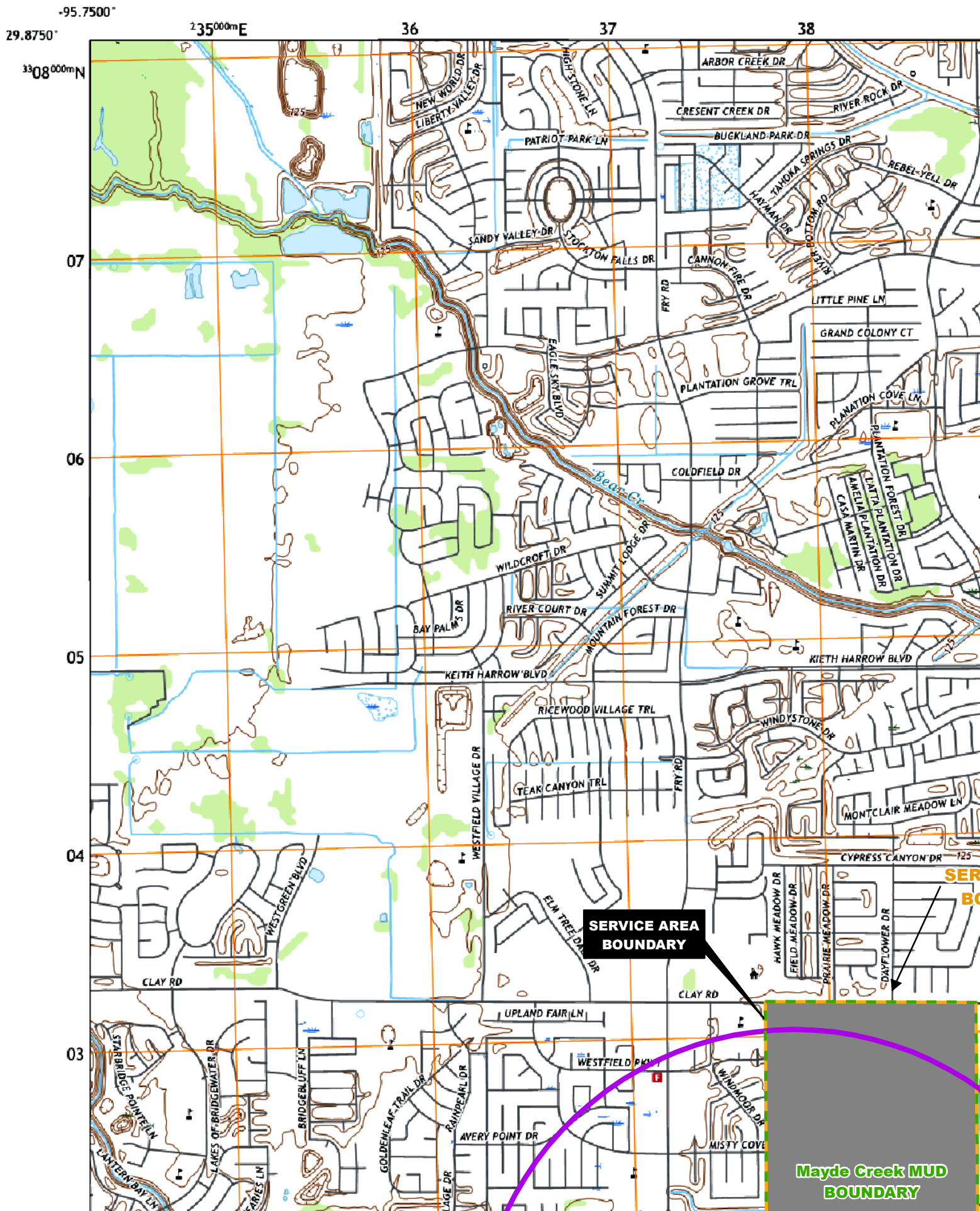
Attachment No. 1

**USGS 7.5' Quadrangle Maps
(Admin. Rpt. 1.0, 13.)**



Attachment No. 2

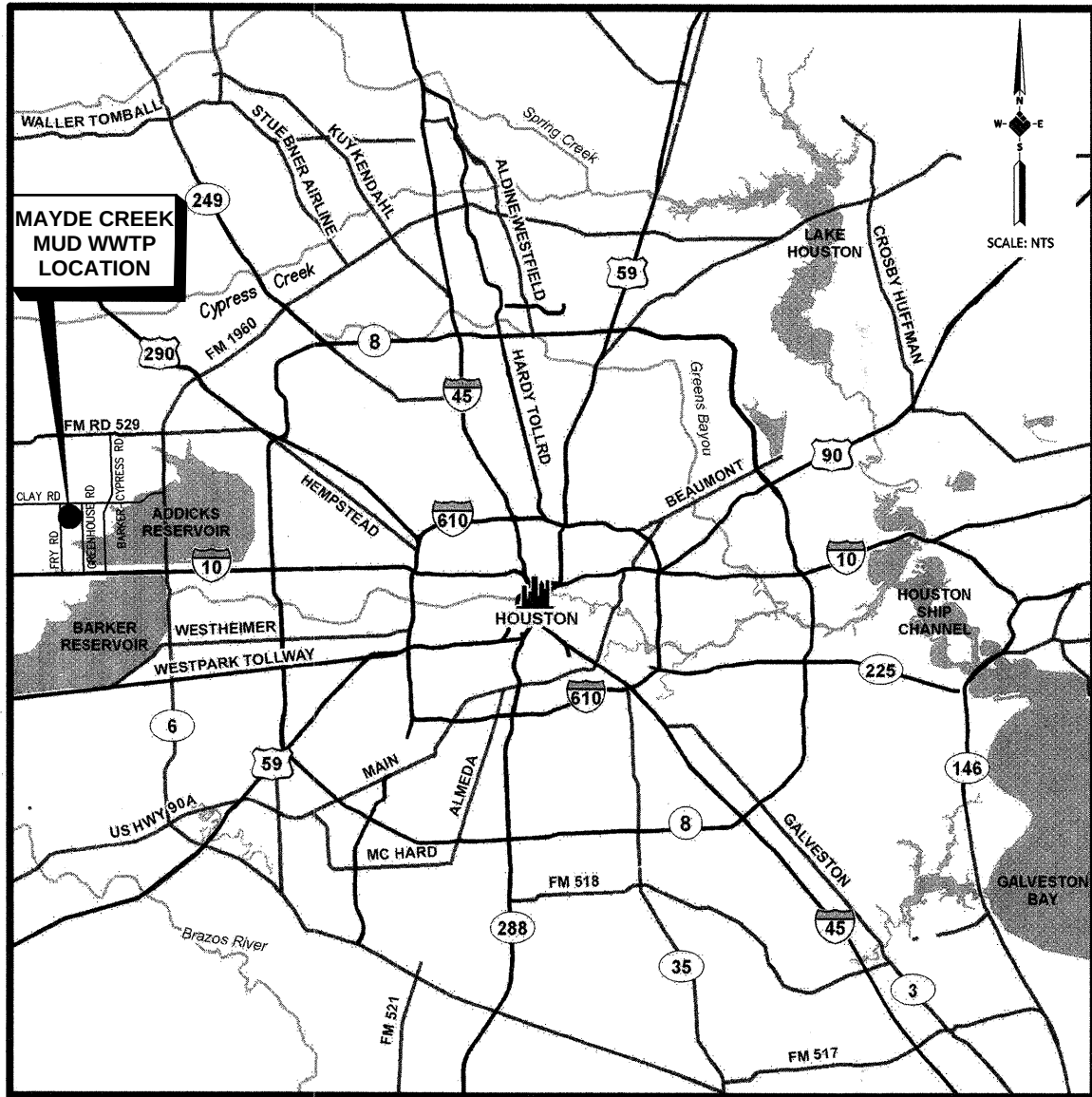
**USGS 7.5' Quadrangle Maps
(Supplemental Permit Information Form, Item 5.)**



Attachment No. 3

Location Map

(Supplemental Permit Information Form, Item 5.)



LOCATION MAP
N.T.S.

Attachment No. 4

**Description of Treatment Process
(Tech. Rpt. 1.0, 3.A.)**

Attachment No. 4

Technical Report 1.0

3. Treatment Process

a. Description

Existing Final Phase – 2.0 MGD: The activated sludge plant is operating in a complete mix activated sludge process. The plant is able to treat an average daily flow of 2.00 MGD with an 8.00 MGD peak flow (4Q). Plant influent is pumped from an onsite triplex lift station to the headworks which has an existing mechanical rotary drum fine screen equipped with an emergency overflow. From the headworks, the flow continues to seven (7) aeration basins having a total volume of 78,430 cf. Flow from the aeration basins is split between two (2) circular clarifiers. A 75 ft diameter clarifier and an 83 ft diameter clarifier having a total surface area of 9,828 sf. The clarifier underflow is returned to the headworks or wasted into eight (8) aerobic digester basins having a total volume of 58,058 cf. From the clarifier flow continues into a chlorine contact basin having a total volume of 17,904 cf. Flow exits the plant through a 24" pipe and thence into a 30" discharge pipe that transports treated effluent to Harris County Flood Control Ditch No. U101-03-00. Sludge is disposed of by a registered contract hauler.

Attachment No. 5

**Treatment Units
(Tech. Rpt. 1.0, 3. B.)**

ATTACHMENT NO. 5

Technical Report 1.0

3. Treatment Units

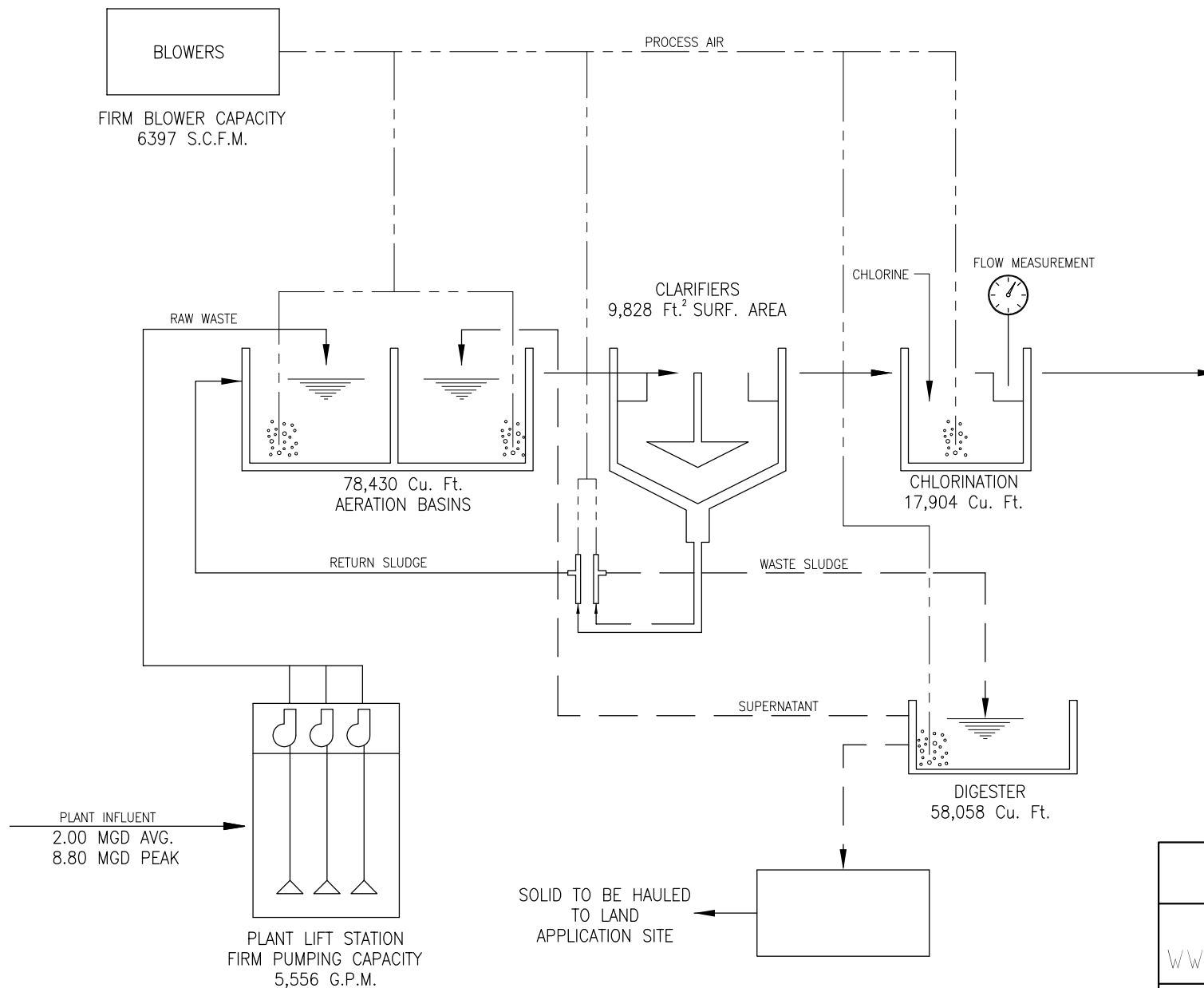
b. Dimensions

Existing Final Phase - 2.00 MGD					
		Length (ft)	Width (ft)	Height (ft)	Diameter (ft)
Aeration Basin	3 @	22	10	17	NA
	4 @	22	50	17	NA
Clarifier	1 @	NA	NA	11	75
	1 @	NA	NA	13	83
Aerobic Digesters	4 @	22	26	15.5	NA
	1 @	14	22	15.5	NA
	2 @	24.5	22	15.5	NA
	1 @	21.5	22	15.5	NA
Gravity Thickener	1 @	NA	NA	15	21
Chlorine Contact Basin	1 @	57	22	12.22	NA
	1 @	11	22	12.22	NA

Attachment No. 6

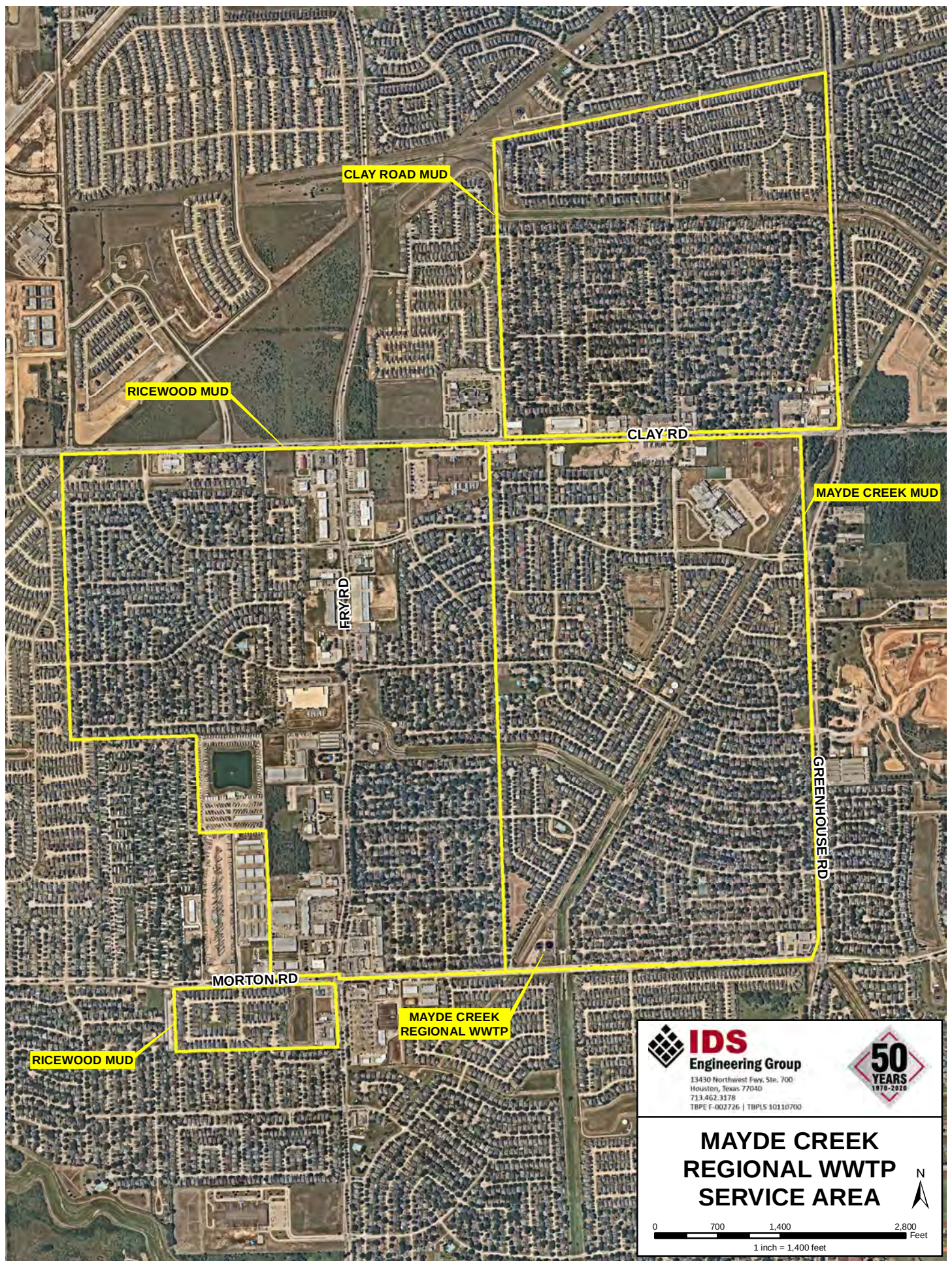
**Flow Diagrams
(Tech. Rpt. 1.0, 3.C.)**

MODE OF TREATMENT COMPLETE MIX ACTIVATED SLUDGE



Attachment No. 7

**Site Drawing
(Tech. Rpt. 1.0, 4)**



Attachment No. 8

**Pollutant Analysis of Treated Effluent
(Tech. Rpt. 1.0, 8)**



March 18, 2025

Laboratory Report

Dana Angelos
Inframark
32259 Morton Road
Brookshire, TX 77423

Report ID: 20250318110550RLR

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,

Rebecca Rabon
Assistant Project Manager



130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/18/2025 11:05

Sample Results

Client Sample ID: 18 Mohm DI

Lab Sample ID: 25B2274-01

Mayde Creek - Outfall 001 3 Part Grab Composite 1

[none]

Sample Matrix: Waste Water

Date Collected: 02/11/2025 14:50

Collected by: Michael Burns

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Metals, Total

EPA 1631E	Mercury	A	<0.00500U	ug/L	1	0.00250	0.00500	BIB2034	02/18/2025 12:15	TBB
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* A = Accredited, N = Not Accredited or Accreditation not available



130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/18/2025 11:05

Sample Results
(Continued)

Client Sample ID: Outfall 001 3 Part Grab

Lab Sample ID: 25B2274-02

Mayde Creek - Outfall 001 3 Part Grab Composite 1

[none]

Sample Matrix: Waste Water

Date Collected: 02/11/2025 14:50

Collected by: Michael Burns

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Metals, Total

EPA 1631E	Mercury	A	<0.00500U	ug/L	1	0.00250	0.00500	BIB2034	02/18/2025 12:20	TBB
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TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/18/2025 11:05

Sample Results
(Continued)

Client Sample ID: 18 Mohm DI Sample Matrix: Waste Water
Lab Sample ID: 25B2275-01 Date Collected: 02/11/2025 14:50
Mayde Creek - Outfall 001 3 Part Grab Composite 2 [none] Collected by: Michael Burns

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total										
EPA 1631E	Mercury	A	<0.00500U	ug/L	1	0.00250	0.00500	BIB2034	02/18/2025 12:24	TBB

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130 S. Trade Center Parkway, Conroe TX 77385
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Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/18/2025 11:05

Sample Results
(Continued)

Client Sample ID: Outfall 001 3 Part Grab

Lab Sample ID: 25B2275-02

Mayde Creek - Outfall 001 3 Part Grab Composite 2

[none]

Sample Matrix: Waste Water

Date Collected: 02/11/2025 14:50

Collected by: Michael Burns

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Metals, Total

EPA 1631E	Mercury	A	<0.00500U	ug/L	1	0.00250	0.00500	BIB2034	02/18/2025 12:29	TBB
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Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/18/2025 11:05

Sample Results
(Continued)

Client Sample ID: Outfall 001
Lab Sample ID: 25B2448-01
Mayde Creek - NP - Permit Renewal

[none]

Sample Matrix: Waste Water
Date Collected: 02/12/2025 8:45
Collected by: Fernando Alvarez

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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General Chemistry

SM 4500-CN ⁻ G	Amenable Cyanide	A	<10.0U	ug/L	1	5.00	10.0	BIB1951	02/17/2025 12:39	MLB
SM 4500-CN ⁻ C	Total Cyanide	A	<10.0U	ug/L	1	5.00	10.0	BIB1951	02/17/2025 12:39	MLB
EPA 1664A	n-Hexane Extractable Material (O&G)	A	<5.00U	mg/L	1	3.32	5.00	BIB2126	02/18/2025 09:04	IDC

Microbiology

Enterolert/ASTM D6503-99	Enterococci	A	1.00	MPN/100 mL	1	1.00	1.00	BIB1441	02/13/2025 13:04	JKB
SM 9223 B (Colilert Quanti-Tray)	Escherichia coli (E. coli)	A	<1.00U	MPN/100 mL	1	1.00	1.00	BIB1440	02/13/2025 13:06	JKB

Field

Hach 10360	DO Field	N	8.50	mg/L	1	1.00	1.00	BIB1999	02/12/2025 08:45	FCA
Calc	Flow Field	N	0.834	MGD	1	0.00	0.00	BIB1999	02/12/2025 08:45	CLNT
SM 4500-H+ B	pH	A	7.53	pH Units @ 25 °C	1	1.00	1.00	BIB1999	02/12/2025 08:45	FCA
SM 4500-Cl G	Total Residual Chlorine	A	0.01U	mg/L	1	0.25	0.25	BIB1999	02/12/2025 08:45	FCA

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Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/18/2025 11:05

Sample Results (Continued)

Client Sample ID: Outfall 001 Sampler
Lab Sample ID: 25B2448-02
Mayde Creek - NP - Permit Renewal

[none]

Sample Matrix: Waste Water
Date Collected: 02/12/2025 5:00
Collected by: Fernando Alvarez

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Semivolatile Organic Compounds by GCMS

ASTM D7065	Nonylphenol	N	<333 U	ug/L	2	6.00	333	BIB1821	02/21/2025 02:42	cdg
ASTM D7065	Surrogate: n-NP-surr		91.2%	60-140					02/21/2025 02:42	
EPA 625.1	3,3'-Dichlorobenzidine	A	<5.00 U	ug/L	1	3.87	5.00	BIB2226	02/20/2025 01:57	cdg
EPA 625.1	Benzidine	A	<50.0 U	ug/L	1	11.8	50.0	BIB2226	02/20/2025 01:57	cdg
EPA 625.1	Surrogate: 2-Fluorobiphenyl-surr		57.3%	32.2-138					02/20/2025 01:57	
EPA 625.1	Surrogate: Nitrobenzene-d5-surr		42.8%	31.2-136					02/20/2025 01:57	
EPA 625.1	Surrogate: p-Terphenyl-d14-surr		41.9%	37.6-117					02/20/2025 01:57	

Organics by GC

SM 6640 B	2,4-D	A	<0.700 U	ug/L	2	0.236	0.700	BIB1978	02/18/2025 23:24	KRB
SM 6640 B	Silvex (2,4,5-TP)	A	<0.300 U	ug/L	2	0.238	0.300	BIB1978	02/18/2025 23:24	KRB
SM 6640 B	Surrogate: DCAA-surr		143% S	70-130					02/18/2025 23:24	

Metals, Total

EPA 200.8	Aluminum	A	15.3	ug/L	1	0.167	5.00	BIB1697	02/18/2025 13:04	JKC
EPA 200.8	Antimony	A	<5.00 U	ug/L	1	0.0589	5.00	BIB1697	02/17/2025 11:18	ISS
EPA 200.8	Arsenic	A	2.74	ug/L	1	0.0468	0.500	BIB1697	02/19/2025 10:12	ISS
EPA 200.8	Barium	A	40.1	ug/L	1	0.0200	3.00	BIB1697	02/17/2025 11:18	ISS
EPA 200.8	Beryllium	A	<0.500 U	ug/L	1	0.0137	0.500	BIB1697	02/17/2025 11:18	ISS
EPA 200.8	Cadmium	A	<1.00 U	ug/L	1	0.00798	1.00	BIB1697	02/17/2025 11:18	ISS
EPA 200.8	Chromium	A	<6.00 U	ug/L	1	0.0839	6.00	BIB1697	02/17/2025 11:18	ISS
EPA 200.8	Copper	A	3.49	ug/L	1	0.182	2.50	BIB1697	02/18/2025 13:04	JKC
Calc	Chromium (III)		<0.00900	mg/L	1	8.39E-5	0.00900	[CALC]	02/17/2025 11:18	JLU
EPA 200.8	Lead	A	<0.500 U	ug/L	1	0.0120	0.500	BIB1697	02/17/2025 11:18	ISS
EPA 200.8	Nickel	A	<2.00 U	ug/L	1	0.0398	2.00	BIB1697	02/17/2025 11:18	ISS
EPA 200.8	Selenium	A	<5.00 U	ug/L	1	0.354	5.00	BIB1697	02/17/2025 11:18	ISS
EPA 200.8	Silver	A	<0.500 U	ug/L	1	0.00467	0.500	BIB1697	02/17/2025 11:18	ISS
EPA 200.8	Thallium	A	<0.500 U	ug/L	1	0.0617	0.500	BIB1697	02/17/2025 11:18	ISS
EPA 200.8	Zinc	A	38.0	ug/L	1	0.207	5.00	BIB1697	02/21/2025 09:58	JKC

Metals, Dissolved

SM 3500-Cr B	Chromium (VI)	A	<3.00 U, C-	ug/L	1		3.00	BIB1563	02/13/2025 14:51	JLU
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General Chemistry

SM 2320 B	Alkalinity as CaCO ₃	A	50.5	mg/L	1	10.0	10.0	BIB1754	02/14/2025 11:26	FPN
SM 5210 B	Carbonaceous BOD (CBOD)	A	2.53 FF	mg/L	1.2	2.40	2.40	BIB1532	02/18/2025 11:00	MAH
SM 2510 B	Conductivity	A	593	umhos/cm @ 25 °C	1	2.00	2.00	BIB1754	02/14/2025 11:26	FPN
EPA 350.1	Ammonia as N	A	0.105	mg/L	1	0.0140	0.0400	BIB1540	02/13/2025 11:53	AMM

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Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/18/2025 11:05

Sample Results (Continued)

Client Sample ID: Outfall 001 Sampler (Continued)

Sample Matrix: Waste Water

Lab Sample ID: 25B2448-02

Date Collected: 02/12/2025 5:00

Mayde Creek - NP - Permit Renewal

[none]

Collected by: Fernando Alvarez

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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General Chemistry (Continued)

EPA 300.0	Nitrite as N	A	<50.0U	ug/L	1	5.10	50.0	BIB1432	02/12/2025 18:57	AGZ
EPA 300.0	Sulfate	A	56.0	mg/L	1	0.0341	1.00	BIB1432	02/12/2025 18:57	AGZ
SM 2540 C	Residue-filterable (TDS)	A	314	mg/L	1	10.0	10.0	BIB1682	02/14/2025 16:21	BP
SM 4500-NH3 C	Total Kjeldahl Nitrogen - (TKN)	A	<1.00U	mg/L	1	0.100	1.00	BIB1690	02/14/2025 10:07	ENR
SM 2540 D	Residue-nonfilterable (TSS)	A	1.68	mg/L	1	1.00	1.00	BIB1633	02/14/2025 11:17	BP

* A = Accredited, N = Not Accredited or Accreditation not available



Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/18/2025 11:05

Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler

Sample Matrix: Waste Water

Lab Sample ID: 25B2448-02RE1

Date Collected: 02/12/2025 5:00

Mayde Creek - NP - Permit Renewal

[none]

Collected by: Fernando Alvarez

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
--------	---------	---	----------	-------	----	-----	-----	-------	----------	---------

Semivolatile Organic Compounds by GCMS

EPA 625.1	1,2,4,5-Tetrachlorobenzene (Rerun)	A	<10.0U	ug/L	1	0.0760	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	1,2,4-Trichlorobenzene (Rerun)	A	<10.0U	ug/L	1	0.0943	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	1,2-Diphenylhydrazine (Rerun)	A	<20.0U	ug/L	1	0.250	20.0	BIB2226	02/21/2025 23:38	CDG
EPA 625.1	2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun)	A	<10.0U	ug/L	1	0.129	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	2,4,5-Trichlorophenol (Rerun)	A	<10.0U	ug/L	1	0.210	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	2,4,6-Trichlorophenol (Rerun)	A	<10.0U	ug/L	1	0.385	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	2,4-Dichlorophenol (Rerun)	A	<10.0U	ug/L	1	0.256	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	2,4-Dimethylphenol (Rerun)	A	<10.0U	ug/L	1	0.294	10.0	BIB2226	02/21/2025 23:38	CDG
EPA 625.1	2,4-Dinitrophenol (Rerun)	A	<50.0U	ug/L	1	2.85	50.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	2,4-Dinitrotoluene (2,4-DNT) (Rerun)	A	<10.0U	ug/L	1	0.0530	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	2,6-Dinitrotoluene (2,6-DNT) (Rerun)	A	<10.0U	ug/L	1	0.584	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	2-Chloronaphthalene (Rerun)	A	<10.0U	ug/L	1	0.123	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	2-Chlorophenol (Rerun)	A	<10.0U	ug/L	1	0.147	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun)	A	<50.0U	ug/L	1	0.511	50.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	2-Nitrophenol (Rerun)	A	<20.0U	ug/L	1	0.218	20.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	3,4-Methylphenol (Rerun)	A	<10.0U	ug/L	1	0.462	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	4-Bromophenyl phenyl ether (BDE-3) (Rerun)	A	<10.0U	ug/L	1	0.0682	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	4-Chloro-3-methylphenol (Rerun)	A	<10.0U	ug/L	1	0.218	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	4-Chlorophenyl phenylether (Rerun)	A	<10.0U	ug/L	1	0.207	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	4-Nitrophenol (Rerun)	A	<50.0U	ug/L	1	2.40	50.0	BIB2226	02/21/2025 23:38	CDG
EPA 625.1	Acenaphthene (Rerun)	A	<10.0U	ug/L	1	0.0776	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Acenaphthylene (Rerun)	A	<10.0U	ug/L	1	0.0594	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Anthracene (Rerun)	A	<10.0U	ug/L	1	0.0532	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Benzo(a)anthracene (Rerun)	A	<5.00U	ug/L	1	0.0738	5.00	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Benzo(a)pyrene (Rerun)	A	<5.00U	ug/L	1	0.143	5.00	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	benzo(b&k)fluoranthene (Rerun)	A	<5.00U	ug/L	1	0.118	5.00	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Benzo(g,h,i)perylene (Rerun)	A	<20.0U	ug/L	1	0.112	20.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	bis(2-Chloroethoxy)methane (Rerun)	A	<10.0U	ug/L	1	0.112	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	bis(2-Chloroethyl) ether (Rerun)	A	<10.0U	ug/L	1	0.184	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Bis(2-ethylhexyl)phthalate (Rerun)	A	<10.0U	ug/L	1	0.500	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Butyl benzyl phthalate (Rerun)	A	<10.0U	ug/L	1	0.123	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Chrysene (Rerun)	A	<5.00U	ug/L	1	0.0573	5.00	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Dibenzo(a,h)anthracene (Rerun)	A	<5.00U	ug/L	1	0.152	5.00	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Diethyl phthalate (Rerun)	A	<10.0U	ug/L	1	0.150	10.0	BIB2226	02/21/2025 23:38	cdg

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Reported:
03/18/2025 11:05

Sample Results (Continued)

Client Sample ID: Outfall 001 Sampler (Continued)

Sample Matrix: Waste Water

Lab Sample ID: 25B2448-02RE1

Date Collected: 02/12/2025 5:00

Mayde Creek - NP - Permit Renewal

[none]

Collected by: Fernando Alvarez

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Semivolatile Organic Compounds by GCMS (Continued)

EPA 625.1	Dimethyl phthalate (Rerun)	A	<10.0U	ug/L	1	0.0869	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Di-n-butyl phthalate (Rerun)	A	<10.0U	ug/L	1	0.505	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Di-n-octyl phthalate (Rerun)	A	<10.0U	ug/L	1	0.163	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Fluoranthene (Rerun)	A	<10.0U	ug/L	1	0.0676	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Fluorene (Rerun)	A	<10.0U	ug/L	1	0.0589	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Hexachlorobenzene (Rerun)	A	<5.00U	ug/L	1	0.0629	5.00	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Hexachlorobutadiene (Rerun)	A	<10.0U	ug/L	1	0.0697	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Hexachlorocyclopentadiene (Rerun)	A	<10.0U	ug/L	1	0.250	10.0	BIB2226	02/21/2025 23:38	CDG
EPA 625.1	Hexachloroethane (Rerun)	A	<20.0U	ug/L	1	0.0644	20.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Hexachlorophene (Rerun)	A	<10.0U	ug/L	1	0.343	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Indeno(1,2,3-cd) pyrene (Rerun)	A	<5.00U	ug/L	1	0.126	5.00	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Isophorone (Rerun)	A	<10.0U	ug/L	1	0.0853	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Naphthalene (Rerun)	A	<10.0U	ug/L	1	0.0742	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Nitrobenzene (Rerun)	A	<10.0U	ug/L	1	0.118	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	n-Nitrosodiethylamine (Rerun)	A	<20.0U	ug/L	1	0.162	20.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	n-Nitrosodimethylamine (Rerun)	A	<50.0U	ug/L	1	1.24	50.0	BIB2226	02/21/2025 23:38	CDG
EPA 625.1	n-Nitroso-di-n-butylamine (Rerun)	A	<20.0U	ug/L	1	1.87	20.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	n-Nitrosodi-n-propylamine (Rerun)	A	<20.0U	ug/L	1	0.445	20.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	n-Nitrosodiphenylamine (Rerun)	A	<20.0U	ug/L	1	0.0609	20.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Pentachlorobenzene (Rerun)	A	<20.0U	ug/L	1	0.0514	20.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Pentachlorophenol (Rerun)	A	<5.00U	ug/L	1	0.437	5.00	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Phenanthrene (Rerun)	A	<10.0U	ug/L	1	0.0816	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Phenol, Total (Rerun)	A	<10.0U	ug/L	1	0.470	10.0	BIB2226	02/21/2025 23:38	CDG
EPA 625.1	Pyrene (Rerun)	A	<10.0U	ug/L	1	0.0848	10.0	BIB2226	02/21/2025 23:38	cdg
EPA 625.1	Pyridine (Rerun)	A	<20.0U	ug/L	1	4.40	20.0	BIB2226	02/21/2025 23:38	CDG
EPA 625.1	Surrogate: 2,4,6-Tribromophenol-surr (Rerun)		51.7%	33.6-139					02/21/2025 23:38	
EPA 625.1	Surrogate: 2-Fluorobiphenyl-surr (Rerun)		54.3%	32.2-138					02/21/2025 23:38	
EPA 625.1	Surrogate: 2-Fluorophenol-surr (Rerun)		80.5%	32.7-137					02/21/2025 23:38	
EPA 625.1	Surrogate: Nitrobenzene-d5-surr (Rerun)		99.7%	31.2-136					02/21/2025 23:38	
EPA 625.1	Surrogate: Phenol-d5-surr (Rerun)		72.4%	28.9-155					02/21/2025 23:38	
EPA 625.1	Surrogate: p-Terphenyl-d14-surr (Rerun)		53.3%	37.6-117					02/21/2025 23:38	

General Chemistry

EPA 300.0	Chloride (Rerun)	A	90.6	mg/L	10	0.345	10.0	BIB1681	02/14/2025 00:43	AGZ
EPA 300.0	Fluoride (Rerun)	A	<0.250 U	mg/L	1	0.0105	0.250	BIB1681	02/14/2025 00:23	AGZ
EPA 300.0	Nitrate as N (Rerun)	A	5190	ug/L	1	14.2	100	BIB1665	02/13/2025 15:07	AGZ
EPA 365.1	Total Phosphorus (Rerun)	A	0.168	mg/L	1	0.00586	0.0100	BIB1990	02/17/2025 18:08	GJG

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Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/18/2025 11:05

Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler

Sample Matrix: Waste Water

Lab Sample ID: 25B2448-02RE2

Date Collected: 02/12/2025 5:00

Mayde Creek - NP - Permit Renewal

[none]

Collected by: Fernando Alvarez

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Organics by GC

EPA 1657	Azinphos-methyl (Guthion) (Rerun)	A	<0.101 U	ug/L	1	0.0338	0.101	BIB2350	02/23/2025 00:38	cdg
EPA 1657	Chlorpyrifos (Rerun)	A	<0.0507 U, C+	ug/L	1	0.0261	0.0507	BIB2350	02/23/2025 00:38	cdg
EPA 1657	Demeton (Rerun)	A	<0.203 U, C+	ug/L	1	0.0131	0.203	BIB2350	02/23/2025 00:38	cdg
EPA 1657	Diazinon (Rerun)	A	<0.507 U, C+	ug/L	1	0.0326	0.507	BIB2350	02/23/2025 00:38	cdg
EPA 1657	Malathion (Rerun)	A	<0.101 U	ug/L	1	0.0135	0.101	BIB2350	02/23/2025 00:38	cdg
EPA 1657	Parathion, ethyl (Rerun)	A	<0.101 U, C+	ug/L	1	0.0210	0.101	BIB2350	02/23/2025 00:38	cdg
EPA 1657	Surrogate: Tributyl Phosphate-surr (Rerun)		102%	40-120					02/23/2025 00:38	
EPA 1657	Surrogate: Triphenyl Phosphate-surr (Rerun)		66.2%	40-120					02/23/2025 00:38	

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Inframark
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Brookshire, TX 77423

Reported:
03/18/2025 11:05

Sample Results
(Continued)

Client Sample ID: Outfall 001 3 Part Grab

Sample Matrix: Waste Water

Lab Sample ID: 25B2448-03

Date Collected: 02/12/2025 8:45

Mayde Creek - NP - Permit Renewal

[none]

Collected by: Fernando Alvarez

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Metals, Total

EPA 1631E	Mercury	A	<0.00500U	ug/L	1	0.00250	0.00500	BIB2034	02/18/2025 14:21	TBB
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Inframark
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Brookshire, TX 77423

Reported:
03/18/2025 11:05

Sample Results
(Continued)

Client Sample ID: Outfall 001 3 Part Grab Composite

Sample Matrix: Waste Water

Lab Sample ID: 25B2448-04

Date Collected: 02/12/2025 8:45

Mayde Creek - NP - Permit Renewal

[none]

Collected by: Fernando Alvarez

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Volatile Organic Compounds by GCMS

EPA 624.1	1,1,1-Trichloroethane	A	<10.0U	ug/L	1	0.622	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	1,1,2,2-Tetrachloroethane	A	<10.0U	ug/L	1	0.867	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	1,1,2-Trichloroethane	A	<10.0U	ug/L	1	0.789	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	1,1-Dichloroethane	A	<10.0U	ug/L	1	0.967	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	1,1-Dichloroethylene	A	<10.0U	ug/L	1	0.849	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	1,2-Dibromoethane (EDB, Ethylene dibromide)	A	<10.0U	ug/L	1	0.706	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	1,2-Dichlorobenzene (o-Dichlorobenzene)	A	<10.0U	ug/L	1	0.881	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	1,2-Dichloroethane (Ethylene dichloride)	A	<10.0U	ug/L	1	0.870	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	1,2-Dichloropropane	A	<10.0U	ug/L	1	0.854	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	1,3-Dichlorobenzene (m-Dichlorobenzene)	A	<10.0U	ug/L	1	0.717	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<10.0U	ug/L	1	0.641	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	2-Chloroethyl vinyl ether	A	<10.0U	ug/L	1	3.14	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Acrolein (Propenal)	A	<17.0U	ug/L	1	5.68	17.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Acrylonitrile	A	<50.0U	ug/L	1	1.60	50.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Benzene	A	<10.0U	ug/L	1	0.604	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Bromodichloromethane	A	11.7	ug/L	1	0.727	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Bromoform	A	<10.0U	ug/L	1	0.678	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Carbon tetrachloride	A	<2.00U	ug/L	1	0.500	2.00	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Chlorobenzene	A	<10.0U	ug/L	1	0.724	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Chlorodibromomethane	A	<10.0U	ug/L	1	0.802	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Chloroethane (Ethyl chloride)	A	<50.0U	ug/L	1	1.30	50.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Chloroform	A	44.8	ug/L	1	0.688	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	cis-1,3-Dichloropropene	A	<10.0U	ug/L	1	0.580	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Ethylbenzene	A	<10.0U	ug/L	1	0.727	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Methyl bromide (Bromomethane)	A	<50.0U	ug/L	1	1.42	50.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Methyl chloride (Chloromethane)	A	<50.0U	ug/L	1	0.765	50.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Methylene chloride (Dichloromethane)	A	<20.0U	ug/L	1	1.60	20.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Tetrachloroethylene (Perchloroethylene)	A	<10.0U	ug/L	1	0.703	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Toluene	A	<10.0U	ug/L	1	0.649	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Total Trihalomethanes (TTHMs)	A	56.5	ug/L	1	2.00	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	trans-1,2-Dichloroethylene	A	<10.0U	ug/L	1	0.899	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	trans-1,3-Dichloropropylene	A	<10.0U	ug/L	1	0.496	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Trichloroethene (Trichloroethylene)	A	<10.0U	ug/L	1	0.744	10.0	BIB1695	02/13/2025 16:36	DDB

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32259 Morton Road
Brookshire, TX 77423

Reported:
03/18/2025 11:05

Sample Results
(Continued)

Client Sample ID: Outfall 001 3 Part Grab Composite (Continued)

Sample Matrix: Waste Water

Lab Sample ID: 25B2448-04

Date Collected: 02/12/2025 8:45

Mayde Creek - NP - Permit Renewal

[none]

Collected by: Fernando Alvarez

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Volatile Organic Compounds by GCMS (Continued)

EPA 624.1	Vinyl chloride (Chloroethene)	A	<10.0U	ug/L	1	1.30	10.0	BIB1695	02/13/2025 16:36	DDB
EPA 624.1	Surrogate: 4-Bromofluorobenzene-surr	117%	70-130						02/13/2025 16:36	
EPA 624.1	Surrogate: 1,2-Dichloroethane-d4-surr	85.0%	70-130						02/13/2025 16:36	
EPA 624.1	Surrogate: Dibromofluoromethane-surr	88.7%	70-130						02/13/2025 16:36	
EPA 624.1	Surrogate: Toluene-d8-surr	95.8%	70-130						02/13/2025 16:36	

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Reported:
03/18/2025 11:05

Sample Results (Continued)

Client Sample ID: Outfall 001 3 Part Grab Composite

Sample Matrix: Waste Water

Lab Sample ID: 25B2448-04RE1

Date Collected: 02/12/2025 8:45

Mayde Creek - NP - Permit Renewal

[none]

Collected by: Fernando Alvarez

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Volatile Organic Compounds by GCMS

EPA 624.1	2-Butanone (Methyl ethyl ketone, MEK) (Rerun)	A	<50.0U	ug/L	1	7.38	50.0	BIB2080	02/22/2025 00:28	DDB
EPA 624.1	Surrogate: 4-Bromofluorobenzene-surr (Reru		109%	70-130					02/22/2025 00:28	
EPA 624.1	Surrogate: 1,2-Dichloroethane-d4-surr (Reru		103%	70-130					02/22/2025 00:28	
EPA 624.1	Surrogate: Dibromofluoromethane-surr (Reru		101%	70-130					02/22/2025 00:28	
EPA 624.1	Surrogate: Toluene-d8-surr (Rerun)		104%	70-130					02/22/2025 00:28	

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Reported:
03/18/2025 11:05

Sample Results
(Continued)

Client Sample ID: 18 Mohm DI
Lab Sample ID: 25B2448-05
Mayde Creek - NP - Permit Renewal

[none]

Sample Matrix: Waste Water
Date Collected: 02/12/2025 8:45
Collected by: Fernando Alvarez

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Metals, Total

EPA 1631E	Mercury	A	<0.00500U	ug/L	1	0.00250	0.00500	BIB2034	02/18/2025 14:16	TBB
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32259 Morton Road
Brookshire, TX 77423

Reported:
03/18/2025 11:05

Quality Control

Volatile Organic Compounds by GCMS

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1695 - EPA 624										
Blank (BIB1695-BLK1)					Prepared & Analyzed: 02/13/2025					
1,1,1-Trichloroethane	<10.0	U	10.0	ug/L						
1,1,2,2-Tetrachloroethane	<10.0	U	10.0	ug/L						
1,1,2-Trichloroethane	<10.0	U	10.0	ug/L						
1,1-Dichloroethane	<10.0	U	10.0	ug/L						
1,1-Dichloroethylene	<10.0	U	10.0	ug/L						
1,2-Dibromoethane (EDB, Ethylene dibromide)	<10.0	U	10.0	ug/L						
1,2-Dichlorobenzene (o-Dichlorobenzene)	<10.0	U	10.0	ug/L						
1,2-Dichloroethane (Ethylene dichloride)	<10.0	U	10.0	ug/L						
1,2-Dichloropropane	<10.0	U	10.0	ug/L						
1,3-Dichlorobenzene (m-Dichlorobenzene)	<10.0	U	10.0	ug/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<10.0	U	10.0	ug/L						
2-Butanone (Methyl ethyl ketone, MEK)	<50.0	U	50.0	ug/L						
2-Chloroethyl vinyl ether	<10.0	U	10.0	ug/L						
Acrolein (Propenal)	<17.0	U	17.0	ug/L						
Acrylonitrile	<50.0	U	50.0	ug/L						
Benzene	<10.0	U	10.0	ug/L						
Bromodichloromethane	<10.0	U	10.0	ug/L						
Bromoform	<10.0	U	10.0	ug/L						
Carbon tetrachloride	<2.00	U	2.00	ug/L						
Chlorobenzene	<10.0	U	10.0	ug/L						
Chlorodibromomethane	<10.0	U	10.0	ug/L						
Chloroethane (Ethyl chloride)	<50.0	U	50.0	ug/L						
Chloroform	<10.0	U	10.0	ug/L						
cis-1,3-Dichloropropene	<10.0	U	10.0	ug/L						
Ethylbenzene	<10.0	U	10.0	ug/L						
Methyl bromide (Bromomethane)	<50.0	U	50.0	ug/L						
Methyl chloride (Chloromethane)	<50.0	U	50.0	ug/L						
Methylene chloride (Dichloromethane)	<20.0	U	20.0	ug/L						
Tetrachloroethylene (Perchloroethylene)	<10.0	U	10.0	ug/L						
Toluene	<10.0	U	10.0	ug/L						
Total Trihalomethanes (TTHMs)	<10.0	U	10.0	ug/L						
trans-1,2-Dichloroethylene	<10.0	U	10.0	ug/L						
trans-1,3-Dichloropropylene	<10.0	U	10.0	ug/L						
Trichloroethene (Trichloroethylene)	<10.0	U	10.0	ug/L						
Vinyl chloride (Chloroethene)	<10.0	U	10.0	ug/L						
Surrogate: 4-Bromofluorobenzene-surr			56.8	ug/L	50.0		114	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			39.1	ug/L	50.0		78.2	70-130		
Surrogate: Dibromofluoromethane-surr			39.0	ug/L	50.0		78.0	70-130		
Surrogate: Toluene-d8-surr			47.8	ug/L	50.0		95.7	70-130		

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Reported:
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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1695 - EPA 624 (Continued)										
LCS (BIB1695-BS1)					Prepared & Analyzed: 02/13/2025					
1,1,1-Trichloroethane	43.9		10.0	ug/L	40.0		110	70-130		
1,1,2,2-Tetrachloroethane	36.3		10.0	ug/L	40.0		90.8	60-140		
1,1,2-Trichloroethane	40.0		10.0	ug/L	40.0		100	70-130		
1,1-Dichloroethane	46.2		10.0	ug/L	40.0		116	70-130		
1,1-Dichloroethylene	44.7		10.0	ug/L	40.0		112	50-150		
1,2-Dibromoethane (EDB, Ethylene dibromide)	39.8		10.0	ug/L	40.0		99.5	70-130		
1,2-Dichlorobenzene (o-Dichlorobenzene)	41.8		10.0	ug/L	40.0		104	65-135		
1,2-Dichloroethane (Ethylene dichloride)	42.3		10.0	ug/L	40.0		106	70-130		
1,2-Dichloropropane	39.4		10.0	ug/L	40.0		98.4	35-165		
1,3-Dichlorobenzene (m-Dichlorobenzene)	42.2		10.0	ug/L	40.0		106	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	41.7		10.0	ug/L	40.0		104	65-135		
2-Butanone (Methyl ethyl ketone, MEK)	285		50.0	ug/L	400		71.4	70-130		
2-Chloroethyl vinyl ether	31.0		10.0	ug/L	40.0		77.4	0-225		
Acrolein (Propenal)	172		50.0	ug/L	200		86.1	60-140		
Acrylonitrile	33.4	U	50.0	ug/L	40.0		83.4	60-140		
Benzene	43.3		10.0	ug/L	40.0		108	65-135		
Bromodichloromethane	38.7		10.0	ug/L	40.0		96.8	65-135		
Bromoform	38.6		10.0	ug/L	40.0		96.5	70-130		
Carbon tetrachloride	35.5		2.00	ug/L	40.0		88.8	70-130		
Chlorobenzene	41.8		10.0	ug/L	40.0		105	65-135		
Chlorodibromomethane	41.3		10.0	ug/L	40.0		103	70-135		
Chloroethane (Ethyl chloride)	45.3	U	50.0	ug/L	40.0		113	40-160		
Chloroform	43.8		10.0	ug/L	40.0		109	70-135		
cis-1,3-Dichloropropene	43.8		10.0	ug/L	40.0		110	25-175		
Ethylbenzene	43.0		10.0	ug/L	40.0		108	60-140		
Methyl bromide (Bromomethane)	41.8	U	50.0	ug/L	40.0		104	15-185		
Methyl chloride (Chloromethane)	44.1	U	50.0	ug/L	40.0		110	0-205		
Methylene chloride (Dichloromethane)	43.3		20.0	ug/L	40.0		108	60-140		
Tetrachloroethylene (Perchloroethylene)	41.8		10.0	ug/L	40.0		105	70-130		
Toluene	42.4		10.0	ug/L	40.0		106	70-130		
Total Trihalomethanes (TTHMs)	162		10.0	ug/L	160		102	70-130		
trans-1,2-Dichloroethylene	44.9		10.0	ug/L	40.0		112	70-130		
trans-1,3-Dichloropropylene	40.6		10.0	ug/L	40.0		101	50-150		
Trichloroethene (Trichloroethylene)	40.4		10.0	ug/L	40.0		101	65-135		
Vinyl chloride (Chloroethene)	42.5		10.0	ug/L	40.0		106	5-195		
Surrogate: 4-Bromofluorobenzene-surr			50.3	ug/L	50.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			58.4	ug/L	50.0		117	70-130		
Surrogate: Dibromofluoromethane-surr			62.6	ug/L	50.0		125	70-130		
Surrogate: Toluene-d8-surr			49.8	ug/L	50.0		99.5	70-130		

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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1695 - EPA 624 (Continued)										
LCS Dup (BIB1695-BSD1)					Prepared & Analyzed: 02/13/2025					
1,1,1-Trichloroethane	40.8		10.0	ug/L	40.0		102	70-130	7.27	36
1,1,2,2-Tetrachloroethane	37.0		10.0	ug/L	40.0		92.6	60-140	2.03	61
1,1,2-Trichloroethane	39.4		10.0	ug/L	40.0		98.6	70-130	1.38	45
1,1-Dichloroethane	45.2		10.0	ug/L	40.0		113	70-130	2.17	40
1,1-Dichloroethylene	42.9		10.0	ug/L	40.0		107	50-150	4.18	32
1,2-Dibromoethane (EDB, Ethylene dibromide)	39.7		10.0	ug/L	40.0		99.4	70-130	0.153	30
1,2-Dichlorobenzene (o-Dichlorobenzene)	36.9		10.0	ug/L	40.0		92.1	65-135	12.5	57
1,2-Dichloroethane (Ethylene dichloride)	42.3		10.0	ug/L	40.0		106	70-130	0.110	49
1,2-Dichloropropane	37.8		10.0	ug/L	40.0		94.5	35-165	4.06	55
1,3-Dichlorobenzene (m-Dichlorobenzene)	37.8		10.0	ug/L	40.0		94.4	70-130	11.2	43
1,4-Dichlorobenzene (p-Dichlorobenzene)	36.5		10.0	ug/L	40.0		91.2	65-135	13.4	57
2-Butanone (Methyl ethyl ketone, MEK)	296		50.0	ug/L	400		74.0	70-130	3.65	30
2-Chloroethyl vinyl ether	33.4		10.0	ug/L	40.0		83.5	0-225	7.67	71
Acrolein (Propenal)	170		50.0	ug/L	200		85.1	60-140	1.23	60
Acrylonitrile	35.6	U	50.0	ug/L	40.0		88.9	60-140	6.40	60
Benzene	40.4		10.0	ug/L	40.0		101	65-135	6.94	61
Bromodichloromethane	38.7		10.0	ug/L	40.0		96.8	65-135	0.0651	56
Bromoform	39.6		10.0	ug/L	40.0		98.9	70-130	2.41	42
Carbon tetrachloride	39.5		2.00	ug/L	40.0		98.8	70-130	10.6	41
Chlorobenzene	38.7		10.0	ug/L	40.0		96.8	65-135	7.76	53
Chlorodibromomethane	40.5		10.0	ug/L	40.0		101	70-135	2.01	50
Chloroethane (Ethyl chloride)	37.9	U	50.0	ug/L	40.0		94.8	40-160	17.7	78
Chloroform	43.4		10.0	ug/L	40.0		108	70-135	0.880	54
cis-1,3-Dichloropropene	39.2		10.0	ug/L	40.0		98.1	25-175	11.1	58
Ethylbenzene	40.2		10.0	ug/L	40.0		100	60-140	6.80	63
Methyl bromide (Bromomethane)	39.2	U	50.0	ug/L	40.0		98.0	15-185	6.30	61
Methyl chloride (Chloromethane)	37.9	U	50.0	ug/L	40.0		94.7	0-205	15.1	60
Methylene chloride (Dichloromethane)	40.8		20.0	ug/L	40.0		102	60-140	5.86	28
Tetrachloroethylene (Perchloroethylene)	38.7		10.0	ug/L	40.0		96.8	70-130	7.68	39
Toluene	39.3		10.0	ug/L	40.0		98.2	70-130	7.67	41
Total Trihalomethanes (TTHMs)	162		10.0	ug/L	160		101	70-130	0.179	30
trans-1,2-Dichloroethylene	41.5		10.0	ug/L	40.0		104	70-130	7.92	45
trans-1,3-Dichloropropylene	39.2		10.0	ug/L	40.0		98.1	50-150	3.34	86
Trichloroethene (Trichloroethylene)	38.2		10.0	ug/L	40.0		95.4	65-135	5.66	48
Vinyl chloride (Chloroethene)	35.2		10.0	ug/L	40.0		88.1	5-195	18.7	66
Surrogate: 4-Bromofluorobenzene-surr			46.5	ug/L	50.0		93.0	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			56.2	ug/L	50.0		112	70-130		
Surrogate: Dibromofluoromethane-surr	S		66.6	ug/L	50.0		133	70-130		
Surrogate: Toluene-d8-surr			49.8	ug/L	50.0		99.7	70-130		

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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1695 - EPA 624 (Continued)										
Matrix Spike (BIB1695-MS1)			Source: 25B2448-04			Prepared & Analyzed: 02/13/2025				
1,1,1-Trichloroethane	50.5		10.0	ug/L	50.0	<10.0	101	52-162		
1,1,2,2-Tetrachloroethane	45.6		10.0	ug/L	50.0	<10.0	91.2	46-157		
1,1,2-Trichloroethane	45.8		10.0	ug/L	50.0	<10.0	91.6	52-150		
1,1-Dichloroethane	51.8		10.0	ug/L	50.0	<10.0	104	59-155		
1,1-Dichloroethylene	52.4		10.0	ug/L	50.0	<10.0	105	0-234		
1,2-Dibromoethane (EDB, Ethylene dibromide)	45.7		10.0	ug/L	50.0	<10.0	91.4	70-130		
1,2-Dichlorobenzene (o-Dichlorobenzene)	52.2		10.0	ug/L	50.0	<10.0	104	18-190		
1,2-Dichloroethane (Ethylene dichloride)	51.0		10.0	ug/L	50.0	<10.0	102	49-155		
1,2-Dichloropropane	46.5		10.0	ug/L	50.0	<10.0	92.9	0-210		
1,3-Dichlorobenzene (m-Dichlorobenzene)	50.9		10.0	ug/L	50.0	<10.0	102	59-156		
1,4-Dichlorobenzene (p-Dichlorobenzene)	52.3		10.0	ug/L	50.0	<10.0	105	18-190		
2-Butanone (Methyl ethyl ketone, MEK)	340		50.0	ug/L	500	12.1	65.6	70-130		
2-Chloroethyl vinyl ether	38.5		10.0	ug/L	50.0	<10.0	76.9	0-305		
Acrolein (Propenal)	264		50.0	ug/L	250	<50.0	106	40-160		
Acrylonitrile	43.9	U	50.0	ug/L	50.0	<50.0	87.7	40-160		
Benzene	48.4		10.0	ug/L	50.0	<10.0	96.8	37-151		
Bromodichloromethane	54.6		10.0	ug/L	50.0	11.7	85.9	35-155		
Bromoform	50.2		10.0	ug/L	50.0	<10.0	100	45-169		
Carbon tetrachloride	43.9		2.00	ug/L	50.0	<2.00	87.8	70-140		
Chlorobenzene	49.5		10.0	ug/L	50.0	<10.0	99.1	37-160		
Chlorodibromomethane	46.6		10.0	ug/L	50.0	<10.0	93.3	53-149		
Chloroethane (Ethyl chloride)	46.3	U	50.0	ug/L	50.0	<50.0	92.7	14-230		
Chloroform	82.9		10.0	ug/L	50.0	44.8	76.3	51-138		
cis-1,3-Dichloropropene	47.7		10.0	ug/L	50.0	<10.0	95.5	0-227		
Ethylbenzene	53.0		10.0	ug/L	50.0	<10.0	106	37-162		
Methyl bromide (Bromomethane)	44.8	U	50.0	ug/L	50.0	<50.0	89.7	0-242		
Methyl chloride (Chloromethane)	45.0	U	50.0	ug/L	50.0	<50.0	89.9	0-273		
Methylene chloride (Dichloromethane)	47.4		20.0	ug/L	50.0	<20.0	94.8	0-221		
Tetrachloroethylene (Perchloroethylene)	47.1		10.0	ug/L	50.0	<10.0	94.2	64-148		
Toluene	48.1		10.0	ug/L	50.0	<10.0	96.1	47-150		
Total Trihalomethanes (TTHMs)	234		10.0	ug/L	200	56.5	89.0	70-130		
trans-1,2-Dichloroethylene	50.9		10.0	ug/L	50.0	<10.0	102	54-156		
trans-1,3-Dichloropropylene	44.3		10.0	ug/L	50.0	<10.0	88.5	17-183		
Trichloroethene (Trichloroethylene)	46.8		10.0	ug/L	50.0	<10.0	93.6	70-157		
Vinyl chloride (Chloroethene)	50.3		10.0	ug/L	50.0	<10.0	101	0-251		
Surrogate: 4-Bromofluorobenzene-surr			49.9	ug/L	50.0		99.8	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			56.9	ug/L	50.0		114	70-130		
Surrogate: Dibromofluoromethane-surr			62.2	ug/L	50.0		124	70-130		
Surrogate: Toluene-d8-surr			51.0	ug/L	50.0		102	70-130		

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Quality Control (Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1695 - EPA 624 (Continued)										
Matrix Spike Dup (BIB1695-MSD1)			Source: 25B2448-04			Prepared & Analyzed: 02/13/2025				
1,1,1-Trichloroethane	54.7		10.0	ug/L	50.0	<10.0	109	52-162	8.00	36
1,1,2,2-Tetrachloroethane	42.9		10.0	ug/L	50.0	<10.0	85.8	46-157	6.07	61
1,1,2-Trichloroethane	47.9		10.0	ug/L	50.0	<10.0	95.8	52-150	4.58	45
1,1-Dichloroethane	57.5		10.0	ug/L	50.0	<10.0	115	59-155	10.5	40
1,1-Dichloroethylene	57.4		10.0	ug/L	50.0	<10.0	115	0-234	9.14	32
1,2-Dibromoethane (EDB, Ethylene dibromide)	49.9		10.0	ug/L	50.0	<10.0	99.8	70-130	8.85	30
1,2-Dichlorobenzene (o-Dichlorobenzene)	50.0		10.0	ug/L	50.0	<10.0	99.9	18-190	4.44	57
1,2-Dichloroethane (Ethylene dichloride)	57.1		10.0	ug/L	50.0	<10.0	114	49-155	11.4	49
1,2-Dichloropropane	50.2		10.0	ug/L	50.0	<10.0	100	0-210	7.67	55
1,3-Dichlorobenzene (m-Dichlorobenzene)	50.1		10.0	ug/L	50.0	<10.0	100	59-156	1.68	43
1,4-Dichlorobenzene (p-Dichlorobenzene)	50.5		10.0	ug/L	50.0	<10.0	101	18-190	3.51	57
2-Butanone (Methyl ethyl ketone, MEK)	385		50.0	ug/L	500	12.1	74.5	70-130	12.3	30
2-Chloroethyl vinyl ether	44.3		10.0	ug/L	50.0	<10.0	88.5	0-305	14.0	71
Acrolein (Propenal)	262		50.0	ug/L	250	<50.0	105	40-160	1.01	60
Acrylonitrile	51.7		50.0	ug/L	50.0	<50.0	103	40-160	16.4	60
Benzene	51.9		10.0	ug/L	50.0	<10.0	104	37-151	7.00	61
Bromodichloromethane	60.6		10.0	ug/L	50.0	11.7	97.8	35-155	10.4	56
Bromoform	45.9		10.0	ug/L	50.0	<10.0	91.7	45-169	9.05	42
Carbon tetrachloride	54.0		2.00	ug/L	50.0	<2.00	108	70-140	20.6	41
Chlorobenzene	49.5		10.0	ug/L	50.0	<10.0	99.1	37-160	0.00321	53
Chlorodibromomethane	52.5		10.0	ug/L	50.0	<10.0	105	53-149	11.8	50
Chloroethane (Ethyl chloride)	54.4		50.0	ug/L	50.0	<50.0	109	14-230	16.1	78
Chloroform	91.6		10.0	ug/L	50.0	44.8	93.6	51-138	9.93	54
cis-1,3-Dichloropropene	50.7		10.0	ug/L	50.0	<10.0	101	0-227	5.91	58
Ethylbenzene	52.0		10.0	ug/L	50.0	<10.0	104	37-162	1.85	63
Methyl bromide (Bromomethane)	52.8		50.0	ug/L	50.0	<50.0	106	0-242	16.2	61
Methyl chloride (Chloromethane)	51.9		50.0	ug/L	50.0	<50.0	104	0-273	14.4	60
Methylene chloride (Dichloromethane)	52.4		20.0	ug/L	50.0	<20.0	105	0-221	10.0	28
Tetrachloroethylene (Perchloroethylene)	51.6		10.0	ug/L	50.0	<10.0	103	64-148	9.16	39
Toluene	53.0		10.0	ug/L	50.0	<10.0	106	47-150	9.72	41
Total Trihalomethanes (TTHMs)	251		10.0	ug/L	200	56.5	97.0	70-130	6.66	30
trans-1,2-Dichloroethylene	57.0		10.0	ug/L	50.0	<10.0	114	54-156	11.4	45
trans-1,3-Dichloropropylene	48.4		10.0	ug/L	50.0	<10.0	96.9	17-183	8.98	86
Trichloroethene (Trichloroethylene)	49.2		10.0	ug/L	50.0	<10.0	98.5	70-157	5.10	48
Vinyl chloride (Chloroethene)	53.7		10.0	ug/L	50.0	<10.0	107	0-251	6.39	66
Surrogate: 4-Bromofluorobenzene-surr			50.1	ug/L	50.0		100	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr	S		65.5	ug/L	50.0		131	70-130		
Surrogate: Dibromofluoromethane-surr	S		77.9	ug/L	50.0		156	70-130		
Surrogate: Toluene-d8-surr			49.6	ug/L	50.0		99.2	70-130		

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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2080 - EPA 624										
Blank (BIB2080-BLK1)					Prepared & Analyzed: 02/21/2025					
1,1,1-Trichloroethane	<10.0	U	10.0	ug/L						
1,1,2,2-Tetrachloroethane	<10.0	U	10.0	ug/L						
1,1,2-Trichloroethane	<10.0	U	10.0	ug/L						
1,1-Dichloroethane	<10.0	U	10.0	ug/L						
1,1-Dichloroethylene	<10.0	U	10.0	ug/L						
1,2-Dibromoethane (EDB, Ethylene dibromide)	<10.0	U	10.0	ug/L						
1,2-Dichlorobenzene (o-Dichlorobenzene)	<10.0	U	10.0	ug/L						
1,2-Dichloroethane (Ethylene dichloride)	<10.0	U	10.0	ug/L						
1,2-Dichloropropane	<10.0	U	10.0	ug/L						
1,3-Dichlorobenzene (m-Dichlorobenzene)	<10.0	U	10.0	ug/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<10.0	U	10.0	ug/L						
2-Butanone (Methyl ethyl ketone, MEK)	<50.0	U	50.0	ug/L						
2-Chloroethyl vinyl ether	<10.0	U	10.0	ug/L						
Acrolein (Propenal)	<17.0	U	17.0	ug/L						
Acrylonitrile	<50.0	U	50.0	ug/L						
Benzene	<10.0	U	10.0	ug/L						
Bromodichloromethane	<10.0	U	10.0	ug/L						
Bromoform	<10.0	U	10.0	ug/L						
Carbon tetrachloride	<2.00	U	2.00	ug/L						
Chlorobenzene	<10.0	U	10.0	ug/L						
Chlorodibromomethane	<10.0	U	10.0	ug/L						
Chloroethane (Ethyl chloride)	<50.0	U	50.0	ug/L						
Chloroform	<10.0	U	10.0	ug/L						
cis-1,3-Dichloropropene	<10.0	U	10.0	ug/L						
Ethylbenzene	<10.0	U	10.0	ug/L						
Methyl bromide (Bromomethane)	<50.0	U	50.0	ug/L						
Methyl chloride (Chloromethane)	<50.0	U	50.0	ug/L						
Methylene chloride (Dichloromethane)	<20.0	U	20.0	ug/L						
Tetrachloroethylene (Perchloroethylene)	<10.0	U	10.0	ug/L						
Toluene	<10.0	U	10.0	ug/L						
Total Trihalomethanes (TTHMs)	<10.0	U	10.0	ug/L						
trans-1,2-Dichloroethylene	<10.0	U	10.0	ug/L						
trans-1,3-Dichloropropylene	<10.0	U	10.0	ug/L						
Trichloroethene (Trichloroethylene)	<10.0	U	10.0	ug/L						
Vinyl chloride (Chloroethene)	<10.0	U	10.0	ug/L						
Surrogate: 4-Bromofluorobenzene-surr			54.5	ug/L	50.0		109	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			51.0	ug/L	50.0		102	70-130		
Surrogate: Dibromofluoromethane-surr			50.8	ug/L	50.0		102	70-130		
Surrogate: Toluene-d8-surr			52.2	ug/L	50.0		104	70-130		

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Quality Control (Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2080 - EPA 624 (Continued)										
LCS (BIB2080-BS1)					Prepared & Analyzed: 02/21/2025					
1,1,1-Trichloroethane	37.9		10.0	ug/L	40.0		94.7	70-130		
1,1,2,2-Tetrachloroethane	39.0		10.0	ug/L	40.0		97.4	60-140		
1,1,2-Trichloroethane	39.0		10.0	ug/L	40.0		97.4	70-130		
1,1-Dichloroethane	37.2		10.0	ug/L	40.0		93.1	70-130		
1,1-Dichloroethylene	38.5		10.0	ug/L	40.0		96.3	50-150		
1,2-Dibromoethane (EDB, Ethylene dibromide)	37.5		10.0	ug/L	40.0		93.9	70-130		
1,2-Dichlorobenzene (o-Dichlorobenzene)	37.1		10.0	ug/L	40.0		92.7	65-135		
1,2-Dichloroethane (Ethylene dichloride)	38.1		10.0	ug/L	40.0		95.3	70-130		
1,2-Dichloropropane	38.8		10.0	ug/L	40.0		97.1	35-165		
1,3-Dichlorobenzene (m-Dichlorobenzene)	37.0		10.0	ug/L	40.0		92.4	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	36.5		10.0	ug/L	40.0		91.2	65-135		
2-Butanone (Methyl ethyl ketone, MEK)	386		50.0	ug/L	400		96.5	70-130		
2-Chloroethyl vinyl ether	21.7		10.0	ug/L	40.0		54.3	0-225		
Acrolein (Propenal)	215		50.0	ug/L	200		107	60-140		
Acrylonitrile	41.7	U	50.0	ug/L	40.0		104	60-140		
Benzene	39.0		10.0	ug/L	40.0		97.6	65-135		
Bromodichloromethane	38.0		10.0	ug/L	40.0		95.0	65-135		
Bromoform	37.4		10.0	ug/L	40.0		93.6	70-130		
Carbon tetrachloride	38.0		2.00	ug/L	40.0		95.1	70-130		
Chlorobenzene	38.1		10.0	ug/L	40.0		95.2	65-135		
Chlorodibromomethane	37.8		10.0	ug/L	40.0		94.6	70-135		
Chloroethane (Ethyl chloride)	39.1	U	50.0	ug/L	40.0		97.8	40-160		
Chloroform	37.0		10.0	ug/L	40.0		92.5	70-135		
cis-1,3-Dichloropropene	38.4		10.0	ug/L	40.0		95.9	25-175		
Ethylbenzene	38.7		10.0	ug/L	40.0		96.8	60-140		
Methyl bromide (Bromomethane)	38.7	U	50.0	ug/L	40.0		96.7	15-185		
Methyl chloride (Chloromethane)	36.1	U	50.0	ug/L	40.0		90.2	0-205		
Methylene chloride (Dichloromethane)	37.9		20.0	ug/L	40.0		94.7	60-140		
Tetrachloroethylene (Perchloroethylene)	46.9		10.0	ug/L	40.0		117	70-130		
Toluene	38.1		10.0	ug/L	40.0		95.1	70-130		
Total Trihalomethanes (TTHMs)	150		10.0	ug/L	160		93.9	70-130		
trans-1,2-Dichloroethylene	37.0		10.0	ug/L	40.0		92.6	70-130		
trans-1,3-Dichloropropylene	37.3		10.0	ug/L	40.0		93.3	50-150		
Trichloroethene (Trichloroethylene)	38.8		10.0	ug/L	40.0		97.1	65-135		
Vinyl chloride (Chloroethene)	37.2		10.0	ug/L	40.0		93.0	5-195		
Surrogate: 4-Bromofluorobenzene-surr			47.4	ug/L	50.0		94.8	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			49.0	ug/L	50.0		98.1	70-130		
Surrogate: Dibromofluoromethane-surr			46.9	ug/L	50.0		93.9	70-130		
Surrogate: Toluene-d8-surr			50.2	ug/L	50.0		100	70-130		

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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2080 - EPA 624 (Continued)										
LCS Dup (BIB2080-BSD1)					Prepared & Analyzed: 02/21/2025					
1,1,1-Trichloroethane	38.4		10.0	ug/L	40.0		96.0	70-130	1.43	36
1,1,2,2-Tetrachloroethane	40.2		10.0	ug/L	40.0		101	60-140	3.13	61
1,1,2-Trichloroethane	40.0		10.0	ug/L	40.0		99.9	70-130	2.51	45
1,1-Dichloroethane	37.5		10.0	ug/L	40.0		93.6	70-130	0.567	40
1,1-Dichloroethylene	39.3		10.0	ug/L	40.0		98.1	50-150	1.93	32
1,2-Dibromoethane (EDB, Ethylene dibromide)	38.3		10.0	ug/L	40.0		95.7	70-130	1.92	30
1,2-Dichlorobenzene (o-Dichlorobenzene)	39.4		10.0	ug/L	40.0		98.5	65-135	6.07	57
1,2-Dichloroethane (Ethylene dichloride)	38.1		10.0	ug/L	40.0		95.3	70-130	0.000710	49
1,2-Dichloropropane	39.0		10.0	ug/L	40.0		97.5	35-165	0.413	55
1,3-Dichlorobenzene (m-Dichlorobenzene)	39.3		10.0	ug/L	40.0		98.3	70-130	6.14	43
1,4-Dichlorobenzene (p-Dichlorobenzene)	39.2		10.0	ug/L	40.0		98.0	65-135	7.19	57
2-Butanone (Methyl ethyl ketone, MEK)	383		50.0	ug/L	400		95.8	70-130	0.690	30
2-Chloroethyl vinyl ether	20.9		10.0	ug/L	40.0		52.2	0-225	4.07	71
Acrolein (Propenal)	231		50.0	ug/L	200		116	60-140	7.32	60
Acrylonitrile	41.3	U	50.0	ug/L	40.0		103	60-140	0.950	60
Benzene	39.9		10.0	ug/L	40.0		99.8	65-135	2.27	61
Bromodichloromethane	38.8		10.0	ug/L	40.0		96.9	65-135	1.97	56
Bromoform	38.1		10.0	ug/L	40.0		95.2	70-130	1.73	42
Carbon tetrachloride	38.5		2.00	ug/L	40.0		96.3	70-130	1.29	41
Chlorobenzene	39.9		10.0	ug/L	40.0		99.8	65-135	4.66	53
Chlorodibromomethane	38.0		10.0	ug/L	40.0		94.9	70-135	0.358	50
Chloroethane (Ethyl chloride)	40.2	U	50.0	ug/L	40.0		100	40-160	2.60	78
Chloroform	37.7		10.0	ug/L	40.0		94.2	70-135	1.83	54
cis-1,3-Dichloropropene	38.4		10.0	ug/L	40.0		96.0	25-175	0.105	58
Ethylbenzene	39.8		10.0	ug/L	40.0		99.5	60-140	2.78	63
Methyl bromide (Bromomethane)	37.7	U	50.0	ug/L	40.0		94.3	15-185	2.55	61
Methyl chloride (Chloromethane)	36.9	U	50.0	ug/L	40.0		92.1	0-205	2.07	60
Methylene chloride (Dichloromethane)	37.8		20.0	ug/L	40.0		94.5	60-140	0.152	28
Tetrachloroethylene (Perchloroethylene)	41.2		10.0	ug/L	40.0		103	70-130	13.1	39
Toluene	38.7		10.0	ug/L	40.0		96.7	70-130	1.58	41
Total Trihalomethanes (TTHMs)	152		10.0	ug/L	160		95.3	70-130	1.47	30
trans-1,2-Dichloroethylene	37.6		10.0	ug/L	40.0		94.0	70-130	1.47	45
trans-1,3-Dichloropropylene	37.1		10.0	ug/L	40.0		92.8	50-150	0.562	86
Trichloroethene (Trichloroethylene)	39.8		10.0	ug/L	40.0		99.6	65-135	2.54	48
Vinyl chloride (Chloroethene)	40.1		10.0	ug/L	40.0		100	5-195	7.65	66
Surrogate: 4-Bromofluorobenzene-surr			48.2	ug/L	50.0		96.4	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			49.0	ug/L	50.0		98.0	70-130		
Surrogate: Dibromofluoromethane-surr			47.8	ug/L	50.0		95.5	70-130		
Surrogate: Toluene-d8-surr			50.9	ug/L	50.0		102	70-130		

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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2080 - EPA 624 (Continued)										
Matrix Spike (BIB2080-MS1)			Source: 25B1370-03			Prepared & Analyzed: 02/21/2025				
1,1,1-Trichloroethane	48.3		10.0	ug/L	50.0	<10.0	96.7	52-162		
1,1,2,2-Tetrachloroethane	47.0		10.0	ug/L	50.0	<10.0	93.9	46-157		
1,1,2-Trichloroethane	47.8		10.0	ug/L	50.0	<10.0	95.6	52-150		
1,1-Dichloroethane	47.7		10.0	ug/L	50.0	<10.0	95.4	59-155		
1,1-Dichloroethylene	48.8		10.0	ug/L	50.0	<10.0	97.5	0-234		
1,2-Dibromoethane (EDB, Ethylene dibromide)	45.4		10.0	ug/L	50.0	<10.0	90.8	70-130		
1,2-Dichlorobenzene (o-Dichlorobenzene)	46.0		10.0	ug/L	50.0	<10.0	92.0	18-190		
1,2-Dichloroethane (Ethylene dichloride)	46.9		10.0	ug/L	50.0	<10.0	93.9	49-155		
1,2-Dichloropropane	48.0		10.0	ug/L	50.0	<10.0	96.0	0-210		
1,3-Dichlorobenzene (m-Dichlorobenzene)	46.8		10.0	ug/L	50.0	0.763	92.0	59-156		
1,4-Dichlorobenzene (p-Dichlorobenzene)	47.6		10.0	ug/L	50.0	<10.0	95.1	18-190		
2-Butanone (Methyl ethyl ketone, MEK)	453		50.0	ug/L	500	<50.0	90.6	70-130		
2-Chloroethyl vinyl ether	21.0		10.0	ug/L	50.0	<10.0	41.9	0-305		
Acrolein (Propenal)	162		50.0	ug/L	250	<50.0	64.8	40-160		
Acrylonitrile	52.1		50.0	ug/L	50.0	<50.0	104	40-160		
Benzene	49.0		10.0	ug/L	50.0	<10.0	97.9	37-151		
Bromodichloromethane	46.4		10.0	ug/L	50.0	<10.0	92.9	35-155		
Bromoform	42.5		10.0	ug/L	50.0	<10.0	84.9	45-169		
Carbon tetrachloride	47.7		2.00	ug/L	50.0	<2.00	95.4	70-140		
Chlorobenzene	47.0		10.0	ug/L	50.0	<10.0	94.1	37-160		
Chlorodibromomethane	44.9		10.0	ug/L	50.0	<10.0	89.8	53-149		
Chloroethane (Ethyl chloride)	52.1		50.0	ug/L	50.0	<50.0	104	14-230		
Chloroform	48.9		10.0	ug/L	50.0	1.51	94.7	51-138		
cis-1,3-Dichloropropene	46.8		10.0	ug/L	50.0	<10.0	93.6	0-227		
Ethylbenzene	48.4		10.0	ug/L	50.0	<10.0	96.7	37-162		
Methyl bromide (Bromomethane)	47.7	U	50.0	ug/L	50.0	<50.0	95.5	0-242		
Methyl chloride (Chloromethane)	46.7	U	50.0	ug/L	50.0	<50.0	93.4	0-273		
Methylene chloride (Dichloromethane)	48.8		20.0	ug/L	50.0	<20.0	97.6	0-221		
Tetrachloroethylene (Perchloroethylene)	49.2		10.0	ug/L	50.0	<10.0	98.3	64-148		
Toluene	48.2		10.0	ug/L	50.0	<10.0	96.4	47-150		
Total Trihalomethanes (TTHMs)	183		10.0	ug/L	200	<10.0	91.3	70-130		
trans-1,2-Dichloroethylene	48.0		10.0	ug/L	50.0	<10.0	96.0	54-156		
trans-1,3-Dichloropropylene	46.4		10.0	ug/L	50.0	<10.0	92.7	17-183		
Trichloroethene (Trichloroethylene)	49.5		10.0	ug/L	50.0	<10.0	98.9	70-157		
Vinyl chloride (Chloroethene)	49.2		10.0	ug/L	50.0	<10.0	98.4	0-251		
Surrogate: 4-Bromofluorobenzene-surr			47.5	ug/L	50.0		95.0	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			48.9	ug/L	50.0		97.9	70-130		
Surrogate: Dibromofluoromethane-surr			47.3	ug/L	50.0		94.6	70-130		
Surrogate: Toluene-d8-surr			50.9	ug/L	50.0		102	70-130		

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Quality Control (Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2080 - EPA 624 (Continued)										
Matrix Spike Dup (BIB2080-MSD1)			Source: 25B1370-03			Prepared & Analyzed: 02/22/2025				
1,1,1-Trichloroethane	46.8		10.0	ug/L	50.0	<10.0	93.6	52-162	3.24	36
1,1,2,2-Tetrachloroethane	47.0		10.0	ug/L	50.0	<10.0	94.0	46-157	0.0322	61
1,1,2-Trichloroethane	47.2		10.0	ug/L	50.0	<10.0	94.3	52-150	1.31	45
1,1-Dichloroethane	45.7		10.0	ug/L	50.0	<10.0	91.4	59-155	4.34	40
1,1-Dichloroethylene	47.6		10.0	ug/L	50.0	<10.0	95.2	0-234	2.41	32
1,2-Dibromoethane (EDB, Ethylene dibromide)	44.7		10.0	ug/L	50.0	<10.0	89.4	70-130	1.66	30
1,2-Dichlorobenzene (o-Dichlorobenzene)	46.9		10.0	ug/L	50.0	<10.0	93.7	18-190	1.90	57
1,2-Dichloroethane (Ethylene dichloride)	45.7		10.0	ug/L	50.0	<10.0	91.4	49-155	2.67	49
1,2-Dichloropropane	47.4		10.0	ug/L	50.0	<10.0	94.7	0-210	1.41	55
1,3-Dichlorobenzene (m-Dichlorobenzene)	47.0		10.0	ug/L	50.0	0.763	92.5	59-156	0.600	43
1,4-Dichlorobenzene (p-Dichlorobenzene)	47.9		10.0	ug/L	50.0	<10.0	95.8	18-190	0.715	57
2-Butanone (Methyl ethyl ketone, MEK)	439		50.0	ug/L	500	<50.0	87.9	70-130	3.06	30
2-Chloroethyl vinyl ether	23.9		10.0	ug/L	50.0	<10.0	47.9	0-305	13.3	71
Acrolein (Propenal)	131		50.0	ug/L	250	<50.0	52.4	40-160	21.3	60
Acrylonitrile	48.3	U	50.0	ug/L	50.0	<50.0	96.7	40-160	7.57	60
Benzene	47.3		10.0	ug/L	50.0	<10.0	94.6	37-151	3.47	61
Bromodichloromethane	45.8		10.0	ug/L	50.0	<10.0	91.5	35-155	1.44	56
Bromoform	42.8		10.0	ug/L	50.0	<10.0	85.5	45-169	0.667	42
Carbon tetrachloride	46.2		2.00	ug/L	50.0	<2.00	92.3	70-140	3.27	41
Chlorobenzene	46.8		10.0	ug/L	50.0	<10.0	93.7	37-160	0.470	53
Chlorodibromomethane	44.2		10.0	ug/L	50.0	<10.0	88.4	53-149	1.65	50
Chloroethane (Ethyl chloride)	48.5	U	50.0	ug/L	50.0	<50.0	96.9	14-230	7.16	78
Chloroform	46.9		10.0	ug/L	50.0	1.51	90.8	51-138	4.12	54
cis-1,3-Dichloropropene	45.5		10.0	ug/L	50.0	<10.0	90.9	0-227	2.89	58
Ethylbenzene	47.7		10.0	ug/L	50.0	<10.0	95.3	37-162	1.46	63
Methyl bromide (Bromomethane)	44.8	U	50.0	ug/L	50.0	<50.0	89.7	0-242	6.26	61
Methyl chloride (Chloromethane)	43.4	U	50.0	ug/L	50.0	<50.0	86.8	0-273	7.38	60
Methylene chloride (Dichloromethane)	46.4		20.0	ug/L	50.0	<20.0	92.9	0-221	5.01	28
Tetrachloroethylene (Perchloroethylene)	48.0		10.0	ug/L	50.0	<10.0	96.0	64-148	2.42	39
Toluene	46.9		10.0	ug/L	50.0	<10.0	93.8	47-150	2.80	41
Total Trihalomethanes (TTHMs)	180		10.0	ug/L	200	<10.0	89.8	70-130	1.70	30
trans-1,2-Dichloroethylene	46.2		10.0	ug/L	50.0	<10.0	92.4	54-156	3.79	45
trans-1,3-Dichloropropylene	45.0		10.0	ug/L	50.0	<10.0	89.9	17-183	3.06	86
Trichloroethene (Trichloroethylene)	47.6		10.0	ug/L	50.0	<10.0	95.3	70-157	3.76	48
Vinyl chloride (Chloroethene)	48.1		10.0	ug/L	50.0	<10.0	96.3	0-251	2.20	66
Surrogate: 4-Bromofluorobenzene-surr			48.6	ug/L	50.0		97.2	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			48.8	ug/L	50.0		97.7	70-130		
Surrogate: Dibromofluoromethane-surr			47.6	ug/L	50.0		95.2	70-130		
Surrogate: Toluene-d8-surr			51.9	ug/L	50.0		104	70-130		

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1821 - SW-3511										
Blank (BIB1821-BLK1)					Prepared: 02/14/2025 Analyzed: 02/20/2025					
Nonylphenol	<333	U	333	ug/L						
Surrogate: n-NP-surr			7.68	ug/L	7.98		96.2	60-140		
LCS (BIB1821-BS1)					Prepared: 02/14/2025 Analyzed: 02/21/2025					
Nonylphenol	29.3	U	333	ug/L	39.9		73.4	56-112		
Surrogate: n-NP-surr			9.01	ug/L	7.98		113	60-140		
LCS Dup (BIB1821-BSD1)					Prepared: 02/14/2025 Analyzed: 02/21/2025					
Nonylphenol	31.2	U	333	ug/L	39.9		78.2	56-112	6.23	22
Surrogate: n-NP-surr			8.15	ug/L	7.98		102	60-140		
Matrix Spike (BIB1821-MS1)			Source: 25B2448-02		Prepared: 02/14/2025 Analyzed: 02/21/2025					
Nonylphenol	34.6	U	333	ug/L	39.9	<333	86.8	56-112		
Surrogate: n-NP-surr			8.50	ug/L	7.98		106	60-140		
Matrix Spike Dup (BIB1821-MSD1)			Source: 25B2448-02		Prepared: 02/14/2025 Analyzed: 02/21/2025					
Nonylphenol	30.1	U	333	ug/L	40.0	<333	75.3	56-112	14.0	22
Surrogate: n-NP-surr			7.66	ug/L	8.00		95.8	60-140		
Batch: BIB2226 - EPA 625 LLE										
Blank (BIB2226-BLK1)					Prepared: 02/18/2025 Analyzed: 02/20/2025					
3,3'-Dichlorobenzidine	<5.00	U	5.00	ug/L						
Benzidine	<50.0	U	50.0	ug/L						
Surrogate: 2-Fluorobiphenyl-surr			0.926	ug/L	2.00		46.3	32.2-138		
Surrogate: Nitrobenzene-d5-surr			1.09	ug/L	2.00		54.3	31.2-136		
Surrogate: p-Terphenyl-d14-surr			0.795	ug/L	2.00		39.8	37.6-117		

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Reported:
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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BIB2226 - EPA 625 LLE (Continued)

Blank (BIB2226-BLK2)

Prepared: 02/18/2025 Analyzed: 02/21/2025

1,2,4,5-Tetrachlorobenzene	<0.300	U	0.300	ug/L						
1,2,4-Trichlorobenzene	<0.300	U	0.300	ug/L						
1,2-Diphenylhydrazine	<20.0	U	20.0	ug/L						
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	<0.400	U	0.400	ug/L						
2,4,5-Trichlorophenol	<0.700	U	0.700	ug/L						
2,4,6-Trichlorophenol	<1.20	U	1.20	ug/L						
2,4-Dichlorophenol	<0.800	U	0.800	ug/L						
2,4-Dimethylphenol	<10.0	U	10.0	ug/L						
2,4-Dinitrophenol	<8.60	U	8.60	ug/L						
2,4-Dinitrotoluene (2,4-DNT)	<10.0	U	10.0	ug/L						
2,6-Dinitrotoluene (2,6-DNT)	<1.80	U	1.80	ug/L						
2-Chloronaphthalene	<0.400	U	0.400	ug/L						
2-Chlorophenol	<0.500	U	0.500	ug/L						
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	<1.60	U	1.60	ug/L						
2-Nitrophenol	<0.700	U	0.700	ug/L						
3,4-Methylphenol	<1.40	U	1.40	ug/L						
4-Bromophenyl phenyl ether (BDE-3)	<0.300	U	0.300	ug/L						
4-Chloro-3-methylphenol	<0.700	U	0.700	ug/L						
4-Chlorophenyl phenylether	<0.700	U	0.700	ug/L						
4-Nitrophenol	<50.0	U	50.0	ug/L						
Acenaphthene	<0.300	U	0.300	ug/L						
Acenaphthylene	<0.200	U	0.200	ug/L						
Anthracene	<0.200	U	0.200	ug/L						
Benzo(a)anthracene	<0.300	U	0.300	ug/L						
Benzo(a)pyrene	<0.500	U	0.500	ug/L						
benzo(b&k)fluoranthene	<0.400	U	0.400	ug/L						
Benzo(g,h,i)perylene	<0.400	U	0.400	ug/L						
bis(2-Chloroethoxy)methane	<0.400	U	0.400	ug/L						
bis(2-Chloroethyl) ether	<0.600	U	0.600	ug/L						
Bis(2-ethylhexyl)phthalate	<1.50	U	1.50	ug/L						
Butyl benzyl phthalate	<0.400	U	0.400	ug/L						
Chrysene	<0.200	U	0.200	ug/L						
Dibenzo(a,h)anthracene	<0.500	U	0.500	ug/L						
Diethyl phthalate	<0.500	U	0.500	ug/L						
Dimethyl phthalate	<0.300	U	0.300	ug/L						
Di-n-butyl phthalate	<1.60	U	1.60	ug/L						
Di-n-octyl phthalate	<0.500	U	0.500	ug/L						
Fluoranthene	<0.300	U	0.300	ug/L						
Fluorene	<0.200	U	0.200	ug/L						
Hexachlorobenzene	<5.00	U	5.00	ug/L						
Hexachlorobutadiene	<0.300	U	0.300	ug/L						
Hexachlorocyclopentadiene	<10.0	U	10.0	ug/L						
Hexachloroethane	<0.200	U	0.200	ug/L						
Hexachlorophene	<1.10	U	1.10	ug/L						
Indeno(1,2,3-cd) pyrene	<0.400	U	0.400	ug/L						
Isophorone	<0.300	U	0.300	ug/L						

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Reported:
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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BIB2226 - EPA 625 LLE (Continued)

Blank (BIB2226-BLK2)

Prepared: 02/18/2025 Analyzed: 02/21/2025

Naphthalene	<0.300	U	0.300	ug/L						
Nitrobenzene	<0.400	U	0.400	ug/L						
n-Nitrosodiethylamine	<0.500	U	0.500	ug/L						
n-Nitrosodimethylamine	<50.0	U	50.0	ug/L						
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L						
n-Nitrosodi-n-propylamine	<1.40	U	1.40	ug/L						
n-Nitrosodiphenylamine	<20.0	U	20.0	ug/L						
Pentachlorobenzene	<20.0	U	20.0	ug/L						
Pentachlorophenol	<1.40	U	1.40	ug/L						
Phenanthrene	<0.300	U	0.300	ug/L						
Phenol, Total	<10.0	U	10.0	ug/L						
Pyrene	<0.300	U	0.300	ug/L						
Pyridine	<20.0	U	20.0	ug/L						
Surrogate: 2,4,6-Tribromophenol-surr			2.17	ug/L	4.00		54.1	33.6-139		
Surrogate: 2-Fluorobiphenyl-surr			1.18	ug/L	2.00		59.1	32.2-138		
Surrogate: 2-Fluorophenol-surr			2.67	ug/L	4.00		66.6	32.7-137		
Surrogate: Nitrobenzene-d5-surr			1.22	ug/L	2.00		60.8	31.2-136		
Surrogate: Phenol-d5-surr			2.59	ug/L	4.00		64.9	28.9-155		
Surrogate: p-Terphenyl-d14-surr			1.10	ug/L	2.00		54.9	37.6-117		

LCS BENZ (BIB2226-BS1)

Prepared: 02/18/2025 Analyzed: 02/20/2025

3,3'-Dichlorobenzidine	30.4		4.00	ug/L	50.0		60.8	0-262		
Benzidine	<16.0	U	16.0	ug/L	50.0			0-131		
Surrogate: 2-Fluorobiphenyl-surr			1.04	ug/L	2.00		52.0	32.2-138		
Surrogate: Nitrobenzene-d5-surr			1.16	ug/L	2.00		58.0	31.2-136		
Surrogate: p-Terphenyl-d14-surr			1.01	ug/L	2.00		50.7	37.6-117		

LCS (BIB2226-BS2)

Prepared: 02/18/2025 Analyzed: 02/21/2025

1,2,4,5-Tetrachlorobenzene	1.37		0.300	ug/L	2.00		68.4	60-140		
1,2,4-Trichlorobenzene	1.37		0.300	ug/L	2.00		68.5	44-142		
1,2-Diphenylhydrazine	1.48		0.750	ug/L	2.00		73.8	60-140		
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	1.23		0.400	ug/L	2.00		61.7	36-166		
2,4,5-Trichlorophenol	2.98		0.700	ug/L	4.00		74.4	60-140		
2,4,6-Trichlorophenol	2.88		1.20	ug/L	4.00		72.0	37-144		
2,4-Dichlorophenol	3.08		0.800	ug/L	4.00		76.9	39-135		
2,4-Dimethylphenol	2.97		0.900	ug/L	4.00		74.2	32-120		
2,4-Dinitrophenol	7.31	U	8.60	ug/L	10.0		73.1	0-191		
2,4-Dinitrotoluene (2,4-DNT)	1.36		0.200	ug/L	2.00		68.2	39-139		
2,6-Dinitrotoluene (2,6-DNT)	1.24	U	1.80	ug/L	2.00		62.0	50-158		
2-Chloronaphthalene	1.31		0.400	ug/L	2.00		65.3	60-120		
2-Chlorophenol	2.49		0.500	ug/L	4.00		62.2	23-134		
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	2.90		1.60	ug/L	4.00		72.6	0-181		
2-Nitrophenol	2.83		0.700	ug/L	4.00		70.8	29-182		
3,4-Methylphenol	5.24		1.40	ug/L	8.00		65.5	60-140		
4-Bromophenyl phenyl ether (BDE-3)	1.26		0.300	ug/L	2.00		63.0	53-127		

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Reported:
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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BIB2226 - EPA 625 LLE (Continued)

LCS (BIB2226-BS2)

Prepared: 02/18/2025 Analyzed: 02/21/2025

4-Chloro-3-methylphenol	3.26		0.700	ug/L	4.00		81.5	22-147		
4-Chlorophenyl phenylether	1.19		0.700	ug/L	2.00		59.7	25-158		
4-Nitrophenol	7.52		7.20	ug/L	10.0		75.2	0-132		
Acenaphthene	1.13		0.300	ug/L	2.00		56.5	47-145		
Acenaphthylene	1.08		0.200	ug/L	2.00		54.2	33-145		
Anthracene	1.23		0.200	ug/L	2.00		61.6	27-133		
Benzo(a)anthracene	1.31		0.300	ug/L	2.00		65.5	33-143		
Benzo(a)pyrene	1.31		0.500	ug/L	2.00		65.4	17-163		
benzo(b&k)fluoranthene	2.74		0.400	ug/L	4.00		68.5	60-140		
Benzo(g,h,i)perylene	1.27		0.400	ug/L	2.00		63.4	0-219		
bis(2-Chloroethoxy)methane	1.40		0.400	ug/L	2.00		70.0	33-184		
bis(2-Chloroethyl) ether	1.50		0.600	ug/L	2.00		75.1	12-158		
Bis(2-ethylhexyl)phthalate	1.51		1.50	ug/L	2.00		75.4	8-158		
Butyl benzyl phthalate	1.27		0.400	ug/L	2.00		63.3	0-152		
Chrysene	0.889		0.200	ug/L	2.00		44.4	17-168		
Dibenzo(a,h)anthracene	1.04		0.500	ug/L	2.00		51.8	0-227		
Diethyl phthalate	1.39		0.500	ug/L	2.00		69.5	0-120		
Dimethyl phthalate	1.51		0.300	ug/L	2.00		75.6	0-120		
Di-n-butyl phthalate	1.32	U	1.60	ug/L	2.00		66.1	1-120		
Di-n-octyl phthalate	1.32		0.500	ug/L	2.00		66.1	4-146		
Fluoranthene	1.24		0.300	ug/L	2.00		62.1	26-137		
Fluorene	1.25		0.200	ug/L	2.00		62.3	59-121		
Hexachlorobenzene	1.19		0.200	ug/L	2.00		59.7	0-152		
Hexachlorobutadiene	1.24		0.300	ug/L	2.00		62.1	24-120		
Hexachlorocyclopentadiene	1.70		0.750	ug/L	2.00		85.0	60-140		
Hexachloroethane	1.28		0.200	ug/L	2.00		63.9	40-120		
Hexachlorophene	3.16		1.10	ug/L	4.00		79.0	60-140		
Indeno(1,2,3-cd) pyrene	1.21		0.400	ug/L	2.00		60.3	0-171		
Isophorone	1.23		0.300	ug/L	2.00		61.4	21-196		
Naphthalene	1.35		0.300	ug/L	2.00		67.5	21-133		
Nitrobenzene	1.50		0.400	ug/L	2.00		75.0	35-180		
n-Nitrosodiethylamine	1.58		0.500	ug/L	2.00		79.0	60-140		
n-Nitrosodimethylamine	1.95	U	3.80	ug/L	10.0		19.5	4.18-37.2		
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L	2.00			60-140		
n-Nitrosodi-n-propylamine	1.41		1.40	ug/L	2.00		70.6	0-230		
n-Nitrosodiphenylamine	0.422	J1	0.200	ug/L	2.00		21.1	60-140		
Pentachlorobenzene	1.46		0.200	ug/L	2.00		73.0	60-140		
Pentachlorophenol	2.81		1.40	ug/L	4.00		70.3	14-176		
Phenanthrene	1.28		0.300	ug/L	2.00		64.0	54-120		
Phenol, Total	3.61		1.50	ug/L	4.00		90.3	5-120		
Pyrene	1.22		0.300	ug/L	2.00		60.9	52-120		
Pyridine	<13.3	U	13.3	ug/L	10.0			0-137		
Surrogate: 2,4,6-Tribromophenol-surr			2.45	ug/L	4.00		61.1	33.6-139		
Surrogate: 2-Fluorobiphenyl-surr			1.14	ug/L	2.00		57.2	32.2-138		
Surrogate: 2-Fluorophenol-surr			3.18	ug/L	4.00		79.5	32.7-137		
Surrogate: Nitrobenzene-d5-surr			1.61	ug/L	2.00		80.4	31.2-136		
Surrogate: Phenol-d5-surr			3.11	ug/L	4.00		77.8	28.9-155		

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BIB2226 - EPA 625 LLE (Continued)

LCS (BIB2226-BS2)

Prepared: 02/18/2025 Analyzed: 02/21/2025

Surrogate: p-Terphenyl-d14-surr 1.16 ug/L 2.00 58.0 37.6-117

LCSD BENZ (BIB2226-BS1)

Prepared: 02/18/2025 Analyzed: 02/20/2025

3,3'-Dichlorobenzidine	37.7		5.00	ug/L	50.0		75.4	0-262	21.5	108
Benzidine	12.2	U	50.0	ug/L	50.0		24.4	0-131	12.5	40
Surrogate: 2-Fluorobiphenyl-surr			1.05	ug/L	2.00		52.6	32.2-138		
Surrogate: Nitrobenzene-d5-surr			1.12	ug/L	2.00		56.0	31.2-136		
Surrogate: p-Terphenyl-d14-surr			0.949	ug/L	2.00		47.4	37.6-117		

LCS Dup (BIB2226-BS2)

Prepared: 02/18/2025 Analyzed: 02/21/2025

1,2,4,5-Tetrachlorobenzene	1.57		0.300	ug/L	2.00		78.5	60-140	13.7	40
1,2,4-Trichlorobenzene	1.37		0.300	ug/L	2.00		68.6	44-142	0.0811	50
1,2-Diphenylhydrazine	1.62	U	20.0	ug/L	2.00		80.8	60-140	9.01	40
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	1.31		0.400	ug/L	2.00		65.4	36-166	5.74	40
2,4,5-Trichlorophenol	2.98		0.700	ug/L	4.00		74.4	60-140	0.00286	40
2,4,6-Trichlorophenol	2.85		1.20	ug/L	4.00		71.2	37-144	1.17	58
2,4-Dichlorophenol	3.40		0.800	ug/L	4.00		85.0	39-135	9.93	50
2,4-Dimethylphenol	3.32	U	10.0	ug/L	4.00		83.0	32-120	11.2	58
2,4-Dinitrophenol	7.55	U	8.60	ug/L	10.0		75.5	0-191	3.19	132
2,4-Dinitrotoluene (2,4-DNT)	1.32	U	10.0	ug/L	2.00		65.9	39-139	3.42	42
2,6-Dinitrotoluene (2,6-DNT)	1.40	U	1.80	ug/L	2.00		69.8	50-158	11.9	48
2-Chloronaphthalene	1.42		0.400	ug/L	2.00		71.0	60-120	8.38	24
2-Chlorophenol	2.33		0.500	ug/L	4.00		58.2	23-134	6.54	61
2-Methyl-4,6-dinitrophenol	2.99		1.60	ug/L	4.00		74.8	0-181	2.95	203
(4,6-Dinitro-2-methylph										
2-Nitrophenol	2.97		0.700	ug/L	4.00		74.3	29-182	4.81	55
3,4-Methylphenol	5.69		1.40	ug/L	8.00		71.1	60-140	8.19	40
4-Bromophenyl phenyl ether (BDE-3)	1.26		0.300	ug/L	2.00		63.1	53-127	0.224	43
4-Chloro-3-methylphenol	3.51		0.700	ug/L	4.00		87.7	22-147	7.24	73
4-Chlorophenyl phenylether	1.22		0.700	ug/L	2.00		61.1	25-158	2.31	61
4-Nitrophenol	7.80	U	50.0	ug/L	10.0		78.0	0-132	3.66	131
Acenaphthene	1.10		0.300	ug/L	2.00		55.2	47-145	2.30	48
Acenaphthylene	1.12		0.200	ug/L	2.00		55.9	33-145	3.09	74
Anthracene	1.30		0.200	ug/L	2.00		65.2	27-133	5.71	66
Benzo(a)anthracene	1.32		0.300	ug/L	2.00		66.1	33-143	0.768	53
Benzo(a)pyrene	1.37		0.500	ug/L	2.00		68.6	17-163	4.73	72
benzo(b&k)fluoranthene	2.81		0.400	ug/L	4.00		70.4	60-140	2.66	40
Benzo(g,h,i)perylene	1.32		0.400	ug/L	2.00		65.8	0-219	3.72	97
bis(2-Chloroethoxy)methane	1.59		0.400	ug/L	2.00		79.7	33-184	12.9	54
bis(2-Chloroethyl) ether	1.60		0.600	ug/L	2.00		80.2	12-158	6.59	108
Bis(2-ethylhexyl) phthalate	1.54		1.50	ug/L	2.00		77.1	8-158	2.23	82
Butyl benzyl phthalate	1.29		0.400	ug/L	2.00		64.6	0-152	1.93	60
Chrysene	0.894		0.200	ug/L	2.00		44.7	17-168	0.644	87
Dibenzo(a,h)anthracene	1.08		0.500	ug/L	2.00		54.0	0-227	4.08	126
Diethyl phthalate	1.35		0.500	ug/L	2.00		67.6	0-120	2.78	100
Dimethyl phthalate	1.62		0.300	ug/L	2.00		81.0	0-120	6.90	183

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
Batch: BIB2226 - EPA 625 LLE (Continued)									
LCS Dup (BIB2226-BSD2)					Prepared: 02/18/2025 Analyzed: 02/21/2025				
Di-n-butyl phthalate	1.23	U	1.60	ug/L	2.00		61.6 1-120	7.02	47
Di-n-octyl phthalate	1.41		0.500	ug/L	2.00		70.3 4-146	6.21	69
Fluoranthene	1.18		0.300	ug/L	2.00		59.2 26-137	4.79	66
Fluorene	1.30		0.200	ug/L	2.00		64.9 59-121	4.06	38
Hexachlorobenzene	1.21	U	5.00	ug/L	2.00		60.6 0-152	1.46	55
Hexachlorobutadiene	1.26		0.300	ug/L	2.00		63.0 24-120	1.51	62
Hexachlorocyclopentadiene	1.90	U	10.0	ug/L	2.00		94.8 60-140	11.0	40
Hexachloroethane	1.30		0.200	ug/L	2.00		65.2 40-120	2.03	52
Hexachlorophene	3.37		1.10	ug/L	4.00		84.3 60-140	6.40	40
Indeno(1,2,3-cd) pyrene	1.26		0.400	ug/L	2.00		62.9 0-171	4.30	99
Isophorone	1.29		0.300	ug/L	2.00		64.3 21-196	4.61	93
Naphthalene	1.40		0.300	ug/L	2.00		69.9 21-133	3.48	65
Nitrobenzene	1.62		0.400	ug/L	2.00		81.1 35-180	7.73	62
n-Nitrosodiethylamine	1.59		0.500	ug/L	2.00		79.7 60-140	0.854	40
n-Nitrosodimethylamine	1.85	U	50.0	ug/L	10.0		18.5 4.18-37.2	5.31	40
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L	2.00		60-140	200	40
n-Nitrosodi-n-propylamine	1.50		1.40	ug/L	2.00		75.2 0-230	6.31	87
n-Nitrosodiphenylamine	0.364	J1, U	20.0	ug/L	2.00		18.2 60-140	14.7	40
Pentachlorobenzene	1.67	U	20.0	ug/L	2.00		83.5 60-140	13.4	40
Pentachlorophenol	2.83		1.40	ug/L	4.00		70.8 14-176	0.730	86
Phenanthrene	1.24		0.300	ug/L	2.00		62.2 54-120	2.88	39
Phenol, Total	3.61	U	10.0	ug/L	4.00		90.2 5-120	0.0965	64
Pyrene	1.16		0.300	ug/L	2.00		57.9 52-120	4.89	49
Pyridine	<20.0	U	20.0	ug/L	10.0		0-137	200	40
Surrogate: 2,4,6-Tribromophenol-surr			2.41	ug/L	4.00		60.1 33.6-139		
Surrogate: 2-Fluorobiphenyl-surr			1.17	ug/L	2.00		58.3 32.2-138		
Surrogate: 2-Fluorophenol-surr			3.26	ug/L	4.00		81.5 32.7-137		
Surrogate: Nitrobenzene-d5-surr			1.49	ug/L	2.00		74.4 31.2-136		
Surrogate: Phenol-d5-surr			3.16	ug/L	4.00		79.1 28.9-155		
Surrogate: p-Terphenyl-d14-surr			1.18	ug/L	2.00		58.8 37.6-117		

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Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/18/2025 11:05

Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BIB2226 - EPA 625 LLE (Continued)

Matrix Spike (BIB2226-MS1)

Source: 25B2448-02RE1

Prepared: 02/18/2025 Analyzed: 02/21/2025

1,2,4,5-Tetrachlorobenzene	1.54		0.300	ug/L	2.00	<0.300	76.9	60-140		
1,2,4-Trichlorobenzene	1.45		0.300	ug/L	2.00	0.124	66.1	44-142		
1,2-Diphenylhydrazine	1.40		0.750	ug/L	2.00	<0.750	70.0	60-140		
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	1.43		0.400	ug/L	2.00	<0.400	71.6	36-166		
2,4,5-Trichlorophenol	3.34		0.700	ug/L	4.00	<0.700	83.5	60-140		
2,4,6-Trichlorophenol	3.45		1.20	ug/L	4.00	<1.20	86.3	37-144		
2,4-Dichlorophenol	3.52		0.800	ug/L	4.00	<0.800	87.9	39-135		
2,4-Dimethylphenol	3.38		0.900	ug/L	4.00	<0.900	84.5	32-120		
2,4-Dinitrophenol	9.22		8.60	ug/L	10.0	<8.60	92.2	0-191		
2,4-Dinitrotoluene (2,4-DNT)	1.43		0.200	ug/L	2.00	<0.200	71.5	39-139		
2,6-Dinitrotoluene (2,6-DNT)	1.74	U	1.80	ug/L	2.00	<1.80	87.2	50-158		
2-Chloronaphthalene	1.45		0.400	ug/L	2.00	<0.400	72.3	60-120		
2-Chlorophenol	2.01		0.500	ug/L	4.00	<0.500	50.3	23-134		
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	3.70		1.60	ug/L	4.00	<1.60	92.6	0-181		
2-Nitrophenol	3.44		0.700	ug/L	4.00	<0.700	86.1	29-182		
3,4-Methylphenol	6.04		1.40	ug/L	8.00	<1.40	75.6	60-140		
4-Bromophenyl phenyl ether (BDE-3)	1.38		0.300	ug/L	2.00	<0.300	69.2	53-127		
4-Chloro-3-methylphenol	3.34		0.700	ug/L	4.00	<0.700	83.6	22-147		
4-Chlorophenyl phenylether	1.33		0.700	ug/L	2.00	<0.700	66.5	25-158		
4-Nitrophenol	8.72		7.20	ug/L	10.0	<7.20	87.2	0-132		
Acenaphthene	1.31		0.300	ug/L	2.00	<0.300	65.5	47-145		
Acenaphthylene	1.31		0.200	ug/L	2.00	<0.200	65.4	33-145		
Anthracene	1.26		0.200	ug/L	2.00	<0.200	62.9	27-133		
Benzo(a)anthracene	1.35		0.300	ug/L	2.00	<0.300	67.4	33-143		
Benzo(a)pyrene	1.41		0.500	ug/L	2.00	<0.500	70.5	17-163		
benzo(b&k)fluoranthene	2.84		0.400	ug/L	4.00	<0.400	71.1	60-140		
Benzo(g,h,i)perylene	1.44		0.400	ug/L	2.00	<0.400	71.9	0-219		
bis(2-Chloroethoxy)methane	1.52		0.400	ug/L	2.00	<0.400	76.1	33-184		
bis(2-Chloroethyl) ether	1.49		0.600	ug/L	2.00	<0.600	74.5	12-158		
Bis(2-ethylhexyl) phthalate	1.58		1.50	ug/L	2.00	<1.50	79.1	8-158		
Butyl benzyl phthalate	1.34		0.400	ug/L	2.00	<0.400	66.9	0-152		
Chrysene	0.885		0.200	ug/L	2.00	<0.200	44.3	17-168		
Dibenzo(a,h)anthracene	1.20		0.500	ug/L	2.00	<0.500	60.1	0-227		
Diethyl phthalate	1.51		0.500	ug/L	2.00	0.160	67.4	0-120		
Dimethyl phthalate	1.62		0.300	ug/L	2.00	0.0962	76.1	0-120		
Di-n-butyl phthalate	0.911	U	1.60	ug/L	2.00	<1.60	45.6	1-120		
Di-n-octyl phthalate	1.52		0.500	ug/L	2.00	<0.500	76.1	4-146		
Fluoranthene	1.11		0.300	ug/L	2.00	<0.300	55.7	26-137		
Fluorene	1.39		0.200	ug/L	2.00	<0.200	69.7	59-121		
Hexachlorobenzene	1.21		0.200	ug/L	2.00	<0.200	60.6	0-152		
Hexachlorobutadiene	1.26		0.300	ug/L	2.00	<0.300	63.0	24-120		
Hexachlorocyclopentadiene	3.44	J1	0.750	ug/L	2.00	<0.750	172	60-140		
Hexachloroethane	1.35		0.200	ug/L	2.00	<0.200	67.3	40-120		
Hexachlorophene	3.96		1.10	ug/L	4.00	<1.10	99.0	60-140		
Indeno(1,2,3-cd) pyrene	1.38		0.400	ug/L	2.00	<0.400	69.0	0-171		
Isophorone	1.47		0.300	ug/L	2.00	<0.300	73.4	21-196		

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Reported:
03/18/2025 11:05

Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BIB2226 - EPA 625 LLE (Continued)

Matrix Spike (BIB2226-MS1)

Source: 25B2448-02RE1

Prepared: 02/18/2025 Analyzed: 02/21/2025

Naphthalene	1.53		0.300	ug/L	2.00	<0.300	76.4	21-133		
Nitrobenzene	1.83		0.400	ug/L	2.00	<0.400	91.3	35-180		
n-Nitrosodiethylamine	1.77		0.500	ug/L	2.00	<0.500	88.6	60-140		
n-Nitrosodimethylamine	19.5		3.80	ug/L	10.0	14.7	48.6	4.18-91		
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L	2.00	<5.70		60-140		
n-Nitrosodi-n-propylamine	1.64		1.40	ug/L	2.00	<1.40	82.0	0-230		
n-Nitrosodiphenylamine	0.228	J1	0.200	ug/L	2.00	<0.200	11.4	60-140		
Pentachlorobenzene	1.56		0.200	ug/L	2.00	<0.200	78.0	60-140		
Pentachlorophenol	2.78		1.40	ug/L	4.00	<1.40	69.5	14-176		
Phenanthrene	1.32		0.300	ug/L	2.00	<0.300	65.9	54-120		
Phenol, Total	3.95		1.50	ug/L	4.00	0.862	77.2	5-120		
Pyrene	1.06		0.300	ug/L	2.00	<0.300	53.1	52-120		
Pyridine	<13.3	J1, U	13.3	ug/L	10.0	<13.3		60-140		
Surrogate: 2,4,6-Tribromophenol-surr			2.53	ug/L	4.00		63.3	33.6-139		
Surrogate: 2-Fluorobiphenyl-surr			1.32	ug/L	2.00		66.0	32.2-138		
Surrogate: 2-Fluorophenol-surr			3.51	ug/L	4.00		87.7	32.7-137		
Surrogate: Nitrobenzene-d5-surr			1.72	ug/L	2.00		85.8	31.2-136		
Surrogate: Phenol-d5-surr			2.92	ug/L	4.00		73.0	28.9-155		
Surrogate: p-Terphenyl-d14-surr			1.27	ug/L	2.00		63.4	37.6-117		

Matrix Spike Dup (BIB2226-MSD1)

Source: 25B2448-02RE1

Prepared: 02/18/2025 Analyzed: 02/21/2025

1,2,4,5-Tetrachlorobenzene	1.64		0.300	ug/L	2.00	<0.300	81.9	60-140	6.32	40
1,2,4-Trichlorobenzene	1.52		0.300	ug/L	2.00	0.124	69.9	44-142	5.15	50
1,2-Diphenylhydrazine	1.48	U	20.0	ug/L	2.00	<20.0	73.8	60-140	5.29	40
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	1.96		0.400	ug/L	2.00	<0.400	97.9	36-166	31.1	76
2,4,5-Trichlorophenol	3.14		0.700	ug/L	4.00	<0.700	78.4	60-140	6.28	40
2,4,6-Trichlorophenol	3.21		1.20	ug/L	4.00	<1.20	80.2	37-144	7.37	58
2,4-Dichlorophenol	3.79		0.800	ug/L	4.00	<0.800	94.6	39-135	7.38	50
2,4-Dimethylphenol	3.61	U	10.0	ug/L	4.00	<10.0	90.3	32-120	6.56	58
2,4-Dinitrophenol	9.19		8.60	ug/L	10.0	<8.60	91.9	0-191	0.302	132
2,4-Dinitrotoluene (2,4-DNT)	1.30	U	10.0	ug/L	2.00	<10.0	64.9	39-139	9.62	42
2,6-Dinitrotoluene (2,6-DNT)	1.67	U	1.80	ug/L	2.00	<1.80	83.3	50-158	4.62	48
2-Chloronaphthalene	1.58		0.400	ug/L	2.00	<0.400	79.2	60-120	9.17	24
2-Chlorophenol	2.20		0.500	ug/L	4.00	<0.500	54.9	23-134	8.75	61
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	3.73		1.60	ug/L	4.00	<1.60	93.3	0-181	0.735	203
2-Nitrophenol	3.58		0.700	ug/L	4.00	<0.700	89.4	29-182	3.82	55
3,4-Methylphenol	6.50		1.40	ug/L	8.00	<1.40	81.3	60-140	7.33	40
4-Bromophenyl phenyl ether (BDE-3)	1.38		0.300	ug/L	2.00	<0.300	68.8	53-127	0.544	43
4-Chloro-3-methylphenol	3.65		0.700	ug/L	4.00	<0.700	91.2	22-147	8.71	73
4-Chlorophenyl phenylether	1.29		0.700	ug/L	2.00	<0.700	64.7	25-158	2.76	61
4-Nitrophenol	9.09	U	50.0	ug/L	10.0	<50.0	90.9	0-132	4.13	131
Acenaphthene	1.23		0.300	ug/L	2.00	<0.300	61.5	47-145	6.26	48
Acenaphthylene	1.22		0.200	ug/L	2.00	<0.200	61.1	33-145	6.84	74
Anthracene	1.26		0.200	ug/L	2.00	<0.200	63.0	27-133	0.0477	66
Benzo(a)anthracene	1.35		0.300	ug/L	2.00	<0.300	67.5	33-143	0.114	53
Benzo(a)pyrene	1.35		0.500	ug/L	2.00	<0.500	67.7	17-163	4.01	72

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Reported:
03/18/2025 11:05

Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2226 - EPA 625 LLE (Continued)										
Matrix Spike Dup (BIB2226-MSD1)			Source: 25B2448-02RE1		Prepared: 02/18/2025 Analyzed: 02/21/2025					
benzo(b&k)fluoranthene	2.87		0.400	ug/L	4.00	<0.400	71.8	60-140	1.04	40
Benzo(g,h,i)perylene	1.44		0.400	ug/L	2.00	<0.400	71.9	0-219	0.0821	97
bis(2-Chloroethoxy)methane	1.66		0.400	ug/L	2.00	<0.400	83.2	33-184	8.88	54
bis(2-Chloroethyl) ether	1.52		0.600	ug/L	2.00	<0.600	75.8	12-158	1.72	108
Bis(2-ethylhexyl)phthalate	1.56		1.50	ug/L	2.00	<1.50	78.0	8-158	1.46	82
Butyl benzyl phthalate	1.26		0.400	ug/L	2.00	<0.400	62.9	0-152	6.19	60
Chrysene	0.875		0.200	ug/L	2.00	<0.200	43.7	17-168	1.23	87
Dibenzo(a,h)anthracene	1.20		0.500	ug/L	2.00	<0.500	60.2	0-227	0.125	126
Diethyl phthalate	1.45		0.500	ug/L	2.00	0.160	64.5	0-120	3.84	100
Dimethyl phthalate	1.75		0.300	ug/L	2.00	0.0962	82.9	0-120	8.10	183
Di-n-butyl phthalate	0.918	U	1.60	ug/L	2.00	<1.60	45.9	1-120	0.771	47
Di-n-octyl phthalate	1.51		0.500	ug/L	2.00	<0.500	75.4	4-146	0.911	69
Fluoranthene	1.06		0.300	ug/L	2.00	<0.300	52.9	26-137	5.14	66
Fluorene	1.33		0.200	ug/L	2.00	<0.200	66.6	59-121	4.57	38
Hexachlorobenzene	1.16	U	5.00	ug/L	2.00	<5.00	58.2	0-152	3.98	55
Hexachlorobutadiene	1.47		0.300	ug/L	2.00	<0.300	73.3	24-120	15.1	62
Hexachlorocyclopentadiene	3.34	J1, U	10.0	ug/L	2.00	<10.0	167	60-140	2.85	40
Hexachloroethane	1.45		0.200	ug/L	2.00	<0.200	72.4	40-120	7.30	52
Hexachlorophene	3.79		1.10	ug/L	4.00	<1.10	94.8	60-140	4.35	40
Indeno(1,2,3-cd) pyrene	1.38		0.400	ug/L	2.00	<0.400	68.9	0-171	0.0506	99
Isophorone	1.50		0.300	ug/L	2.00	<0.300	75.0	21-196	2.07	93
Naphthalene	1.56		0.300	ug/L	2.00	<0.300	78.2	21-133	2.45	65
Nitrobenzene	1.98		0.400	ug/L	2.00	<0.400	98.9	35-180	7.95	62
n-Nitrosodiethylamine	1.85		0.500	ug/L	2.00	<0.500	92.7	60-140	4.57	40
n-Nitrosodimethylamine	18.7	U	50.0	ug/L	10.0	14.7	39.7	4.18-91	4.68	40
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L	2.00	<5.70		60-140		40
n-Nitrosodi-n-propylamine	1.64		1.40	ug/L	2.00	<1.40	81.8	0-230	0.169	87
n-Nitrosodiphenylamine	0.218	J1, U	20.0	ug/L	2.00	<20.0	10.9	60-140	4.52	40
Pentachlorobenzene	1.69	U	20.0	ug/L	2.00	<20.0	84.4	60-140	7.90	40
Pentachlorophenol	2.67		1.40	ug/L	4.00	<1.40	66.7	14-176	4.12	86
Phenanthrene	1.24		0.300	ug/L	2.00	<0.300	62.0	54-120	6.21	39
Phenol, Total	4.22	U	10.0	ug/L	4.00	0.862	84.0	5-120	6.60	64
Pyrene	1.01	J1	0.300	ug/L	2.00	<0.300	50.7	52-120	4.63	49
Pyridine	<20.0	J1, U	20.0	ug/L	10.0	<20.0		60-140		40
Surrogate: 2,4,6-Tribromophenol-surr			2.44	ug/L	4.00		60.9	33.6-139		
Surrogate: 2-Fluorobiphenyl-surr			1.19	ug/L	2.00		59.3	32.2-138		
Surrogate: 2-Fluorophenol-surr			3.51	ug/L	4.00		87.8	32.7-137		
Surrogate: Nitrobenzene-d5-surr			1.82	ug/L	2.00		91.2	31.2-136		
Surrogate: Phenol-d5-surr			3.04	ug/L	4.00		76.1	28.9-155		
Surrogate: p-Terphenyl-d14-surr			1.23	ug/L	2.00		61.5	37.6-117		

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Reported:
03/18/2025 11:05

Quality Control
(Continued)

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1538 - EPA 1657 SPE										
Blank (BIB1538-BLK1)			Prepared: 02/13/2025 Analyzed: 02/14/2025							
Azinphos-methyl (Guthion)	<0.0964	U	0.0964	ug/L						
Chlorpyrifos	<0.0482	U	0.0482	ug/L						
Demeton	<0.193	U	0.193	ug/L						
Diazinon	<0.482	U	0.482	ug/L						
Malathion	<0.0964	U	0.0964	ug/L						
Parathion, ethyl	<0.0964	U	0.0964	ug/L						
Surrogate: Tributyl Phosphate-surr	S		0.294	ug/L	0.193		152	40-120		
Surrogate: Triphenyl Phosphate-surr			0.163	ug/L	0.193		84.5	40-120		
LCS (BIB1538-BS1)			Prepared: 02/13/2025 Analyzed: 02/14/2025							
Azinphos-methyl (Guthion)	<0.100	J1, U	0.100	ug/L	0.250			37-150		
Chlorpyrifos	0.0444	J1, U	0.0500	ug/L	0.250		17.8	48-150		
Demeton	0.0173	J1, U	0.200	ug/L	0.250		6.90	16-150		
Diazinon	0.0377	J1, U	0.500	ug/L	0.250		15.1	50-150		
Malathion	0.0214	J1, U	0.100	ug/L	0.250		8.56	50-150		
Parathion, ethyl	0.0296	J1, U	0.100	ug/L	0.250		11.8	50-150		
Surrogate: Tributyl Phosphate-surr	S		0.0485	ug/L	0.200		24.2	40-120		
Surrogate: Triphenyl Phosphate-surr	S		0.0237	ug/L	0.200		11.9	40-120		
LCS Dup (BIB1538-BSD1)			Prepared: 02/13/2025 Analyzed: 02/14/2025							
Azinphos-methyl (Guthion)	<0.0964	J1, U	0.0964	ug/L	0.241			37-150	200	40
Chlorpyrifos	0.0358	J1, U	0.0482	ug/L	0.241		14.8	48-150	21.6	40
Demeton	0.0155	J1, U	0.193	ug/L	0.241		6.43	16-150	10.8	40
Diazinon	0.0322	J1, U	0.482	ug/L	0.241		13.4	50-150	15.6	40
Malathion	0.0197	J1, U	0.0964	ug/L	0.241		8.19	50-150	8.16	40
Parathion, ethyl	0.0269	J1, U	0.0964	ug/L	0.241		11.2	50-150	9.49	40
Surrogate: Tributyl Phosphate-surr	S		0.0453	ug/L	0.193		23.5	40-120		
Surrogate: Triphenyl Phosphate-surr	S		0.0234	ug/L	0.193		12.2	40-120		

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Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BIB1538 - EPA 1657 SPE (Continued)

Matrix Spike (BIB1538-MS1)

Source: 25B1727-02

Prepared: 02/13/2025 Analyzed: 02/14/2025

Azinphos-methyl (Guthion)	<0.101	J1, U	0.101	ug/L	0.252	<0.101		25-150		
Chlorpyrifos	0.0401	J1, U	0.0504	ug/L	0.252	<0.0504	15.9	25-150		
Demeton	<0.202	J1, U	0.202	ug/L	0.252	<0.202		25-150		
Diazinon	0.0368	J1, U	0.504	ug/L	0.252	<0.504	14.6	25-150		
Malathion	0.0198	J1, U	0.101	ug/L	0.252	<0.101	7.83	25-150		
Parathion, ethyl	0.0337	J1, U	0.101	ug/L	0.252	<0.101	13.4	25-150		
Surrogate: Tributyl Phosphate-surr		S	0.0375	ug/L	0.202		18.6	40-120		
Surrogate: Triphenyl Phosphate-surr		S	0.0244	ug/L	0.202		12.1	40-120		

Matrix Spike Dup (BIB1538-MSD1)

Source: 25B1727-02

Prepared: 02/13/2025 Analyzed: 02/14/2025

Azinphos-methyl (Guthion)	<0.0999	J1, U	0.0999	ug/L	0.250	<0.0999		25-150		40
Chlorpyrifos	0.120	J1	0.0499	ug/L	0.250	<0.0499	47.9	25-150	99.5	40
Demeton	<0.200	J1, U	0.200	ug/L	0.250	<0.200		25-150		40
Diazinon	0.127	J1, U	0.499	ug/L	0.250	<0.499	50.7	25-150	110	40
Malathion	0.0683	J1, U	0.0999	ug/L	0.250	<0.0999	27.3	25-150	110	40
Parathion, ethyl	0.106	J1	0.0999	ug/L	0.250	<0.0999	42.3	25-150	103	40
Surrogate: Tributyl Phosphate-surr			0.178	ug/L	0.200		89.3	40-120		
Surrogate: Triphenyl Phosphate-surr		S	0.0776	ug/L	0.200		38.8	40-120		

Batch: BIB1978 - SW-3511

Blank (BIB1978-BLK1)

Prepared: 02/17/2025 Analyzed: 02/18/2025

2,4-D	<0.700	U	0.700	ug/L						
Silvex (2,4,5-TP)	<0.300	U	0.300	ug/L						
Surrogate: DCAA-surr			28.9	ug/L	25.0		116	70-130		

LCS (BIB1978-BS1)

Prepared: 02/17/2025 Analyzed: 02/18/2025

2,4-D	4.81		0.700	ug/L	5.15		93.3	70-130		
Silvex (2,4,5-TP)	4.04		0.300	ug/L	5.00		80.7	70-130		
Surrogate: DCAA-surr			29.8	ug/L	25.0		119	70-130		



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Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BIB1978 - SW-3511 (Continued)

LCS Dup (BIB1978-BSD1)

Prepared: 02/17/2025 Analyzed: 02/18/2025

2,4-D	4.50		0.700	ug/L	5.15		87.4	70-130	6.50	30
Silvex (2,4,5-TP)	3.80		0.300	ug/L	5.00		76.0	70-130	6.03	30
Surrogate: DCAA-surr			26.3	ug/L	25.0		105	70-130		

BIB1533-BLK (BIB1978-LBK1)

Prepared: 02/17/2025 Analyzed: 02/19/2025

2,4-D	<0.943	U	0.943	ug/L						
Silvex (2,4,5-TP)	<0.951	U	0.951	ug/L						
Surrogate: DCAA-surr			117	ug/L	99.9		117	70-130		

Matrix Spike (BIB1978-MS1)

Source: 25B1371-01

Prepared: 02/17/2025 Analyzed: 02/18/2025

2,4-D	4.65		0.700	ug/L	5.15	0.242	85.7	70-130		
Silvex (2,4,5-TP)	4.06		0.300	ug/L	5.00	<0.300	81.2	70-130		
Surrogate: DCAA-surr			28.6	ug/L	25.0		115	70-130		

Matrix Spike Dup (BIB1978-MSD1)

Source: 25B1371-01

Prepared: 02/17/2025 Analyzed: 02/18/2025

2,4-D	4.95		0.700	ug/L	5.15	0.242	91.4	70-130	6.19	30
Silvex (2,4,5-TP)	4.31		0.300	ug/L	5.00	<0.300	86.3	70-130	6.09	30
Surrogate: DCAA-surr			31.1	ug/L	25.0		124	70-130		

Batch: BIB2350 - EPA 1657 SPE

Blank (BIB2350-BLK1)

Prepared: 02/19/2025 Analyzed: 02/20/2025

Azinphos-methyl (Guthion)	<0.100	R, U	0.100	ug/L						
Chlorpyrifos	<0.0500	R, U	0.0500	ug/L						
Demeton	<0.200	R, U	0.200	ug/L						
Diazinon	<0.500	R, U	0.500	ug/L						
Malathion	<0.100	R, U	0.100	ug/L						
Parathion, ethyl	<0.100	R, U	0.100	ug/L						
Surrogate: Tributyl Phosphate-surr	R		0.233	ug/L	0.200		116	40-120		
Surrogate: Triphenyl Phosphate-surr	R		0.109	ug/L	0.200		54.5	40-120		



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Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2350 - EPA 1657 SPE (Continued)										
Blank (BIB2350-BLK2)				Prepared: 02/19/2025 Analyzed: 02/22/2025						
Azinphos-methyl (Guthion)	<0.100	U	0.100	ug/L						
Chlorpyrifos	<0.0500	U	0.0500	ug/L						
Demeton	<0.200	U	0.200	ug/L						
Diazinon	<0.500	U	0.500	ug/L						
Malathion	<0.100	U	0.100	ug/L						
Parathion, ethyl	<0.100	U	0.100	ug/L						
Surrogate: Tributyl Phosphate-surr			0.233	ug/L	0.200		116	40-120		
Surrogate: Triphenyl Phosphate-surr			0.144	ug/L	0.200		72.1	40-120		
LCS (BIB2350-BS1)				Prepared: 02/19/2025 Analyzed: 02/20/2025						
Azinphos-methyl (Guthion)	0.0932	R, U	0.100	ug/L	0.251		37.1	37-150		
Chlorpyrifos	0.157	R	0.0502	ug/L	0.251		62.6	48-150		
Demeton	0.166	R, U	0.201	ug/L	0.251		66.2	16-150		
Diazinon	0.204	R, U	0.502	ug/L	0.251		81.3	50-150		
Malathion	0.128	R	0.100	ug/L	0.251		51.1	50-150		
Parathion, ethyl	0.144	R	0.100	ug/L	0.251		57.5	50-150		
Surrogate: Tributyl Phosphate-surr		R	0.237	ug/L	0.201		118	40-120		
Surrogate: Triphenyl Phosphate-surr		R	0.107	ug/L	0.201		53.1	40-120		
LCS (BIB2350-BS2)				Prepared: 02/19/2025 Analyzed: 02/22/2025						
Azinphos-methyl (Guthion)	0.132		0.100	ug/L	0.251		52.6	37-150		
Chlorpyrifos	0.208		0.0502	ug/L	0.251		82.8	48-150		
Demeton	0.145	U	0.201	ug/L	0.251		57.8	16-150		
Diazinon	0.252	U	0.502	ug/L	0.251		101	50-150		
Malathion	0.171		0.100	ug/L	0.251		68.1	50-150		
Parathion, ethyl	0.218		0.100	ug/L	0.251		86.8	50-150		
Surrogate: Tributyl Phosphate-surr		S	0.272	ug/L	0.201		136	40-120		
Surrogate: Triphenyl Phosphate-surr			0.151	ug/L	0.201		75.3	40-120		

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Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2350 - EPA 1657 SPE (Continued)										
LCS Dup (BIB2350-BSD1)					Prepared: 02/19/2025 Analyzed: 02/20/2025					
Azinphos-methyl (Guthion)	0.0733	J1, R, U	0.100	ug/L	0.251		29.3	37-150	23.8	40
Chlorpyrifos	0.132	R	0.0501	ug/L	0.251		52.6	48-150	17.4	40
Demeton	0.134	R, U	0.200	ug/L	0.251		53.4	16-150	21.6	40
Diazinon	0.166	R, U	0.501	ug/L	0.251		66.3	50-150	20.5	40
Malathion	0.125	J1, R	0.100	ug/L	0.251		49.9	50-150	2.46	40
Parathion, ethyl	0.124	J1, R	0.100	ug/L	0.251		49.6	50-150	14.8	40
Surrogate: Tributyl Phosphate-surr		R	0.157	ug/L	0.200		78.5	40-120		
Surrogate: Triphenyl Phosphate-surr		R	0.0864	ug/L	0.200		43.1	40-120		
LCS Dup (BIB2350-BSD2)					Prepared: 02/19/2025 Analyzed: 02/22/2025					
Azinphos-methyl (Guthion)	0.103		0.100	ug/L	0.251		40.9	37-150	25.2	40
Chlorpyrifos	0.184		0.0501	ug/L	0.251		73.4	48-150	12.1	40
Demeton	0.116	U	0.200	ug/L	0.251		46.5	16-150	21.8	40
Diazinon	0.212	U	0.501	ug/L	0.251		84.8	50-150	17.1	40
Malathion	0.175		0.100	ug/L	0.251		69.9	50-150	2.44	40
Parathion, ethyl	0.186		0.100	ug/L	0.251		74.2	50-150	15.8	40
Surrogate: Tributyl Phosphate-surr			0.193	ug/L	0.200		96.5	40-120		
Surrogate: Triphenyl Phosphate-surr			0.125	ug/L	0.200		62.3	40-120		
Matrix Spike (BIB2350-MS1)					Source: 25B2448-02RE1 Prepared: 02/19/2025 Analyzed: 02/20/2025					
Azinphos-methyl (Guthion)	0.0800	R, U	0.101	ug/L	0.252	<0.101	31.7	25-150		
Chlorpyrifos	0.129	R	0.0504	ug/L	0.252	<0.0504	51.4	25-150		
Demeton	0.277	R	0.202	ug/L	0.252	0.0179	103	25-150		
Diazinon	0.157	R, U	0.504	ug/L	0.252	<0.504	62.1	25-150		
Malathion	0.108	R	0.101	ug/L	0.252	0.0149	36.8	25-150		
Parathion, ethyl	0.119	R	0.101	ug/L	0.252	<0.101	47.4	25-150		
Surrogate: Tributyl Phosphate-surr		R	0.211	ug/L	0.202		105	40-120		
Surrogate: Triphenyl Phosphate-surr		R	0.0960	ug/L	0.202		47.6	40-120		



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Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
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Batch: BIB2350 - EPA 1657 SPE (Continued)

Matrix Spike (BIB2350-MS2)

Source: 25B2448-02RE2

Prepared: 02/19/2025 Analyzed: 02/22/2025

Azinphos-methyl (Guthion)	0.102		0.101	ug/L	0.252	<0.101	40.4	25-150	
Chlorpyrifos	0.172		0.0504	ug/L	0.252	<0.0504	68.1	25-150	
Demeton	0.242		0.202	ug/L	0.252	0.0157	89.8	25-150	
Diazinon	0.167	U	0.504	ug/L	0.252	<0.504	66.5	25-150	
Malathion	0.130		0.101	ug/L	0.252	<0.101	51.5	25-150	
Parathion, ethyl	0.156		0.101	ug/L	0.252	<0.101	62.0	25-150	
Surrogate: Tributyl Phosphate-surr			0.215	ug/L	0.202		107	40-120	
Surrogate: Triphenyl Phosphate-surr			0.133	ug/L	0.202		66.1	40-120	

Matrix Spike Dup (BIB2350-MSD1)

Source: 25B2448-02RE1

Prepared: 02/19/2025 Analyzed: 02/20/2025

Azinphos-methyl (Guthion)	0.0747	R, U	0.100	ug/L	0.250	<0.100	29.9	25-150	6.82	40
Chlorpyrifos	0.128	R	0.0500	ug/L	0.250	<0.0500	51.2	25-150	1.39	40
Demeton	0.266	R	0.200	ug/L	0.250	0.0179	99.6	25-150	3.82	40
Diazinon	0.148	R, U	0.500	ug/L	0.250	<0.500	59.5	25-150	5.34	40
Malathion	0.109	R	0.100	ug/L	0.250	0.0149	37.7	25-150	1.18	40
Parathion, ethyl	0.114	R	0.100	ug/L	0.250	<0.100	45.5	25-150	4.97	40
Surrogate: Tributyl Phosphate-surr		R	0.202	ug/L	0.200		101	40-120		
Surrogate: Triphenyl Phosphate-surr		R	0.0926	ug/L	0.200		46.4	40-120		

Matrix Spike Dup (BIB2350-MSD2)

Source: 25B2448-02RE2

Prepared: 02/19/2025 Analyzed: 02/23/2025

Azinphos-methyl (Guthion)	0.0960	U	0.0998	ug/L	0.250	<0.0998	38.5	25-150	5.89	40
Chlorpyrifos	0.159		0.0499	ug/L	0.250	<0.0499	63.9	25-150	7.41	40
Demeton	0.226		0.200	ug/L	0.250	0.0157	84.2	25-150	6.94	40
Diazinon	0.161	U	0.499	ug/L	0.250	<0.499	64.5	25-150	3.97	40
Malathion	0.131		0.0998	ug/L	0.250	<0.0998	52.6	25-150	1.18	40
Parathion, ethyl	0.145		0.0998	ug/L	0.250	<0.0998	58.1	25-150	7.44	40
Surrogate: Tributyl Phosphate-surr			0.209	ug/L	0.200		105	40-120		
Surrogate: Triphenyl Phosphate-surr			0.121	ug/L	0.200		60.9	40-120		



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Quality Control
(Continued)

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BIB1697 - EPA 200.8

Blank (BIB1697-BLK1)

Prepared: 02/13/2025 Analyzed: 02/17/2025

Antimony	<5.00	U	5.00	ug/L						
Barium	<3.00	U	3.00	ug/L						
Beryllium	<0.500	U	0.500	ug/L						
Cadmium	<1.00	U	1.00	ug/L						
Chromium	<6.00	U	6.00	ug/L						
Lead	<0.500	U	0.500	ug/L						
Nickel	<2.00	U	2.00	ug/L						
Selenium	<5.00	U	5.00	ug/L						
Silver	<0.500	U	0.500	ug/L						
Thallium	<0.500	U	0.500	ug/L						

Blank (BIB1697-BLK3)

Prepared: 02/13/2025 Analyzed: 02/18/2025

Aluminum	<5.00	U	5.00	ug/L						
Copper	<2.50	U	2.50	ug/L						

Blank (BIB1697-BLK4)

Prepared: 02/13/2025 Analyzed: 02/19/2025

Arsenic	<0.500	U	0.500	ug/L						
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Blank (BIB1697-BLK5)

Prepared: 02/13/2025 Analyzed: 02/21/2025

Zinc	<5.00	U	5.00	ug/L						
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LCS (BIB1697-BS1)

Prepared: 02/13/2025 Analyzed: 02/17/2025

Antimony	97.1		1.00	ug/L	100		97.1	85-115		
Barium	295		3.00	ug/L	300		98.5	85-115		
Beryllium	18.6		0.200	ug/L	20.0		92.8	85-115		
Cadmium	98.1		1.00	ug/L	100		98.1	85-115		
Chromium	289		6.00	ug/L	300		96.3	85-115		
Lead	48.6		0.500	ug/L	50.0		97.3	85-115		
Nickel	96.8		2.00	ug/L	100		96.8	85-115		
Selenium	194		5.00	ug/L	200		97.2	85-115		
Silver	49.8		0.500	ug/L	50.0		99.5	85-115		
Thallium	48.2		0.500	ug/L	50.0		96.4	85-115		

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Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1697 - EPA 200.8 (Continued)										
LCS (BIB1697-BS3)					Prepared: 02/13/2025 Analyzed: 02/18/2025					
Aluminum	249		5.00	ug/L	250		99.6	85-115		
Copper	104		2.50	ug/L	100		104	85-115		
LCS (BIB1697-BS4)					Prepared: 02/13/2025 Analyzed: 02/19/2025					
Arsenic	50.8		0.500	ug/L	50.0		102	85-115		
LCS (BIB1697-BS5)					Prepared: 02/13/2025 Analyzed: 02/21/2025					
Zinc	229		4.00	ug/L	200		115	85-115		
Duplicate (BIB1697-DUP1)					Source: 25A5402-01 Prepared: 02/13/2025 Analyzed: 02/17/2025					
Antimony	0.301	U	1.00	ug/L		0.370			20.6	20
Barium	41.2		3.00	ug/L		40.6			1.59	20
Beryllium	0.168	U	0.200	ug/L		0.176			4.65	20
Cadmium	0.0150	U	1.00	ug/L		0.0810			138	20
Chromium	4.08	U	6.00	ug/L		4.39			7.33	20
Lead	5.84		0.500	ug/L		5.74			1.73	20
Nickel	2.56		2.00	ug/L		2.96			14.6	20
Selenium	<5.00	U	5.00	ug/L		<5.00				20
Silver	0.100	U	0.500	ug/L		0.518			135	20
Thallium	<0.500	U	0.500	ug/L		<0.500				20
Duplicate (BIB1697-DUP3)					Source: 25A5402-01 Prepared: 02/13/2025 Analyzed: 02/18/2025					
Aluminum	2340		50.0	ug/L		2170			7.44	20
Copper	8.49		2.50	ug/L		8.43			0.698	20
Duplicate (BIB1697-DUP4)					Source: 25A5402-01 Prepared: 02/13/2025 Analyzed: 02/19/2025					
Arsenic	1.91		0.500	ug/L		1.90			0.158	20

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Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
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Batch: BIB1697 - EPA 200.8 (Continued)

Duplicate (BIB1697-DUP5)

Source: 25A5402-01

Prepared: 02/13/2025 Analyzed: 02/21/2025

Zinc	44.4		4.00	ug/L		43.9		1.19	20
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Matrix Spike (BIB1697-MS1)

Source: 25A5402-01

Prepared: 02/13/2025 Analyzed: 02/17/2025

Antimony	99.2		1.00	ug/L	100	0.370	98.9	75-125	
Barium	347		3.00	ug/L	300	40.6	102	75-125	
Beryllium	19.3		0.200	ug/L	20.0	0.176	95.7	75-125	
Cadmium	100		1.00	ug/L	100	0.0810	100	75-125	
Chromium	299		6.00	ug/L	300	4.39	98.2	75-125	
Lead	56.1		0.500	ug/L	50.0	5.74	101	75-125	
Nickel	99.9		2.00	ug/L	100	2.96	96.9	75-125	
Selenium	195		5.00	ug/L	200	<5.00	97.3	75-125	
Silver	50.5		0.500	ug/L	50.0	0.518	99.9	75-125	
Thallium	50.7		0.500	ug/L	50.0	<0.500	101	75-125	

Matrix Spike (BIB1697-MS3)

Source: 25A5402-01

Prepared: 02/13/2025 Analyzed: 02/18/2025

Aluminum	3790	J1	50.0	ug/L	250	2170	647	75-125	
Copper	113		2.50	ug/L	100	8.43	105	75-125	

Matrix Spike (BIB1697-MS4)

Source: 25A5402-01

Prepared: 02/13/2025 Analyzed: 02/19/2025

Arsenic	53.9		0.500	ug/L	50.0	1.90	104	75-125	
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Matrix Spike (BIB1697-MS5)

Source: 25A5402-01

Prepared: 02/13/2025 Analyzed: 02/21/2025

Zinc	250		4.00	ug/L	200	43.9	103	75-125	
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Batch: BIB2034 - EPA 1631

Blank (BIB2034-BLK1)

Prepared: 02/17/2025 Analyzed: 02/18/2025

Mercury	<0.00500	U	0.00500	ug/L					
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Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2034 - EPA 1631 (Continued)										
Blank (BIB2034-BLK2)					Prepared: 02/17/2025 Analyzed: 02/18/2025					
Mercury	<0.00500	U	0.00500	ug/L						
Blank (BIB2034-BLK3)					Prepared: 02/17/2025 Analyzed: 02/18/2025					
Mercury	<0.00500	U	0.00500	ug/L						
Matrix Spike (BIB2034-MS1)					Source: 25B0663-02 Prepared: 02/17/2025 Analyzed: 02/18/2025					
Mercury	0.0202	J1	0.00526	ug/L	0.0526	0.00517	28.5	71-125		
Matrix Spike (BIB2034-MS2)					Source: 25B2448-03 Prepared: 02/17/2025 Analyzed: 02/18/2025					
Mercury	0.0307	J1	0.00526	ug/L	0.0526	<0.00526	58.3	71-125		
Matrix Spike Dup (BIB2034-MSD1)					Source: 25B0663-02 Prepared: 02/17/2025 Analyzed: 02/18/2025					
Mercury	0.0272	J1	0.00526	ug/L	0.0526	0.00517	41.9	71-125	29.9	24
Matrix Spike Dup (BIB2034-MSD2)					Source: 25B2448-03 Prepared: 02/17/2025 Analyzed: 02/18/2025					
Mercury	0.0309	J1	0.00526	ug/L	0.0526	<0.00526	58.8	71-125	0.793	24



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Quality Control
(Continued)

Metals, Dissolved

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
Batch: BIB1563 - Cr VI									
Matrix Spike (BIB1563-MS1)									
Source: 25B2448-02									
Prepared & Analyzed: 02/13/2025									
Chromium (VI)	241		3.00	ug/L	250	1.00	95.9	70-130	
Matrix Spike Dup (BIB1563-MSD1)									
Source: 25B2448-02									
Prepared & Analyzed: 02/13/2025									
Chromium (VI)	241		3.00	ug/L	250	1.00	95.9	70-130	0.0664 20

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Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1432 - EPA 300.0										
Duplicate (BIB1432-DUP1)			Source: 25B2366-02		Prepared & Analyzed: 02/12/2025					
Sulfate	63.4		20.0	mg/L		63.6			0.220	15
Nitrate as N	19000		2000	ug/L		19200			0.628	15
Nitrite as N	<50.0	U	50.0	ug/L		<50.0				15
Fluoride	0.437		0.250	mg/L		0.441			0.911	15
Chloride	254		20.0	mg/L		257			0.955	15
Duplicate (BIB1432-DUP2)			Source: 25B2382-02		Prepared & Analyzed: 02/12/2025					
Fluoride	0.156	U	0.250	mg/L		0.161			3.15	15
Sulfate	45.6		20.0	mg/L		45.0			1.24	15
Nitrite as N	<50.0	U	50.0	ug/L		<50.0				15
Nitrate as N	22000		2000	ug/L		21800			1.01	15
Chloride	102		20.0	mg/L		101			0.903	15
MRL Check (BIB1432-MRL1)			Prepared & Analyzed: 02/12/2025							
Nitrate as N	106		100	ug/L	100		106	50-150		
Nitrite as N	41.0	U	50.0	ug/L	50.0		82.0	50-150		
Chloride	1.10		1.00	mg/L	1.00		110	50-150		
Sulfate	1.12		1.00	mg/L	1.00		112	50-150		
Fluoride	0.255		0.250	mg/L	0.250		102	50-150		
Matrix Spike (BIB1432-MS1)			Source: 25B2366-02		Prepared & Analyzed: 02/12/2025					
Sulfate	84.6		22.2	mg/L	22.2	63.6	94.7	80-120		
Nitrite as N	1850	J1	55.6	ug/L	1110	<55.6	166	80-120		
Nitrate as N	21200		2220	ug/L	2220	19200	91.8	80-120		
Chloride	281	J1	22.2	mg/L	11.1	257	218	80-120		
Fluoride	5.54		0.278	mg/L	5.56	0.441	91.7	80-120		
Matrix Spike (BIB1432-MS2)			Source: 25B2382-02		Prepared & Analyzed: 02/12/2025					
Nitrite as N	1320		55.6	ug/L	1110	<55.6	119	80-120		
Fluoride	5.18		0.278	mg/L	5.56	0.161	90.3	80-120		
Sulfate	65.4		22.2	mg/L	22.2	45.0	91.7	80-120		
Nitrate as N	23900		2220	ug/L	2220	21800	93.9	80-120		
Chloride	118	J1	22.2	mg/L	11.1	101	145	80-120		

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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1532 - CBOD-5210										
LCS (BIB1532-BS1)										
Carbonaceous BOD (CBOD)	170			mg/L	198		85.8	85-115		
Duplicate (BIB1532-DUP1)										
Carbonaceous BOD (CBOD)	2.71		2.40	mg/L		<2.40			200	40
Duplicate (BIB1532-DUP2)										
Carbonaceous BOD (CBOD)	4.66		2.40	mg/L		4.33			7.52	40
Duplicate (BIB1532-DUP3)										
Carbonaceous BOD (CBOD)	<2.40	U	2.40	mg/L		<2.40				40
Duplicate (BIB1532-DUP4)										
Carbonaceous BOD (CBOD)	2.59		2.40	mg/L		3.04			16.0	40
Duplicate (BIB1532-DUP5)										
Carbonaceous BOD (CBOD)	<2.40	U	2.40	mg/L		2.53			200	40
Duplicate (BIB1532-DUP6)										
Carbonaceous BOD (CBOD)	3.13		2.40	mg/L		2.50			22.5	40
Duplicate (BIB1532-DUP7)										
Carbonaceous BOD (CBOD)	3.95		2.40	mg/L		4.38			10.3	40
Duplicate (BIB1532-DUP8)										
Carbonaceous BOD (CBOD)	6.45		2.40	mg/L		6.31			2.16	40
Duplicate (BIB1532-DUP9)										
Carbonaceous BOD (CBOD)	2.48		2.40	mg/L		<2.40			200	40

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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1540 - NH3-N SEAL-350.1										
Matrix Spike (BIB1540-MS1)		Source: 25B2483-02			Prepared & Analyzed: 02/13/2025					
Ammonia as N	0.355		0.0401	mg/L	0.200	0.140	107	90-110		
Matrix Spike (BIB1540-MS2)		Source: 25B0747-01			Prepared & Analyzed: 02/13/2025					
Ammonia as N	0.270		0.0401	mg/L	0.200	0.0610	104	90-110		
Matrix Spike Dup (BIB1540-MSD1)		Source: 25B2483-02			Prepared & Analyzed: 02/13/2025					
Ammonia as N	0.363	J1	0.0401	mg/L	0.200	0.140	111	90-110	2.23	20
Matrix Spike Dup (BIB1540-MSD2)		Source: 25B0747-01			Prepared & Analyzed: 02/13/2025					
Ammonia as N	0.274		0.0401	mg/L	0.200	0.0610	106	90-110	1.48	20
Batch: BIB1633 - TSS										
Blank (BIB1633-BLK1)		Prepared: 02/13/2025 Analyzed: 02/14/2025								
Residue-nonfilterable (TSS)	<1.00	U	1.00	mg/L						
LCS (BIB1633-BS1)		Prepared: 02/13/2025 Analyzed: 02/14/2025								
Residue-nonfilterable (TSS)	99.1		1.00	mg/L	100		99.1	85-115		
Duplicate (BIB1633-DUP1)		Source: 25B2448-02			Prepared: 02/13/2025 Analyzed: 02/14/2025					
Residue-nonfilterable (TSS)	2.53	J1	1.00	mg/L		1.68			40.0	10
Duplicate (BIB1633-DUP2)		Source: 25B2577-01			Prepared: 02/13/2025 Analyzed: 02/14/2025					
Residue-nonfilterable (TSS)	4.42	J1	1.00	mg/L		3.37			27.0	10
Batch: BIB1665 - EPA 300.0										
Duplicate (BIB1665-DUP1)		Source: 25B0526-03			Prepared & Analyzed: 02/13/2025					
Nitrate as N	569		100	ug/L		555			2.49	15

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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1665 - EPA 300.0 (Continued)										
Duplicate (BIB1665-DUP2)		Source: 25B2918-03			Prepared & Analyzed: 02/13/2025					
Nitrate as N	466		100	ug/L		470			0.855	15
MRL Check (BIB1665-MRL1)					Prepared & Analyzed: 02/13/2025					
Nitrate as N	<100	J1, U	100	ug/L	100			50-150		
Matrix Spike (BIB1665-MS1)		Source: 25B0526-03			Prepared & Analyzed: 02/13/2025					
Nitrate as N	2640		111	ug/L	2220	555	93.9	80-120		
Matrix Spike (BIB1665-MS2)		Source: 25B2918-03			Prepared & Analyzed: 02/13/2025					
Nitrate as N	2530		111	ug/L	2220	470	92.6	80-120		
Batch: BIB1681 - EPA 300.0										
Duplicate (BIB1681-DUP1)		Source: 25B0850-01			Prepared & Analyzed: 02/13/2025					
Chloride	183		10.0	mg/L		184			0.425	15
Fluoride	0.176	U	0.250	mg/L		0.187			6.06	15
MRL Check (BIB1681-MRL1)					Prepared & Analyzed: 02/13/2025					
Chloride	1.08		1.00	mg/L	1.00		108	50-150		
Fluoride	<0.250	J1, U	0.250	mg/L	0.250			50-150		
Matrix Spike (BIB1681-MS1)		Source: 25B0850-01			Prepared & Analyzed: 02/13/2025					
Chloride	197		11.1	mg/L	11.1	184	119	80-120		
Fluoride	5.19		0.278	mg/L	5.56	0.187	90.0	80-120		
Batch: BIB1682 - TDS										
Blank (BIB1682-BLK1)					Prepared: 02/13/2025 Analyzed: 02/14/2025					
Residue-filterable (TDS)	<10.0	U	10.0	mg/L						

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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BIB1682 - TDS (Continued)

LCS (BIB1682-BS1)

Prepared: 02/13/2025 Analyzed: 02/14/2025

Residue-filterable (TDS)	147		10.0	mg/L	150		98.0	90-110		
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Duplicate (BIB1682-DUP1)

Source: 25B2448-02

Prepared: 02/13/2025 Analyzed: 02/14/2025

Residue-filterable (TDS)	308		10.0	mg/L		314			1.93	10
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Batch: BIB1690 - TKN T

Blank (BIB1690-BLK1)

Prepared: 02/13/2025 Analyzed: 02/14/2025

Total Kjeldahl Nitrogen - (TKN)	<1.00	U	1.00	mg/L						
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LCS (BIB1690-BS1)

Prepared: 02/13/2025 Analyzed: 02/14/2025

Total Kjeldahl Nitrogen - (TKN)	2.24		1.00	mg/L	2.60		86.2	85-115		
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Duplicate (BIB1690-DUP1)

Source: 25B0286-01

Prepared: 02/13/2025 Analyzed: 02/14/2025

Total Kjeldahl Nitrogen - (TKN)	0.448	U	1.00	mg/L		0.448			0.00	20
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Matrix Spike (BIB1690-MS1)

Source: 25B0286-01

Prepared: 02/13/2025 Analyzed: 02/14/2025

Total Kjeldahl Nitrogen - (TKN)	4.37		1.00	mg/L	4.00	0.448	98.0	85-115		
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Batch: BIB1753 - Phosphorus EPA 365.1

LCS (BIB1753-BS1)

Prepared: 02/13/2025 Analyzed: 02/14/2025

Total Phosphorus	0.253		0.0100	mg/L	0.250		101	90-110		
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Matrix Spike (BIB1753-MS1)

Source: 25B2662-03

Prepared: 02/13/2025 Analyzed: 02/14/2025

Total Phosphorus	16.8		0.500	mg/L	12.5	4.45	98.9	80-120		
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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BIB1753 - Phosphorus EPA 365.1 (Continued)

Matrix Spike (BIB1753-MS2)

Source: 25B2487-04

Prepared: 02/13/2025 Analyzed: 02/14/2025

Total Phosphorus	19.7		0.500	mg/L	12.5	7.24	99.6	80-120		
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Matrix Spike Dup (BIB1753-MSD1)

Source: 25B2662-03

Prepared: 02/13/2025 Analyzed: 02/14/2025

Total Phosphorus	17.1		0.500	mg/L	12.5	4.45	101	80-120	1.62	20
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Matrix Spike Dup (BIB1753-MSD2)

Source: 25B2487-04

Prepared: 02/13/2025 Analyzed: 02/14/2025

Total Phosphorus	19.6		0.500	mg/L	12.5	7.24	98.8	80-120	0.509	20
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Batch: BIB1754 - Alkalinity

Blank (BIB1754-BLK1)

Prepared & Analyzed: 02/14/2025

Alkalinity as CaCO ₃	<10.0	U	10.0	mg/L						
Conductivity	<2.00	U	2.00	umhos/cm @ 25 °C						

LCS (BIB1754-BS1)

Prepared & Analyzed: 02/14/2025

Conductivity	1410			umhos/cm @ 25 °C	1410		100	90-110		
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QCS (BIB1754-BS2)

Prepared & Analyzed: 02/14/2025

Conductivity	509			umhos/cm @ 25 °C	500		102	90-110		
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LCS (BIB1754-BS4)

Prepared & Analyzed: 02/14/2025

Alkalinity as CaCO ₃	99.2			mg/L	100		99.2	90-110		
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Duplicate (BIB1754-DUP1)

Source: 25B0815-01

Prepared & Analyzed: 02/14/2025

Conductivity	2000		2.00	umhos/cm @ 25 °C		1960			1.87	15
Alkalinity as CaCO ₃	97.3		10.0	mg/L		98.1			0.839	15



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Quality Control (Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1754 - Alkalinity (Continued)										
Duplicate (BIB1754-DUP2)		Source: 25B2481-01			Prepared & Analyzed: 02/14/2025					
Alkalinity as CaCO ₃	38.8		10.0	mg/L		38.0			2.06	15
Conductivity	472		2.00	umhos/cm @ 25 °C		466			1.28	15
Batch: BIB1951 - CN-4500										
Blank (BIB1951-BLK1)					Prepared & Analyzed: 02/17/2025					
Total Cyanide	<10.0	U	10.0	ug/L						
LCS (BIB1951-BS1)					Prepared & Analyzed: 02/17/2025					
Total Cyanide	188		10.0	ug/L	200		93.9	90-110		
QCS (BIB1951-BS2)					Prepared & Analyzed: 02/17/2025					
Total Cyanide	189		10.0	ug/L	200		94.4	90-110		
MRL Check (BIB1951-MRL1)					Prepared & Analyzed: 02/17/2025					
Total Cyanide	13.0		10.0	ug/L	10.0		130	50-150		
Matrix Spike (BIB1951-MS1)		Source: 25B0525-03			Prepared & Analyzed: 02/17/2025					
Total Cyanide	353		10.0	ug/L	200	168	92.5	80-120		
Matrix Spike Dup (BIB1951-MSD1)		Source: 25B0525-03			Prepared & Analyzed: 02/17/2025					
Total Cyanide	361		10.0	ug/L	200	168	96.3	80-120	2.17	20
Batch: BIB1990 - Phosphorus EPA 365.1										
LCS (BIB1990-BS1)					Prepared & Analyzed: 02/17/2025					
Total Phosphorus	0.245		0.0100	mg/L	0.250		98.1	90-110		

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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
Batch: BIB1990 - Phosphorus EPA 365.1 (Continued)									
Matrix Spike (BIB1990-MS1)		Source: 25B2819-04			Prepared & Analyzed: 02/17/2025				
Total Phosphorus	38.6		0.500	mg/L	12.5	27.6	87.6	80-120	
Matrix Spike (BIB1990-MS2)		Source: 25B2740-04			Prepared & Analyzed: 02/17/2025				
Total Phosphorus	23.7		0.500	mg/L	12.5	11.4	98.4	80-120	
Matrix Spike Dup (BIB1990-MSD1)		Source: 25B2819-04			Prepared & Analyzed: 02/17/2025				
Total Phosphorus	39.4		0.500	mg/L	12.5	27.6	94.1	80-120	2.09 20
Matrix Spike Dup (BIB1990-MSD2)		Source: 25B2740-04			Prepared & Analyzed: 02/17/2025				
Total Phosphorus	24.0		0.500	mg/L	12.5	11.4	101	80-120	1.39 20
Batch: BIB2126 - EPA 1664									
Blank (BIB2126-BLK1)					Prepared & Analyzed: 02/18/2025				
n-Hexane Extractable Material (O&G)	<5.00	U	5.00	mg/L					
LCS (BIB2126-BS1)					Prepared & Analyzed: 02/18/2025				
n-Hexane Extractable Material (O&G)	45.0		5.00	mg/L	40.0		113	77.5-114.5	
LCS Dup (BIB2126-BSD1)					Prepared & Analyzed: 02/18/2025				
n-Hexane Extractable Material (O&G)	42.0		5.00	mg/L	40.0		105	77.5-114.5	6.85 20
Matrix Spike (BIB2126-MS1)		Source: 25B2448-01			Prepared & Analyzed: 02/18/2025				
n-Hexane Extractable Material (O&G)	28.9	J1	5.00	mg/L	40.0	<5.00	72.2	77.5-114.5	

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Quality Control (Continued)

Microbiology

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
Batch: BIB1440 - TC EC Quantitray									
Blank (BIB1440-BLK1)									
Escherichia coli (E. coli)	<1.00	U	1.00	MPN/100 mL					
Prepared: 02/12/2025 Analyzed: 02/13/2025									
Duplicate (BIB1440-DUP1)									
Escherichia coli (E. coli)	<1.00	U	1.00	MPN/100 mL		1.00		200	200
Prepared: 02/12/2025 Analyzed: 02/13/2025									
Batch: BIB1441 - ENT Quantitray									
Blank (BIB1441-BLK1)									
Enterococci	<1.00	U	1.00	MPN/100 mL					
Prepared: 02/12/2025 Analyzed: 02/13/2025									
Duplicate (BIB1441-DUP1)									
Enterococci	1.00		1.00	MPN/100 mL		1.00		0.00	200
Prepared: 02/12/2025 Analyzed: 02/13/2025									

* A = Accredited, N = Not Accredited or Accreditation not available



Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/18/2025 11:05

Sample Condition Checklist

Work Order: 25B2274

Check Points

No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

Work Order: 25B2275

Check Points

No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

Work Order: 25B2448

Check Points

No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/18/2025 11:05

Term and Qualifier Definitions

Item	Definition
C-	The associated calibration QC is lower than the established quality control criteria for accuracy.
C+	The associated calibration QC is higher than the established quality control criteria for accuracy - no hit in sample; data not affected and acceptable to report.
FF	The blank for biochemical oxygen demand depleted more than the method limit of 0.20 mg/l.
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
R	The sample results are unusable due to the quality of the data generated. The analyte may or may not be present in the sample. The sample will be rerun, if possible.
S	The surrogate recovery was outside the established laboratory recovery limit.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available



CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com

TCEQ TX-C24-00185

Lab PM : Rebecca Rabon			Project Name : Mayde Creek - Outfall 001 3 Part Grab Composite 1			
Inframark Dana Angelos 32259 Morton Road Brookshire, TX 77423 Phone: (346) 570-4055			Project Comments: DAY OF GRAB 1 - TAKE GLASS RECEPTACLE & PLACE IN SAMPLER COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH OTHER FIELD TECH IF NEEDED			
Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation
25B2274-01	18 Mohm DI		2/11/2025 1450	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631 Br
25B2274-02	Outfall 001 3 Part Grab		2/11/2025	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 Br Composite VOA 4"

Field Remarks:		Lab Preservation: H2SO4 HNO3 NaO	
(Circle and Write ID Below)			
Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)
Print Name	Relinquished By: (Signature)	Date/Time	Received By: (Signature)
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 2/11/25 1655	Received for Laboratory By: (Signature)
Custody Seal : Yes / No	COC Labels Agree: Yes / No	Appropriate Volume: Yes / No	Received on Ice: Yes / No
Container Intact: Yes / No	Appropriate Containers: Yes / No	Coolers Intact: Yes / No	Samples Accepted: Yes / No

Katy North

wko_



CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com

TCEQ TX-C24-00185

Lab PM : Rebecca Rabon		Project Name : Mayde Creek - Outfall 001 3 Part Grab Composite 2				
Inframark Dana Angelos 32259 Morton Road Brookshire, TX 77423 Phone: (346) 570-4055		Project Comments: COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH OTHER FIELD TECH IF NEEDED				
Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation
25B2275-01	18 Mohm DI		2/11/2025 1450	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631 Br
25B2275-02	Outfall 001 3 Part Grab		2/11/2025 1	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 Br Composite VOA 4*

Field Remarks:		Lab Preservation: H2SO4 HNO3 NaO	
		(Circle and Write ID Below)	
Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)
Print Name	Relinquished By: (Signature)	Date/Time	Received By: (Signature)
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 2/11/25 1655	Received for Laboratory By: (Signature)
Custody Seal: Yes / No	COC Labels Agree: Yes / No	Appropriate Volume: Yes / No	Received on ice: Yes / No
Container Intact: Yes / No	Appropriate Containers: Yes / No	Coolers Intact: Yes / No	Samples Accepted: Yes / No

Katy North

wko_1



CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com

TCEQ TX-C24-00185

Lab PM : Rebecca Rabon	Project Name : Mayde Creek - NP - Permit Renewal
Inframark Dana Angelos 32259 Morton Road Brookshire, TX 77423 Phone: (346) 570-4055	Project Comments: DO reading must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on the regular chain

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation
25B2448-01	Outfall 001		2/12/2025 10845	AQ Grab	A HDPE 250mL NaOH B HDPE S250mL Na2S2O3 C Glass Wide 1L w/ Teflon-lined Lid D HDPE S250mL Na2S2O3	ENT-ASTMD6503 TC EC-9223 O&G-1664 CN AMEN-4500 CN T-4500



CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com

TCEQ TX-C24-00185

Lab PM : Rebecca Rabon		Project Name : Mayde Creek - NP - Permit Renewal			
Inframark Dana Angelos 32259 Morton Road Brookshire, TX 77423 Phone: (346) 570-4055		Project Comments: DO reading must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on the regular chain			
25B2448-02	Outfall 001 Sampler	2-11-25/OSU	2/12/2025/OSU	AQ 24HR Comp	A HDPE 250mL AAHDPE 1L B Amber Glass 1L w/ Teflon-lined Lid C Amber Glass 1L w/ Teflon-lined Lid D HDPE 1L E PreCleaned HDPE 250mL HNO3 F HDPE 250mL G Glass VOA 60mL Protocol A H Glass VOA 60mL Protocol A I Glass VOA 60mL Protocol A J HDPE 250mL K HDPE 250mL H2SO4 L Amber Glass 250mL w/ Teflon-lined Lid M Amber Glass 250mL w/ Teflon-lined Lid N Amber Glass 1L w/ Teflon-lined Lid O Amber Glass 1L w/ Teflon-lined Lid P Amber Glass 1L w/ Teflon-lined Lid Q Amber Glass 1L w/ Teflon-lined Lid R Amber Glass 1L w/ Teflon-lined Lid S Amber Glass 1L w/ Teflon-lined Lid T Amber Glass 1L w/ Teflon-lined Lid U Amber Glass 1L w/ Teflon-lined Lid V Amber Glass 250mL w/ Teflon-lined Lid W Amber Glass 250mL w/ Teflon-lined Lid X HDPE 250mL Y HDPE 250mL H2SO4 Z HDPE 250mL H2SO4
					Aluminum ICPMS 200.8 HM Antimony ICPMS 200.8 HM Arsenic ICPMS 200.8 HM Barium ICPMS 200.8 HM Beryllium ICPMS 200.8 HM Cadmium ICPMS 200.8 HM Chromium ICPMS 200.8 HM Copper ICPMS 200.8 HM Lead ICPMS 200.8 HM LPR Metals [Gr Nickel ICPMS 200.8 HM Selenium ICPMS 200.8 HM Silver ICPMS 200.8 HM Thallium ICPMS 200.8 HM Zinc ICPMS 200.8 HM HERB-6640 4°C Nonylphenol-D7065 4°C OCP-608.3 4°C OPP-1657 4°C PCB-608.3 4°C SVOA-625.1 4°C Sub_CBURP-632 4°C Alkalinity-2320 4°C CBOD-5210 4°C Chloride IC 300.0 4°C Conductivity-2510 4°C Cr III ICPMS [Gr Cr VI-D 3500 Cr6 Fluoride IC 300.0 4°C LPR Anions [Gr NH3-N SEAL-350.1 H2 Nitrate as N IC 300.0 4°C Nitrite as N IC 300.0 4°C Sulfate IC 300.0 4°C TDS-2540 4°C TKN T-4500 C H2 Total Phosphorus-365.1-H2 TSS-2540 4°C



CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com

TCEQ TX-C24-00185

Lab PM : Rebecca Rabon			Project Name : Mayde Creek - NP - Permit Renewal				
Inframark Dana Angelos 32259 Morton Road Brookshire, TX 77423 Phone: (346) 570-4055			Project Comments: DO reading must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on the regular chain				
25B2448-03	Outfall 001 3 Part Grab		2/12/2025 6:45	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 Composite VOA	Br 4°C
25B2448-04	Outfall 001 3 Part Grab		2/12/2025	AQ Grab 3-Part Cor		VOA-624.1	4°C
25B2448-05	18 Mohm DI		2/12/2025	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	Br

Field Remarks:		Lab Preservation: H2SO4 HNO3 NaOH (Circle and Write ID Below)	
Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)
Print Name	Relinquished By: (Signature)	Date/Time	Received By: (Signature)
Affiliation	Relinquished To Lab By: (Signature)	Date/Time	Received for Laboratory By: (Signature)
Custody Seal : Yes / No	COC Labels Agree: Yes / No	Appropriate Volume: Yes / No	Received on Ice: Yes / No
Container Intact : Yes / No	Appropriate Containers: Yes / No	Coolers Intact: Yes / No	Samples Accepted: Yes / No

Katy North

wko_



Outlook

RE: Mayde Creek

From Rebecca Rabon <rebecca.rabon@nwdls.com>

Date Thu 2/13/2025 3:29 PM

To Kaitlyn Cossman <kaitlyn.cossman@nwdls.com>; Angela Martinez <angela.martinez@nwdls.com>; Receiving Team <receivingteam@nwdls.com>

I just heard back from the operator Al Alberson and the flow was 0.834

Best Regards,



Rebecca Rabon
Project Manager

130 South Trade Center Parkway (Conroe, TX 77385



936.321.6060



832.987.5819



rebecca.rabon@nwdls.com



www.nwdls.com

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From: Kaitlyn Cossman <kaitlyn.cossman@nwdls.com>

Sent: Thursday, February 13, 2025 2:24 PM

To: Angela Martinez <angela.martinez@nwdls.com>; Rebecca Rabon

25B2448



Laboratory Analysis Report

Total Number of Pages: 9

Job ID : 25021465



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, <http://www.ablabs.com>

Client Project Name : 25B2448

Report To :	Client Name:	NWDLS	P.O.#.: 25B2448
	Attn:	Rebecca Rabon	Sample Collected By:
	Client Address:	130 S Trade Center Pkwy	Date Collected: 02/12/25
	City, State, Zip:	Conroe, Texas, 77385	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
25B2448-02	Waste Water	25021465.01

A handwritten signature in black ink, appearing to read 'R. Rangasamy'.

Released By: Gobinath Rangasamy
Title: Project Manager
Date: 2/21/2025



This Laboratory is NELAP (T104704213-23-31) accredited. Effective: 04/01/2024; Expires: 03/31/2025
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

ab-q210-0321

Date Received : 02/14/2025 08:38

LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID : 25021465

Date: 2/21/2025

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RLU	Relative Light Unit
J	Estimation. Below calibration range but above MDL	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
LOD	Limit of detection adjusted for %M + DF	SQL	Sample Quantitation Limit
LOQ	Limit of Quantitation adjusted for %M + DF	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight	UQL	Unadjusted Upper Quantitation Limit
MQL	Unadjusted Minimum Quantitation Limit		

Qualifier Definition

U	Undetected at SDL (Sample Detection Limit).
---	---

**LABORATORY TEST RESULTS**

Job ID : 25021465

Date 2/21/2025

Client Name: NWDLS

Attn: Rebecca Rabon

Project Name: 25B2448

Client Sample ID: 25B2448-02

Job Sample ID: 25021465.01

Date Collected: 02/12/25

Sample Matrix Waste Water

Time Collected: 05:00

% Moisture

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 608.3	Polychlorinated Biphenyls									
	Aroclor 1016	<0.03	ug/L	1.00	0.03	0.0500		U	02/14/25 16:37	MQ
	Aroclor 1221	<0.02	ug/L	1.00	0.02	0.0500		U	02/14/25 16:37	MQ
	Aroclor 1232	<0.0049	ug/L	1.00	0.0049	0.0500		U	02/14/25 16:37	MQ
	Aroclor 1242	<0.0017	ug/L	1.00	0.0017	0.0500		U	02/14/25 16:37	MQ
	Aroclor 1248	<0.01	ug/L	1.00	0.01	0.0500		U	02/14/25 16:37	MQ
	Aroclor 1254	<0.0047	ug/L	1.00	0.0047	0.0500		U	02/14/25 16:37	MQ
	Aroclor 1260	<0.03	ug/L	1.00	0.03	0.0500		U	02/14/25 16:37	MQ
	Total PCBs	<0.03	ug/L	1.00	0.03	0.0500		U	02/14/25 16:37	MQ
	Decachlorobiphenyl(surr)	49	%	1.00		35-129			02/14/25 16:37	MQ
	Tetrachloro-m-xylene(surr)	54.5	%	1.00		27-127			02/14/25 16:37	MQ
EPA 608.3	Organochlorine Pesticides									
	Alpha-chlordane	<0.004	ug/L	1.00	0.004	0.010		U	02/14/25 16:24	MQ
	Dicofol ²	<0.050	ug/L	1.00	0.050	0.050		U	02/14/25 16:24	MQ
	Gamma-chlordane	<0.004	ug/L	1.00	0.004	0.010		U	02/14/25 16:24	MQ
	4,4-DDD	<0.002	ug/L	1.00	0.002	0.010		U	02/14/25 16:24	MQ
	4,4-DDE	<0.009	ug/L	1.00	0.009	0.010		U	02/14/25 16:24	MQ
	4,4-DDT	<0.004	ug/L	1.00	0.004	0.010		U	02/14/25 16:24	MQ
	a-BHC	<0.003	ug/L	1.00	0.003	0.010		U	02/14/25 16:24	MQ
	Aldrin	<0.004	ug/L	1.00	0.004	0.010		U	02/14/25 16:24	MQ
	b-BHC	<0.004	ug/L	1.00	0.004	0.010		U	02/14/25 16:24	MQ
	Chlordane	<0.100	ug/L	1.00	0.100	0.100		U	02/14/25 16:24	MQ
	d-BHC	<0.006	ug/L	1.00	0.006	0.010		U	02/14/25 16:24	MQ
	Dieldrin	<0.005	ug/L	1.00	0.005	0.010		U	02/14/25 16:24	MQ
	Endosulfan I	<0.007	ug/L	1.00	0.007	0.010		U	02/14/25 16:24	MQ
	Endosulfan II	<0.004	ug/L	1.00	0.004	0.010		U	02/14/25 16:24	MQ
	Endosulfan sulfate	<0.005	ug/L	1.00	0.005	0.010		U	02/14/25 16:24	MQ
	Endrin	<0.004	ug/L	1.00	0.004	0.010		U	02/14/25 16:24	MQ
	Endrin aldehyde	<0.003	ug/L	1.00	0.003	0.010		U	02/14/25 16:24	MQ
	g-BHC	<0.004	ug/L	1.00	0.004	0.010		U	02/14/25 16:24	MQ
	Heptachlor	<0.004	ug/L	1.00	0.004	0.010		U	02/14/25 16:24	MQ
	Heptachlor epoxide	<0.004	ug/L	1.00	0.004	0.010		U	02/14/25 16:24	MQ
	Methoxychlor	<0.003	ug/L	1.00	0.003	0.010		U	02/14/25 16:24	MQ
	Mirex ²	<0.010	ug/L	1.00	0.010	0.010		U	02/14/25 16:24	MQ
	Toxaphene	<0.100	ug/L	1.00	0.100	0.100		U	02/14/25 16:24	MQ
	Decachlorobiphenyl(surr)	47	%	1.00		34-120			02/14/25 16:24	MQ

ab-q212-0321

**LABORATORY TEST RESULTS**

Job ID : 25021465

Date 2/21/2025

Client Name: NWDLS

Attn: Rebecca Rabon

Project Name: 25B2448

Client Sample ID: 25B2448-02

Job Sample ID: 25021465.01

Date Collected: 02/12/25

Sample Matrix Waste Water

Time Collected: 05:00

% Moisture

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 608.3	Organochlorine Pesticides									
	Tetrachloro-m-xylene(surr)	89.8	%	1.00		24-127			02/14/25 16:24	MQ

ab-q212-0321

²-Parameter not available for accreditation.

QUALITY CONTROL CERTIFICATE



Job ID : 25021465

Date : 2/21/2025

Analysis : Organochlorine Pesticides

Method : EPA 608.3

Reporting Units : ug/L

QC Batch ID : Qb25021499

Created Date : 02/14/25

Created By : mqiao

Samples in This QC Batch : 25021465.01

Extraction : PB25021412

Prep Method : EPA 608.3

Prep Date : 02/14/25 12:00 **Prep By :** KHaxhillari

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL	Qual
Alpha-chlordane	5103-71-9	< MDL	ug/L	1.00	0.01	0.004	
Dicofol	115-32-2	< MDL	ug/L	1.00	0.05	0.05	
Gamma-chlordane	5103-74-2	< MDL	ug/L	1.00	0.01	0.004	
4,4-DDD	72-54-8	< MDL	ug/L	1.00	0.01	0.002	
4,4-DDE	72-55-9	< MDL	ug/L	1.00	0.01	0.009	
4,4-DDT	50-29-3	< MDL	ug/L	1.00	0.01	0.004	
a-BHC	319-84-6	< MDL	ug/L	1.00	0.01	0.003	
Aldrin	309-00-2	< MDL	ug/L	1.00	0.01	0.004	
b-BHC	319-85-7	< MDL	ug/L	1.00	0.01	0.004	
Chlordane	57-74-9	< MDL	ug/L	1.00	0.1	0.1	
d-BHC	319-86-8	< MDL	ug/L	1.00	0.01	0.006	
Dieldrin	60-57-1	< MDL	ug/L	1.00	0.01	0.005	
Endosulfan I	959-98-8	< MDL	ug/L	1.00	0.01	0.007	
Endosulfan II	33213-65-9	< MDL	ug/L	1.00	0.01	0.004	
Endosulfan sulfate	1031-07-8	< MDL	ug/L	1.00	0.01	0.005	
Endrin	72-20-8	< MDL	ug/L	1.00	0.01	0.004	
Endrin aldehyde	7421-93-4	< MDL	ug/L	1.00	0.01	0.003	
g-BHC	58-89-9	< MDL	ug/L	1.00	0.01	0.004	
Heptachlor	76-44-8	< MDL	ug/L	1.00	0.01	0.004	
Heptachlor epoxide	1024-57-3	< MDL	ug/L	1.00	0.01	0.004	
Methoxychlor	72-43-5	< MDL	ug/L	1.00	0.01	0.003	
Mirex	2385-85-5	< MDL	ug/L	1.00	0.01	0.01	
Toxaphene	8001-35-2	< MDL	ug/L	1.00	0.1	0.1	
Tetrachloro-m-xylene(surr)	877-09-8	117	%	1.00			
Decachlorobiphenyl(surr)	2051-24-3	91.3	%	1.00			

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Alpha-chlordane	0.2	0.246	123	0.2	0.249	125	1.4	23	42-132	
Gamma-chlordane	0.2	0.248	124	0.2	0.251	126	1	21	45-133	
4,4-DDD	0.2	0.216	108	0.2	0.220	110	1.6	24	40.8-141	
4,4-DDE	0.2	0.232	116	0.2	0.234	117	1.1	21	30-136	
4,4-DDT	0.2	0.202	101	0.2	0.204	102	1	30	34.3-134	
a-BHC	0.2	0.246	123	0.2	0.246	123	0.2	25	37-125	
Aldrin	0.2	0.240	120	0.2	0.238	119	0.6	23	42-127	
b-BHC	0.2	0.246	123	0.2	0.246	123	0.2	24	38.5-132	

ab-q213-0321

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 25021465

Date : 2/21/2025

Analysis : Organochlorine Pesticides

Method : EPA 608.3

Reporting Units : ug/L

QC Batch ID : Qb25021499

Created Date : 02/14/25

Created By : mqiao

Samples in This QC Batch : 25021465.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
d-BHC	0.2	0.226	113	0.2	0.226	113	0	20	30-139	
Dieldrin	0.2	0.235	118	0.2	0.238	119	1.3	21	40.7-133	
Endosulfan I	0.2	0.180	90	0.2	0.182	91.3	1.1	24	45-124	
Endosulfan II	0.2	0.178	88.8	0.2	0.181	90.5	2	21	20-114	
Endosulfan sulfate	0.2	0.228	114	0.2	0.229	115	0.2	20	45-131	
Endrin	0.2	0.222	111	0.2	0.226	113	1.6	24	35.1-136	
Endrin aldehyde	0.2	0.216	108	0.2	0.218	109	0.9	33	33.9-130	
g-BHC	0.2	0.250	125	0.2	0.248	124	1	25	39-132	
Heptachlor	0.2	0.247	124	0.2	0.245	123	0.8	20	34.6-134	
Heptachlor epoxide	0.2	0.232	116	0.2	0.235	118	1.5	24	39.2-132	
Methoxychlor	0.2	0.201	101	0.2	0.202	101	0.5	24	37.7-143	

QUALITY CONTROL CERTIFICATE



Job ID : 25021465

Date : 2/21/2025

Analysis : Polychlorinated Biphenyls

Method : EPA 608.3

Reporting Units : ug/L

QC Batch ID : Qb25021788

Created Date : 02/14/25

Created By : mqiao

Samples in This QC Batch : 25021465.01

Extraction : PB25021411

Prep Method : EPA 608.3

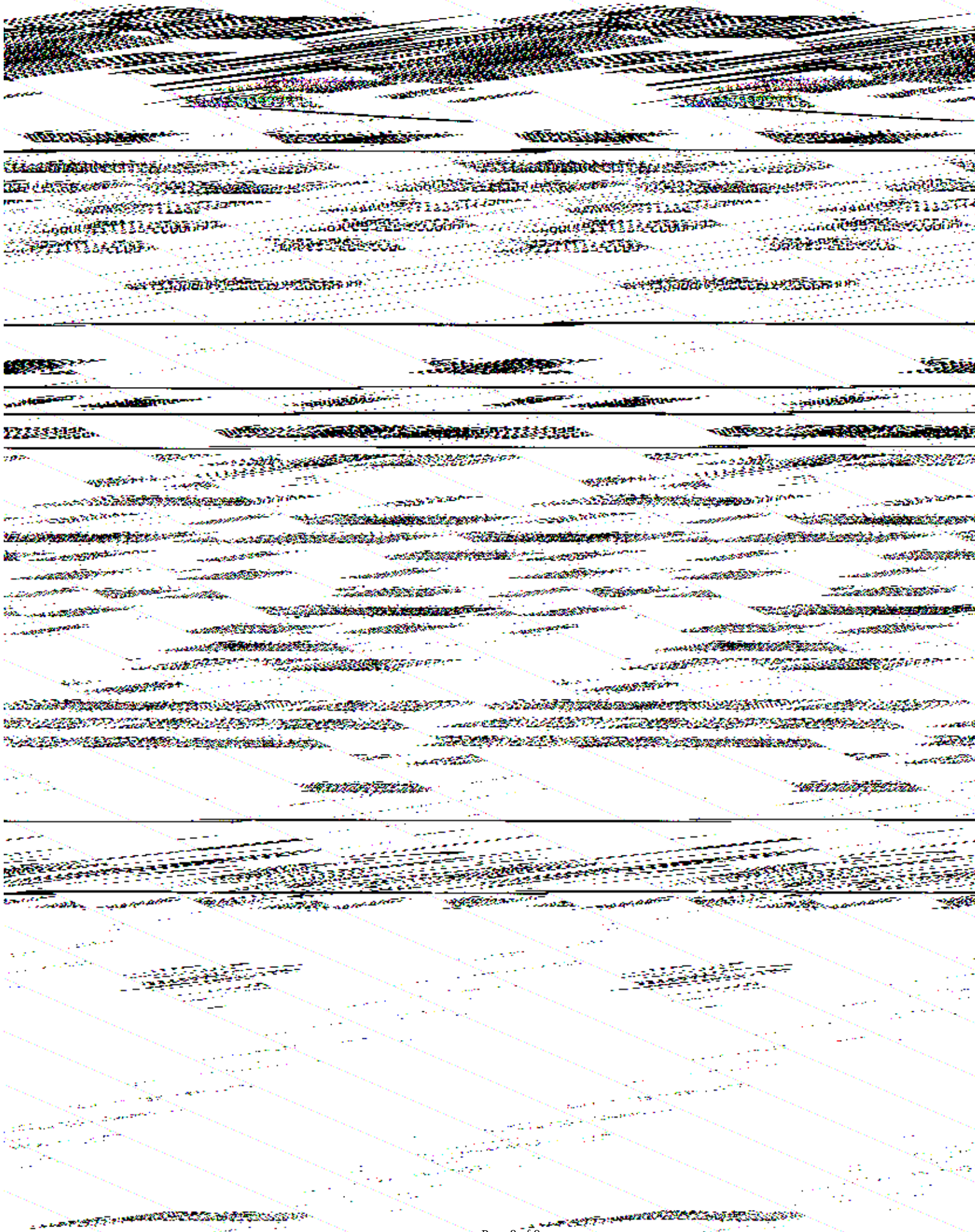
Prep Date : 02/14/25 12:00 Prep By : KHaxhillari

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Aroclor 1016	12674-11-2	< MDL	ug/L	1.00	0.05	0.025		
Aroclor 1221	11104-28-2	< MDL	ug/L	1.00	0.05	0.01871		
Aroclor 1232	11141-16-5	< MDL	ug/L	1.00	0.05	0.00493		
Aroclor 1242	53469-21-9	< MDL	ug/L	1.00	0.05	0.00166		
Aroclor 1248	12672-29-6	< MDL	ug/L	1.00	0.05	0.00788		
Aroclor 1254	11097-69-1	< MDL	ug/L	1.00	0.05	0.00474		
Aroclor 1260	11096-82-5	< MDL	ug/L	1.00	0.05	0.026		
Total PCBs		< MDL	ug/L	1.00	0.05	0.026		
Decachlorobiphenyl(surr)	2051-24-3	99	%	1.00				
Tetrachloro-m-xylene(surr)	877-09-8	72.5	%	1.00				

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aroclor 1016	2	1.82	90.9	2	1.83	91.3	0.7	30	53.7-124	
Aroclor 1260	2	2.15	108	2	2.18	109	1.4	30	51.7-130	
Total PCBs	4	3.97	99.2	4	4.01	100	1	30	51.7-130	





Sample Condition Checklist

A&B JobID : 25021465		Date Received : 02/14/2025		Time Received : 8:38AM								
Client Name : NWDLS												
Temperature : 3.8°C		Sample pH : NA										
Thermometer ID : IR7		pH Paper ID : NA										
Perservative :		Lot# :										
	Check Points			Yes	No	N/A						
1.	Cooler Seal present and signed.				X							
2.	Sample(s) in a cooler.			X								
3.	If yes, ice in cooler.			X								
4.	Sample(s) received with chain-of-custody.			X								
5.	C-O-C signed and dated.			X								
6.	Sample(s) received with signed sample custody seal.				X							
7.	Sample containers arrived intact. (If No comment)			X								
8.	Matrix:	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Other
		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9.	Samples were received in appropriate container(s)			X								
10.	Sample(s) were received with Proper preservative											X
11.	All samples were tagged or labeled.			X								
12.	Sample ID labels match C-O-C ID's.			X								
13.	Bottle count on C-O-C matches bottles found.			X								
14.	Sample volume is sufficient for analyses requested.			X								
15.	Samples were received with in the hold time.			X								
16.	VOA vials completely filled.											X
17.	Sample accepted.			X								
18.	Has client been contacted about sub-out											X

Comments : Include actions taken to resolve discrepancies/problem:

--

Brought by : Client
Received by : Amber

Check in by/date : Amber / 02/14/2025

ab-s005-1123



Project
1136431

NWDS-G

North Water District Laboratory
Deena McDaniel
130 S Trade Center Parkway
Suite:100
Conroe, TX 77385

Printed 03/11/2025
8:06

TABLE OF CONTENTS

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Report Name	Description	Pages
1136431_r02_01_ProjectSamples	SPL Kilgore Project P:1136431 C:NWDS Project Sample Cross Reference t:304	1
1136431_r03_03_ProjectResults	SPL Kilgore Project P:1136431 C:NWDS Project Results t:304 PO: #26201	2
1136431_r10_05_ProjectQC	SPL Kilgore Project P:1136431 C:NWDS Project Quality Control Groups	1
1136431_r99_09_CoC__1_of_1	SPL Kilgore CoC NWDS 1136431_1_of_1	2
Total Pages:		6





SAMPLE CROSS REFERENCE

Project
1136431

North Water District Laboratory
Deena McDaniel
130 S Trade Center Parkway
Suite:100
Conroe, TX 77385

Printed 3/11/2025 Page 1 of 1
ww

Sample	Sample ID	Taken	Time	Received
2382015	25B2448-02	02/12/2025	05:00:00	02/14/2025

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1161139) Volume: 1.00000 mL <== Derived from 01 (966 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 632	03	1161139	02/17/2025	1164529	02/22/2025

Email: Kilgore.ProjectManagement@spllabs.com

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



NWDS-G

Page 1 of 2

North Water District Laboratory
Deena McDaniel
130 S Trade Center Parkway
Suite:100
Conroe, TX 77385

Project
1136431

Printed: 03/11/2025

RESULTS

Sample Results

2382015 **25B2448-02**

Received: 02/14/2025

Non-Potable Water

Collected by: Client
Taken: 02/12/2025

North Water District
05:00:00

PO: #26201

EPA 632 Prepared: 1161139 02/17/2025 14:30:00 Analyzed 1164529 02/22/2025 05:39:00 BRU

Parameter	Results	Units	RL	Flags	CAS	Bottle
Carbaryl (Sevin)	<1.22	ug/L	1.22		63-25-2	03
Diuron	<0.0466	ug/L	0.0466		330-54-1	03

Sample Preparation

2382015 **25B2448-02**

Received: 02/14/2025

02/12/2025

#26201

Prepared: 02/14/2025 14:01:32 Calculated 02/14/2025 14:01:32 CAL

Enviro Fee (per Sampling Group)

Verified

Prepared: 03/11/2025 08:01:00 Analyzed 03/11/2025 08:01:00 WJP

Check Limits

Completed

Level IV Data Review

Completed

EPA 632 Prepared: 1161139 02/17/2025 14:30:00 Analyzed 1161139 02/17/2025 14:30:00 CRS

Liquid-Liquid Extr. W/Hex Ex

1/966

ml

01

EPA 632 Prepared: 1161139 02/17/2025 14:30:00 Analyzed 1164529 02/22/2025 05:39:00 BRU



Report Page 3 of 7

NWDS-G

Page 2 of 2

North Water District Laboratory
Deena McDaniel
130 S Trade Center Parkway
Suite:100
Conroe, TX 77385

Project
1136431

Printed: 03/11/2025

2382015 25B2448-02

Received: 02/14/2025
#26201

02/12/2025

EPA 632 Prepared: 1161139 02/17/2025 14:30:00 Analyzed 1164529 02/22/2025 05:39:00 BRU

NELAC Carbaryl/Diuron Entered 03

Qualifiers:

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

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

(N)ELAC - Covered in our NELAC scope of accreditation

z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

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



Bill Peery, MS, VP Technical Services



Report Page 4 of 7

QUALITY CONTROL



Page 1 of 1

NWDS-G

North Water District Laboratory
Deena McDaniel
130 S Trade Center Parkway
Suite:100
Conroe, TX 77385

Project
1136431

Printed 03/11/2025

Analytical Set

1164529

EPA 632

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Carbaryl (Sevin)	1161139	ND	66.1	2500	ug/L	127385327
Diuron	1161139	ND	44.4	45.0	ug/L	127385327

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Carbaryl (Sevin)	10500	10000	ug/L	105	70.0 - 130	127385325
Carbaryl (Sevin)	908	1000	ug/L	90.8	70.0 - 130	127385326
Carbaryl (Sevin)	929	1000	ug/L	92.9	70.0 - 130	127385330
Carbaryl (Sevin)	960	1000	ug/L	96.0	70.0 - 130	127385331
Carbaryl (Sevin)	981	1000	ug/L	98.1	70.0 - 130	127385333
Carbaryl (Sevin)	1040	1000	ug/L	104	70.0 - 130	127385334
Diuron	9340	10000	ug/L	93.4	70.0 - 130	127385325
Diuron	793	1000	ug/L	79.3	70.0 - 130	127385326
Diuron	794	1000	ug/L	79.4	70.0 - 130	127385330
Diuron	808	1000	ug/L	80.8	70.0 - 130	127385331
Diuron	835	1000	ug/L	83.5	70.0 - 130	127385333
Diuron	981	1000	ug/L	98.1	70.0 - 130	127385334

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>
Carbaryl (Sevin)	1161139	930	932	1000	17.1 - 131	93.0	93.2	ug/L	0.215	30.0
Diuron	1161139	248	336	1000	0.100 - 138	24.8	33.6	ug/L	30.1 *	30.0

* Out RPD is Relative Percent Difference: $\text{abs}(r1-r2) / \text{mean}(r1,r2) * 100\%$

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); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.)

Email: Kilgore.ProjectManagement@spillabs.com



Report Page 5 of 7

1136431 CoC Print Group 001 of 001

**SUBCONTRACT
ORDER**

2382015

Sending Laboratory:

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Rebecca Rabon

Subcontracted Laboratory:

SPL
2600 Dudley Rd
Kilgore, TX 75662
Phone: (903) 984-0551
Fax:

Work Order: 25B2448

Analysis	Due	Expires	Comments
Sample ID: 25B2448-02 Waste Water Sampled: 02/12/2025 05:00			
Sub_CBURP-632	02/26/2025	02/19/2025 05:00	
Analyte(s): Carbaryl	Diuron		
Containers Supplied:			

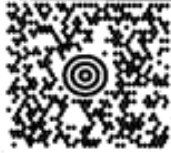
Released By unc Date 2.13.25

Received By UPS Date 2.13.2025

UPS 2.14.25 1045

OK 2.14.25 1045

1136431 CoC Print Group 001 of 001

ANGELA MARTINEZ 9363216060 NWDLS 130 S TRADE CENTER PKWY CONROE TX 77385		20 LBS	1 OF 1
SHIP TO: 9039840551 9839840551 ANA-LAB 2600 DUDLEY ROAD KILGORE TX 75662			
	TX 756 0-32 		
UPS NEXT DAY AIR			1
TRACKING #: 1Z 12W 40V 01 9508 6148			
			
BILLING: P/P	2-14 1045  Date Time Tech Temp: 0.9/0.6 C Therm#: 6443 Corr Fact: -0.3 C		
XDL 29.01.26		NV45 7.0A 02/2025*	

Attachment No. 9

**Plain Language Template
(TCEQ 20972)**



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 DOMESTIC WASTEWATER/STORMWATER

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

Mayde Creek Municipal Utility District (CN: 600647648) operates Mayde Creek MUD Regional Wastewater Treatment Facility (RN 102915576), an activated sludge plant. The facility is located at 19702 Morton Road, in Katy, Harris County, Texas 77449. This application is for a renewal to discharge at an annual average flow of 2,000,000 million gallons per day of treated domestic wastewater via Harris County Flood Control Ditch No. U101-03-00.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a mechanical rotary drum fine screen, seven aeration basins, two circular clarifiers, eight aerobic digester basins, and a chlorine contact basin.

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

AGUAS RESIDUALES DOMÉSTICAS [aquí](#) /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.

El Distrito de Servicios Públicos Municipales de Mayde Creek (CN: 600647648) opera la Instalación Regional de Tratamiento de Aguas Residuales (RN 102915576) de Mayde Creek MUD, una planta de lodos activados. La instalación está ubicada en 19702 Morton Road, en Katy, Harris County, Texas 77449. Esta solicitud es para una renovación para descargar a un flujo promedio anual de 2,000,000 millones de galones por día de aguas residuales domésticas tratadas a través de la zanja de control de inundaciones del condado de Harris No. U101-03-00.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli. En la sección 7 del Informe Técnico Doméstico 1.0 se incluyen contaminantes potenciales adicionales. Análisis de Contaminantes de Efluentes Tratados y Hoja de Trabajo Doméstico 4.0 en el paquete de solicitud de permisos. Las aguas residuales domésticas son tratadas por una planta de procesamiento de lodos activados y las unidades de tratamiento incluyen un tamiz fino de tambor rotativo mecánico, siete cuencas de aireación, dos clarificadores circulares, ocho cuencas de digestores aeróbicos y una cuenca de contacto con cloro.

Attachment No. 10

**Supplemental Permit Information Form
(SPIF)**

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____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: Mayde Creek Municipal Utility District

Permit No. WQ00 11969-001

EPA ID No. TX 0076660

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

19702 Morton Road ,Katy, Texas, 77449

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

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

First and Last Name: Kelly Wilkinson

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

Title: District Engineer

Mailing Address: 13430 Northwest Freeway, Suite 700

City, State, Zip Code: Houston, TX, 77040

Phone No.: (713) 462-3178

E-mail Address: kwilkinson@idseg.com

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

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.

The treated effluent is transported to Harris County Flood Control Ditch No. U101-03-00

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

N/A

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

N/A

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:

[REDACTED]

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

[REDACTED]

Candice Calhoun

From: Clyde Law (IDS) <claw@idseg.com>
Sent: Wednesday, May 28, 2025 1:51 PM
To: Candice Calhoun
Subject: RE: Application to Renew Permit No. WQ0011969001 - Notice Updates
Attachments: Municipal Discharge Renewal Spanish NORI.docx

Good afternoon,

Here is the updated word document, appreciate your patience.

Thank you,



Clyde Law
Design Engineer

13430 Northwest Freeway, Suite 700, Houston, Texas 77040

Main: 713.462.3178 | Direct: 832.590.7188

claw@idseg.com

[Website](#) | [Facebook](#) | [Linkedin](#)

TxEg Firm 2726 | TxSurv Firm 10110700

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From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Wednesday, May 28, 2025 1:48 PM
To: Clyde Law (IDS) <claw@idseg.com>
Subject: RE: Application to Renew Permit No. WQ0011969001 - Notice Updates

[EXTERNAL EMAIL]

Good afternoon, Mr. Law,

Thank you, your response to items 1, 2, 3, and 4 is sufficient. However, item 5, the Spanish NORI, needs to be in a Microsoft Word document. Please send that document over as a Microsoft Word document.

Please let me know if you have any additional questions.

Regards,

Candice Calhoun

From: Clyde Law (IDS) <claw@idseg.com>
Sent: Tuesday, May 27, 2025 3:37 PM
To: Candice Calhoun
Subject: Application to Renew Permit No. WQ0011969001 - Notice Updates
Attachments: SPIF Form Attachment No. 10.pdf; USGS Map Attachment No. 1&2.pdf; 05-27-2025 10053 UPDATED.pdf; Municipal Discharge Renewal Spanish NORI.pdf

Good afternoon,

Attached are the updates to the application based on the additional information requested. The portion of the NORI does not contain any errors or omissions.

Along with the updated application, I have attached the USGS Map, Supplemental Permit Information Form, and NORI document updated in Spanish.

Thank you for all your help, please let me know if you need anything else.



Clyde Law
Design Engineer

13430 Northwest Freeway, Suite 700, Houston, Texas 77040

Main: 713.462.3178 | Direct: 832.590.7188

claw@idseg.com

[Website](#) | [Facebook](#) | [Linkedin](#)

TxEg Firm 2726 | TxSurv Firm 10110700

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**DOMESTIC WASTEWATER PERMIT APPLICATION
CHECKLIST**

Complete and submit this checklist with the application.

APPLICANT NAME: Mayde Creek Municipal Utility District

PERMIT NUMBER (If new, leave blank): WQ0011969-001

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

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

For TCEQ Use Only

Segment Number _____ County _____
Expiration Date _____ Region _____
Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**DOMESTIC WASTEWATER PERMIT APPLICATION
ADMINISTRATIVE REPORT 1.0**

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

Section 1. Application Fees (Instructions Page 26)

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

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

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number: 2206344
Check/Money Order Amount: \$2015.00
Name Printed on Check: IDS Engineering Group

EPAY Voucher Number: Click to enter text.

Copy of Payment Voucher enclosed? Yes ☒

Section 2. Type of Application (Instructions Page 26)

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

- ☒ Publicly Owned Domestic Wastewater
- ☐ Privately-Owned Domestic Wastewater
- ☐ Conventional Water Treatment

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

- ☒ Active ☐ Inactive

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

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

d. Check the box next to the appropriate application type

- | | |
|---|---|
| ☐ New | |
| ☐ Major Amendment <u>with</u> Renewal | ☐ Minor Amendment <u>with</u> Renewal |
| ☐ Major Amendment <u>without</u> Renewal | ☐ Minor Amendment <u>without</u> Renewal |
| ☒ Renewal without changes | ☐ Minor Modification of permit |

e. For amendments or modifications, describe the proposed changes: [Click to enter text.](#)

f. For existing permits:

Permit Number: WQ00 11969-001

EPA I.D. (TPDES only): TX 0076660

Expiration Date: 11/18/2025

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

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

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

Mayde Creek Municipal Utility District

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

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?

You may search for your CN on the TCEQ website at <http://www15.tceq.texas.gov/crpub/>

CN: 600647648

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: Mr.

Last Name, First Name: Dumas, Cyrus

Title: President

Credential: N/A

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

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

N/A

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

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

CN: N/A

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

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

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0. 1

Section 4. Application Contact Information (Instructions Page 27)

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

- A. Prefix: Ms. Last Name, First Name: Wilkinson, Kelly
Title: District Engineer Credential: P.E.
Organization Name: IDS Engineering Group
Mailing Address: 13430 Northwest Freeway, Suite 700 City, State, Zip Code: Houston, TX, 77040
Phone No.: (713) 462-3178 E-mail Address: kwilkinson@idseg.com
Check one or both: ☒ Administrative Contact ☒ Technical Contact
- B. Prefix: Mr. Last Name, First Name: Law, Clyde
Title: Design Engineer Credential: N/A
Organization Name: IDS Engineering Group
Mailing Address: 13430 Northwest Freeway, Suite 700 City, State, Zip Code: Houston, TX, 77027
Phone No.: (713) 462-3178 E-mail Address: claw@idseg.com
Check one or both: ☒ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

- A. Prefix: Ms. Last Name, First Name: Lutz, Angela
Title: District Attorney Credential: N/A
Organization Name: Allen Boone Humphries Robinson LLP

Mailing Address: 3200 Southwest Freeway, Suite 2600
77027

City, State, Zip Code: Houston TX,

Phone No.: (713) 860-6470

E-mail Address: alutz@abhr.com

B. Prefix: Ms.

Last Name, First Name: Wilkinson, Kelly

Title: District Engineer

Credential: P.E.

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Freeway, Suite 700
77040

City, State, Zip Code: Houston, TX,

Phone No.: (713) 462-3178

E-mail Address: kwilkinson@idseg.com

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Ms.

Last Name, First Name: Redden, Claudia

Title: Bookkeeper

Credential: N/A

Organization Name: Claudia Redden & Associates LLC

Mailing Address: P.O. Box 11890

City, State, Zip Code: Spring, Texas 77391

Phone No.: (281) 440-9400

E-mail Address: claudiaredden@aol.com

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

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

Prefix: Mr.

Last Name, First Name: Downum, Bart

Title: District Operator

Credential: N/A

Organization Name: Inframark

Mailing Address: 17495 Village Green Drive

City, State, Zip Code: Houston, TX, 77040

Phone No.: (832) 467-1599

E-mail Address: bart.downum@inframark.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms.

Last Name, First Name: Gillamac, Dezie

Title: Administrative Assistant

Credential: Click to enter text.

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Freeway, Suite 700
77040

City, State, Zip Code: Houston, TX,

Phone No.: (713) 462-3178

E-mail Address: dgillamac@idseg.com

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Ms.

Last Name, First Name: Wilkinson, Kelly

Title: District Engineer

Credential: P.E.

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Freeway, Suite 700
77040

City, State, Zip Code: Houston, TX,

Phone No.: (713) 462-3178

E-mail Address: kwilkinson@idseg.com

D. Public Viewing Information

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

Public building name: TCEQ Building 12

Location within the building: N/A

Physical Address of Building: 5425 Polk Avenue, Suite H

City: Houston

County: Harris

Contact (Last Name, First Name): N/A

Phone No.: N/A Ext.: N/A

E. Bilingual Notice Requirements

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

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

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required.

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

☒ Yes

☐ No

If **no**, publication of an alternative language notice is not required; **skip to** Section 9 below.

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

F. Summary of Application in Plain Language Template

Complete the F. Summary of Application in Plain Language Template (TCEQ Form 20972), also known as the plain language summary or PLS, and include as an attachment.

Attachment: 9

G. Public Involvement Plan Form

Complete the Public Involvement Plan Form (TCEQ Form 20960) for each application for a **new permit or major amendment to a permit** and include as an attachment.

Attachment: [Click to enter text.](#)

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

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN 102915576

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

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

Municipal Utility District Regional Wastewater Treatment Facility

C. Owner of treatment facility: Mayde Creek Municipal Utility District

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

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

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: Mayde Creek Municipal Utility District

Mailing Address: 19702 Morton Road

City, State, Zip Code: Katy, TX, 77449

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

E. Owner of effluent disposal site:

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

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

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

Click to enter text.

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

☒ Yes ☐ No

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

Click to enter text.

City nearest the outfall(s): Houston ETI

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

C. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?

☒ Yes ☐ No

If **yes**, indicate by a check mark if:

- ☒ Authorization granted ☐ Authorization pending

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

Attachment: N/A

- D. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: N/A

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☐ No

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

N/A

- B. City nearest the disposal site: N/A

- C. County in which the disposal site is located: N/A

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

N/A

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

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

Click to enter text.

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

☐ Yes ☒ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: [Click to enter text.](#)

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, please provide the following information:

Enforcement order number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

Section 13. Attachments (Instructions Page 33)

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

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

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

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

☐ Attachment 1 for Individuals as co-applicants

☐ Other Attachments. Please specify: [Click to enter text.](#)

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0011969-001

Applicant: Mayde Creek Municipal Utility District

Certification:

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

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

Signatory name (typed or printed): Cyrus Dumas

Signatory title: President

Signature: _____ Date: _____

(Use blue ink)

Subscribed and Sworn to before me by the said _____

on this _____ day of _____, 20____.

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

Notary Public

[SEAL]

County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

- A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:
- ☐ The applicant's property boundaries
 - ☐ The facility site boundaries within the applicant's property boundaries
 - ☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
 - ☐ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
 - ☐ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
 - ☐ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
 - ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
 - ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
 - ☐ The property boundaries of all landowners surrounding the effluent disposal site
 - ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
 - ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located
- B. ☐ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.
- C. ☐ Indicate by a check mark that the landowners list has also been provided as mailing labels in electronic format (Avery 5160).
- D. Provide the source of the landowners' names and mailing addresses: [Click to enter text.](#)
- 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):

Click to enter text.

Section 2. Original Photographs (Instructions Page 38)

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

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

Section 3. Buffer Zone Map (Instructions Page 38)

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

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

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

- ☐ Ownership
- ☐ Restrictive easement
- ☐ Nuisance odor control
- ☐ Variance

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

- ☒ Yes ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: 10

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if the mailing the payment.

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP Waste Permit No: 0011969-001

1. Check or Money Order Number: 220634
2. Check or Money Order Amount: \$2015.00
3. Date of Check or Money Order: 5/16/2025
4. Name on Check or Money Order: IDS Engineering Group
5. APPLICATION INFORMATION

Name of Project or Site: Mayde Creek Municipal Utility District Regional Wastewater

Physical Address of Project or Site: 19702 Morton Road, Katy TX, 77449

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

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

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., Miss): [Click to enter text.](#)

Full legal name (Last Name, First Name, Middle Initial): [Click to enter text.](#)

Driver's License or State Identification Number: [Click to enter text.](#)

Date of Birth: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone Number: [Click to enter text.](#) Fax Number: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

CN: [Click to enter text.](#)

For Commission Use Only:

Customer Number:

Regulated Entity Number:

Permit Number:

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

Core Data Form (TCEQ Form No. 10400) ☒ Yes
(Required for all application types. Must be completed in its entirety and signed.
Note: Form may be signed by applicant representative.)

Correct and Current Industrial Wastewater Permit Application Forms ☒ Yes
(TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or later.)

Water Quality Permit Payment Submittal Form (Page 19) ☒ Yes
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

7.5 Minute USGS Quadrangle Topographic Map Attached ☒ Yes
(Full-size map if seeking "New" permit.
8 ½ x 11 acceptable for Renewals and Amendments)

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

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

Things to Know:

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

Landowners Labels and Cross Reference List ☒ N/A ☐ Yes
(See instructions for landowner requirements)

Electronic Application Submittal ☐ Yes
(See application submittal requirements on page 23 of the instructions.)

Original signature per 30 TAC § 305.44 - Blue Ink Preferred ☒ Yes
(If signature page is not signed by an elected official or principle executive officer, a copy of signature authority/delegation letter must be attached)

Summary of Application (in Plain Language) ☒ Yes

Attachment No. 10

**Supplemental Permit Information Form
(SPIF)**

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____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: Mayde Creek Municipal Utility District

Permit No. WQ00 11969-001

EPA ID No. TX 0076660

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

19702 Morton Road ,Katy, Texas, 77449

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

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

First and Last Name: Kelly Wilkinson

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

Title: District Engineer

Mailing Address: 13430 Northwest Freeway, Suite 700

City, State, Zip Code: Houston, TX, 77040

Phone No.: (713) 462-3178

E-mail Address: kwilkinson@idseg.com

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

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.

The treated effluent is transported to Harris County Flood Control Ditch No. U101-03-00

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

N/A

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

N/A

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:

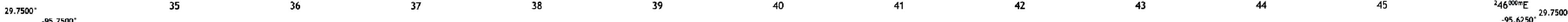
[REDACTED]

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

[REDACTED]

Attachment No. 1

**USGS 7.5' Quadrangle Maps
(Admin. Rpt. 1.0, 13.)**



ROAD CLASSIFICATION

Expressway		Local Connector	
Secondary Hwy		Local Road	
Ramp		4WD	

 Interstate Route  US Route  State Route



Attachment No. 2

**USGS 7.5' Quadrangle Maps
(Supplemental Permit Information Form, Item 5.)**

