



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

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.

City of Bonham (CN600435762) operates City of Bonham Wastewater Treatment Plant (RN101919850), an activated sludge process plant. The facility is located at 2501 Seven Oaks Road, in Bonham, Fannin County, Texas 75418. This application is for a renewal to discharge at an annual average flow of 2,500,000 gallons per day of treated domestic wastewater via Outfall 1.

Discharges from the facility are expected to contain total suspended solids (TSS), nitrate nitrogen, Kjeldahl nitrogen, sulfate, chloride, phosphorous, dissolved oxygen, chlorine residual, E.coli, and total dissolved solids. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7 Pollutant Analysis of Treated Effluent. Domestic wastewater will be treated by an activated sludge process plant and the treatment units will include an Influent flows through comminutor and grit removal to master lift station to four aerobic Sequential Batch Reactors (SBR's) to ultraviolet disinfection channel to Parshall flume then to outfall. Sludge is disposed from the SBR Basin to two aerobic digesters to the sludge disposal area that consists of a 30 cubic yard sludge dewatering roll-off, four plastic media drying beds, and four conventional sand drying beds.

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

AGUAS RESIDUALES DOMÉSTICAS

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 son representaciones federales exigibles de la solicitud de permiso.

Ciudad de Bonham (CN600435762) opera Ciudad de Bonham planta de tratamiento de aguas residuales domésticos (RN101919850), la planta de proceso de lodos activados. La instalación esta ubicado en 2501 Seven Oaks Road, en La Ciudad de Bonham, Condado de Fannin, Texas 75418. Esta solicitud es para una renovación para descargar a un flujo promedio anual de 2,500,000 galones por día de aguas residuales domésticas tratadas a través del Emisario 1.

Se espera que las descargas de la instalación sólidos suspendidos totales, nitrógeno nitrato, nitrógeno Kjeldahl, sulfato, cloruro, fósforo, oxígeno disuelto, cloro residual, E. coli y sólidos disueltos totales. Se incluyen contaminantes potenciales adicionales en el Informe Técnico Nacional 1.0, Sección 7 Análisis de Contaminantes del Efluente Tratado. Aguas residuales domésticas es tratado por una planta de proceso de lodos activados y las unidades de tratamiento incluirán un afluente que fluye a través del triturador y la eliminación de arena hasta la estación de bombeo principal, cuatro reactores secuenciales por lotes (SBR) aeróbicos y un canal de desinfección ultravioleta hasta el canal Parshall y luego al emisario. Los lodos se eliminan desde la cuenca SBR a dos digestores aeróbicos hasta el área de eliminación de lodos que consta de una rampa de deshidratación de lodos de 30 yardas cúbicas, cuatro lechos de secado de medios plásticos y cuatro lechos de secado de arena convencionales.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0010070001

APPLICATION. City of Bonham, 514 Chestnut Street, Bonham, Texas 75418, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010070001 (EPA I.D. No. TX0021814) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 2,500,000 gallons per day. The domestic wastewater treatment facility is located at 2501 Seven Oaks Road, near the city of Bonham, in Fannin County, Texas 75418. The discharge route is from the plant site to Pig Branch; thence to Bois d'Arc Creek; thence to Red River Below Lake Texoma. TCEQ received this application on September 30, 2025. The permit application will be available for viewing and copying at Bonham City Hall, Foyer, 514 Chestnut Street, Bonham, in Fannin 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=-96.155931,33.588952&level=18>

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at:

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

El aviso de idioma alternativo en español está disponible en

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

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

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public

interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

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

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

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

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

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

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

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

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

Further information may also be obtained from City of Bonham at the address stated above or by calling Mr. Lance Capehart, Director of Public Works, at 903-583-7555.

Issuance Date: October 17, 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. WQ0010070001

SOLICITUD. Ciudad de Bonham, 514 Chestnut Street, Bonham, Texas 75418, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010070001 (EPA I.D. No. TX TX0021814) 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 anual de 2,500,000 galones por día. La planta está ubicada en 2501 Seven Oaks Road en el Condado de Fannin, Texas 75418. La ruta de descarga es del sitio de la planta a Pig Branch; de allí a Bois d'Arc Creek; de allí a Red River Below Lago Texoma. La TCEQ recibió esta solicitud el 30 de septiembre de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Bonham City Hall, Foyer, 514 Chestnut street, Bonham, en el Condado de Fannin, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

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

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

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.155931,33.588952&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 Ciudad de Bonham a la dirección indicada arriba o llamando a Lance Capehart, Director de Obras Públicas al 903-583-7555.

Fecha de emisión: 17 de octubre de 2025



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: City of Bonham

PERMIT NUMBER (If new, leave blank): WQ0010070001

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: Click to enter text. **18469**
Check/Money Order Amount: \$2,015.00
Name Printed on Check: City of Bonham
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 with Renewal
- ☐ Major Amendment without Renewal
- ☒ Renewal without changes
- ☐ Minor Amendment with Renewal
- ☐ Minor Amendment without Renewal
- ☐ Minor Modification of permit

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

f. **For existing permits:**

Permit Number: WQ00 WQ0010070001

EPA I.D. (TPDES only): TX 0021814

Expiration Date: May 26, 2026

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

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

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

City of Bonham

(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: 600435762

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

Prefix: Click to enter text.

Last Name, First Name: Pate, Sean

Title: City Manager

Credential: Click to enter text.

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

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

Click to enter text.

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

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

CN: Click to enter text.

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

Prefix: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

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

C. Core Data Form

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

Last Name, First Name: Hunter, Daniel

Title: Design Engineer

Credential: E.I.T

Organization Name: Hayter Engineering

Mailing Address: 4445 SE Loop 286

City, State, Zip Code: Paris, Texas, 75460

Phone No.: 903-785-0303

E-mail Address: dhunter@haytereng.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Click to enter text.

Last Name, First Name: Dusenberry, Brandon

Title: Project Engineer

Credential: P.E.

Organization Name: Hayter Engineering

Mailing Address: 4445 SE Loop 286

City, State, Zip Code: Paris, Texas, 75460

Phone No.: 903-785-0303

E-mail Address: bdusenberry@haytereng.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: Click to enter text.

Last Name, First Name: Capehart, Lance

Title: Director of Public works

Credential: Click to enter text.

Organization Name: City of Bonham

Mailing Address: 514 Chestnut

City, State, Zip Code: Bonham, Texas, 75418

Phone No.: 903-583-7555

E-mail Address: lcapehart@cityofbonham.org

B. Prefix: Click to enter text. Last Name, First Name: Pate, Sean
Title: City Manager Credential: Click to enter text.
Organization Name: City of Bonham
Mailing Address: 514 Chestnut City, State, Zip Code: Bonham, Texas, 75418
Phone No.: 903-583-7555 E-mail Address: spate@cityofbonham.org

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: Click to enter text. Last Name, First Name: Stockton, Heather
Title: City Secretary Credential: Click to enter text.
Organization Name: Click to enter text.
Mailing Address: 514 Chestnut City, State, Zip Code: Bonham, Texas, 75418
Phone No.: 903-583-7555 E-mail Address: hstockton@cityofbonham.org

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: Click to enter text. Last Name, First Name: Capehart, Lance
Title: Director of Public Works Credential: Click to enter text.
Organization Name: City of Bonham
Mailing Address: 514 Chestnut City, State, Zip Code: Bonham, Texas, 75418
Phone No.: 903-583-7555 E-mail Address: lcapehart@cityofbonham.org

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Click to enter text. Last Name, First Name: Dusenberry, Brandon
Title: Project Engineer Credential: P.E.
Organization Name: Hayter Engineering
Mailing Address: 4445 SE Loop 286 City, State, Zip Code: Paris, Texas, 75460
Phone No.: 903-785-0303 E-mail Address: bdusenberry@haytereng.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: Click to enter text.

Last Name, First Name: Capehart, Lance

Title: Director of Public Works

Credential: Click to enter text.

Organization Name: City of Bonham

Mailing Address: 514 Chestnut

City, State, Zip Code: Bonham, Texas, 75418

Phone No.: 903-583-7555

E-mail Address: lcapehart@cityofbonham.org

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: Bonham City Hall

Location within the building: Foyer

Physical Address of Building: 514 Chestnut

City: Bonham

County: Fannin

Contact (Last Name, First Name): Stockton, Heather

Phone No.: 903-583-7555 Ext.: 114

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: 7

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: N/A

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 101919850

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):

Bonham Wastewater Treatment Plant

C. Owner of treatment facility: City of Bonham

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

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

Prefix: Click to enter text.

Last Name, First Name: City of Bonham

Title: Click to enter text.

Credential: Click to enter text.

Organization Name: Click to enter text.

Mailing Address: 514 Chestnut

City, State, Zip Code: Bonham, Texas, 75418

Phone No.: 903-583-7555

E-mail Address: Click to enter text.

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

Attachment: N/A - Same

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: Click to enter text. 7

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. N/A

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 101919850

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):

Bonham Wastewater Treatment Plant

C. Owner of treatment facility: City of Bonham

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

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

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

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

Organization Name: Click to enter text.

Mailing Address: 514 Chestnut City, State, Zip Code: Bonham, Texas, 75418

Phone No.: 903-583-7555 E-mail Address: Click to enter text.

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

Attachment: N/A - Same

E. Owner of effluent disposal site:

Prefix: Click to enter text.

Last Name, First Name: N/A

Title: Click to enter text.

Credential: Click to enter text.

Organization Name: Click to enter text.

Mailing Address: Click to enter text.

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

Phone No.: Click to enter text.

E-mail Address: Click to enter text.

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

Attachment: Click to enter text.

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

Prefix: Click to enter text.

Last Name, First Name: N/A

Title: Click to enter text.

Credential: Click to enter text.

Organization Name: Click to enter text.

Mailing Address: Click to enter text.

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

Phone No.: Click to enter text.

E-mail Address: Click to enter text.

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

Attachment: Click to enter text.

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

N/A

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:

N/A

City nearest the outfall(s): Bonham

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

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

☐ Yes ☒ No

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

- ☐ Authorization granted ☐ Authorization pending

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

Attachment: Click to enter text.

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

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☐ No N/A

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

N/A

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

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

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

N/A

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

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

N/A

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: WQ0010070001

Applicant: City of Bonham

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): Sean Pate

Signatory title: City Manager

Signature: _____

(Use blue ink)

Date: _____

9/16/25

Subscribed and Sworn to before me by the said Sean Pate

on this 16 day of September, 20 25.

My commission expires on the 4 day of December, 20 26.

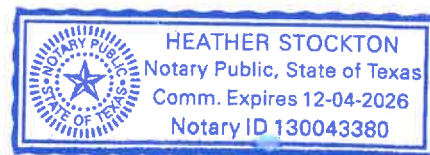
Heather Stockton

Notary Public

[SEAL]

Fannin

County, Texas



DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: 1

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

____ Texas Historical Commission

____ U.S. Fish and Wildlife

____ Texas Parks and Wildlife Department

____ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: City of Bonham

Permit No. WQ00 10070001EPA ID No. TX 0021814

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

Located at 2501 Seven Oaks Road, in Fannin County, Texas 75418

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): [REDACTED]

First and Last Name: Lance Capehart

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

Title: Director of Public Works

Mailing Address: 514 Chestnut

City, State, Zip Code: Bonham, Texas, 75418

Phone No.: 903-583-7555 Ext.: 122 Fax No.: 903-583-5761

E-mail Address: lcapehart@cityofbonham.org

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

N/A – site owner

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.

To Pig Branch; thence to Bois d'Arc Creek; thence to Red River Below Lake Texoma in Segment No. 0202 of the Red River Basin.

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

None- No construction- Renewal Only

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

Mowing for Maintenance, Current land use is for public wastewater treatment facility. Vegetation consists of Bermuda and native grass. Site is mowed on a regular basis and has been previously disturbed during construction projects in 1960, 1983, 1997, and 2019.

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

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

N/A

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

N/A

**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) CN 600435762	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued) RN 101919850

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership ☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		<i>If new Customer, enter previous Customer below:</i>	
City of Bonham			
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 Government: ☒ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other		☐ Individual ☐ Sole Proprietorship	Partnership: ☐ General ☐ Limited ☐ Other:
12. Number of Employees ☐ 0-20 ☐ 21-100 ☒ 101-250 ☐ 251-500 ☐ 501 and higher		13. Independently Owned and Operated? ☒ Yes ☐ No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following ☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other: ☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant			
15. Mailing Address:	514 Chestnut		
	City	State	ZIP
	Bonham	TX	75418
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
18. Telephone Number (903) 583-7555	19. Extension or Code	20. Fax Number (if applicable) () -	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.) ☐ New Regulated Entity ☐ Update to Regulated Entity Name ☒ Update to Regulated Entity Information	
<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.) Bonham Wastewater Treatment Plant	
23. Street Address of the Regulated Entity:	2501 Seven Oaks Road

(No PO Boxes)								
	City	Bonham	State	TX	ZIP	75418	ZIP + 4	3738
24. County	Fannin							

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

25. Description to Physical Location:	N/A							
26. Nearest City						State	Nearest ZIP Code	
Bonham						TX	75418	
<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:	33.59134				28. Longitude (W) In Decimal:	96.155763		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
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.)								
Treat minupal sewaage before discharge								
34. Mailing Address:	514 Chestnut							
	City	Bonham	State	TX	ZIP	75418	ZIP + 4	3738
35. E-Mail Address:								
36. Telephone Number	37. Extension or Code			38. Fax Number (if applicable)				
(903) 583-7555				() -				

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:
	WQ00100701001			

SECTION IV: Preparer Information

40. Name:	Daniel Hunter	41. Title:	Design Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(903) 785-0303		(903) 785-0308	dhunter@haytereng.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:	Hayter Engineering	Job Title:	Design Engineer
Name (In Print):	Daniel Hunter	Phone:	(903) 785- 303
Signature:		Date:	7/15/2025



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

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.

City of Bonham (CN600435762) operates City of Bonham Wastewater Treatment Plant (RN101919850), an activated sludge process plant. The facility is located at 2501 Seven Oaks Road, in Bonham, Fannin County, Texas 75418. This application is for a renewal to discharge at an annual average flow of 2,500,000 gallons per day of treated domestic wastewater via Outfall 1.

Discharges from the facility are expected to contain total suspended solids (TSS), nitrate nitrogen, Kjeldahl nitrogen, sulfate, chloride, phosphorous, dissolved oxygen, chlorine residual, E.coli, and total dissolved solids. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7 Pollutant Analysis of Treated Effluent. Domestic wastewater will be treated by an activated sludge process plant and the treatment units will include an Influent flows through comminutor and grit removal to master lift station to four aerobic Sequential Batch Reactors (SBR's) to ultraviolet disinfection channel to Parshall flume then to outfall. Sludge is disposed from the SBR Basin to two aerobic digesters to the sludge disposal area that consists of a 30 cubic yard sludge dewatering roll-off, four plastic media drying beds, and four conventional sand drying beds.



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): 2.5

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

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): 2.5

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

D. Current Operating Phase

Provide the startup date of the facility: 1994

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.**

Influent flows through comminutor and grit removal to master lift station to four aerobic Sequential Batch Reactors (SBR's) to ultraviolet disinfection channel to Parshall flume then to outfall. Sludge is disposed from the SBR Basin to two aerobic digesters to the sludge disposal area that consists of a 30 cubic yard sludge dewatering roll-off, four plastic media drying beds, and four conventional sand drying beds.

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)
Master Lift Station	1	20'x10'x26' Deep
SBR Basins	4	111'x36'x16.5' Deep
Aerobic Digesters	2	55' Diam.x10'/55' Diam.x11'
Plastic Media Sludge Drying Beds	4	30'x20'
Sand Sludge Drying Bends	4	50'x50'
Sludge Dewatering Roll-Off	1	30 CY

C. Process Flow Diagram

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

Attachment: 5

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

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

- Latitude: 33.59134
- Longitude: 96.155763

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: 6

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

City of Bonham

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

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
City of Bonham Collection System	City of Bonham	Publicly Owned	10,879
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

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.

The trickling filters, primary clarifier, and anaerobic digester had a closure plan approved on November 4, 2016. Construction is complete at the treatment plant, and the units have been taken out of service.

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: 2/28/18

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.**

This project was funded by TWDB and approval was received by TWDB on November 2, 2021.

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

Click to enter text.

C. Other actions required by the current permit

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

☐ Yes ☒ No

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

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.

N/A

4. Grease and decanted liquid disposal

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

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

N/A

E. Stormwater management

1. Applicability

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

2. MSGP coverage

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

☒ Yes ☐ No

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

TXR05 05CK92 or TXRNE Click to enter text.

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

☐ Yes ☒ No

3. Conditional exclusion

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

☐ Yes ☒ No

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

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. [Click to enter text.](#)

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the 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.

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.

Table 1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l	1.49		1	Grab	7/08/2025 06:00
Total Suspended Solids, mg/l	2.5		1	Grab	7/08/2025 06:00
Ammonia Nitrogen, mg/l	0.314		1	Grab	7/08/2025 06:00
Nitrate Nitrogen, mg/l	4.53		1	Grab	7/08/2025 06:00
Total Kjeldahl Nitrogen, mg/l	1.40		1	Grab	7/08/2025 06:00
Sulfate, mg/l	89.9		1	Grab	7/08/2025 06:00
Chloride, mg/l	54.2		1	Grab	7/08/2025 06:00
Total Phosphorus, mg/l	3.95		1	Grab	7/08/2025 06:00
pH, standard units	7.45		1	Grab	7/08/2025 06:00
Dissolved Oxygen*, mg/l	8.32		1	Grab	7/08/2025 06:00
Chlorine Residual, mg/l	N/A	N/A	N/A	N/A	N/A
<i>E.coli</i> (CFU/100ml) freshwater	51.2		1	Grab	7/16/2025 09:35
Enterococci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	387		1	Grab	7/08/2025 06:00
Electrical Conductivity, μ mohs/cm, †	N/A	N/A	N/A	N/A	N/A
Oil & Grease, mg/l	1.54		1	Grab	7/08/2025 06:00
Alkalinity (CaCO ₃)*, mg/l	103		1	Grab	7/08/2025 06:00

*TPDES permits only

†TLAP permits only

Table 1.0(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	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	N/A	N/A	N/A	N/A	N/A
pH, standard units	N/A	N/A	N/A	N/A	N/A
Fluoride, mg/l	N/A	N/A	N/A	N/A	N/A
Aluminum, mg/l	N/A	N/A	N/A	N/A	N/A
Alkalinity (CaCO ₃), mg/l	N/A	N/A	N/A	N/A	N/A

Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: Michael Seacat

Facility Operator's License Classification and Level: Class B

Facility Operator's License Number: WW0057285

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: [Click to enter text.](#)

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
Dispose in Landfill	Offsite Third Party	Bulk		N/A: Dispose in Landfill	N/A: Dispose in Landfill
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A

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

D. Disposal site

Disposal site name: [Blossom Prairie Landfill](#)

TCEQ permit or registration number: [2358](#)

County where disposal site is located: [Lamar](#)

E. Transportation method

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

Name of the hauler: [Sanitation Solutions](#)

Hauler registration number: [23976](#)

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

- Site map:

Attachment: N/A

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

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

Attachment: Click to enter text.

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

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: Click to enter text.

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

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

Phosphorus, mg/kg: Click to enter text.

Potassium, mg/kg: Click to enter text.

pH, standard units: Click to enter text.

Ammonia Nitrogen mg/kg: Click to enter text.

Arsenic: Click to enter text.

Cadmium: Click to enter text.

Chromium: Click to enter text.

Copper: Click to enter text.

Lead: Click to enter text.

Mercury: Click to enter text.

Molybdenum: Click to enter text.

Nickel: Click to enter text.

Selenium: Click to enter text.

Zinc: Click to enter text.

Total PCBs: [Click to enter text.](#)

Provide the following information:

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

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

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

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of 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: [Click to enter text.](#)
- Copy of the closure plan
Attachment: [Click to enter text.](#)
- Copy of deed recordation for the site
Attachment: [Click to enter text.](#)
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons
Attachment: [Click to enter text.](#)
- Description of the method of controlling infiltration of groundwater and surface water from entering the site
Attachment: [Click to enter text.](#)
- Procedures to prevent the occurrence of nuisance conditions
Attachment: [Click to enter text.](#)

E. Groundwater monitoring

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

☐ Yes ☐ No

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

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

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 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:

Click to enter text.

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

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

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

Section 14. Laboratory Accreditation (Instructions Page 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:

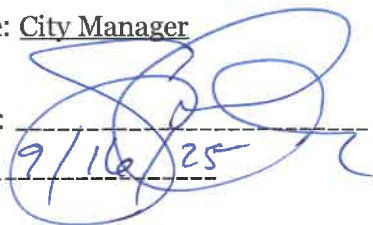
I certify that all laboratory tests submitted with this application meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*.

Printed Name: Sean Pate

Title: City Manager

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: [Click to enter text.](#)

Distance and direction to the intake: [Click to enter text.](#)

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

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

Section 2. Discharge into Tidally Affected Waters (Instructions Page 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: [Click to enter text.](#)

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

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

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: Pig Branch

A. Receiving water type

Identify the appropriate description of the receiving waters.

☒ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres: Click to enter text.

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

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

☐ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify: Click to enter text.

B. Flow characteristics

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

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

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

☐ Perennial - normally flowing

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

☐ USGS flow records

☐ Historical observation by adjacent landowners

☒ Personal observation

☐ Other, specify: Click to enter text.

C. Downstream perennial confluences

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

Bois D'arc Creek

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.

Pig Branch intercepts Bois D'arc Creek approximately 3,000' downstream of discharge.

E. Normal dry weather characteristics

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

Water clear to a depth of 2', healthy vegetation, animals present including minnows, turtles, and frogs. No odor or foam present.

Date and time of observation:

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: Click to enter text. |

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: Click to enter text. |

C. Waterbody aesthetics

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 4.0: POLLUTANT ANALYSIS REQUIREMENTS

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

This worksheet is not required minor amendments without renewal.

Section 1. Toxic Pollutants (Instructions Page 76)

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

Grab ☒ Composite ☐

Date and time sample(s) collected: 07/08/2025

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	<1.00		1	50
Aldrin	<0.00951		1	0.01
Aluminum	ND		1	2.5
Anthracene	<0.952		1	10
Antimony	ND		1	5
Arsenic	ND		1	0.5
Barium	33.6		1	3
Benzene	<1.00		1	10
Benzidine	<0.952		1	50
Benzo(a)anthracene	<0.952		1	5
Benzo(a)pyrene	<0.952		1	5
Bis(2-chloroethyl)ether	<0.952		1	10
Bis(2-ethylhexyl)phthalate	<1.90		1	10
Bromodichloromethane	<1.00		1	10
Bromoform	<1.00		1	10
Cadmium	ND		1	1
Carbon Tetrachloride	<1.00		1	2
Carbaryl	<2.38		1	5
Chlordane*	<0.0951		1	0.2
Chlorobenzene	<1.00		1	10
Chlorodibromomethane	<1.00		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chloroform	<1.00		1	10
Chlorpyrifos	<0.0381		1	0.05
Chromium (Total)	0.004		1	3
Chromium (Tri) (*1)	0.002		1	N/A
Chromium (Hex)	0.002		1	3
Copper	5.0		1	2
Chrysene	<0.952		1	5
p-Chloro-m-Cresol	<0.952		1	10
4,6-Dinitro-o-Cresol	<0.952		1	50
p-Cresol	<2.86		1	10
Cyanide (*2)	ND		1	10
4,4'- DDD	<0.00951		1	0.1
4,4'- DDE	<0.00951		1	0.1
4,4'- DDT	<0.00951		1	0.02
2,4-D	<0.473		1	0.7
Demeton (O and S)	<0.0476		1	0.20
Diazinon	<0.0476		1	0.5/0.1
1,2-Dibromoethane	<1.00		1	10
m-Dichlorobenzene	<1.00		1	10
o-Dichlorobenzene	<1.00		1	10
p-Dichlorobenzene	<1.00		1	10
3,3'-Dichlorobenzidine	<0.952		1	5
1,2-Dichloroethane	<1.00		1	10
1,1-Dichloroethylene	<1.00		1	10
Dichloromethane	<1.00		1	20
1,2-Dichloropropane	<1.00		1	10
1,3-Dichloropropene	<1.00		1	10
Dicofol	<0.0951		1	1
Dieldrin	<0.00951		1	0.02
2,4-Dimethylphenol	<6.67		1	10
Di-n-Butyl Phthalate	<0.952		1	10
Diuron	<0.0428		1	0.09
Endosulfan I (alpha)	<0.00951		1	0.01

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan II (beta)	<0.00951		1	0.02
Endosulfan Sulfate	<0.00951		1	0.1
Endrin	<0.00951		1	0.02
Epichlorohydrin	ND		1	---
Ethylbenzene	<1.00		1	10
Ethylene Glycol	ND		1	---
Fluoride	0.459		1	500
Guthion	<0.0476		1	0.1
Heptachlor	<0.00951		1	0.01
Heptachlor Epoxide	<0.00951		1	0.01
Hexachlorobenzene	<0.952		1	5
Hexachlorobutadiene	<1.00		1	10
Hexachlorocyclohexane (alpha)	<0.00951		1	0.05
Hexachlorocyclohexane (beta)	<0.00951		1	0.05
gamma-Hexachlorocyclohexane (Lindane)	<0.00951		1	0.05
Hexachlorocyclopentadiene	<1.00		1	10
Hexachloroethane	<0.952		1	20
Hexachlorophene	<0.952		1	10
4,4'-Isopropylidenediphenol	<0.010		1	1
Lead	ND		1	10.5
Malathion	<0.0476		1	0.1
Mercury	0.00013		1	0.005
Methoxychlor	<0.00951		1	2
Methyl Ethyl Ketone	<1.00		1	50
Methyl tert-butyl ether	<1.00		1	---
Mirex	<0.00951		1	0.02
Nickel	2.4		1	2
Nitrate-Nitrogen	4.53		1	100
Nitrobenzene	<0.952		1	10
N-Nitrosodiethylamine	<0.952		1	20
N-Nitroso-di-n-Butylamine	<0.952		1	20
Nonylphenol	<0.952		1	333

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Parathion (ethyl)	<0.0381		1	0.1
Pentachlorobenzene	<0.952		1	20
Pentachlorophenol	<0.952		1	5
Phenanthrene	<0.952		1	10
Polychlorinated Biphenyls (PCB's) (*3)	1.33		1	0.2
Pyridine	<0.952		1	20
Selenium	ND		1	5
Silver	ND		1	0.5
1,2,4,5-Tetrachlorobenzene	<0.952		1	20
1,1,2,2-Tetrachloroethane	<1.00		1	10
Tetrachloroethylene	<1.00		1	10
Thallium	ND		1	0.5
Toluene	<1.00		1	10
Toxaphene	<0.0951		1	0.3
2,4,5-TP (Silvex)	<0.284		1	0.3
Tributyltin (see instructions for explanation)	3.7		1	0.01
1,1,1-Trichloroethane	<1.00		1	10
1,1,2-Trichloroethane	<0.227		1	10
Trichloroethylene	<1.00		1	10
2,4,5-Trichlorophenol	<0.952		1	50
TTHM (Total Trihalomethanes)	<1.00		1	10
Vinyl Chloride	<1.00		1	10
Zinc	17.7		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: 07/08/2025

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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Antimony	ND		1	5
Arsenic	ND		1	0.5
Beryllium	ND		1	0.5
Cadmium	ND		1	1
Chromium (Total)	0.004		1	3
Chromium (Hex)	0.002		1	3
Chromium (Tri) (*1)	0.002		1	N/A
Copper	5.0		1	2
Lead	ND		1	0.5
Mercury	0.00013		1	0.005
Nickel	2.4		1	2
Selenium	ND		1	5
Silver	ND		1	0.5
Thallium	ND		1	0.5
Zinc	17.7		1	5
Cyanide (*2)	0.0073		1	10
Phenols, Total	0.0055		1	10

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

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

Table 4.0(2)B – Volatile Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrolein	<2.00		1	50
Acrylonitrile	<1.00		1	50
Benzene	<1.00		1	10
Bromoform	<1.00		1	10
Carbon Tetrachloride	<1.00		1	12
Chlorobenzene	<1.00		1	10
Chlorodibromomethane	<1.00		1	10
Chloroethane	<1.00		1	50
2-Chloroethylvinyl Ether	<1.00		1	10
Chloroform	<1.00		1	10
Dichlorobromomethane [Bromodichloromethane]	<1.00		1	10
1,1-Dichloroethane	<1.00		1	10
1,2-Dichloroethane	<1.00		1	10
1,1-Dichloroethylene	<1.00		1	10
1,2-Dichloropropane	<1.00		1	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<1.00		1	10
1,2-Trans-Dichloroethylene	<1.00		1	10
Ethylbenzene	<1.00		1	10
Methyl Bromide	<1.00		1	50
Methyl Chloride	<1.00		1	50
Methylene Chloride	<1.00		1	20
1,1,2,2-Tetrachloroethane	<1.00		1	10
Tetrachloroethylene	<1.00		1	10
Toluene	<1.00		1	10
1,1,1-Trichloroethane	<1.00		1	10
1,1,2-Trichloroethane	<1.00		1	10
Trichloroethylene	<1.00		1	10
Vinyl Chloride	<1.00		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	<0.952		1	10
2,4-Dichlorophenol	<0.952		1	10
2,4-Dimethylphenol	<6.67		1	10
4,6-Dinitro-o-Cresol	<0.952		1	50
2,4-Dinitrophenol	<0.952		1	50
2-Nitrophenol	<0.952		1	20
4-Nitrophenol	<0.952		1	50
P-Chloro-m-Cresol	<0.952		1	10
Pentalchlorophenol	<0.952		1	5
Phenol	<0.952		1	10
2,4,6-Trichlorophenol	<0.952		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	<0.952		1	10
Acenaphthylene	<0.952		1	10
Anthracene	<0.952		1	10
Benzidine	<0.952		1	50
Benzo(a)Anthracene	<0.952		1	5
Benzo(a)Pyrene	<0.952		1	5
3,4-Benzofluoranthene	<0.952		1	10
Benzo(ghi)Perylene	<0.952		1	20
Benzo(k)Fluoranthene	<0.952		1	5
Bis(2-Chloroethoxy)Methane	<0.952		1	10
Bis(2-Chloroethyl)Ether	<0.952		1	10
Bis(2-Chloroisopropyl)Ether	<0.952		1	10
Bis(2-Ethylhexyl)Phthalate	<1.90		1	10
4-Bromophenyl Phenyl Ether	<0.952		1	10
Butyl benzyl Phthalate	1.46		1	10
2-Chloronaphthalene	<0.952		1	10
4-Chlorophenyl phenyl ether	<0.952		1	10
Chrysene	<0.952		1	5
Dibenzo(a,h)Anthracene	<0.952		1	5
1,2-(o)Dichlorobenzene	<1.00		1	10
1,3-(m)Dichlorobenzene	<1.00		1	10
1,4-(p)Dichlorobenzene	<1.00		1	10
3,3-Dichlorobenzidine	<0.952		1	5
Diethyl Phthalate	<0.952		1	10
Dimethyl Phthalate	<0.952		1	10
Di-n-Butyl Phthalate	<0.952		1	10
2,4-Dinitrotoluene	<0.952		1	10
2,6-Dinitrotoluene	<0.952		1	10
Di-n-Octyl Phthalate	<0.952		1	10
1,2-Diphenylhydrazine (as Azo-benzene)	<0.952		1	20
Fluoranthene	<0.952		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Fluorene	<0.952		1	10
Hexachlorobenzene	<0.952		1	5
Hexachlorobutadiene	<0.952		1	10
Hexachlorocyclo-pentadiene	<0.952		1	10
Hexachloroethane	<0.952		1	20
Indeno(1,2,3-cd)pyrene	<0.952		1	5
Isophorone	<0.952		1	10
Naphthalene	<1.00		1	10
Nitrobenzene	<0.952		1	10
N-Nitrosodimethylamine	<1.90		1	50
N-Nitrosodi-n-Propylamine	<0.952		1	20
N-Nitrosodiphenylamine	<0.952		1	20
Phenanthrene	<0.952		1	10
Pyrene	<0.952		1	10
1,2,4-Trichlorobenzene	<0.952		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	<0.00951		1	0.01
alpha-BHC (Hexachlorocyclohexane)	<0.00951		1	0.05
beta-BHC (Hexachlorocyclohexane)	<0.00951		1	0.05
gamma-BHC (Hexachlorocyclohexane)	<0.00951		1	0.05
delta-BHC (Hexachlorocyclohexane)	<0.00951		1	0.05
Chlordane	<0.0951		1	0.2
4,4-DDT	<0.00951		1	0.02
4,4-DDE	<0.00951		1	0.1
4,4,-DDD	<0.00951		1	0.1
Dieldrin	0.00326		1	0.02
Endosulfan I (alpha)	<0.00951		1	0.01
Endosulfan II (beta)	<0.00951		1	0.02
Endosulfan Sulfate	<0.00951		1	0.1
Endrin	<0.00951		1	0.02
Endrin Aldehyde	<0.00951		1	0.1
Heptachlor	<0.00951		1	0.01
Heptachlor Epoxide	<0.00951		1	0.01
PCB-1242	<0.190		1	0.2
PCB-1254	<0.190		1	0.2
PCB-1221	<0.190		1	0.2
PCB-1232	<0.190		1	0.2
PCB-1248	<0.190		1	0.2
PCB-1260	<0.190		1	0.2
PCB-1016	<0.190		1	0.2
Toxaphene	<0.0951		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 – No Compounds Identified

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

☐ Yes ☒ No

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

N/A

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

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

Grab ☐ Composite ☐

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

Table 4.0(2)F – Dioxin/Furan Compounds

Compound	Toxic Equivalency Factors	Wastewater Concentration (ppq)	Wastewater Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Equivalents (ppt)	MAL (ppq)
2,3,7,8 TCDD	1	N/A				10
1,2,3,7,8 PeCDD	0.5	N/A				50
2,3,7,8 HxCDDs	0.1	N/A				50
1,2,3,4,6,7,8 HpCDD	0.01	N/A				50
2,3,7,8 TCDF	0.1	N/A				10
1,2,3,7,8 PeCDF	0.05	N/A				50
2,3,4,7,8 PeCDF	0.5	N/A				50
2,3,7,8 HxCDFs	0.1	N/A				50
2,3,4,7,8 HpCDFs	0.01	N/A				50
OCDD	0.0003	N/A				100
OCDF	0.0003	N/A				100
PCB 77	0.0001	N/A				0.5
PCB 81	0.0003	N/A				0.5
PCB 126	0.1	N/A				0.5
PCB 169	0.03	N/A				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: 40

48-hour Acute: 12

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
4/21/2020	C. DUBIA	100%	100%
4/21/2020	P. PROMELAS	100%	100%
8/18/2020	C. DUBIA	100%	N/A
8/18/2020	P. PROMELAS	100%	N/A
8/18/2020	C. DUBIA	100%	100%
8/18/2020	P. PROMELAS	100%	100%
11/10/2020	C. DUBIA	100%	100%
11/10/2020	P. PROMELAS	100%	100%
3/2/2021	C. DUBIA	100%	N/A
3/2/2021	P. PROMELAS	100%	N/A
3/2/2021	C. DUBIA	100%	100%
3/2/2021	P. PROMELAS	100%	100%
5/4/2021	C. DUBIA	100%	100%
5/4/2021	P. PROMELAS	100%	100%
8/10/2021	C. DUBIA	100%	N/A
8/10/2021	P. PROMELAS	100%	N/A
8/10/2021	C. DUBIA	100%	100%
8/10/2021	P. PROMELAS	100%	100%
11/30/2021	C. DUBIA	100%	100%
11/30/2021	P. PROMELAS	100%	100%
3/8/2022	C. DUBIA	100%	N/A
3/8/2022	P. PROMELAS	100%	N/A

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal
3/8/2022	C. DUBIA	100%	100%
3/8/2022	P. PROMELAS	100%	100%
5/10/2022	C. DUBIA	100%	100%
5/10/2022	P. PROMELAS	100%	100%
8/9/2022	C. DUBIA	100%	N/A
8/9/2022	P. PROMELAS	100%	N/A
8/9/2022	C. DUBIA	100%	100%
8/9/2022	P. PROMELAS	100%	100%
11/29/2022	C. DUBIA	100%	100%
11/29/2022	P. PROMELAS	100%	100%
3/7/2023	C. DUBIA	100%	N/A
3/7/2023	P. PROMELAS	100%	N/A
3/7/2023	C. DUBIA	100%	100%
3/7/2023	P. PROMELAS	100%	100%
5/9/2023	C. DUBIA	100%	100%
5/9/2023	P. PROMELAS	100%	100%
8/8/2023	C. DUBIA	100%	100%
8/8/2023	P. PROMELAS	100%	100%
12/5/2023	C. DUBIA	100%	100%
12/5/2023	P. PROMELAS	100%	100%
3/19/2024	C. DUBIA	100%	100%
3/19/2024	P. PROMELAS	100%	100%

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal
5/14/2024	C. DUBIA	100%	100%
5/14/2024	P. PROMELAS	100%	100%
9/24/2024	C. DUBIA	100%	100%
9/24/2024	P. PROMELAS	100%	100%
12/10/2024	C. DUBIA	100%	100%
12/10/2024	P. PROMELAS	100%	100%
3/25/2025	C. DUBIA	100%	100%
3/25/2025	P. PROMELAS	100%	100%

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works.

Section 1. All POTWs (Instructions Page 87)

A. Industrial users (IUs)

Provide the number of each of the following types of industrial users (IUs) that discharge to your POTW and the daily flows from each user. See the Instructions for definitions of Categorical IUs, Significant IUs - non-categorical, and Other IUs.

If there are no users, enter 0 (zero).

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs - non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

B. Treatment plant interference

In the past three years, has your POTW experienced treatment plant interference (see instructions)?

☐ Yes ☒ No

If yes, identify the dates, duration, description of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IUs that may have caused the interference.

N/A

C. Treatment plant pass through

In the past three years, has your POTW experienced pass through (see instructions)?

☐ Yes ☒ No

If **yes**, identify the dates, duration, a description of the pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass through event. Include the names of the IUs that may have caused pass through.

N/A

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

If **yes**, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

If **yes**, complete Section 2.c. and 2.d. only, and skip Section 3.

If **no to either question above**, skip Section 2 and complete Section 3 for each significant industrial user and categorical industrial user.

Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 87)

A. Substantial modifications

Have there been any **substantial modifications** to the approved pretreatment program that have not been submitted to the TCEQ for approval according to *40 CFR §403.18*?

☐ Yes ☐ No

If **yes**, identify the modifications that have not been submitted to TCEQ, including the purpose of the modification.

N/A

B. Non-substantial modifications

Have there been any **non-substantial modifications** to the approved pretreatment program that have not been submitted to TCEQ for review and acceptance?

☐ Yes ☐ No

If yes, identify all non-substantial modifications that have not been submitted to TCEQ, including the purpose of the modification.

N/A

C. Effluent parameters above the MAL

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

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A

D. Industrial user interruptions

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

☐ Yes ☐ No

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

N/A

Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 88)

A. General information

Company Name: N/A

SIC Code: Click to enter text.

Contact name: Click to enter text.

Address: Click to enter text.

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

Telephone number: Click to enter text.

Email address: Click to enter text.

B. Process information

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

N/A

C. Product and service information

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

N/A

D. Flow rate information

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

Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

Category: Subcategories: [Click to enter text.](#)

[Click or tap here to enter text.](#) [Click to enter text.](#)

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

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

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

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

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

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

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

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

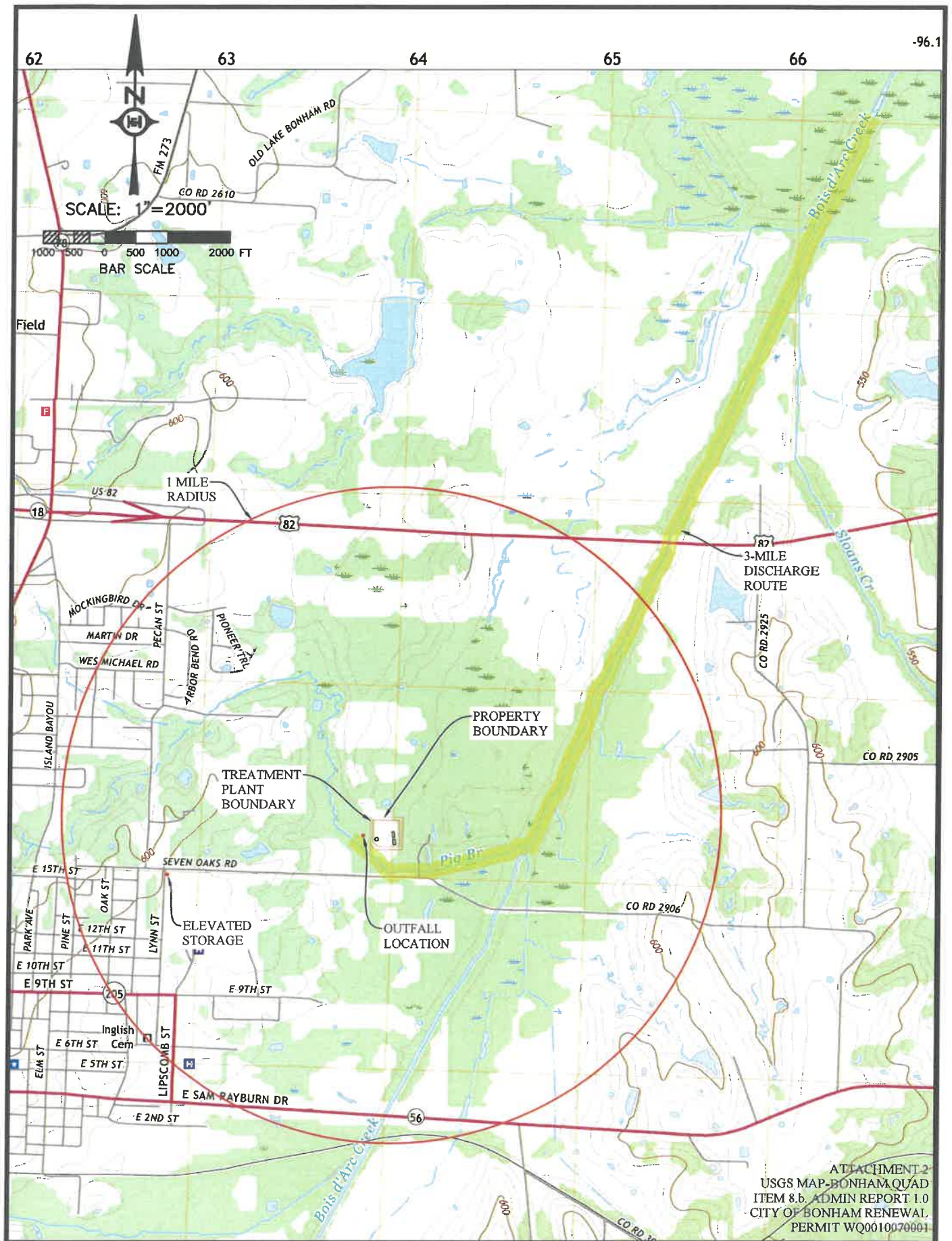
F. Industrial user interruptions

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

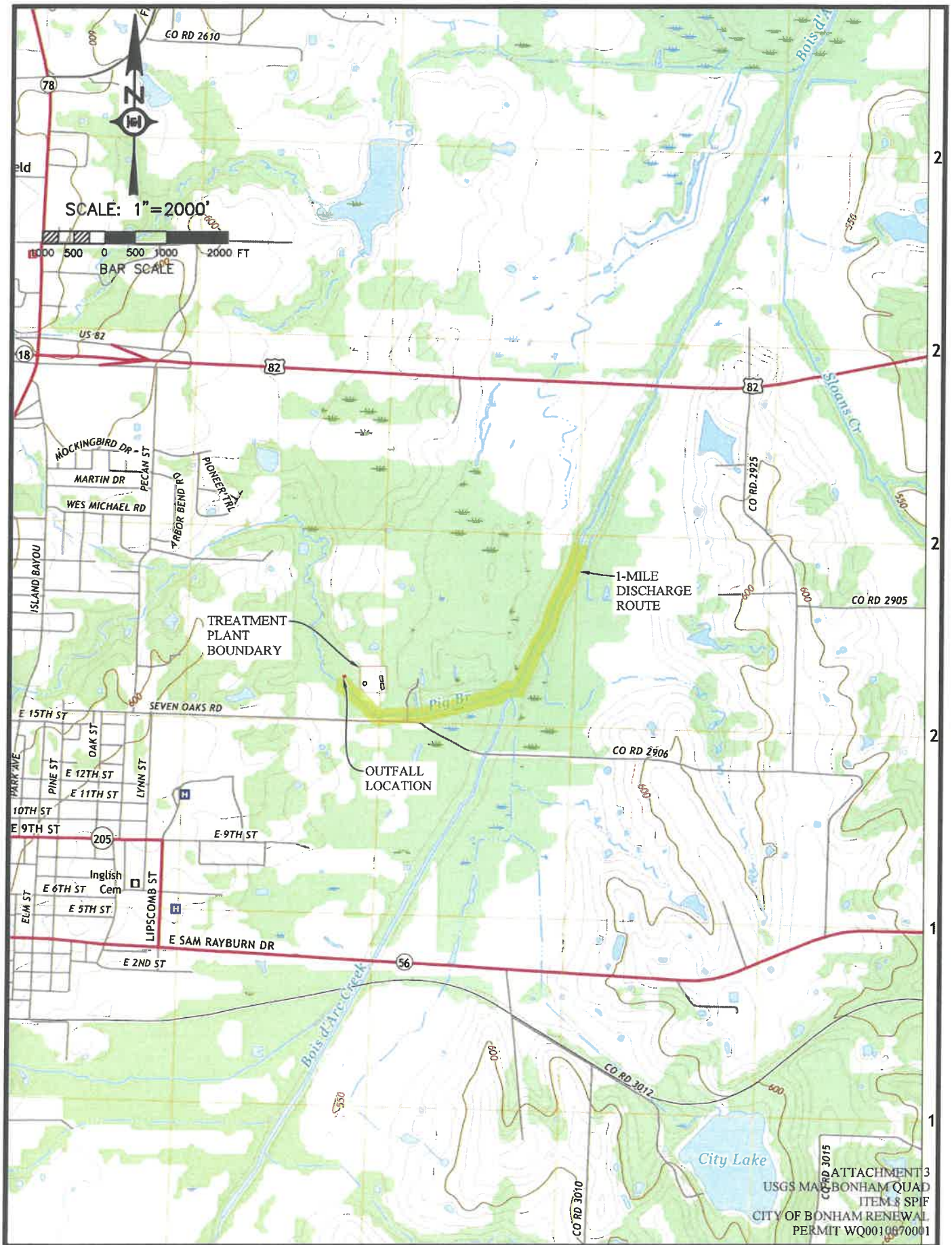
☐ Yes ☐ No

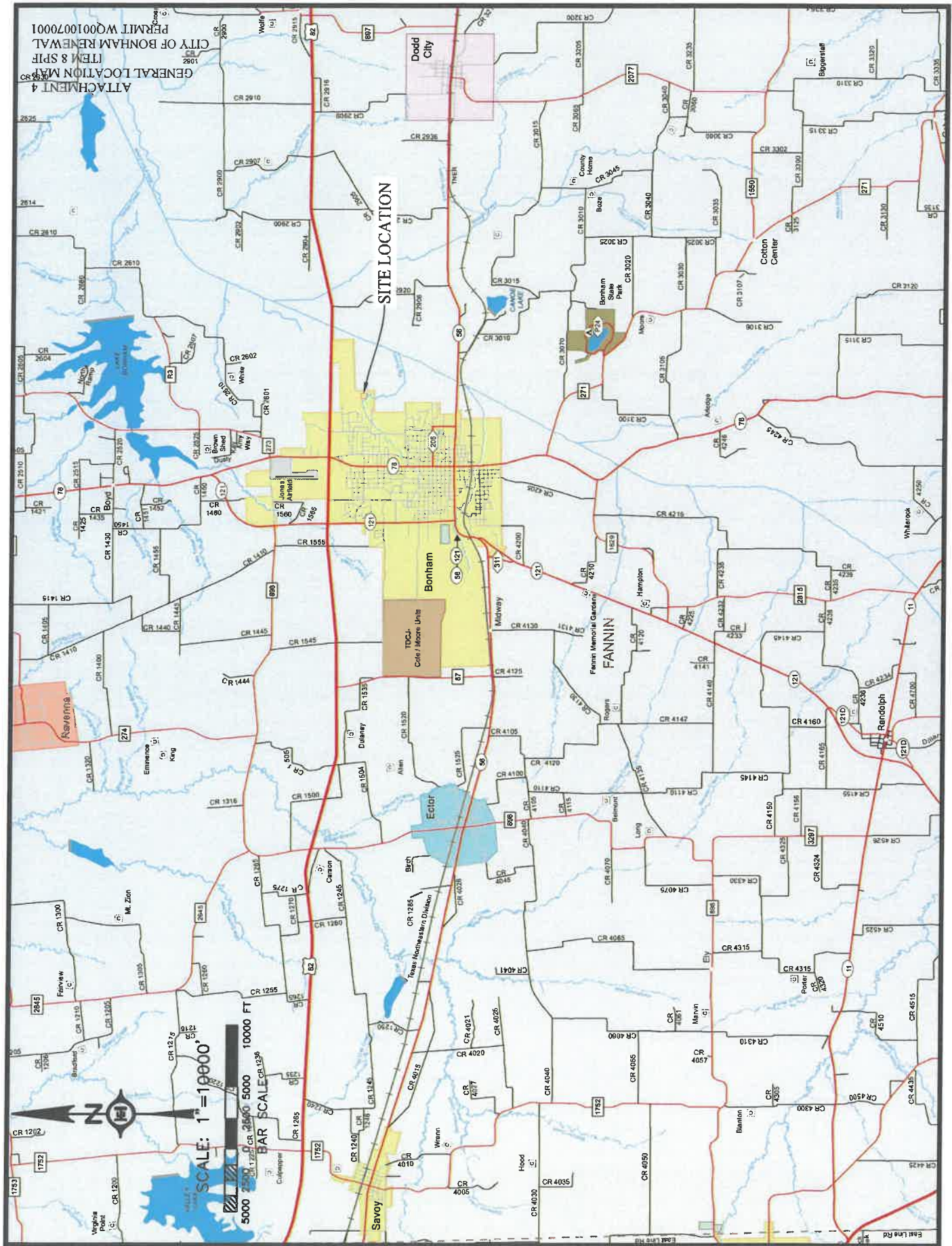
If yes, identify the SIU, describe each episode, including dates, duration, description of problems, and probable pollutants.

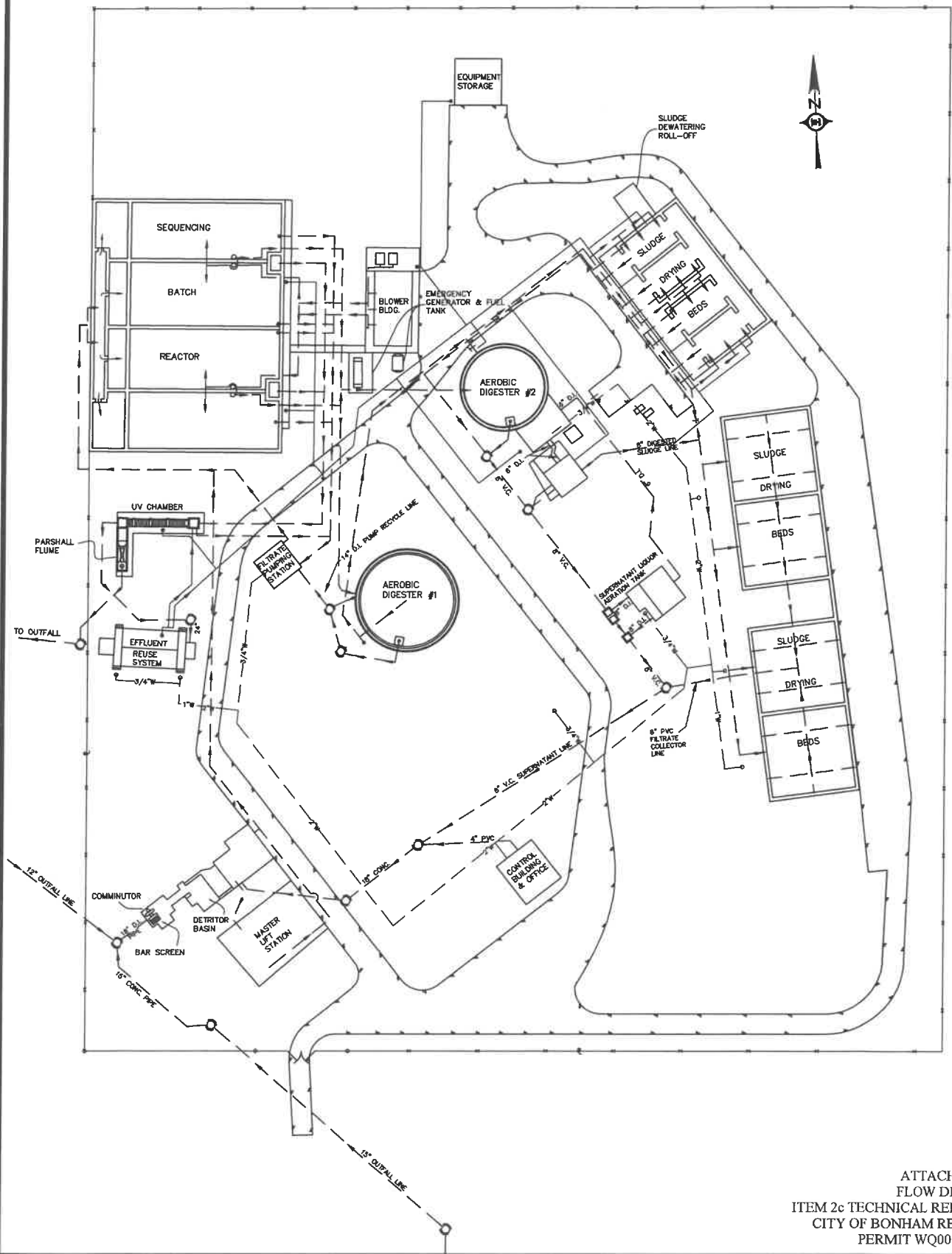
N/A



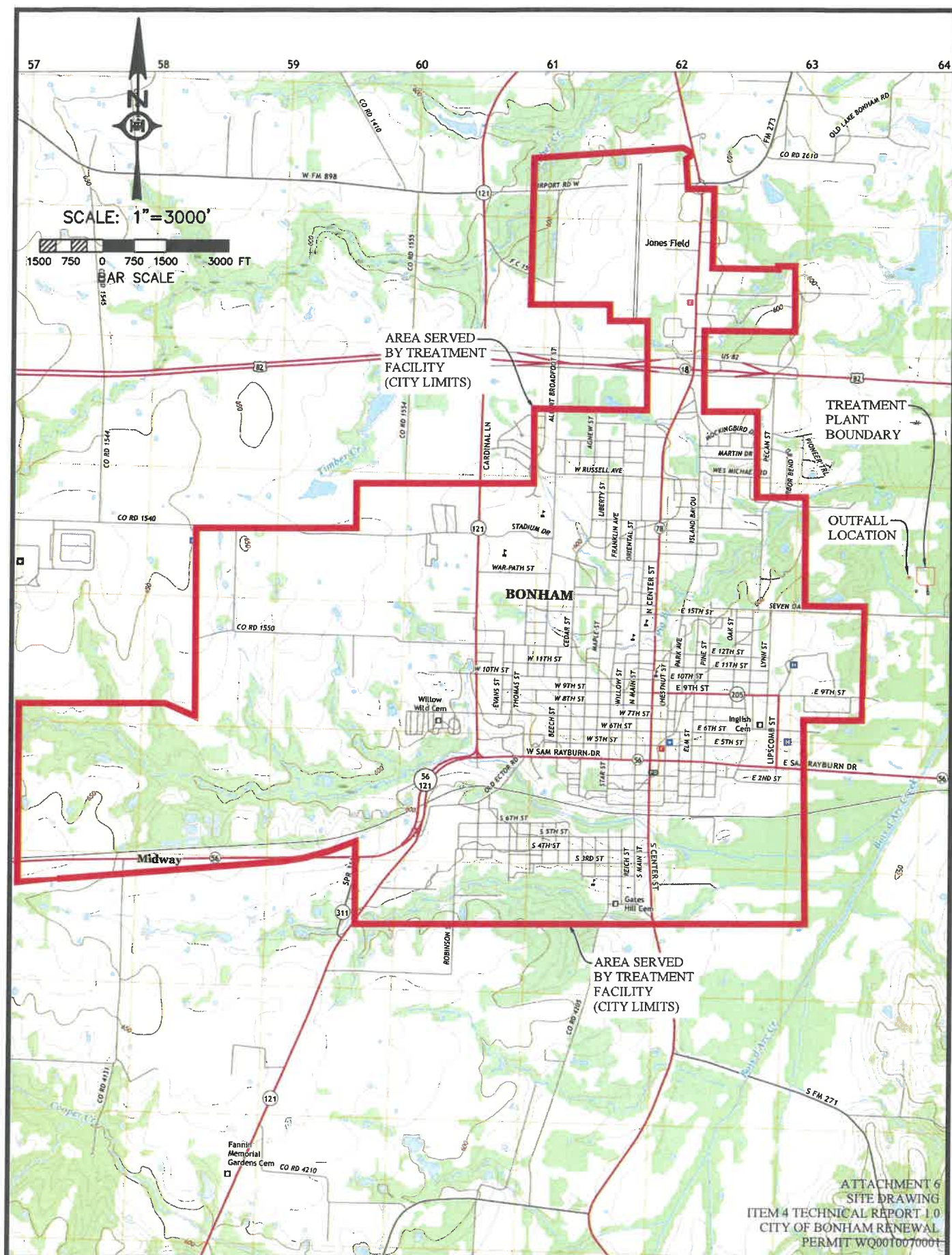
ATTACHMENT 2
USGS MAP-BONHAM QUAD
ITEM 8.b. ADMIN REPORT 1.0
CITY OF BONHAM RENEWAL
PERMIT WQ0010070001







ATTACHMENT 5
 FLOW DIAGRAM
 ITEM 2c TECHNICAL REPORT 1.0
 CITY OF BONHAM RENEWAL
 PERMIT WQ0010070001





ANALYTICAL REPORT

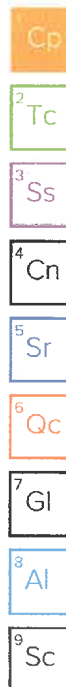
August 15, 2025

Revised Report

City of Bonham

Sample Delivery Group: L1876410
Samples Received: 07/08/2025
Project Number:
Description: Permit Renewal

Report To: Michael Seacat
2501 Seven Oaks Road
Bonham, TX 75418



Entire Report Reviewed By:

Dorothy P Roberts
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

OUTFALL 001 L1876410-01

Collected by

Collected date/time

Received date/time

07/08/25 06:00

07/08/25 14:40

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2556314	1	07/12/25 17:33	07/12/25 17:33	JDB	Mt. Juliet, TN
Gravimetric Analysis by Method 2540C	WG2557327	1	07/10/25 16:51	07/10/25 17:28	QQT	Allen, TX
Gravimetric Analysis by Method 2540D	WG2556000	1	07/09/25 11:23	07/09/25 13:28	QQT	Allen, TX
Wet Chemistry by Method 1664B	WG2558697	1	07/13/25 14:27	07/14/25 07:56	DGC	Mt. Juliet, TN
Wet Chemistry by Method 2320B	WG2558995	1	07/14/25 10:00	07/14/25 10:00	CMW	Allen, TX
Wet Chemistry by Method 300.0	WG2555455	1	07/08/25 16:14	07/08/25 16:14	JBS	Allen, TX
Wet Chemistry by Method 300.0	WG2556093	10	07/10/25 10:53	07/10/25 10:53	JBS	Allen, TX
Wet Chemistry by Method 300.0	WG2560536	1	07/16/25 11:07	07/16/25 11:07	JBS	Allen, TX
Wet Chemistry by Method 3500Cr-B	WG2555828	1	07/09/25 16:49	07/09/25 16:49	SMC	Allen, TX
Wet Chemistry by Method 351.2	WG2559656	1	07/15/25 10:58	07/15/25 19:46	EIG	Allen, TX
Wet Chemistry by Method 360.1	WG2555909	1	07/09/25 10:13	07/09/25 10:13	SKW	Allen, TX
Wet Chemistry by Method 420.1	WG2558953	1	07/14/25 08:14	07/14/25 18:36	SMC	Allen, TX
Wet Chemistry by Method 4500CN-E	WG2555831	1	07/09/25 08:26	07/09/25 15:05	SMC	Allen, TX
Wet Chemistry by Method 4500CN-G	WG2555831	1	07/09/25 15:05	07/09/25 15:05	SMC	Allen, TX
Wet Chemistry by Method 4500P-E	WG2556734	10	07/10/25 16:43	07/10/25 16:43	SMC	Allen, TX
Wet Chemistry by Method 5210 B-2016	WG2555028	1	07/08/25 17:03	07/13/25 08:01	SKW	Allen, TX
Wet Chemistry by Method SM 4500-H+B	WG2559299	1	07/14/25 15:55	07/14/25 15:55	CAH	Allen, TX
Wet Chemistry by Method SM4500NH3H	WG2559142	1	07/14/25 13:39	07/14/25 13:39	EIG	Allen, TX
Mercury by Method 245.1	WG2556198	1	07/13/25 17:22	07/14/25 11:18	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 200.8	WG2556314	1	07/11/25 17:21	07/12/25 17:33	JDB	Mt. Juliet, TN
Subcontracted Analyses	WG2555458	1	08/01/25 00:00	08/01/25 00:00	ANF	Subcontract
Subcontracted Analyses	WG2555513	1	07/14/25 00:00	07/14/25 00:00	SSD	St. Rose, LA 70087
Subcontracted Analyses	WG2555544	1	08/08/25 00:00	08/08/25 00:00	SSD	Minneapolis, MN 55414

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Dorothy P Roberts
Project Manager



Report Revision History

Level II Report - Version 1: 08/08/25 11:23

Project Narrative

The vials for the volatile analysis were empty and will be re-collected.
The E.coli was received out of hold and will be re-collected

8/15/25 Revised. The original report issues on August 8 was incomplete. Subcontracted reports have been added. Ethylene glycol, tributyltin, epichlorohydrin, and bisphenol A will be reporting separately.
L1876410 -01 contains subout data that is included after the chain of custody.

Sample Delivery Group (SDG) Narrative

Analysis was filtered in the laboratory.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L1876410-01	OUTFALL 001	3500Cr-B

OUTFALL 001

Collected date/time: 07/08/25 06:00

SAMPLE RESULTS - 01

L1876410

Calculated Results

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
Chromium, Trivalent	U		0.00200	0.00300	0.00300	1	07/12/2025 17:33	WG2556314

1 Cp

2 Tc

Gravimetric Analysis by Method 2540C

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
Total Dissolved Solids	387		33.3	33.3	1	07/10/2025 17:28	WG2557327

3 Ss

4 Cn

Gravimetric Analysis by Method 2540D

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
Suspended Solids	ND		2.50	2.50	1	07/09/2025 13:28	WG2556000

5 Sr

6 Qc

Wet Chemistry by Method 1664B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
Oil & Grease (Hexane Extr)	U		1.54	5.49	5.49	1	07/14/2025 07:56	WG2558697

7 GI

8 Al

Wet Chemistry by Method 2320B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
Alkalinity	103		20.0	20.0	20.0	1	07/14/2025 10:00	WG2558995
Alkalinity, Bicarbonate	103		20.0	20.0	20.0	1	07/14/2025 10:00	WG2558995
Alkalinity, Carbonate	U		20.0	20.0	20.0	1	07/14/2025 10:00	WG2558995
Alkalinity, Hydroxide	U		20.0	20.0	20.0	1	07/14/2025 10:00	WG2558995
Phenolphthalein Alkalinity	U		20.0	20.0	20.0	1	07/14/2025 10:00	WG2558995

9 Sc

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
Chloride	54.2		3.25	0.800	8.00	10	07/10/2025 10:53	WG2556093
Fluoride	0.459	J	0.0947	0.500	0.500	1	07/16/2025 11:07	WG2560536
Nitrate as (N)	4.53		0.379	0.500	0.500	1	07/08/2025 16:14	WG2555455
Sulfate	89.9	J6	2.11	0.700	7.00	10	07/10/2025 10:53	WG2556093

Wet Chemistry by Method 3500Cr-B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
Chromium, Hexavalent	U		0.00200	0.00300	0.00300	1	07/09/2025 16:49	WG2555828

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1.40	B J5	0.140	0.250	0.250	1	07/15/2025 19:46	WG2559656

Wet Chemistry by Method 360.1

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
Dissolved Oxygen	8.32	T8	1.00	1	1	07/09/2025 10:13	WG2555909

OUTFALL 001

Collected date/time: 07/08/25 06:00

SAMPLE RESULTS - 01

L1876410

Wet Chemistry by Method 420.1

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
Total Phenols by 4AAP	U	<u>J6</u>	0.00550	0.0100	0.0100	1	07/14/2025 18:36	<u>WG2558953</u>

1 Cp

2 Tc

Wet Chemistry by Method 4500CN-E

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
Cyanide	U		0.00730	0.0100	0.0100	1	07/09/2025 15:05	<u>WG2555831</u>

3 Ss

4 Cn

Wet Chemistry by Method 4500CN-G

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
Cyanide,amenable	U		0.00730	0.0100	0.0100	1	07/09/2025 15:05	<u>WG2555831</u>

5 Sr

6 Qc

Wet Chemistry by Method 4500P-E

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
Phosphorus, Total	3.95	<u>V</u>	0.152	0.0500	0.500	10	07/10/2025 16:43	<u>WG2556734</u>

7 Gl

8 Al

Wet Chemistry by Method 5210 B-2016

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
CBOD	1.49		1.00	1.00	1	07/13/2025 08:01	<u>WG2555028</u>

9 Sc

Wet Chemistry by Method SM 4500-H+B

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.45	<u>T8</u>	1	07/14/2025 15:55	<u>WG2559299</u>

Sample Narrative:

L1876410-01 WG2559299: 7.45 at 20C

Wet Chemistry by Method SM4500NH3H

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.314		0.0280	0.100	0.100	1	07/14/2025 13:39	<u>WG2559142</u>

Mercury by Method 245.1

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
Mercury	U		0.000130	0.000200	0.000200	1	07/14/2025 11:18	<u>WG2556198</u>

Metals (ICPMS) by Method 200.8

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis date / time	Batch
Chromium	U		0.00560	0.0200	0.0200	1	07/12/2025 17:33	<u>WG2556314</u>

Method Blank (MB)

(MB) R4243741-1 07/10/25 17:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Total Dissolved Solids	U		25.0	25.0

L1876410-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1876410-01 07/10/25 17:28 • (DUP) R4243741-3 07/10/25 17:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Dissolved Solids	387	373	1	3.53		10

Laboratory Control Sample (LCS)

(LCS) R4243741-2 07/10/25 17:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Dissolved Solids	2470	2560	104	85.0-115	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Oc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4243151-1 07/09/25 13:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Suspended Solids	U		2.50	2.50

L1876602-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1876602-05 07/09/25 13:28 • (DUP) R4243151-3 07/09/25 13:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	16400	16300	1	0.489		10

L1876602-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1876602-06 07/09/25 13:28 • (DUP) R4243151-4 07/09/25 13:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	16200	16600	1	2.56		10

Laboratory Control Sample (LCS)

(LCS) R4243151-2 07/09/25 13:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Suspended Solids	832	847	102	85.0-115	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4244500-1 07/14/25 07:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Oil & Grease (Hexane Extr)	U		1.40	5.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4244500-2 07/14/25 07:56 • (LCSD) R4244500-3 07/14/25 07:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Oil & Grease (Hexane Extr)	40.0	40.2	35.0	101	87.5	78.0-114			13.8	20

L1876410-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1876410-01 07/14/25 07:56 • (MS) R4244500-4 07/14/25 07:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Oil & Grease (Hexane Extr)	40.0	U	31.4	78.5	1	78.0-114	

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Method Blank (MB)

(MB) R4244640-1 07/14/25 10:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity	U		20.0	20.0
Alkalinity,Bicarbonate	U		20.0	20.0
Alkalinity,Carbonate	U		20.0	20.0
Alkalinity,Hydroxide	U		20.0	20.0
Phenolphthalein Alkalinity	U		20.0	20.0

L1876411-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1876411-05 07/14/25 10:00 • (DUP) R4244640-3 07/14/25 10:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	420	440	1	4.65		20

L1876619-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1876619-04 07/14/25 10:00 • (DUP) R4244640-4 07/14/25 10:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	26.3	25.0	1	4.88		20

Laboratory Control Sample (LCS)

(LCS) R4244640-2 07/14/25 10:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	250	242	96.8	90.0-110	

Method Blank (MB)

(MB) R4242390-1 07/08/25 15:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate as (N)	U		0.379	0.500

Laboratory Control Sample (LCS)

(LCS) R4242390-2 07/08/25 15:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate as (N)	5.00	4.90	98.1	90.0-110	

L1876410-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1876410-01 07/08/25 16:14 • (MS) R4242390-3 07/08/25 16:29 • (MSD) R4242390-4 07/08/25 16:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate as (N)	5.00	4.53	9.65	9.59	102	101	1	90.0-110		0.628		20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4243180-1 07/10/25 10:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.367	J	0.325	0.800
Sulfate	U		0.211	0.700

Laboratory Control Sample (LCS)

(LCS) R4243180-2 07/10/25 10:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	5.00	4.90	98.1	90.0-110	
Sulfate	5.00	5.09	102	90.0-110	

L1876410-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1876410-01 07/10/25 10:53 • (MS) R4243180-3 07/10/25 13:09 • (MSD) R4243180-4 07/10/25 13:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	54.2	102	101	10	90.0-110	J6	J6	1.57	20
Sulfate	50.0	89.9	135	134	10	90.0-110	J6	J6	0.821	20

Cp

Tc

Ss

Ch

Sr

Qc

Gl

Al

Sc

Method Blank (MB)

(MB) R4245794-1 07/16/25 10:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Fluoride	U		0.0947	0.500

Laboratory Control Sample (LCS)

(LCS) R4245794-2 07/16/25 10:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoride	5.00	4.84	96.9	90.0-110	

L1878829-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1878829-01 07/16/25 11:43 • (MS) R4245794-3 07/16/25 11:55 • (MSD) R4245794-4 07/16/25 12:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	MSD Result mg/l	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	5.00	0.318	5.10	95.6	5.04	1	90.0-110			1.16	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4242769-1 07/09/25 16:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chromium, Hexavalent	U	0.00200	0.00200	0.00300

Laboratory Control Sample (LCS)

(LCS) R4242769-2 07/09/25 16:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chromium, Hexavalent	0.200	0.200	100	85.0-115	

L1875825-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1875825-01 07/09/25 16:49 • (MS) R4242769-3 07/09/25 16:50 • (MSD) R4242769-4 07/09/25 16:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium, Hexavalent	0.200	U	0.188	0.188	93.8	93.8	1	85.0-115		0.000		20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4245419-1 07/15/25 19:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Kjeldahl Nitrogen, TKN	0.187	J	0.140	0.250

Laboratory Control Sample (LCS)

(LCS) R4245419-2 07/15/25 20:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	4.00	4.18	105	90.0-110	

L1876410-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1876410-01 07/15/25 19:46 • (MS) R4245419-3 07/15/25 20:16 • (MSD) R4245419-4 07/15/25 20:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	4.00	1.40	6.12	6.50	118	128	1	90.0-110	J5	J5	6.02	20

L1876908-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1876908-02 07/15/25 19:52 • (MS) R4245419-5 07/15/25 20:18 • (MSD) R4245419-6 07/15/25 20:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	4.00	2.41	8.60	7.87	155	137	1	90.0-110	J5	J5	8.86	20



L1876410-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1876410-01 07/09/25 10:13 • (DUP) R4242464-1 07/09/25 10:13

Analyte	Original Result		DUP Result		Dilution	DUP RPD		DUP Qualifier	DUP RPD Limits	
	mg/l		mg/l			%			%	
Dissolved Oxygen	8.32		8.43		1	1.31			10	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

WG25558953

Wet Chemistry by Method 420.1

QUALITY CONTROL SUMMARY

L1876410-01

Method Blank (MB)

(MB) R4244813-1 07/14/25 18:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Total Phenols by 4AAP	U		0.00550	0.0100

Laboratory Control Sample (LCS)

(LCS) R4244813-2 07/14/25 18:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Phenols by 4AAP	0.133	0.156	117	80.0-120	

L1876410-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1876410-01 07/14/25 18:36 • (MS) R4244813-3 07/14/25 18:36 • (MSD) R4244813-4 07/14/25 18:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Total Phenols by 4AAP	0.133	U	U	U	0.000	0.000	1	80.0-120	J6	J6	0.000	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4242661-1 07/09/25 15:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U	0.00730	0.0100	

Laboratory Control Sample (LCS)

(LCS) R4242661-2 07/09/25 15:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.0943	94.3	85.0-115	

L1876187-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1876187-01 07/09/25 15:05 • (MS) R4242661-3 07/09/25 15:06 • (MSD) R4242661-4 07/09/25 15:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0915	0.0925	91.5	92.5	1	85.0-115		1.16	1.16	20

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Method Blank (MB)

(MB) R4243271-1 07/10/25 16:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phosphorus, Total	0.0187	J	0.0152	0.0500

Laboratory Control Sample (LCS)

(LCS) R4243271-2 07/10/25 16:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phosphorus, Total	0.500	0.475	95.0	80.0-120	

L1867853-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867853-06 07/10/25 16:40 • (MS) R4243271-3 07/10/25 16:45 • (MSD) R4243271-4 07/10/25 16:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Phosphorus, Total	0.500	0.0538	0.416	0.483	72.5	85.9	1	80.0-120	J6		15.0	20

L1876410-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1876410-01 07/10/25 16:43 • (MS) R4243271-5 07/10/25 16:45 • (MSD) R4243271-6 07/10/25 16:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Phosphorus, Total	0.500	3.95	4.51	4.68	112	146	10	80.0-120		V	3.67	20

Method Blank (MB)

(MB) R4244521-1 07/13/25 07:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
CBOD	U		0.200	0.200

L1876120-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1876120-01 07/13/25 07:43 • (DUP) R4244521-3 07/13/25 08:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
CBOD	1.35	1.31	1	3.01		20

Laboratory Control Sample (LCS)

(LCS) R4244521-2 07/13/25 07:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
CBOD	198	213	108	85-115	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1877355-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1877355-01 07/14/25 15:55 • (DUP) R4244782-2 07/14/25 15:55

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Analyte	Original Result		DUP Result		Dilution	DUP RPD		DUP Qualifier	DUP RPD Limits	
	SU		SU			%			%	
pH	7.85		7.90		1	0.635			20	

Sample Narrative:

OS: 7.85 at 19.7C

DUP: 7.9 at 19.6C

Laboratory Control Sample (LCS)

(LCS) R4244782-1 07/14/25 15:55

Analyte	Spike Amount		LCS Result		LCS Rec.	Rec. Limits		LCS Qualifier
	SU		SU			%		
pH	6.00		6.01		100	99.0-101		

Sample Narrative:

LCS: 6.01 at 21.8C

Method Blank (MB)

(MB) R4244736-1 07/14/25 13:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	U	0.0280	0.0280	0.100

Laboratory Control Sample (LCS)

(LCS) R4244736-2 07/14/25 13:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	5.00	5.40	108	80.0-120	

L1876124-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1876124-07 07/14/25 13:27 • (MS) R4244736-3 07/14/25 13:18 • (MSD) R4244736-4 07/14/25 13:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	U	5.35	5.33	107	107	1	80.0-120		0.375		20

L1876190-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1876190-01 07/14/25 13:29 • (MS) R4244736-5 07/14/25 13:22 • (MSD) R4244736-6 07/14/25 13:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	0.972	6.22	6.23	105	105	1	80.0-120		0.161		20

Method Blank (MB)

(MB) R4244732-1 07/14/25 10:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U	0.000130	0.000200	0.000200

Laboratory Control Sample (LCS)

(LCS) R4244732-2 07/14/25 10:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00311	104	85.0-115	

L1876843-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1876843-01 07/14/25 10:53 • (MS) R4244732-4 07/14/25 10:58 • (MSD) R4244732-5 07/14/25 11:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00321	0.00312	107	104	1	70.0-130		2.75	20	

L1876938-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1876938-01 07/14/25 11:03 • (MS) R4244732-6 07/14/25 11:05 • (MSD) R4244732-7 07/14/25 11:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00316	0.00314	105	105	1	70.0-130		0.666	20	

Method Blank (MB)

(MB) R4244258-1 07/12/25 16:37

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chromium	U	0.00560	0.0200	

Laboratory Control Sample (LCS)

(LCS) R4244258-2 07/12/25 16:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chromium	0.0500	0.0482	96.3	85.0-115	

L1876424-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1876424-01 07/12/25 16:44 • (MS) R4244258-4 07/12/25 16:50 • (MSD) R4244258-5 07/12/25 16:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium	0.0500	U	0.0494	0.0506	98.8	101	1	70.0-130		2.44	20	

L1876570-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1876570-01 07/12/25 16:57 • (MS) R4244258-6 07/12/25 17:00 • (MSD) R4244258-7 07/12/25 17:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium	0.0500	0.0113	0.0578	0.0582	92.9	93.7	1	70.0-130		0.701	20	

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
ND	Not detected at the Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

Pace Analytical Services, LLC -Dallas 400 W. Bethany Drive Suite 190 Allen, TX 75013

Arkansas	88-0647	Kansas	E10388
Florida	E871118	Texas	T104704232-23-39
Iowa	408	Oklahoma	8727
Louisiana	30686		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address:

Billing Information:

City of Bonham

2501 Seven Oaks Road
Bonham, TX 75418Lance Capehart
514 Chestnut
Bonham, TX 75418

Report to:

Michael Seacat 903-583-4033

Email To: mseacat@cityofbonham.org

Project Description:

Permit Renewal

City/State
Collected:Please Circle:
PT MT CT ET

Regulatory Program(DD,RCRA,DW,etc):

Client Project #

Lab Project #

DSCOFBMBTX-PERMIT4.0

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Immediately
Packed on ice N YSame Day Five Day
Next Day 5 Day (Rad Only)
Two Day 10 Day (Rad Only)
Three Day STD TAT

Date Results Needed

No.
of
Cntrs

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

Cntrs

OUT-11 001

Comp

GW

7-7-25

06:00

33

X ALL9223MPN E.coli Microbiological

X ALLCBOD 1L-HDPE NoPres

X ALLCNAM 250mlHDPE-NaOH

X ALLCR6, DO 500mlHDPE-NoPres

X ALLNH34500,ALLTKN 250mlHDPE-H2SO4

X ALLPHOS 500mlHDPE-Add H2SO4

X ALLPHTCHLOR 250mlAmb-H2SO4

X ALLSUB200.8 STRose 250mlHDPE-HNO3

X ALLSUB604 1-SPL 1L-Amb-No Pres

X ALLSUB608-SPL 1L-Amb-No Pres

Chain of Custody

Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

ALLEN, TX

400 W. Bethany Drive Suite 190 Allen, TX 75013
Submitting a sample via the chain of custody
constitutes acknowledgment and acceptance of the
Pace Terms and Conditions found at:
https://info.pacebs.com/html/pa-standard-
terms.pdf

SDG #

41874410

Table #

41874410

Account: DSCOFBMBTX

Template: T275510

Prelogin: P1158730

PM: 3565 - Dorothy A. Roberts

PB: 61325

Shipped Via: FedEx Ground

Sample # (lab only)

Remarks

-01

* Matrix:

SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - Wastewater
DW - Drinking Water
OT - Other

Remarks: Wetchem: ALLALK, ALLCHLORIDE, ALLNITRATE, ALLPH, ALLSULFATE

Relinquished by: (Signature)

Samples returned via:

UPS FedEx Courier

Tracking #

Received by: (Signature)

Date: 7-7-25

Time: 1:30

Received for lab by: (Signature)

Date: 7-7-25

Time: 1:40

Received by: (Signature)

Date: 7-7-25

Time: 1:40

Received for lab by: (Signature)

Date: 7-7-25

Time: 1:40

Received by: (Signature)

Date: 7-7-25

Time: 1:40

Received for lab by: (Signature)

Date: 7-7-25

Time: 1:40

Received by: (Signature)

Date: 7-7-25

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Received for lab by: (Signature)

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Time: 1:40

Received for lab by: (Signature)

Date: 7-7-25

Time: 1:40

Received by: (Signature)

Date: 7

Company Name/Address:
City of Bonham

**2501 Seven Oaks Road
Bonham, TX 75418**

Billing Information:

**Lance Capehart
514 Chestnut
Bonham, TX 75418**

Pres
Chk.

Analysis / Container / Preservation

Chain of Custody

Page

23

Report to:

Michael Seacat 903-583-4033

Email To: mseacat@cityofbonham.org

Project Description:

Permit Renewal

City/State
Collected:

Please Circle:
PT MT CT ET

Regulatory Program(DD,RCRA,DW,etc):

Client Project #

Lab Project #

PT MT CT ET

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Immediately
Packed on Ice N ___ Y ___

Same Day ___ Five Day ___
Next Day ___ 5 Day (Rad Only) ___
Three Day ___ 10 Day (Rad Only) ___
STD TAT

Date Results Needed

No.
of
Cntrs

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

Cntrs

OUT Fall 001

Comp

GW

7-8-25

06:00

33

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

ALLSUB614-SPL 1L-Amb NoPres

ALLSUB615-SPL 1L-Amb-No Pres

ALLSUB617-SPL 1L-Amb-No Pres

ALLSUB622-SPL 1L-Amb-No Pres

ALLSUB632-SPL 1L-Amb-No Pres

ALLSUBD7065-SPL 1L-Amb-No Pres

ALLTDS 1L-HDPE NoPres

ALLTSS 1L-HDPE-NoPres

CRG,HG- PAN 250mlHDPE-HNO3

OGHEX-PAN 1L-Clr-WT-HCl

Allen, T.
400 W. Bathing Drive Suite 110 Allen, TX 75013
Submitting a sample via this chain of custody
constitutes acknowledgment and acceptance of the
Terms and Conditions found at:
<https://info.pace-labs.com/industry-standard-terms.pdf>

SDG # 1876410

Table #

Actnum: DSCOFBMBTX

Template: 12/5510

Prelogin: P1158730

Pin: 3565 - Dorothy P. Roberts

Pin: 613135

Shipped Via: FedEx/Gr/ind

Remarks Sample # (lab or v)

* Matrix:

SS - Soil AIR - Air F - Filter

GW - Groundwater B - Bioassay

DW - Drinking Water

OT - Other

Remarks: Wetchem: ALALK,ALCHLORIDE,ALLNITRATE,ALPH,ALUSULFATE

Samples returned via:
UPS FedEx Courier

Date:

Time:

Received by (Signature)

Tracking #

Received for lab by (Signature)

Date:

Time:

Temp: °C

Bottles Received:

HCL/Meth

Y/N

Flow

Other

Temp

Sample Receipt Checklist

COG Seal Present/Intact: Y/N

COG Signed/Accurate: Y/N

Bottles arrive intact: Y/N

Corrected bottles used: Y/N

Shipment volume sent: Y/N

Y/N Zero Headspace: Y/N

Preservation Correct/Checked: Y/N

Relinquished by: (Signature)

Relinquished by: (Signature)

Relinquished by: (Signature)

Relinquished by: (Signature)

Relinquished by: (Signature)

Company Name/Address:
City of Bonham

**2501 Seven Oaks Road
Bonham, TX 75418**

Billing Information:

**Lance Capehart
514 Chestnut
Bonham, TX 75418**

Report to:

Michael Seacat 903-583-4033

Email To: mseacat@cityofbonham.org

Project Description:

Permit Renewal

City/State
Collected:

Please Circle:
PT MT CT ET

Regulatory Program(DOD, RCRA, DW, etc):

Client Project #

Lab Project #

DSCOFBMBTX-PERMIT4.0

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Immediately
Packed on Ice N ___ Y ___

Same Day ___ Five Day ___
Next Day ___ 5 Day (Rad Only) ___
Two Day ___ 10 Day (Rad Only) ___
Three Day ___ STD TAT ___

Date Results Needed

No. of Cnts

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

001 Fall 001

Comp

GW

7-7-25

01:00

33

SUB1613-PaceMN 1L-Amb-NoPres

SUB624.1-SPL 40mlAmb-HCl

SUB625.1-SPL 1L-Amb-No Pres

SUBPCB1668-PaceMN 1L-Amb NoPres

Wet Chem** 500mlHDPE-NoPres

Analytic / Container / Preservation

Chain of Custody

Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

ALLEN, TX

400 W. Baskin Drive Suite 100 Allen, TX 75013
Submitting a sample via this chain of custody
constitutes acknowledgment and acceptance of the
Pace Terms and Conditions found at:
<https://info.pacestx.com/hubd/pjs-standards-terms.pdf>

SDG #

1870410

Table #

1870410

Accession: DSCOF3MBT

Template: IZ75510

Prelabel: P1158730

PM: 3565 - Doro, P.R.

PG: **BT 6/13/25**

Shipped Via: **Fedex Ground**

Remarks

Sample # (lab only)

* Matrix:

SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks: Wetchem: ALALK, ALCHLORIDE, ALNITRATE, ALPH, ALESULFATE

Relinquished by: (Signature)

Michael Seacat

Date: **7-7-25**

Time: **1:30**

Received by: (Signature)

Pace

Trip Blank Received: Yes / No

HCL / MeOH

Sample Receipt Checklist
COC Seal Present/Intact: ☒ Y ☐ N
COC Signed/Accurate: ☒ Y ☐ N
Bottles arrive intact: ☒ Y ☐ N
Correct bottles used: ☒ Y ☐ N
Sufficient volume sent: ☒ Y ☐ N
If Applicable:
VQA Zero Headspace: ☒ Y ☐ N
Preservation Correct/Checked: ☒ Y ☐ N
Rad Screen <0.5 mR/hr: ☒ Y ☐ N

Relinquished by: (Signature)

Michael Seacat

Date: **7-7-25**

Time: **4:40**

Received for lab by: (Signature)

Pace

Date: **7-7-25**

Temp: **10°C**

Condition: **NGP / OK**

	Document Name: Sample Condition Upon Receipt	Document Revised: 7/27/20 Page 1 of 1
	Document No.: F-DAL-C-001-rev.14	Issuing Authority: Pace Dallas Quality Office

Sample Condition Upon Receipt

☒ Dallas ☐ Ft Worth ☐ Corpus Christi ☐ Austin

Client Name: City of Bonham Project Work order (place label):

Courier: FedEx ☐ UPS ☐ USPS ☐ Client ☐ LSO ☐ PACE ☐ Other: _____

Tracking #: _____

Custody Seal on Cooler/Box: Yes ☐ No ☐

Received on ice: Wet ☐ Blue ☐ No ice ☐

Receiving Lab 1 Thermometer Used: IR 21 Cooler Temp °C: 3.9 (Recorded) 0.1 (Correction Factor) 4.0 (Actual)

Receiving Lab 2 Thermometer Used: _____ Cooler Temp °C: _____ (Recorded) _____ (Correction Factor) _____ (Actual)

Temperature should be above freezing to 6°C unless collected same day as receipt in which evidence of cooling is acceptable

Triage Person: Tim G Date: 7/8/20
zpc 2/1

Chain of Custody relinquished	Yes ☒ No ☐
Sampler name & signature on COC	Yes ☒ No ☐
Short HT analyses (<72 hrs)	Yes ☒ No ☐

Login Person: _____ Date: _____

Sufficient Volume received	Yes ☒ No ☐
Correct Container used	Yes ☒ No ☐
Container Intact	Yes ☐ No ☐
Sample pH Acceptable pH Strips: <u>6402007</u>	Yes ☒ No ☐ NA ☐
Residual Chlorine Present Cl Strips: <u>14-682</u>	Yes ☐ No ☒ NA ☐
Sulfide Present Lead Acetate Strips: <u>90744</u>	Yes ☐ No ☒ NA ☐
Are soil samples (volatiles, TPH) received in 5035A Kits (not applicable to TCLP VOA or PST Program TPH)	Yes ☐ No ☐ NA ☒
Unpreserved 5035A soil frozen within 48 hrs	Yes ☐ No ☐ NA ☐
Headspace in VOA (>6mm)	Yes ☐ No ☐ NA ☐ <u>VOA containers empty</u>
Project sampled in USDA Regulated Area outside of Texas State Sampled: _____	Yes ☐ No ☐ NA ☒
Non-Conformance(s):	Yes ☐ No ☒

Labeling Person (if different than log-in): _____ Date: _____



Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Report Prepared for:

Client Services
Pace Analytical National
12065 Lebanon Rd
Mt. Juliet TN 37122

**REPORT OF
LABORATORY
ANALYSIS FOR
PCDD/PCDF**

Report Information:

Pace Project #: 10741704
Sample Receipt Date: 07/09/2025
Client Project #: L1876410 WG2555544
Client Sub PO #: L1876410
State Cert #: T104704192

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCDD/PCDF Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Tong Lee, your Pace Project Manager.

This report has been reviewed by:

August 06, 2025

Tong Lee, Project Manager

(612) 607-6444 (fax)
tong.lee@pacelabs.com



Report of Laboratory Analysis

This report should not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

The results relate only to the samples included in this report.

Report Prepared Date:

July 25, 2025



Pace Analytical Services, LLC.

1700 Elm Street

Minneapolis, MN 55414

Phone: 612.607.1700

Fax: 612.607.6444

DISCUSSION

This report presents the results from the analysis performed on one sample submitted by a representative of Pace Analytical National. The sample was analyzed for the presence or absence of polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using USEPA Method 1613B. The reporting limits were set to correspond to the lowest calibration points and were adjusted for sample extraction amount. Estimated maximum possible concentration (EMPC) values were treated as positives in the toxic equivalence calculations.

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extract ranged from 79-127%. All of the labeled standard recoveries obtained for this project were within the target ranges specified in Method 1613B. Also, since the quantification of the native 2,3,7,8-substituted congeners was based on isotope dilution, the data were automatically corrected for recovery and accurate values were obtained.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show the blank to be free of PCDDs and PCDFs at the reporting limits.

Laboratory spike samples were also prepared using clean reference matrix that had been fortified with native standard materials. The results show that the spiked native compounds were recovered at 87-124% with relative percent differences of 0.0-12.6%. These results were within the target ranges for the method. Matrix spikes were not prepared with the extraction batch.

REPORT OF LABORATORY ANALYSIS

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Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Missouri	10100
Alabama	40770	Montana	CERT0092
Alaska-DW	MN00064	Nebraska	NE-OS-18-06
Alaska-UST	17-009	Nevada	MN00064
Arizona	AZ0014	New Hampshire	2081
Arkansas - WW	88-0680	New Jersey	MN002
Arkansas-DW	MN00064	New York	11647
California	2929	North Carolina-DW	27700
Colorado	MN00064	North Carolina-WW	530
Connecticut	PH-0256	North Dakota	R-036
Florida	E87605	Ohio-DW	41244
Georgia	959	Ohio-VAP (1700)	CL101
Idaho	MN00064	Ohio-VAP (1800)	CL110
Illinois	200011	Oklahoma	9507
Indiana	C-MN-01	Oregon-Primary	MN300001
Iowa	368	Oregon-Secondary	MN200001
Kansas	E-10167	Pennsylvania	68-00563
Kentucky-DW	90062	Puerto Rico	MN00064
Kentucky-WW	90062	South Carolina	74003
Louisiana-DEQ	AI-84596	Tennessee	TN02818
Louisiana-DW	MN00064	Texas	T104704192
Maine	MN00064	Utah	MN00064
Maryland	322	Vermont	VT-027053137
Michigan	9909	Virginia	460163
Minnesota	027-053-137	Washington	C486
Minnesota-Ag	via MN 027-053-137	West Virginia-DEP	382
Minnesota-Petrofund	1240	West Virginia-DW	9952C
Mississippi	MN00064	Wisconsin	999407970
		Wyoming-UST	via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Appendix A

Sample Management

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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Sub-Contract Chain of Custody

Batch Date/Time: 07/08/25 16:57
Sub-Contract Lab: PACEMN
Address: 1700 Elm Street Suite 200
 SE
City/State: Minneapolis, MN 55414
Contact: Tong.Lee@pacelabs.com
Owner Lab: PACEATX
Address: 400 W. Bethany Drive
 Suite 190
City/State: Allen, TX 75013
Phone: (972) 727-1123
Fax:

WO: WG2555544
Email: Dallas_Sub@pacelabs.com
Results Due Date: 07/23/25
ESC Purchase Order #: L1876410
Send Reports to: Angela Ford



400 W. Bethany Drive Suite 190
 Allen, TX 75013
 Phone: (972) 727-1123

Sample ID Container ID	Matrix	State	Collect Date	Description	Method	Sample Number Lab Use Only	Sample Comments Lab Use Only
OUTFALL 001 1L-Amb NoPres - S52341773 1L-Amb-NoPres - S52341749 1L-Amb-NoPres - S52341750	GW	TX	07/08/25 06:00	Dioxins and Furans 1613	1613	1. L1876410-01	Level II / No EDD/ TX cert
OUTFALL 001 1L-Amb NoPres - S52341754 1L-Amb NoPres - S52341755 1L-Amb NoPres - S52341773*	GW	TX	07/08/25 06:00	PCB by 1668		2. L1876410-01	Level II / No EDD/ TX cert

*= Container used for multiple Samples and/or Analyses

Relinquished by:

K. W. Pace

Date

7/8/25

1700

Received by:

FEDEX

Date

7/8/25

Relinquished by:

Date

Received by:

Diana Jacques-Jane

Date

7/9/25 0945

001
↓

WO#: 10741704



10741704

ENV-FRM-MIN4-0150 v19 Sample Condition Upon Receipt

Person Examining & Date: LOJ 7/9/25

PROJECT #:

WO#: **10741704**

PM: TKL

Due Date: 08/06/25

CLIENT: PASI-TN

Client Name: Pace National

Custody Seal Present: ☐ YES ☒ NO

Seals Intact: ☐ YES ☒ NO

Tracking Number: 4593 8829 7865

Courier: ☐ Client

☐ Commercial

☒ FedEx

☐ Pace Courier/Field

☐ Speedee

☐ UPS

☐ USPS

Packing Material: ☐ Bubble Bags

☐ Bubble Wrap

☐ None

☐ Other: _____

Biological Tissue Frozen: ☐ YES ☒ NO

Thermometer: ☐ T1 (0461)

☐ T2 (0431)

☒ T3 (0459)

☐ T4 (0402)

Type of Ice: ☐ Blue

☐ Dry

☒ Wet

☐ Melted

☐ None

☐ T5 (0187)

☐ T6 (0396)

☐ T7 (0377)

☐ T8 (0775)

☐ T9 (0428)

☐ 01339252 (0710)

Temp Blank: ☒ YES ☐ NO

NOTE: Temp should be $\leq 6^{\circ}\text{C}$, but above freezing.

Read Temp w/Temp Blank: 2.3 $^{\circ}\text{C}$

Correction Factor: 0.5

Corrected Temp w/Temp Blank: 1.8 $^{\circ}\text{C}$

Did Samples Originate in West Virginia: ☐ YES ☒ NO (list temps on exception)

Were All Container Temps Taken: ☐ YES ☐ NO ☒ N/A

Average Corrected Temp (No Temp Blank Only): _____

☐ See Exceptions form ENV-FRM-MIN4-0142.

☐ 1 Container

USDA Regulated Soil: ☒ N/A - Water Sample/Other (describe): _____

Did Samples originate from one of the following states (check maps): ☐ YES ☐ NO

Circle State: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, VA

Are samples from a foreign source (international, including Hawaii

and Puerto Rico): ☐ YES ☐ NO

NOTE: If YES to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

LOCATION (check one): ☐ DULUTH ☒ MINNEAPOLIS ☐ VIRGINIA	YES	NO	N/A	COMMENT(S)
Chain of Custody Present and Filled Out? (i.e., Analysis/ID/Date/Time)	☒	☐	☐	1.
Chain of Custody Relinquished?	☒	☐	☐	2.
Sampler Name and/or Signature on COC?	☐	☐	☒	3.
Samples Arrived within Hold Time?	☒	☐	☐	4.
If Fecal: ☐ <8 hrs ☐ >8 hr but <24 hr ☐ >24 hr	☐	☒	☐	5. ☐ BOD / cBOD ☐ Fecal coliform ☐ Hex Chrom ☐ HPC ☐ Nitrate ☐ Nitrite ☐ Ortho Phos ☐ Total coliform/E. coli ☐ Turbidity ☐ Other: _____
Rush Turn Around Time Requested?	☐	☒	☐	6. ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 Day Due Date: _____
Sufficient Sample Volume? (If NO, list approximate volume in section 7.)	☒	☐	☐	7.
Correct Containers Used?	☒	☐	☐	8.
- Pace Containers Used?	☒	☐	☐	9.
Containers Intact?	☒	☐	☐	10.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☒	11. Is sediment visible in the dissolved container: ☐ YES ☐ NO
ID/Date/Time Match? (If NO, fill out section 11.)	☒	☐	☐	12. ☐ See Exceptions form ENV-FRM-MIN4-0142
Matrix: ☐ Oil ☐ Soil ☒ Water ☐ Other	☐	☐	☒	
All containers needing acid/base preservation have been checked?	☐	☐	☒	
Sample #:				
☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ Zinc Acetate				
pH Paper Lot #:				
☐ Residual Chlorine ☐ 0-6 Roll ☐ 0-6 Strip ☐ 0-14 Strip				
Preserved containers in compliance with EPA recommendations? (HNO3, H2SO4, < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide)	☐	☐	☒	Positive for Residual Chlorine (NaOH containers only): ☐ YES ☐ NO
EXCEPTIONS (water only): VOA, Coliform, TOC/DOC, Oil & Grease, Phenols, DRO/8015, Dioxins, and PFAS	☐	☐	☒	☐ See Exceptions form ENV-FRM-MIN4-0142
Extra labels present on soil VOA or WIDRO containers? (soil only)	☐	☐	☒	13.
Headspace in Methyl Mercury Container?	☐	☐	☒	14.
Headspace in VOA Vials (greater than 6mm)?	☐	☐	☒	☐ See Exceptions form ENV-FRM-MIN4-0140
Trip Blanks Present?	☐	☐	☒	15.
Trip Blank Custody Seals Present?	☐	☐	☒	Pace Trip Blank Lot # (if purchased): _____

CLIENT NOTIFICATION / RESOLUTION:

Labeled By: LOJ

Line: 3

Person Contacted & Date/Time: _____

PM Review & Date: 7/10/25

NOTE: When there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQ Certification Office.

Qualtrax ID: 52742

Effective Date: 03/04/25

Page 1 of 1

Pace® Analytical Services, LLC (PAS)

Report No.: 10741704_1613BFC_L2_dfr

Page 6 of 13



Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Reporting Flags

- A = Reporting Limit based on signal to noise (EDL)
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds calibration range
- H2 = Extracted outside of holding time
- I = Isotope ratio out of specification
- J = Estimated value
- L = Suppressive interference, analyte may be biased low
- Nn = Value obtained from additional analysis
- P = PCDE Interference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Appendix B

Sample Analysis Summary

REPORT OF LABORATORY ANALYSIS

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Method 1613B Sample Analysis Results

Client - Pace Analytical National

Client's Sample ID	OUTFALL 001		
Lab Sample ID	10741704001		
Filename	F250724B_12		
Injected By	SMT		
Total Amount Extracted	994 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	07/08/2025 06:00
ICAL ID	F250409	Received	07/09/2025 09:45
CCal Filename(s)	F250724B_01	Extracted	07/11/2025 12:41
Method Blank ID	BLANK-120111	Analyzed	07/24/2025 17:32

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	10	2,3,7,8-TCDF-13C	2.00	118
Total TCDF	ND	—	10	2,3,7,8-TCDD-13C	2.00	96
				1,2,3,7,8-PeCDF-13C	2.00	105
2,3,7,8-TCDD	ND	—	10	2,3,4,7,8-PeCDF-13C	2.00	113
Total TCDD	ND	—	10	1,2,3,7,8-PeCDD-13C	2.00	103
				1,2,3,4,7,8-HxCDF-13C	2.00	127
1,2,3,7,8-PeCDF	ND	—	50	1,2,3,6,7,8-HxCDF-13C	2.00	118
2,3,4,7,8-PeCDF	ND	—	50	2,3,4,6,7,8-HxCDF-13C	2.00	119
Total PeCDF	ND	—	50	1,2,3,7,8,9-HxCDF-13C	2.00	113
				1,2,3,4,7,8-HxCDD-13C	2.00	95
1,2,3,7,8-PeCDD	ND	—	50	1,2,3,6,7,8-HxCDD-13C	2.00	104
Total PeCDD	ND	—	50	1,2,3,4,6,7,8-HpCDF-13C	2.00	90
				1,2,3,4,7,8,9-HpCDF-13C	2.00	96
1,2,3,4,7,8-HxCDF	ND	—	50	1,2,3,4,6,7,8-HpCDD-13C	2.00	79
1,2,3,6,7,8-HxCDF	ND	—	50	OCDD-13C	4.00	88
2,3,4,6,7,8-HxCDF	ND	—	50			
1,2,3,7,8,9-HxCDF	ND	—	50	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	—	50	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	—	50	2,3,7,8-TCDD-37Cl4	0.20	101
1,2,3,6,7,8-HxCDD	ND	—	50			
1,2,3,7,8,9-HxCDD	ND	—	50			
Total HxCDD	ND	—	50			
1,2,3,4,6,7,8-HpCDF	ND	—	50	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	50	Equivalence: 0.00 pg/L		
Total HpCDF	ND	—	50	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	—	50			
Total HpCDD	ND	—	50			
OCDF	ND	—	100			
OCDD	ND	—	100			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKFD	Matrix	Water
Lab Sample ID	BLANK-120111	Dilution	NA
Filename	F250716A_16	Extracted	07/11/2025 12:41
Total Amount Extracted	970 mL	Analyzed	07/16/2025 18:31
ICAL ID	F250409	Injected By	JF
CCal Filename(s)	F250716A_03		

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	10	2,3,7,8-TCDF-13C	2.00	96
Total TCDF	ND	—	10	2,3,7,8-TCDD-13C	2.00	82
				1,2,3,7,8-PeCDF-13C	2.00	91
2,3,7,8-TCDD	ND	—	10	2,3,4,7,8-PeCDF-13C	2.00	99
Total TCDD	ND	—	10	1,2,3,7,8-PeCDD-13C	2.00	96
				1,2,3,4,7,8-HxCDF-13C	2.00	91
1,2,3,7,8-PeCDF	ND	—	52	1,2,3,6,7,8-HxCDF-13C	2.00	87
2,3,4,7,8-PeCDF	ND	—	52	2,3,4,6,7,8-HxCDF-13C	2.00	93
Total PeCDF	ND	—	52	1,2,3,7,8,9-HxCDF-13C	2.00	93
				1,2,3,4,7,8-HxCDD-13C	2.00	86
1,2,3,7,8-PeCDD	ND	—	52	1,2,3,6,7,8-HxCDD-13C	2.00	86
Total PeCDD	ND	—	52	1,2,3,4,6,7,8-HpCDF-13C	2.00	85
				1,2,3,4,7,8,9-HpCDF-13C	2.00	98
1,2,3,4,7,8-HxCDF	ND	—	52	1,2,3,4,6,7,8-HpCDD-13C	2.00	82
1,2,3,6,7,8-HxCDF	ND	—	52	OCDD-13C	4.00	73
2,3,4,6,7,8-HxCDF	ND	—	52			
1,2,3,7,8,9-HxCDF	ND	—	52	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	—	52	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	—	52	2,3,7,8-TCDD-37Cl4	0.20	99
1,2,3,6,7,8-HxCDD	ND	—	52			
1,2,3,7,8,9-HxCDD	ND	—	52			
Total HxCDD	ND	—	52			
1,2,3,4,6,7,8-HpCDF	ND	—	52	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	52	Equivalence: 0.00 pg/L		
Total HpCDF	ND	—	52	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	—	52			
Total HpCDD	ND	—	52			
OCDF	ND	—	100			
OCDD	ND	—	100			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

REPORT OF LABORATORY ANALYSIS

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Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCS-120112	Matrix	Water
Filename	F250716B_01	Dilution	NA
Total Amount Extracted	963 mL	Extracted	07/11/2025 12:41
ICAL ID	F250409	Analyzed	07/16/2025 21:19
CCal Filename	F250716A_03	Injected By	JF
Method Blank ID	BLANK-120111		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	12	7.5	15.8	118
2,3,7,8-TCDD	10	11	6.7	15.8	110
1,2,3,7,8-PeCDF	50	59	40.0	67.0	117
2,3,4,7,8-PeCDF	50	54	34.0	80.0	107
1,2,3,7,8-PeCDD	50	43	35.0	71.0	87
1,2,3,4,7,8-HxCDF	50	55	36.0	67.0	110
1,2,3,6,7,8-HxCDF	50	57	42.0	65.0	113
2,3,4,6,7,8-HxCDF	50	54	35.0	78.0	108
1,2,3,7,8,9-HxCDF	50	56	39.0	65.0	113
1,2,3,4,7,8-HxCDD	50	57	35.0	82.0	113
1,2,3,6,7,8-HxCDD	50	47	38.0	67.0	94
1,2,3,7,8,9-HxCDD	50	47	32.0	81.0	95
1,2,3,4,6,7,8-HpCDF	50	52	41.0	61.0	105
1,2,3,4,7,8,9-HpCDF	50	46	39.0	69.0	92
1,2,3,4,6,7,8-HpCDD	50	51	35.0	70.0	101
OCDF	100	120	63.0	170.0	121
OCDD	100	110	78.0	144.0	109
2,3,7,8-TCDD-37Cl4	10	9.9	3.1	19.1	99
2,3,7,8-TCDF-13C	100	88	22.0	152.0	88
2,3,7,8-TCDD-13C	100	86	20.0	175.0	86
1,2,3,7,8-PeCDF-13C	100	87	21.0	192.0	87
2,3,4,7,8-PeCDF-13C	100	94	13.0	328.0	94
1,2,3,7,8-PeCDD-13C	100	100	21.0	227.0	101
1,2,3,4,7,8-HxCDF-13C	100	89	19.0	202.0	89
1,2,3,6,7,8-HxCDF-13C	100	83	21.0	159.0	83
2,3,4,6,7,8-HxCDF-13C	100	86	22.0	176.0	86
1,2,3,7,8,9-HxCDF-13C	100	88	17.0	205.0	88
1,2,3,4,7,8-HxCDD-13C	100	82	21.0	193.0	82
1,2,3,6,7,8-HxCDD-13C	100	92	25.0	163.0	92
1,2,3,4,6,7,8-HpCDF-13C	100	87	21.0	158.0	87
1,2,3,4,7,8,9-HpCDF-13C	100	98	20.0	186.0	98
1,2,3,4,6,7,8-HpCDD-13C	100	89	26.0	166.0	89
OCDD-13C	200	170	26.0	397.0	85

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
R = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

REPORT OF LABORATORY ANALYSIS

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Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCSD-120113	Matrix	Water
Filename	L250719A_04	Dilution	NA
Total Amount Extracted	957 mL	Extracted	07/11/2025 12:41
ICAL ID	L250710	Analyzed	07/19/2025 13:21
CCal Filename	L250719A_02	Injected By	JRH
Method Blank ID	BLANK-120111		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	10	7.5	15.8	104
2,3,7,8-TCDD	10	12	6.7	15.8	116
1,2,3,7,8-PeCDF	50	55	40.0	67.0	110
2,3,4,7,8-PeCDF	50	51	34.0	80.0	102
1,2,3,7,8-PeCDD	50	49	35.0	71.0	97
1,2,3,4,7,8-HxCDF	50	50	36.0	67.0	99
1,2,3,6,7,8-HxCDF	50	52	42.0	65.0	104
2,3,4,6,7,8-HxCDF	50	53	35.0	78.0	105
1,2,3,7,8,9-HxCDF	50	51	39.0	65.0	102
1,2,3,4,7,8-HxCDD	50	59	35.0	82.0	118
1,2,3,6,7,8-HxCDD	50	50	38.0	67.0	100
1,2,3,7,8,9-HxCDD	50	54	32.0	81.0	107
1,2,3,4,6,7,8-HpCDF	50	53	41.0	61.0	105
1,2,3,4,7,8,9-HpCDF	50	48	39.0	69.0	96
1,2,3,4,6,7,8-HpCDD	50	50	35.0	70.0	100
OCDF	100	120	63.0	170.0	124
OCDD	100	120	78.0	144.0	119
2,3,7,8-TCDD-37Cl4	10	9.0	3.1	19.1	90
2,3,7,8-TCDF-13C	100	93	22.0	152.0	93
2,3,7,8-TCDD-13C	100	76	20.0	175.0	76
1,2,3,7,8-PeCDF-13C	100	97	21.0	192.0	97
2,3,4,7,8-PeCDF-13C	100	100	13.0	328.0	103
1,2,3,7,8-PeCDD-13C	100	100	21.0	227.0	101
1,2,3,4,7,8-HxCDF-13C	100	95	19.0	202.0	95
1,2,3,6,7,8-HxCDF-13C	100	81	21.0	159.0	81
2,3,4,6,7,8-HxCDF-13C	100	93	22.0	176.0	93
1,2,3,7,8,9-HxCDF-13C	100	91	17.0	205.0	91
1,2,3,4,7,8-HxCDD-13C	100	72	21.0	193.0	72
1,2,3,6,7,8-HxCDD-13C	100	89	25.0	163.0	89
1,2,3,4,6,7,8-HpCDF-13C	100	71	21.0	158.0	71
1,2,3,4,7,8,9-HpCDF-13C	100	78	20.0	186.0	78
1,2,3,4,6,7,8-HpCDD-13C	100	70	26.0	166.0	70
OCDD-13C	200	130	26.0	397.0	63

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
R = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

REPORT OF LABORATORY ANALYSIS

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Method 1613B

Spike Recovery Relative Percent Difference (RPD) Results

Client Pace Analytical National

Spike 1 ID LCS-120112 Spike 2 ID LCSD-120113
Spike 1 Filename F250716B_01 Spike 2 Filename L250719A_04

Compound	Spike 1 %REC	Spike 2 %REC	%RPD
2,3,7,8-TCDF	118	104	12.6
2,3,7,8-TCDD	110	116	5.3
1,2,3,7,8-PeCDF	117	110	6.2
2,3,4,7,8-PeCDF	107	102	4.8
1,2,3,7,8-PeCDD	87	97	10.9
1,2,3,4,7,8-HxCDF	110	99	10.5
1,2,3,6,7,8-HxCDF	113	104	8.3
2,3,4,6,7,8-HxCDF	108	105	2.8
1,2,3,7,8,9-HxCDF	113	102	10.2
1,2,3,4,7,8-HxCDD	113	118	4.3
1,2,3,6,7,8-HxCDD	94	100	6.2
1,2,3,7,8,9-HxCDD	95	107	11.9
1,2,3,4,6,7,8-HpCDF	105	105	0.0
1,2,3,4,7,8,9-HpCDF	92	96	4.3
1,2,3,4,6,7,8-HpCDD	101	100	1.0
OCDF	121	124	2.4
OCDD	109	119	8.8

%REC = Percent Recovered

RPD = The difference between the two values divided by the mean value

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Report Prepared for:

Client Services
Pace Analytical National
12065 Lebanon Rd
Mt. Juliet TN 37122

REPORT OF LABORATORY ANALYSIS FOR PCBs

Report Information:

Pace Project #: 10741704
Sample Receipt Date: 07/09/2025
Client Project #: L1876410 WG2555544
Client Sub PO #: L1876410
State Cert #: T104704192

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCB Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Tong Lee, your Pace Project Manager.

This report has been reviewed by:

August 06, 2025

Tong Lee, Project Manager

(612) 607-6444 (fax)
tong.lee@pacelabs.com



Report of Laboratory Analysis

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The results relate only to the samples included in this report.

Report Prepared Date:

August 6, 2025



Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

DISCUSSION

This report presents the results from the analyses performed on one sample submitted by a representative of Pace Analytical National. The sample was analyzed for the presence or absence of polychlorinated biphenyl (PCB) congeners using USEPA Method 1668C. Reporting limits were set to the statistical method detection limits, where supported by the estimated detection limits, and were further adjusted for the amount of sample extracted. Congeners reported to the signal to noise based estimated detection limits were flagged "A". Quantitation limits were also provided on the results tables.

With one exception, flagged "R", the internal standard recoveries obtained for this project were within the target ranges specified for this method. Since the quantification of the native PCB congeners was based on internal standard and isotope dilution methodology, the data were automatically corrected for variation in recovery and accurate values were obtained. The spike was re-analyzed due to an interference to a labeled standard. Values taken from the secondary analysis were flagged "N2".

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show the blank to be free of PCB congeners to the MDLs.

Laboratory spike samples were also prepared with the sample set using reference material that had been fortified with native standards. The results show that the spiked native compounds in the laboratory spikes were recovered between 85-132%, with relative percent differences of 0.2-11.2%. Matrix spikes were not prepared with this sample set.

REPORT OF LABORATORY ANALYSIS

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Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Missouri	10100
Alabama	40770	Montana	CERT0092
Alaska-DW	MN00064	Nebraska	NE-OS-18-06
Alaska-UST	17-009	Nevada	MN00064
Arizona	AZ0014	New Hampshire	2081
Arkansas - WW	88-0680	New Jersey	MN002
Arkansas-DW	MN00064	New York	11647
California	2929	North Carolina-DW	27700
Colorado	MN00064	North Carolina-WW	530
Connecticut	PH-0256	North Dakota	R-036
Florida	E87605	Ohio-DW	41244
Georgia	959	Ohio-VAP (1700)	CL101
Idaho	MN00064	Ohio-VAP (1800)	CL110
Illinois	200011	Oklahoma	9507
Indiana	C-MN-01	Oregon-Primary	MN300001
Iowa	368	Oregon-Secondary	MN200001
Kansas	E-10167	Pennsylvania	68-00563
Kentucky-DW	90062	Puerto Rico	MN00064
Kentucky-WW	90062	South Carolina	74003
Louisiana-DEQ	AI-84596	Tennessee	TN02818
Louisiana-DW	MN00064	Texas	T104704192
Maine	MN00064	Utah	MN00064
Maryland	322	Vermont	VT-027053137
Michigan	9909	Virginia	460163
Minnesota	027-053-137	Washington	C486
Minnesota-Ag	via MN 027-053-137	West Virginia-DEP	382
Minnesota-Petrofund	1240	West Virginia-DW	9952C
Mississippi	MN00064	Wisconsin	999407970
		Wyoming-UST	via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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Appendix A

Sample Management

REPORT OF LABORATORY ANALYSIS

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Sub-Contract Chain of Custody

Batch Date/Time: 07/08/25 16:57
Sub-Contract Lab: PACEMN
Address: 1700 Elm Street Suite 200
 SE
City/State: Minneapolis, MN 55414
Contact: Tong.Lee@pacelabs.com
Owner Lab: PACEATX
Address: 400 W. Bethany Drive
 Suite 190
City/State: Allen, TX 75013
Phone: (972) 727-1123
Fax:

WO: WG2555544
Email: Dallas_Sub@pacelabs.com
Results Due Date: 07/23/25
ESC Purchase Order #: L1876410
Send Reports to: Angela Ford


 400 W. Bethany Drive Suite 190
 Allen, TX 75013
 Phone: (972) 727-1123

Sample ID Container ID	Matrix	State	Collect Date	Description	Method	Sample Number Lab Use Only	Sample Comments Lab Use Only
OUTFALL 001 1L-Amb NoPres - S52341773 1L-Amb-NoPres - S52341749 1L-Amb-NoPres - S52341750	GW	TX	07/08/25 06:00	Dioxins and Furans 1613	1613	1. L1876410-01	Level II / No EDD/ TX cert
OUTFALL 001 1L-Amb NoPres - S52341754 1L-Amb NoPres - S52341755 1L-Amb NoPres - S52341773*	GW	TX	07/08/25 06:00	PCB by 1668		2. L1876410-01	Level II / No EDD/ TX cert

*= Container used for multiple Samples and/or Analyses

Relinquished by: K. W. Pace Date: 7/8/25 1700
 Received by: FELIX Date: 7/8/25
 Relinquished by: _____ Date: _____
 Received by: Shawn Jacques Jara Date: 7/9/25 0945

001

↓

WO#: 10741704



10741704

ENV-FRM-MIN4-0150 v19_Sample Condition Upon Receipt

Person Examining & Date: LOJ 7/9/25

PROJECT #:

WO#: 10741704

PM TKL

Due Date: 08/06/25

CLIENT: PASI-TN

Client Name: Pace National

Custody Seal Present: ☐ YES ☒ NO

Seals Intact: ☐ YES ☒ NO

Tracking Number: 4593 8829 7865

☐ See Exceptions form ENV-FRM-MIN4-0142.

Courier: ☐ Client ☐ Commercial ☒ FedEx

☐ Pace Courier/Field

☐ Speedee

☐ UPS

☐ USPS

Packing Material: ☐ Bubble Bags

☐ Bubble Wrap

☐ None

☐ Other: _____

Biological Tissue Frozen: ☐ YES ☒ NO

Thermometer: ☐ T1 (0461)

☐ T2 (0431)

☒ T3 (0459)

☐ T4 (0402)

Type of Ice: ☐ Blue

☐ Dry

☒ Wet

☐ Melted

☐ None

☐ T5 (0187)

☐ T6 (0396)

☐ T7 (0377)

☐ T8 (0775)

☐ T9 (0428)

☐ 01339252 (0710)

Temp Blank: ☒ YES ☐ NO

NOTE: Temp should be $\leq 6^{\circ}\text{C}$, but above freezing.

Read Temp w/Temp Blank: 2.3 $^{\circ}\text{C}$

Correction Factor: 0.5

Corrected Temp w/Temp Blank: 1.8 $^{\circ}\text{C}$

Did Samples Originate in West Virginia: ☐ YES ☒ NO (list temps on exception)

Were All Container Temps Taken: ☐ YES ☐ NO ☒ N/A

Average Corrected Temp (No Temp Blank Only): _____

☐ See Exceptions form ENV-FRM-MIN4-0142.

☐ 1 Container

USDA Regulated Soil: ☒ N/A (Water Sample/Other (describe): _____)

Did Samples originate from one of the following states (check maps): ☐ YES ☐ NO

Circle State: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, VA

Are samples from a foreign source (international, including Hawaii and Puerto Rico): ☐ YES ☐ NO

NOTE: If YES to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

LOCATION (check one): ☐ DULUTH ☒ MINNEAPOLIS ☐ VIRGINIA	YES	NO	N/A	COMMENT(S)
Chain of Custody Present and Filled Out? (i.e., Analysis/ID/Date/Time)	☒	☐	☐	1.
Chain of Custody Relinquished?	☒	☐	☐	2.
Sampler Name and/or Signature on COC?	☐	☐	☒	3.
Samples Arrived within Hold Time?	☒	☐	☐	4.
If Fecal: ☐ <8 hrs ☐ >8 hr but <24 hr ☐ >24 hr	☐	☒	☐	5. ☐ BOD / cBOD ☐ Fecal coliform ☐ Hex Chrom ☐ HPC ☐ Nitrate ☐ Nitrite ☐ Ortho Phos ☐ Total coliform/E. coli ☐ Turbidity ☐ Other: _____
Short Hold Time Analysis (<72 hr)?	☐	☒	☐	6. ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 Day Due Date: _____
Rush Turn Around Time Requested?	☐	☒	☐	7.
Sufficient Sample Volume? (if NO, list approximate volume in section 7.)	☒	☐	☐	8.
Correct Containers Used?	☒	☐	☐	9.
– Pace Containers Used?	☒	☐	☐	10.
Containers Intact?	☒	☐	☐	11. Is sediment visible in the dissolved container: ☐ YES ☐ NO
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☒	12. ☐ See Exceptions form ENV-FRM-MIN4-0142
ID/Date/Time Match? (if NO, fill out section 11.)	☒	☐	☐	
Matrix: ☐ Oil ☐ Soil ☒ Water ☐ Other				
All containers needing acid/base preservation have been checked?	☐	☐	☒	
Sample #:				
☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ Zinc Acetate				
pH Paper Lot #:				
☐ Residual Chlorine ☐ 0-6 Roll ☐ 0-6 Strip ☐ 0-14 Strip				
Preserved containers in compliance with EPA recommendations? (HNO3, H2SO4, < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide)	☐	☐	☒	☐ See Exceptions form ENV-FRM-MIN4-0142
EXCEPTIONS (water only): VOA, Coliform, TOC/DOC, Oil & Grease, Phenols, DRO/8015, Dioxins, and PFAS	☐	☐	☒	
Extra labels present on soil VOA or WIDRO containers? (soil only)	☐	☐	☒	13.
Headspace in Methyl Mercury Container?	☐	☐	☒	14.
Headspace in VOA Vials (greater than 6mm)?	☐	☐	☒	☐ See Exceptions form ENV-FRM-MIN4-0140
Trip Blanks Present?	☐	☐	☒	15.
Trip Blank Custody Seals Present?	☐	☐	☒	Pace Trip Blank Lot # (if purchased): _____

CLIENT NOTIFICATION / RESOLUTION:

Labeled By: LOJ

Line: 3

Person Contacted & Date/Time: _____

PM Review & Date: 7/10/25

NOTE: When there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQ Certification Office.

Qualtrax ID: 52742

Effective Date: 03/04/25

Page 1 of 1

Pace® Analytical Services, LLC (PAS)

Report No.: 10741704_1668C_L2_dfr

Page 6 of 25



Pace Analytical Services, LLC
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Reporting Flags

- A = Reporting Limit based on signal to noise (EDL)
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds calibration range
- H2 = Extracted outside of holding time
- I = Isotope ratio out of specification
- J = Estimated value
- L = Suppressive interference, analyte may be biased low
- Nn = Value obtained from additional analysis
- P = PCDE Interference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

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Appendix B

Sample Analysis Summary

REPORT OF LABORATORY ANALYSIS

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CB Congener Labeled Analyte Summary

Method 1668C

Pace Analytical Services, LLC

1700 Elm Street

Minneapolis, MN 55414

Phone: 612.607.1700

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www.pacelabs.com

Page 1 of 7

Client Sample ID: **OUTFALL 001**

Lab Sample ID: 10741704001

Lab File ID: Y250802A_10

Matrix: Water

Percent Solids: N/A

Date Collected: 07/08/2025 06:00

Date Received: 07/09/2025 09:45

Date Extracted: 07/14/2025 12:00

Date Analyzed: 08/02/2025 19:43

Method Blank ID: BLANK-120132

Lab Spike ID(s): LCS-120133/LCSD-120134

Prep. Technique: Liquid/Liq

Total Amount Extracted: 1050mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 294096-05

lcal ID: Y250802A03

CCal File(s): Y250802A_02

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	10.35	3.15	2.00	0.687	34	
1	PCB-003L	13.19	3.13	2.00	0.807	40	
2	PCB-004L	13.49	1.56	2.00	0.872	44	
2	PCB-015L	20.60	1.57	2.00	0.999	50	
3	PCB-019L	17.32	1.03	2.00	0.835	42	
3	PCB-037L	28.36	1.05	2.00	1.24	62	
4	PCB-054L	20.92	0.78	2.00	0.826	41	
4	PCB-077L	36.04	0.81	2.00	1.39	69	
4	PCB-081L	35.46	0.78	2.00	1.52	76	
5	PCB-104L	27.02	1.56	2.00	0.967	48	
5	PCB-105L	39.64	1.61	2.00	1.52	76	
5	PCB-114L	38.98	1.60	2.00	1.55	78	
5	PCB-118L	38.43	1.57	2.00	1.55	77	
5	PCB-123L	38.09	1.55	2.00	1.57	78	
5	PCB-126L	42.81	1.59	2.00	1.14	57	
6	PCB-155L	33.06	1.25	2.00	1.50	75	
6	PCB-156/157L	45.86	1.28	4.00	3.23	81	
6	PCB-167L	44.69	1.27	2.00	1.70	85	
6	PCB-169L	49.15	1.27	2.00	1.15	58	
7	PCB-188L	38.95	1.07	2.00	3.06	153 *	R
7	PCB-189L	51.71	1.10	2.00	2.14	107	
8	PCB-202L	44.42	0.88	2.00	2.60	130	
8	PCB-205L	54.30	0.92	2.00	1.75	87	
9	PCB-206L	56.02	0.82	2.00	1.43	71	
9	PCB-208L	51.20	0.79	2.00	2.04	102	
10	PCB-209L	57.64	0.72	2.00	1.47	74	
Recovery Standards							
2	PCB-009L	15.95	1.57	2.00	2.56	N/A	
4	PCB-052L	25.98	0.77	2.00	2.74	N/A	
5	PCB-101L	33.28	1.58	2.00	2.60	N/A	
6	PCB-138L	41.62	1.27	2.00	2.14	N/A	
8	PCB-194L	53.80	0.93	2.00	1.32	N/A	
Cleanup Standards							
3	PCB-028L	24.00	1.04	2.00	1.69	84	
5	PCB-111L	36.06	1.55	2.00	1.51	76	
7	PCB-178L	42.07	1.04	2.00	1.87	93	

REPORT OF LABORATORY ANALYSIS

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Sample Analysis Summary

Method 1668C

Page 2 of 7

Client Sample ID: **OUTFALL 001**
 Lab Sample ID: 10741704001
 Lab File ID: Y250802A_10
 Matrix: Water
 Percent Solids: N/A
 Date Collected: 07/08/2025 06:00
 Date Received: 07/09/2025 09:45
 Date Extracted: 07/14/2025 12:00
 Date Analyzed: 08/02/2025 19:43
 Method Blank ID: BLANK-120132
 Lab Spike ID(s): LCS-120133/LCSD-120

Prep. Technique: Liquid/Liq
 Total Amount Extracted: 1050mL
 Dry Weight Extracted: N/A
 Extract Volume: 20 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: JRH
 Instrument ID: 10MSHR12 (Y)
 GC Column ID: 294096-05
 Ical ID: Y250802A03
 CCal File(s): Y250802A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
1	PCB-001			ND		0.0380	0.0101	
1	PCB-002			ND		0.0380	0.00722	
1	PCB-003			ND		0.0380	0.0128	
2	PCB-004			ND	A	0.0380	0.0169	
2	PCB-005			ND	A	0.0380	0.0115	
2	PCB-006			ND	A	0.0380	0.0104	
2	PCB-007			ND	A	0.0380	0.0102	
2	PCB-008			ND		0.0380	0.0167	
2	PCB-009			ND	A	0.0380	0.0112	
2	PCB-010			ND	A	0.0380	0.0105	
2	PCB-011			ND		0.372	0.146	
2	PCB-012/013			ND	A	0.0760	0.0101	
2	PCB-014			ND	A	0.0380	0.0108	
2	PCB-015			ND	A	0.0502	0.0109	
3	PCB-016			ND		0.0380	0.00931	
3	PCB-017			ND		0.0380	0.00874	
3	PCB-018/030			ND		0.0760	0.0190	
3	PCB-019			ND		0.0380	0.00752	
3	PCB-020/028			ND		0.196	0.0283	
3	PCB-021/033			ND		0.205	0.0285	
3	PCB-022			ND		0.144	0.0228	
3	PCB-023			ND		0.0380	0.00418	
3	PCB-024			ND		0.0380	0.00538	
3	PCB-025			ND		0.0380	0.00580	
3	PCB-026/029			ND		0.0760	0.00939	
3	PCB-027			ND		0.0380	0.00600	
3	PCB-031			ND		0.198	0.0384	
3	PCB-032			ND		0.0380	0.00608	
3	PCB-034			ND		0.0380	0.00580	
3	PCB-035			ND		0.0380	0.00532	
3	PCB-036			ND		0.0380	0.00528	
3	PCB-037			ND		0.0806	0.0115	
3	PCB-038			ND		0.0380	0.00532	
3	PCB-039			ND		0.0380	0.00483	

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Sample Analysis Summary

Method 1668C

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Client Sample ID: **OUTFALL 001**

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Lab File ID: Y250802A_10

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Date Analyzed: 08/02/2025 19:43

Method Blank ID: BLANK-120132

Lab Spike ID(s): LCS-120133/LCSD-120

Prep. Technique: Liquid/Liq

Total Amount Extracted: 1050mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 294096-05

Ical ID: Y250802A03

CCal File(s): Y250802A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
4	PCB-040/041/071			ND		0.114	0.0205	
4	PCB-042			ND		0.0380	0.00718	
4	PCB-043/073			ND		0.0760	0.0127	
4	PCB-044/047/065			ND		0.114	0.0238	
4	PCB-045/051			ND		0.0760	0.0112	
4	PCB-046			ND		0.0380	0.00581	
4	PCB-048			ND		0.0380	0.00669	
4	PCB-069/049			ND		0.0760	0.0173	
4	PCB-050/053			ND		0.0760	0.0103	
4	PCB-052			ND		0.196	0.0532	
4	PCB-054			ND		0.0380	0.00730	
4	PCB-055			ND		0.0380	0.00608	
4	PCB-056			ND		0.0380	0.00798	
4	PCB-057			ND		0.0380	0.00519	
4	PCB-058			ND		0.0380	0.00722	
4	PCB-059/062/075			ND		0.114	0.0169	
4	PCB-060			ND		0.0380	0.00602	
4	PCB-061/070/074/076			ND		0.152	0.0323	
4	PCB-063			ND		0.0380	0.00564	
4	PCB-064			ND		0.0380	0.00912	
4	PCB-066			ND		0.0897	0.0144	
4	PCB-067			ND		0.0380	0.00504	
4	PCB-068			ND		0.0380	0.00509	
4	PCB-072			ND		0.0380	0.00479	
4	PCB-077			ND		0.0380	0.00517	
4	PCB-078			ND		0.0380	0.00602	
4	PCB-079			ND		0.0380	0.00589	
4	PCB-080			ND		0.0380	0.00532	
4	PCB-081			ND		0.0380	0.00475	
5	PCB-082			ND		0.0380	0.00857	
5	PCB-083			ND		0.0380	0.00865	
5	PCB-084			ND		0.0380	0.00969	
5	PCB-085/116/117			ND		0.114	0.0211	
5	PCB-086/087/097/108/119/12			ND		0.228	0.0467	

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Sample Analysis Summary

Method 1668C

Page 4 of 7

Client Sample ID: **OUTFALL 001**
 Lab Sample ID: 10741704001
 Lab File ID: Y250802A_10
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 Percent Solids: N/A
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 Date Analyzed: 08/02/2025 19:43
 Method Blank ID: BLANK-120132
 Lab Spike ID(s): LCS-120133/LCSD-120

Prep. Technique: Liquid/Liq
 Total Amount Extracted: 1050mL
 Dry Weight Extracted: N/A
 Extract Volume: 20 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: JRH
 Instrument ID: 10MSHR12 (Y)
 GC Column ID: 294096-05
 Ical ID: Y250802A03
 CCal File(s): Y250802A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
5	PCB-088/091			ND		0.0760	0.0156	
5	PCB-089			ND		0.0380	0.00684	
5	PCB-090/101/113			ND		0.114	0.0380	
5	PCB-092			ND		0.0380	0.00798	
5	PCB-093/098/100/102			ND		0.152	0.0298	
5	PCB-094			ND		0.0380	0.00701	
5	PCB-095			ND		0.106	0.0346	
5	PCB-096			ND		0.0380	0.00836	
5	PCB-099			ND		0.0380	0.0143	
5	PCB-103			ND		0.0380	0.00800	
5	PCB-104			ND		0.0380	0.00912	
5	PCB-105			ND		0.0380	0.00692	
5	PCB-106			ND		0.0380	0.00561	
5	PCB-107/124			ND		0.0760	0.0101	
5	PCB-109			ND		0.0380	0.00477	
5	PCB-110/115			ND		0.0760	0.0285	
5	PCB-111			ND		0.0380	0.00694	
5	PCB-112			ND		0.0380	0.00819	
5	PCB-114			ND		0.0380	0.00483	
5	PCB-118			ND		0.0593	0.0141	
5	PCB-120			ND		0.0380	0.00861	
5	PCB-121			ND		0.0380	0.00705	
5	PCB-122			ND		0.0380	0.00608	
5	PCB-123			ND		0.0380	0.00602	
5	PCB-126			ND		0.0380	0.00610	
5	PCB-127			ND		0.0380	0.00409	
6	PCB-128/166			ND		0.0760	0.0121	
6	PCB-129/138/163			ND		0.114	0.0211	
6	PCB-130			ND		0.0380	0.00699	
6	PCB-131			ND		0.0380	0.00695	
6	PCB-132			ND		0.0380	0.00857	
6	PCB-133			ND		0.0380	0.00714	
6	PCB-134/143			ND		0.0760	0.0137	
6	PCB-135/151			ND		0.0760	0.0188	

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Method 1668C

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Client Sample ID: **OUTFALL 001**

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Lab Spike ID(s): LCS-120133/LCSD-120

Prep. Technique: Liquid/Liq

Total Amount Extracted: 1050mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 294096-05

lcal ID: Y250802A03

CCal File(s): Y250802A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
6	PCB-136			ND		0.0380	0.0102	
6	PCB-137			ND		0.0380	0.00764	
6	PCB-139/140			ND		0.0760	0.0109	
6	PCB-141			ND		0.0380	0.00893	
6	PCB-142			ND		0.0380	0.00557	
6	PCB-144			ND		0.0380	0.0102	
6	PCB-145			ND		0.0380	0.00842	
6	PCB-146			ND		0.0380	0.00703	
6	PCB-147/149			ND		0.0760	0.0224	
6	PCB-148			ND		0.0380	0.00855	
6	PCB-150			ND		0.0380	0.00813	
6	PCB-152			ND		0.0380	0.00840	
6	PCB-153/168			ND		0.0760	0.0203	
6	PCB-154			ND		0.0380	0.00785	
6	PCB-155			ND		0.0380	0.0100	
6	PCB-156/157			ND		0.0760	0.0101	
6	PCB-158			ND		0.0380	0.00589	
6	PCB-159			ND		0.0380	0.00583	
6	PCB-160			ND		0.0380	0.00553	
6	PCB-161			ND		0.0380	0.00722	
6	PCB-162			ND		0.0380	0.00585	
6	PCB-164			ND		0.0380	0.00608	
6	PCB-165			ND		0.0380	0.00591	
6	PCB-167			ND		0.0380	0.00562	
6	PCB-169			ND		0.0380	0.00559	
7	PCB-170			ND		0.0380	0.00798	
7	PCB-171/173			ND		0.0760	0.0124	
7	PCB-172			ND		0.0380	0.00762	
7	PCB-174			ND		0.0380	0.00927	
7	PCB-175			ND		0.0380	0.00747	
7	PCB-176			ND		0.0380	0.00806	
7	PCB-177			ND		0.0380	0.00770	
7	PCB-178			ND		0.0380	0.00910	
7	PCB-179			ND		0.0380	0.00832	

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Method 1668C

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Prep. Technique: Liquid/Liq
 Total Amount Extracted: 1050mL
 Dry Weight Extracted: N/A
 Extract Volume: 20 uL
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 Injection Volume: 1 uL
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 GC Column ID: 294096-05
 Ical ID: Y250802A03
 CCal File(s): Y250802A_02

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
7	PCB-180/193			ND		0.0760	0.0147	
7	PCB-181			ND		0.0380	0.00692	
7	PCB-182			ND		0.0380	0.00781	
7	PCB-183/185			ND		0.0760	0.0134	
7	PCB-184			ND		0.0380	0.00796	
7	PCB-186			ND		0.0380	0.00809	
7	PCB-187			ND		0.0380	0.0123	
7	PCB-188			ND		0.0380	0.00722	
7	PCB-189			ND		0.0380	0.00733	
7	PCB-190			ND		0.0380	0.00667	
7	PCB-191			ND		0.0380	0.00625	
7	PCB-192			ND		0.0380	0.00733	
8	PCB-194			ND		0.0380	0.00709	
8	PCB-195			ND		0.0380	0.00656	
8	PCB-196			ND		0.0380	0.00823	
8	PCB-197/200			ND		0.0760	0.0157	
8	PCB-198/199			ND		0.0760	0.0119	
8	PCB-201			ND		0.0380	0.00760	
8	PCB-202			ND		0.0380	0.00728	
8	PCB-203			ND		0.0380	0.00657	
8	PCB-204			ND		0.0380	0.00597	
8	PCB-205			ND		0.0380	0.00709	
9	PCB-206			ND		0.0380	0.0116	
9	PCB-207			ND		0.0380	0.00891	
9	PCB-208			ND		0.0380	0.00760	
10	PCB-209			ND		0.0380	0.0119	

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CB Congener Totals Summary
Method 1668C

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Page 7 of 7

Client Sample ID: **OUTFALL 001**

Lab Sample ID: 10741704001

Lab File ID: Y250802A_10

Matrix: Water

Percent Solids: N/A

Date Collected: 07/08/2025 06:00

Date Received: 07/09/2025 09:45

Date Extracted: 07/14/2025 12:00

Date Analyzed: 08/02/2025 19:43

Method Blank ID: BLANK-120132

Lab Spike ID(s): LCS-120133/LCSD-120

Prep. Technique: Liquid/Liq

Total Amount Extracted: 1050mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: JRH

Instrument ID: 10MSHR12 (Y)

GC Column ID: 294096-05

Ical ID: Y250802A03

CCal File(s): Y250802A_02

Homologue	Concentration (ng/L)	Q
Total MoCB	ND	
Total DiCB	ND	
Total TrCB	ND	
Total TeCB	ND	
Total PeCB	ND	
Total HxCB	ND	
Total HpCB	ND	
Total OcCB	ND	
Total NoCB	ND	
DeCB	ND	
Total PCBs	ND	

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CB Congener Labeled Analyte Summary

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Page 1 of 7

Client Sample ID: **CBLKFL**

Lab Sample ID: BLANK-120132

Lab File ID: Y250801B_06

Matrix: Water

Percent Solids: N/A

Date Collected: 07/14/2025 07:45

Date Received: 07/14/2025 07:45

Date Extracted: 07/14/2025 12:00

Date Analyzed: 08/02/2025 00:29

Prep. Technique: Liquid/Liq

Total Amount Extracted: 1000mL

Dry Weight Extracted: N/A

Extract Volume: 20 uL

Dilution Factor: 1.0

Injection Volume: 1 uL

Injected By: AH5

Instrument ID: 10MSHR12 (Y)

GC Column ID: 294096-05

Ical ID: Y250801B02

CCal File(s): Y250801B_01

CL No.	Labeled Congener	RT	IAR #	Spiked (ng)	Found (ng)	%Rec. #	Q
Internal Standards							
1	PCB-001L	10.31	3.06	2.00	0.815	41	
1	PCB-003L	13.14	3.17	2.00	0.985	49	
2	PCB-004L	13.44	1.58	2.00	1.02	51	
2	PCB-015L	20.55	1.57	2.00	1.26	63	
3	PCB-019L	17.27	1.03	2.00	0.963	48	
3	PCB-037L	28.29	1.07	2.00	1.39	70	
4	PCB-054L	20.88	0.77	2.00	0.963	48	
4	PCB-077L	35.98	0.78	2.00	1.48	74	
4	PCB-081L	35.41	0.79	2.00	1.63	81	
5	PCB-104L	26.97	1.59	2.00	1.13	57	
5	PCB-105L	39.59	1.61	2.00	1.49	74	
5	PCB-114L	38.93	1.59	2.00	1.59	79	
5	PCB-118L	38.38	1.57	2.00	1.51	76	
5	PCB-123L	38.03	1.57	2.00	1.50	75	
5	PCB-126L	42.74	1.60	2.00	1.25	62	
6	PCB-155L	33.01	1.25	2.00	1.51	75	
6	PCB-156/157L	45.81	1.26	4.00	3.16	79	
6	PCB-167L	44.62	1.27	2.00	1.65	83	
6	PCB-169L	49.10	1.27	2.00	1.24	62	
7	PCB-188L	38.90	1.04	2.00	2.47	124	
7	PCB-189L	51.63	1.08	2.00	1.95	98	
8	PCB-202L	44.37	0.90	2.00	2.18	109	
8	PCB-205L	54.24	0.92	2.00	1.71	85	
9	PCB-206L	55.98	0.80	2.00	1.45	72	
9	PCB-208L	51.13	0.78	2.00	1.87	94	
10	PCB-209L	57.60	0.72	2.00	1.52	76	
Recovery Standards							
2	PCB-009L	15.92	1.58	2.00	2.35	N/A	
4	PCB-052L	25.93	0.78	2.00	2.57	N/A	
5	PCB-101L	33.23	1.59	2.00	2.57	N/A	
6	PCB-138L	41.55	1.25	2.00	2.26	N/A	
8	PCB-194L	53.74	0.91	2.00	1.66	N/A	
Cleanup Standards							
3	PCB-028L	23.95	1.03	2.00	1.52	76	
5	PCB-111L	36.01	1.55	2.00	1.44	72	
7	PCB-178L	42.00	1.07	2.00	1.77	89	

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Method Blank Analysis Summary

Method 1668C

Page 2 of 7

Client Sample ID: **CBLKFL**
 Lab Sample ID: BLANK-120132
 Lab File ID: Y250801B_06
 Matrix: Water
 Percent Solids: N/A
 Date Collected: 07/14/2025 07:45
 Date Received: 07/14/2025 07:45
 Date Extracted: 07/14/2025 12:00
 Date Analyzed: 08/02/2025 00:29

Prep. Technique: Liquid/Liq
 Total Amount Extracted: 1000mL
 Dry Weight Extracted: N/A
 Extract Volume: 20 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: AH5
 Instrument ID: 10MSHR12 (Y)
 GC Column ID: 294096-05
 Ical ID: Y250801B02
 CCal File(s): Y250801B_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
1	PCB-001			ND		0.0400	0.0106	
1	PCB-002			ND		0.0400	0.00760	
1	PCB-003			ND		0.0400	0.0134	
2	PCB-004			ND		0.0400	0.0124	
2	PCB-005			ND		0.0400	0.00966	
2	PCB-006			ND	A	0.0400	0.00903	
2	PCB-007			ND	A	0.0400	0.00866	
2	PCB-008			ND		0.0400	0.0176	
2	PCB-009			ND	A	0.0400	0.00939	
2	PCB-010			ND		0.0400	0.00646	
2	PCB-011			ND		0.392	0.154	
2	PCB-012/013			ND		0.0800	0.00960	
2	PCB-014			ND	A	0.0400	0.00918	
2	PCB-015			ND		0.0528	0.0104	
3	PCB-016			ND		0.0400	0.00980	
3	PCB-017			ND		0.0400	0.00920	
3	PCB-018/030			ND		0.0800	0.0200	
3	PCB-019			ND		0.0400	0.00792	
3	PCB-020/028			ND		0.206	0.0298	
3	PCB-021/033			ND		0.216	0.0300	
3	PCB-022			ND		0.152	0.0240	
3	PCB-023			ND		0.0400	0.00440	
3	PCB-024			ND		0.0400	0.00566	
3	PCB-025			ND		0.0400	0.00610	
3	PCB-026/029			ND		0.0800	0.00988	
3	PCB-027			ND		0.0400	0.00632	
3	PCB-031			ND		0.208	0.0404	
3	PCB-032			ND		0.0400	0.00640	
3	PCB-034			ND		0.0400	0.00610	
3	PCB-035			ND		0.0400	0.00560	
3	PCB-036			ND		0.0400	0.00556	
3	PCB-037			ND		0.0848	0.0121	
3	PCB-038			ND		0.0400	0.00560	
3	PCB-039			ND		0.0400	0.00508	

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Method Blank Analysis Summary

Method 1668C

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Client Sample ID: **CBLKFL**
 Lab Sample ID: BLANK-120132
 Lab File ID: Y250801B_06
 Matrix: Water
 Percent Solids: N/A
 Date Collected: 07/14/2025 07:45
 Date Received: 07/14/2025 07:45
 Date Extracted: 07/14/2025 12:00
 Date Analyzed: 08/02/2025 00:29

Prep. Technique: Liquid/Liq
 Total Amount Extracted: 1000mL
 Dry Weight Extracted: N/A
 Extract Volume: 20 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: AH5
 Instrument ID: 10MSHR12 (Y)
 GC Column ID: 294096-05
 Ical ID: Y250801B02
 CCal File(s): Y250801B_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
4	PCB-040/041/071			ND		0.120	0.0216	
4	PCB-042			ND		0.0400	0.00756	
4	PCB-043/073			ND		0.0800	0.0133	
4	PCB-044/047/065			ND		0.120	0.0250	
4	PCB-045/051			ND		0.0800	0.0118	
4	PCB-046			ND		0.0400	0.00612	
4	PCB-048			ND		0.0400	0.00704	
4	PCB-069/049			ND		0.0800	0.0182	
4	PCB-050/053			ND		0.0800	0.0109	
4	PCB-052			ND		0.206	0.0560	
4	PCB-054			ND		0.0400	0.00768	
4	PCB-055			ND		0.0400	0.00640	
4	PCB-056			ND		0.0400	0.00840	
4	PCB-057			ND		0.0400	0.00546	
4	PCB-058			ND		0.0400	0.00760	
4	PCB-059/062/075			ND		0.120	0.0177	
4	PCB-060			ND		0.0400	0.00634	
4	PCB-061/070/074/076			ND		0.160	0.0340	
4	PCB-063			ND		0.0400	0.00594	
4	PCB-064			ND		0.0400	0.00960	
4	PCB-066			ND		0.0944	0.0152	
4	PCB-067			ND		0.0400	0.00530	
4	PCB-068			ND		0.0400	0.00536	
4	PCB-072			ND		0.0400	0.00504	
4	PCB-077			ND		0.0400	0.00544	
4	PCB-078			ND		0.0400	0.00634	
4	PCB-079			ND		0.0400	0.00620	
4	PCB-080			ND		0.0400	0.00560	
4	PCB-081			ND		0.0400	0.00500	
5	PCB-082			ND		0.0400	0.00902	
5	PCB-083			ND		0.0400	0.00910	
5	PCB-084			ND		0.0400	0.0102	
5	PCB-085/116/117			ND		0.120	0.0222	
5	PCB-086/087/097/108/119/12			ND		0.240	0.0492	

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Method Blank Analysis Summary

Method 1668C

Page 4 of 7

Client Sample ID: **CBLKFL**
 Lab Sample ID: BLANK-120132
 Lab File ID: Y250801B_06
 Matrix: Water
 Percent Solids: N/A
 Date Collected: 07/14/2025 07:45
 Date Received: 07/14/2025 07:45
 Date Extracted: 07/14/2025 12:00
 Date Analyzed: 08/02/2025 00:29

Prep. Technique: Liquid/Liq
 Total Amount Extracted: 1000mL
 Dry Weight Extracted: N/A
 Extract Volume: 20 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: AH5
 Instrument ID: 10MSHR12 (Y)
 GC Column ID: 294096-05
 Ical ID: Y250801B02
 CCal File(s): Y250801B_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
5	PCB-088/091			ND		0.0800	0.0164	
5	PCB-089			ND		0.0400	0.00720	
5	PCB-090/101/113			ND		0.120	0.0400	
5	PCB-092			ND		0.0400	0.00840	
5	PCB-093/098/100/102			ND		0.160	0.0314	
5	PCB-094			ND		0.0400	0.00738	
5	PCB-095			ND		0.112	0.0364	
5	PCB-096			ND		0.0400	0.00880	
5	PCB-099			ND		0.0400	0.0150	
5	PCB-103			ND		0.0400	0.00842	
5	PCB-104			ND		0.0400	0.00960	
5	PCB-105			ND		0.0400	0.00728	
5	PCB-106			ND		0.0400	0.00590	
5	PCB-107/124			ND		0.0800	0.0106	
5	PCB-109			ND		0.0400	0.00502	
5	PCB-110/115			ND		0.0800	0.0300	
5	PCB-111			ND		0.0400	0.00730	
5	PCB-112			ND		0.0400	0.00862	
5	PCB-114			ND		0.0400	0.00508	
5	PCB-118			ND		0.0624	0.0148	
5	PCB-120			ND		0.0400	0.00906	
5	PCB-121			ND		0.0400	0.00742	
5	PCB-122			ND		0.0400	0.00640	
5	PCB-123			ND		0.0400	0.00634	
5	PCB-126			ND		0.0400	0.00642	
5	PCB-127			ND		0.0400	0.00430	
6	PCB-128/166			ND		0.0800	0.0127	
6	PCB-129/138/163			ND		0.120	0.0222	
6	PCB-130			ND		0.0400	0.00736	
6	PCB-131			ND		0.0400	0.00732	
6	PCB-132			ND		0.0400	0.00902	
6	PCB-133			ND		0.0400	0.00752	
6	PCB-134/143			ND		0.0800	0.0144	
6	PCB-135/151			ND		0.0800	0.0198	

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Method Blank Analysis Summary

Method 1668C

Page 5 of 7

Client Sample ID: **CBLKFL**
 Lab Sample ID: BLANK-120132
 Lab File ID: Y250801B_06
 Matrix: Water
 Percent Solids: N/A
 Date Collected: 07/14/2025 07:45
 Date Received: 07/14/2025 07:45
 Date Extracted: 07/14/2025 12:00
 Date Analyzed: 08/02/2025 00:29

Prep. Technique: Liquid/Liq
 Total Amount Extracted: 1000mL
 Dry Weight Extracted: N/A
 Extract Volume: 20 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: AH5
 Instrument ID: 10MSHR12 (Y)
 GC Column ID: 294096-05
 Ical ID: Y250801B02
 CCal File(s): Y250801B_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
6	PCB-136			ND		0.0400	0.0108	
6	PCB-137			ND		0.0400	0.00804	
6	PCB-139/140			ND		0.0800	0.0115	
6	PCB-141			ND		0.0400	0.00940	
6	PCB-142			ND		0.0400	0.00586	
6	PCB-144			ND		0.0400	0.0107	
6	PCB-145			ND		0.0400	0.00886	
6	PCB-146			ND		0.0400	0.00740	
6	PCB-147/149			ND		0.0800	0.0236	
6	PCB-148			ND		0.0400	0.00900	
6	PCB-150			ND		0.0400	0.00856	
6	PCB-152			ND		0.0400	0.00884	
6	PCB-153/168			ND		0.0800	0.0214	
6	PCB-154			ND		0.0400	0.00826	
6	PCB-155			ND		0.0400	0.0106	
6	PCB-156/157			ND		0.0800	0.0107	
6	PCB-158			ND		0.0400	0.00620	
6	PCB-159			ND		0.0400	0.00614	
6	PCB-160			ND		0.0400	0.00582	
6	PCB-161			ND		0.0400	0.00760	
6	PCB-162			ND		0.0400	0.00616	
6	PCB-164			ND		0.0400	0.00640	
6	PCB-165			ND		0.0400	0.00622	
6	PCB-167			ND		0.0400	0.00592	
6	PCB-169			ND		0.0400	0.00588	
7	PCB-170			ND		0.0400	0.00840	
7	PCB-171/173			ND		0.0800	0.0131	
7	PCB-172			ND		0.0400	0.00802	
7	PCB-174			ND		0.0400	0.00976	
7	PCB-175			ND		0.0400	0.00786	
7	PCB-176			ND		0.0400	0.00848	
7	PCB-177			ND		0.0400	0.00810	
7	PCB-178			ND		0.0400	0.00958	
7	PCB-179			ND		0.0400	0.00876	

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Method Blank Analysis Summary

Method 1668C

Page 6 of 7

Client Sample ID: **CBLKFL**
 Lab Sample ID: BLANK-120132
 Lab File ID: Y250801B_06
 Matrix: Water
 Percent Solids: N/A
 Date Collected: 07/14/2025 07:45
 Date Received: 07/14/2025 07:45
 Date Extracted: 07/14/2025 12:00
 Date Analyzed: 08/02/2025 00:29

Prep. Technique: Liquid/Liq
 Total Amount Extracted: 1000mL
 Dry Weight Extracted: N/A
 Extract Volume: 20 uL
 Dilution Factor: 1.0
 Injection Volume: 1 uL
 Injected By: AH5
 Instrument ID: 10MSHR12 (Y)
 GC Column ID: 294096-05
 Ical ID: Y250801B02
 CCal File(s): Y250801B_01

CL No.	Target Analyte	RT	IAR #	Concentration (ng/L)	Q	CRQL (ng/L)	MDL (ng/L)	EMPC (ng/L)
7	PCB-180/193			ND		0.0800	0.0154	
7	PCB-181			ND		0.0400	0.00728	
7	PCB-182			ND		0.0400	0.00822	
7	PCB-183/185			ND		0.0800	0.0141	
7	PCB-184			ND		0.0400	0.00838	
7	PCB-186			ND		0.0400	0.00852	
7	PCB-187			ND		0.0400	0.0129	
7	PCB-188			ND		0.0400	0.00760	
7	PCB-189			ND		0.0400	0.00772	
7	PCB-190			ND		0.0400	0.00702	
7	PCB-191			ND		0.0400	0.00658	
7	PCB-192			ND		0.0400	0.00772	
8	PCB-194			ND		0.0400	0.00746	
8	PCB-195			ND		0.0400	0.00690	
8	PCB-196			ND		0.0400	0.00866	
8	PCB-197/200			ND		0.0800	0.0166	
8	PCB-198/199			ND		0.0800	0.0125	
8	PCB-201			ND		0.0400	0.00800	
8	PCB-202			ND		0.0400	0.00766	
8	PCB-203			ND		0.0400	0.00692	
8	PCB-204			ND		0.0400	0.00628	
8	PCB-205			ND		0.0400	0.00746	
9	PCB-206			ND		0.0400	0.0122	
9	PCB-207			ND		0.0400	0.00938	
9	PCB-208			ND		0.0400	0.00800	
10	PCB-209			ND		0.0400	0.0125	

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CB Congener Totals Summary
Method 1668C

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Page 7 of 7

Client Sample ID: **CBLKFL**
Lab Sample ID: BLANK-120132
Lab File ID: Y250801B_06
Matrix: Water
Percent Solids: N/A
Date Collected: 07/14/2025 07:45
Date Received: 07/14/2025 07:45
Date Extracted: 07/14/2025 12:00
Date Analyzed: 08/02/2025 00:29

Prep. Technique: Liquid/Liq
Total Amount Extracted: 1000mL
Dry Weight Extracted: N/A
Extract Volume: 20 uL
Dilution Factor: 1.0
Injection Volume: 1 uL
Injected By: AH5
Instrument ID: 10MSHR12 (Y)
GC Column ID: 294096-05
Ical ID: Y250801B02
CCal File(s): Y250801B_01

Homologue	Concentration (ng/L)	Q
Total MoCB	ND	
Total DiCB	ND	
Total TrCB	ND	
Total TeCB	ND	
Total PeCB	ND	
Total HxCB	ND	
Total HpCB	ND	
Total OcCB	ND	
Total NoCB	ND	
DeCB	ND	
Total PCBs	ND	

REPORT OF LABORATORY ANALYSIS

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LCS Analysis Summary

Method 1668C

Lab Sample ID LCS-120133
 Matrix Water
 Run File Name Y250801A_11
 Amount Extracted 1000mL
 Date Extracted 07/14/2025 12:00
 Date Analyzed 08/01/2025 16:28

Injected By AH5
 Instrument ID 10MSHR12 (Y)
 Column ID 294096-05
 Ical ID Y250801A02
 CCal ID Y250801A_01
 Method Blank ID BLANK-120132

CI No	Analyte	Native Analytes				Labeled Analytes			
		Spiked (ng)	Found (ng)	% Recovery	Q	Spiked (ng)	Found (ng)	% Recovery	Q
1	PCB-001	1.00	1.32	132		2.00	0.883	44	
1	PCB-003	1.00	1.30	130		2.00	1.02	51	
2	PCB-004	1.00	1.02	102		2.00	1.07	54	
2	PCB-015	1.00	1.22	122		2.00	1.29	65	
3	PCB-019	1.00	1.10	110		2.00	1.04	52	
3	PCB-037	1.00	1.11	111		2.00	1.40	70	
4	PCB-054	1.00	1.10	110		2.00	1.02	51	
4	PCB-077	1.00	1.04	104		2.00	1.42	71	
4	PCB-081	1.00	0.972	97		2.00	1.56	78	
5	PCB-104	1.00	1.02	102		2.00	1.18	59	
5	PCB-105	1.00	1.06	106		2.00	1.44	72	
5	PCB-114	1.00	1.03	103		2.00	1.50	75	
5	PCB-118	1.00	1.01	101		2.00	1.51	75	
5	PCB-123	1.00	1.04	104		2.00	1.50	75	
5	PCB-126	1.00	1.03	103		2.00	1.09	54	
6	PCB-155	1.00	1.03	103		2.00	1.70	85	
6	PCB-156/157	2.00	2.02	101		4.00	3.08	77	
6	PCB-167	1.00	1.00	100		2.00	1.64	82	
6	PCB-169	1.00	0.989	99		2.00	1.11	56	
7	PCB-188	1.00	0.953	95		2.00	2.86	143	
7	PCB-189	1.00	1.02	102		2.00	2.01	100	
8	PCB-202	1.00	0.952	95		2.00	2.40	120	
8	PCB-205	1.00	0.945	94		2.00	1.64	82	
9	PCB-206	1.00	0.932	93		2.00	1.36	68	
9	PCB-208	1.00	0.983	98		2.00	1.84	92	
10	PCB-209	1.00	0.848	85		2.00	1.40	70	

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LCS Analysis Summary
Method 1668C

Lab Sample ID LCSD-120134
Matrix Water
Run File Name Y250801A_12
Amount Extracted 1000mL
Date Extracted 07/14/2025 12:00
Date Analyzed 08/01/2025 17:28

Injected By AH5
Instrument ID 10MSHR12 (Y)
Column ID 294096-05
Ical ID Y250801A02
CCal ID Y250801A_01
Method Blank ID BLANK-120132

CI No	Analyte	Native Analytes				Labeled Analytes			
		Spiked (ng)	Found (ng)	% Recovery	Q	Spiked (ng)	Found (ng)	% Recovery	Q
1	PCB-001	1.00	1.21	121		2.00	0.962	48	
1	PCB-003	1.00	1.20	120		2.00	1.11	56	
2	PCB-004	1.00	0.948	95		2.00	1.17	59	
2	PCB-015	1.00	1.14	114		2.00	1.37	69	
3	PCB-019	1.00	1.04	104		2.00	1.16	58	
3	PCB-037	1.00	1.06	106		2.00	1.47	74	
4	PCB-054	1.00	1.05	105		2.00	1.18	59	
4	PCB-077	1.00	1.05	105		2.00	1.38	69	
4	PCB-081	1.00	0.935	94		2.00	1.60	80	
5	PCB-104	1.00	0.960	96		2.00	1.66	83	
5	PCB-105	1.00	1.04	104		2.00	1.46	73	
5	PCB-114	1.00	1.03	103		2.00	1.53	76	
5	PCB-118	1.00	0.995	99		2.00	1.54	77	
5	PCB-123	1.00	1.04	104		2.00	1.53	76	
5	PCB-126	1.00	1.02	102		2.00	1.07	53	
6	PCB-155	1.00	0.918	92		2.00	2.28	114	
6	PCB-156/157	2.00	2.04	102		4.00	2.96	74	
6	PCB-167	1.00	1.00	100		2.00	1.61	81	
6	PCB-169	1.00	1.000	100		2.00	1.04	52	
7	PCB-188	1.00	1.06	106	N2	2.00	1.40	70	N2
7	PCB-189	1.00	1.02	102	N2	2.00	1.89	95	N2
8	PCB-202	1.00	0.960	96		2.00	2.58	129	
8	PCB-205	1.00	0.947	95		2.00	1.64	82	
9	PCB-206	1.00	0.933	93		2.00	1.35	68	
9	PCB-208	1.00	0.957	96		2.00	1.96	98	
10	PCB-209	1.00	0.863	86		2.00	1.37	69	

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Spike Recovery Relative Percent Difference (RPD) Results

Method 1668C

Spike 1 ID LCS-120133
Spike 1 Filename Y250801A_11

Spike 2 ID LCSD-120134
Spike 2 Filename Y250801A_12

Compound	Spike 1 %Rec.	Spike 2 %Rec.	RPD	Q
PCB-001	132	121	9.3	
PCB-003	130	120	7.4	
PCB-004	102	95	7.5	
PCB-015	122	114	6.5	
PCB-019	110	104	6.0	
PCB-037	111	106	4.6	
PCB-054	110	105	5.0	
PCB-077	104	105	1.2	
PCB-081	97	94	3.9	
PCB-104	102	96	5.6	
PCB-105	106	104	1.6	
PCB-114	103	103	0.3	
PCB-118	101	99	1.7	
PCB-123	104	104	0.4	
PCB-126	103	102	1.0	
PCB-155	103	92	11.2	
PCB-156/157	101	102	1.2	
PCB-167	100	100	0.2	
PCB-169	99	100	1.1	
PCB-188	95	106	1.2	N2
PCB-189	102	102	6.2	N2
PCB-202	95	96	0.8	
PCB-205	94	95	0.2	
PCB-206	93	93	0.2	
PCB-208	98	96	2.7	
PCB-209	85	86	1.8	

%REC = Percent Recovery

RPD = Relative Percent Difference

REPORT OF LABORATORY ANALYSIS

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August 14, 2025

SuboutTeam
Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122

RE: Project: L1876410/WG2555513
Pace Project No.: 20360415

Dear SuboutTeam:

Enclosed are the analytical results for sample(s) received by the laboratory on July 09, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - New Orleans

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Devin McDougal'.

Devin McDougal
devin.mcdougal@pacelabs.com
(225) 769-4900
Project Manager

Enclosures

cc: Angela Ford/McCurdy, Pace Analytical Dallas
Dallas Subs, Pace Analytical Dallas



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Pace Analytical Services, LLC

7979 Innovation Park Drive

Baton Rouge, LA 70820

(225) 769-4900

CERTIFICATIONS

Project: L1876410/WG2555513

Pace Project No.: 20360415

Pace Analytical Services New Orleans

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 2000662023-7

Kansas Department of Health and Environment (NELAC):
E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Texas Commission on Env. Quality (NELAC):

T104704405-23-18

U.S. Dept. of Agriculture Foreign Soil Import: 525-23-117-
89728

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7979 Innovation Park Drive
Baton Rouge, LA 70820
(225) 769-4900

SAMPLE SUMMARY

Project: L1876410/WG2555513
Pace Project No.: 20360415

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20360415001	OUTFALL 001	Water	07/08/25 06:00	07/09/25 09:20

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SAMPLE ANALYTE COUNT

Project: L1876410/WG2555513
Pace Project No.: 20360415

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20360415001	OUTFALL 001	EPA 200.8	FC1	14
		EPA 245.2	BRJ	1

PASI-N = Pace Analytical Services - New Orleans

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(225) 769-4900

PROJECT NARRATIVE

Project: L1876410/WG2555513

Pace Project No.: 20360415

Date: August 14, 2025

8/14/25 This report supersedes and replaces any prior report issued under this work order. This report has been revised to add Beryllium to the report per the client's request.

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PROJECT NARRATIVE

Project: L1876410/WG2555513

Pace Project No.: 20360415

Method: EPA 200.8

Description: 200.8 Metals, Total

Client: PACE_ANALYTICAL-ALLEN TX

Date: August 14, 2025

General Information:

1 sample was analyzed for EPA 200.8 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 366035

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20360648001,92805236001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1772621)
 - Aluminum
 - Chromium
 - Zinc

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 366035

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 1772619)
 - Chromium

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PROJECT NARRATIVE

Project: L1876410/WG2555513

Pace Project No.: 20360415

Method: EPA 200.8

Description: 200.8 Metals, Total

Client: PACE_ANALYTICAL-ALLEN TX

Date: August 14, 2025

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: L1876410/WG2555513
Pace Project No.: 20360415

Method: EPA 245.2
Description: 245.2 Mercury
Client: PACE_ANALYTICAL-ALLEN TX
Date: August 14, 2025

General Information:

1 sample was analyzed for EPA 245.2 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 245.2 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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**ANALYTICAL RESULTS**

Project: L1876410/WG2555513

Pace Project No.: 20360415

Sample: OUTFALL 001 **Lab ID:** 20360415001 **Collected:** 07/08/25 06:00 **Received:** 07/09/25 09:20 **Matrix:** Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.8 Metals, Total									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - New Orleans									
Aluminum	ND	ug/L	100	34.2	1	07/11/25 06:37	07/12/25 01:17	7429-90-5	
Antimony	ND	ug/L	1.0	0.33	1	07/11/25 06:37	07/12/25 01:17	7440-36-0	
Arsenic	ND	ug/L	1.0	0.16	1	07/11/25 06:37	07/12/25 01:17	7440-38-2	
Barium	33.6	ug/L	1.0	0.14	1	07/11/25 06:37	07/12/25 01:17	7440-39-3	
Beryllium	ND	ug/L	0.50	0.21	1	07/11/25 06:37	07/12/25 01:17	7440-41-7	
Cadmium	ND	ug/L	1.0	0.17	1	07/11/25 06:37	07/12/25 01:17	7440-43-9	
Chromium	ND	ug/L	1.0	0.51	1	07/11/25 06:37	07/12/25 01:17	7440-47-3	
Copper	5.0	ug/L	1.0	0.21	1	07/11/25 06:37	07/12/25 01:17	7440-50-8	
Lead	ND	ug/L	1.0	0.070	1	07/11/25 06:37	07/12/25 01:17	7439-92-1	
Nickel	2.4	ug/L	1.0	0.66	1	07/11/25 06:37	07/12/25 01:17	7440-02-0	
Selenium	ND	ug/L	1.0	0.37	1	07/11/25 06:37	07/12/25 01:17	7782-49-2	
Silver	ND	ug/L	0.50	0.10	1	07/11/25 06:37	07/12/25 01:17	7440-22-4	
Thallium	ND	ug/L	0.50	0.070	1	07/11/25 06:37	07/12/25 01:17	7440-28-0	
Zinc	17.7	ug/L	5.0	2.9	1	07/11/25 06:37	07/12/25 01:17	7440-66-6	

245.2 Mercury

Analytical Method: EPA 245.2 Preparation Method: EPA 245.2

Pace Analytical Services - New Orleans

Mercury	ND	ug/L	0.20	0.16	1	07/11/25 10:45	07/14/25 09:22	7439-97-6	
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QUALITY CONTROL DATA

Project: L1876410/WG2555513

Pace Project No.: 20360415

QC Batch: 366056

QC Batch Method: EPA 245.2

Analysis Method: EPA 245.2

Analysis Description: 245.2 Mercury

Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20360415001

METHOD BLANK: 1772721

Matrix: Water

Associated Lab Samples: 20360415001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.16	07/14/25 09:04	

LABORATORY CONTROL SAMPLE: 1772722

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.1	108	80-120	

MATRIX SPIKE SAMPLE: 1772724

Parameter	Units	20360616002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	1	1.0	97	75-125	

MATRIX SPIKE SAMPLE: 1772725

Parameter	Units	20360674001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	3.8	1	4.7	95	75-125	

SAMPLE DUPLICATE: 1772723

Parameter	Units	20360616002 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: L1876410/WG2555513

Pace Project No.: 20360415

QC Batch: 366035

Analysis Method: EPA 200.8

QC Batch Method: EPA 200.8

Analysis Description: 200.8 MET

Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20360415001

METHOD BLANK: 1772617

Matrix: Water

Associated Lab Samples: 20360415001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	100	34.2	07/11/25 19:11	
Antimony	ug/L	ND	1.0	0.33	07/11/25 19:11	
Arsenic	ug/L	ND	1.0	0.16	07/11/25 19:11	
Barium	ug/L	ND	1.0	0.14	07/11/25 19:11	
Beryllium	ug/L	ND	0.50	0.21	07/11/25 19:11	
Cadmium	ug/L	ND	1.0	0.17	07/11/25 19:11	
Chromium	ug/L	ND	1.0	0.51	07/11/25 19:11	
Copper	ug/L	ND	1.0	0.21	07/11/25 19:11	
Lead	ug/L	ND	1.0	0.070	07/11/25 19:11	
Nickel	ug/L	ND	1.0	0.66	07/11/25 19:11	
Selenium	ug/L	ND	1.0	0.37	07/11/25 19:11	
Silver	ug/L	ND	0.50	0.10	07/11/25 19:11	
Thallium	ug/L	ND	0.50	0.070	07/11/25 19:11	
Zinc	ug/L	ND	5.0	2.9	07/11/25 19:11	

LABORATORY CONTROL SAMPLE: 1772618

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	6000	5440	91	85-115	
Antimony	ug/L	60	56.7	95	85-115	
Arsenic	ug/L	60	57.9	97	85-115	
Barium	ug/L	60	56.0	93	85-115	
Beryllium	ug/L	60	57.9	96	85-115	
Cadmium	ug/L	60	56.5	94	85-115	
Chromium	ug/L	60	56.2	94	85-115	
Copper	ug/L	60	56.8	95	85-115	
Lead	ug/L	60	56.4	94	85-115	
Nickel	ug/L	60	57.5	96	85-115	
Selenium	ug/L	60	59.0	98	85-115	
Silver	ug/L	30	28.4	95	85-115	
Thallium	ug/L	30	25.9	86	85-115	
Zinc	ug/L	60	60.4	101	85-115	

MATRIX SPIKE SAMPLE: 1772620

Parameter	Units	20360648001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	ND	6000	5760	95	70-130	

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QUALITY CONTROL DATA

Project: L1876410/WG2555513

Pace Project No.: 20360415

MATRIX SPIKE SAMPLE: 1772620

Parameter	Units	20360648001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	60	58.7	97	70-130	
Arsenic	ug/L	1.4	60	60.4	98	70-130	
Barium	ug/L	35.7	60	95.0	99	70-130	
Beryllium	ug/L	ND	60	58.1	97	70-130	
Cadmium	ug/L	ND	60	55.7	93	70-130	
Chromium	ug/L	6.4	60	58.4	87	70-130	
Copper	ug/L	5.8	60	62.5	95	70-130	
Lead	ug/L	ND	60	58.5	97	70-130	
Nickel	ug/L	ND	60	58.0	95	70-130	
Selenium	ug/L	ND	60	57.2	95	70-130	
Silver	ug/L	ND	30	27.8	93	70-130	
Thallium	ug/L	ND	30	27.9	93	70-130	
Zinc	ug/L	21.2	60	79.6	97	70-130	

MATRIX SPIKE SAMPLE: 1772621

Parameter	Units	92805236001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	34500	6000	38000	58	70-130	M1
Antimony	ug/L	0.038 mg/L	60	94.4	93	70-130	
Arsenic	ug/L	ND	60	64.8	93	70-130	
Barium	ug/L	188	60	234	78	70-130	
Beryllium	ug/L	ND	60	57.6	96	70-130	
Cadmium	ug/L	ND	60	57.8	96	70-130	
Chromium	ug/L	58.7 mg/L	60	61700	4900	70-130	M1
Copper	ug/L	0.088 mg/L	60	136	81	70-130	
Lead	ug/L	0.085 mg/L	60	133	81	70-130	
Nickel	ug/L	0.019 mg/L	60	75.0	94	70-130	
Selenium	ug/L	ND	60	54.3	89	70-130	
Silver	ug/L	ND	30	27.8	93	70-130	
Thallium	ug/L	ND	30	26.6	83	70-130	
Zinc	ug/L	47.1 mg/L	60	43200	-6370	70-130	M1

SAMPLE DUPLICATE: 1772619

Parameter	Units	20360648001 Result	Dup Result	RPD	Max RPD	Qualifiers
Aluminum	ug/L	ND	44.1J		20	
Antimony	ug/L	ND	ND		20	
Arsenic	ug/L	1.4	1.5	6	20	
Barium	ug/L	35.7	36.7	3	20	
Beryllium	ug/L	ND	ND		20	
Cadmium	ug/L	ND	ND		20	
Chromium	ug/L	6.4	1.3	131	20	D6
Copper	ug/L	5.8	5.8	0	20	
Lead	ug/L	ND	.26J		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: L1876410/WG2555513
Pace Project No.: 20360415

SAMPLE DUPLICATE: 1772619

Parameter	Units	20360648001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nickel	ug/L	ND	.71J		20	
Selenium	ug/L	ND	ND		20	
Silver	ug/L	ND	ND		20	
Thallium	ug/L	ND	ND		20	
Zinc	ug/L	21.2	23.9	12	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: L1876410/WG2555513
Pace Project No.: 20360415

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The Nelac Institute

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L1876410/WG2555513
Pace Project No.: 20360415

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20360415001	OUTFALL 001	EPA 200.8	366035	EPA 200.8	366080
20360415001	OUTFALL 001	EPA 245.2	366056	EPA 245.2	366091

REPORT OF LABORATORY ANALYSIS

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Sub-Contract Chain of Custody

Batch Date/Time: 07/08/25 16:37
Sub-Contract Lab: PACESRLA
Address: 1000 Riverbend Blvd Suite F
City/State: St. Rose, LA 70087
Contact:
 devin.mcdougal@pacelabs.com
Owner Lab: PACEMTJL
Address: 12065 Lebanon Rd.
City/State: Mt. Juliet, TN 37122
Phone: (615) 773-9756
Fax: (615) 758-5859

WO: WG2555513
Email: MTJLSuboutTeam@pacelabs.com
Results Due Date: 07/23/25
ESC Purchase Order #: L1876410
Send Reports to: Angela Ford



12065 Lebanon Rd.
 Mt. Juliet, TN 37122
Phone: (615) 773-9756
Fax: (615) 758-5859

Sample ID Container ID	Matrix	State	Collect Date	Description	Method	Sample Number Lab Use Only	Sample Comments Lab Use Only
OUTFALL 001 250mlHDPE-HNO3 - S52341741	WW	TX	07/08/25 06:00	200.8 Metals	200.8	1. L1876410-01	Level II / No EDD/ TX cert

*= Container used for multiple Samples and/or Analyses

Relinquished by: K. V. Pace Date 7/8/25 1700
 Received by: FedEx Date 7/8/25
 Relinquished by: FedEx Date 7/9/2025 0920
 Received by: Y. J. Pace Date 7/9/2025 0920

1.6

WO# : 20360415





Sample Condition Upon Receipt / SCUR

WO#: 20360415

Wc

PM: DRM

Due Date: 07/11/25

CLIENT: BR-PACE TX

1000 Riverbend Blvd, Suite F, St. Rose, LA 70087

Cooler Inspected by/date:

JMB / 7/9/2025

Means of receipt:		☐ Pace	☐ Client	☐ UPS	☒ FedEx	☐ Other:
☒ Yes	☐ No	☐ NA	Were custody seals present on the cooler?			
☒ Yes	☐ No	☐ NA	If custody seals were present, were they intact and unbroken?			
Method:		☒ Temperature Blank	☐ Against Bottles	IR Gun ID: 12	IR Gun Correction Factor: 0 °C	
Cooler #1	Cooler Temp °C:	1.6	(Actual/True)	Samples on ice	☒ Yes	☐ No
Cooler #2	Cooler Temp °C:		(Actual/True)	pH Strip Lot #	2011570	
Cooler #3	Cooler Temp °C:		(Actual/True)	Method of coolant:		
Cooler #4	Cooler Temp °C:		(Actual/True)	☒ Wet	☐ Ice Packs	☐ Dry Ice
Tracking #: 4593 8829 7854						
☒ Yes	☐ No	☐ NA	Is a temperature blank present?			
☒ Yes	☐ No	☐ NA	Was a chain of custody (COC) received?			
☐ Yes	☒ No	☐ NA	Was the line and profile number listed on the COC?			
☒ Yes	☐ No	☐ NA	Were all coolers received at or below 6.0°C? If no, notify Project Manager via email.			
			Email Notification Date and Time:			
☒ Yes	☐ No	☐ NA	Were proper custody procedures (relinquished/received) followed?			
☐ Yes	☒ No	☐ NA	Is the sampler name and signature on the COC?			
☒ Yes	☐ No	☐ NA	Were sample IDs listed on the COC and all sample containers?			
☒ Yes	☐ No	☐ NA	Was collection date & time listed on the COC and all sample containers?			
☒ Yes	☐ No	☐ NA	Did all container label information (ID, date, time) agree with the COC?			
☒ Yes	☐ No	☐ NA	Were tests to be performed listed on the COC?			
☒ Yes	☐ No	☐ NA	Did all samples arrive in the proper containers for each test and in good condition (unbroken, lids on, etc.)?			
☒ Yes	☐ No	☐ NA	Was adequate sample volume available?			
☒ Yes	☐ No	☐ NA	Were all samples received within ½ the holding time or 48 hours, whichever comes first?			
☒ Yes	☐ No	☐ NA	Were all samples containers accounted for? (No missing/excess)			
☐ Yes	☐ No	☒ NA	Were VOA, 8015C (GRO/VPH), and RSK-175 samples free of bubbles > "pea size" (1/4" or 6mm in diameter) in any of the VOA vials?			
☐ Yes	☐ No	☒ NA	Was there a trip blank present?			
☐ Yes	☐ No	☒ NA	Filtered volume received for dissolved tests?			
			If no, list affected sample(s) in comments below.			
☒ Yes	☐ No	☐ NA	Were all metals/nutrient samples received at a pH of < 2?			
			If No, was preservative added? ☐ Yes ☐ No			
			If added, record lots. Dispenser/pipette lot #:			
			HNO3: H2SO4: NaOH:			
			Date: Time:			
☐ Yes ☐ No ☒ NA Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?						
Comments:						

Project
1154157

PABA-N

Pace Analytical Dallas
Jeremy Watkins
400 West Bethany Drive
Suite 190
Allen, TX 75013

Printed 07/31/2025
15:44

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WG2555458

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1154157_r03_03_ProjectResults	SPL Kilgore Project P:1154157 C:PABA Project Results t:304 PO: L1876410	9
1154157_r10_05_ProjectQC	SPL Kilgore Project P:1154157 C:PABA Project Quality Control Groups	15
1154157_r99_09_CoC_1_of_1	SPL Kilgore CoC PABA 1154157_1_of_1	3
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SAMPLE CROSS REFERENCE

Project

1154157

Printed 7/31/2025 Page 1 of 1

Pace Analytical Dallas
 Jeremy Watkins
 400 West Bethany Drive
 Suite 190
 Allen, TX 75013

Sample	Sample ID	Taken	Time	Received
2426187	L1876410-01	07/08/2025	06:00:00	07/09/2025

Bottle 01 Client Supplied Amber Glass
 Bottle 02 Client Supplied Amber Glass
 Bottle 03 Client Supplied Amber Glass
 Bottle 04 Client Supplied Amber Glass
 Bottle 05 Client Supplied Amber Glass
 Bottle 06 Client Supplied Amber Glass
 Bottle 07 Client Supplied Amber Glass
 Bottle 08 Client Supplied Amber Glass
 Bottle 09 Client Supplied Amber Glass
 Bottle 10 Client Supplied Amber Glass
 Bottle 11 Client Supplied Amber Glass
 Bottle 12 Client Supplied Amber Glass
 Bottle 13 Client Supplied Amber Glass
 Bottle 14 Client Supplied Amber Glass

Bottle 15 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1184236) Volume: 1.00000 mL <== Derived from 02 (1051 ml)
 Bottle 16 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1184241) Volume: 1.00000 mL <== Derived from 02 (1051 ml)
 Bottle 17 Prepared Bottle: OPXL\OPXS 2 mL Autosampler Vial (Batch 1184246) Volume: 1.00000 mL <== Derived from 02 (1051 ml)
 Bottle 18 Prepared Bottle: PCBL 2 mL Autosampler Vial (Batch 1184249) Volume: 1.00000 mL <== Derived from 02 (1051 ml)
 Bottle 19 Prepared Bottle: 2 mL Autosampler Vial (Batch 1184691) Volume: 1.00000 mL <== Derived from 01 (1050 ml)
 Bottle 20 Prepared Bottle: 2 mL Autosampler Vial (Batch 1185208) Volume: 5.00000 mL <== Derived from 03 (1050 ml)
 Bottle 21 Prepared Bottle: 2 mL Autosampler Vial (Batch 1185234) Volume: 10.00000 mL <== Derived from 04 (1057 ml)
 Bottle 22 Prepared Bottle: 2 mL Autosampler Vial (Batch 1186725) Volume: 1.00000 mL <== Derived from 06 (1053 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 608.3	16	1184241	07/09/2025	1184728	07/10/2025
EPA 608.3	18	1184249	07/09/2025	1185103	07/10/2025
EPA 615	21	1185234	07/15/2025	1188118	07/30/2025
EPA 632	15	1184236	07/09/2025	1187027	07/17/2025
EPA 604.1	20	1185208	07/14/2025	1188022	07/30/2025
EPA 617	16	1184241	07/09/2025	1184723	07/10/2025
EPA 625.1	19	1184691	07/11/2025	1186036	07/17/2025
EPA 614	17	1184246	07/09/2025	1184999	07/10/2025
EPA 614	17	1184246	07/09/2025	1185589	07/16/2025
ASTM D7065-17	22	1186725	07/22/2025	1187447	07/27/2025
EPA 622	17	1184246	07/09/2025	1184996	07/10/2025

Email: Kilgore.ProjectManagement@spilabs.com

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Pace Analytical Dallas
Jeremy Watkins
400 West Bethany Drive
Suite 190
Allen, TX 75013

Project
1154157

Printed: 07/31/2025

WG2555458

RESULTS

Sample Results

2426187 **L1876410-01**

Received: 07/09/2025

Non-Potable Water

Collected by: Client

Pace Analytical Dall

PO:

L1876410

Taken: 07/08/2025

06:00:00

LEVEL 2/ NO EDD/ TX CERT

ASTM D7065-17

Prepared: 1186725 07/22/2025 14:30:00 Analyzed 1187447 07/27/2025 19:22:00 DWL

Parameter	Results	Units	RL	Flags	CAS	Bottle
Nonylphenol	<28.5	ug/L	28.5	SXD	25154-52-3	22

EPA 604.1

Prepared: 1185208 07/14/2025 14:30:00 Analyzed 1188022 07/30/2025 03:23:00 BRU

Parameter	Results	Units	RL	Flags	CAS	Bottle
Hexachlorophene	<2.38	ug/L	2.38		70-30-4	20

EPA 608.3

Prepared: 1184241 07/10/2025 13:00:00 Analyzed 1184728 07/10/2025 22:52:00 KAP

Parameter	Results	Units	RL	Flags	CAS	Bottle
4,4-DDD	<0.00951	ug/L	0.00951		72-54-8	16
4,4-DDE	<0.00951	ug/L	0.00951	JM	72-55-9	16
4,4-DDT	<0.00951	ug/L	0.00951		50-29-3	16
Aldrin	<0.00951	ug/L	0.00951	S	309-00-2	16
Alpha-BHC(hexachlorocyclohexane)	<0.00951	ug/L	0.00951		319-84-6	16
Beta-BHC(hexachlorocyclohexane)	<0.00951	ug/L	0.00951		319-85-7	16
Chlordane	<0.0951	ug/L	0.0951		57-74-9	16
Delta-BHC(hexachlorocyclohexane)	<0.00951	ug/L	0.00951		319-86-8	16
Dieldrin	0.00326	ug/L	0.00951	J	60-57-1	16
Endosulfan I (alpha)	<0.00951	ug/L	0.00951		959-98-8	16
Endosulfan II (beta)	<0.00951	ug/L	0.00951		33213-65-9	16
Endosulfan sulfate	<0.00951	ug/L	0.00951		1031-07-8	16
Endrin	<0.00951	ug/L	0.00951	JM	72-20-8	16
Endrin aldehyde	<0.00951	ug/L	0.00951		7421-93-4	16
Gamma-BHC(Lindane)	<0.00951	ug/L	0.00951		58-89-9	16
Heptachlor	<0.00951	ug/L	0.00951		76-44-8	16
Heptachlor epoxide	<0.00951	ug/L	0.00951		1024-57-3	16
Toxaphene	<0.0951	ug/L	0.0951		8001-35-2	16



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Pace Analytical Dallas
Jeremy Watkins
400 West Bethany Drive
Suite 190
Allen, TX 75013

Project
1154157

Printed: 07/31/2025

2426187 **L1876410-01**

Received: 07/09/2025

Non-Potable Water

Collected by: Client

Pace Analytical Dall

PO:

L1876410

Taken: 07/08/2025

06:00:00

LEVEL 2/ NO EDD/ TX CERT

EPA 608.3

Prepared: 1184249 07/10/2025 13:00:00 Analyzed 1185103 07/10/2025 22:52:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	PCB-1016	<0.190	ug/L	0.190		12674-11-2	18
NELAC	PCB-1221	<0.190	ug/L	0.190		11104-28-2	18
NELAC	PCB-1232	<0.190	ug/L	0.190		11141-16-5	18
NELAC	PCB-1242	<0.190	ug/L	0.190		53469-21-9	18
NELAC	PCB-1248	<0.190	ug/L	0.190		12672-29-6	18
NELAC	PCB-1254	<0.190	ug/L	0.190		11097-69-1	18
NELAC	PCB-1260	<0.190	ug/L	0.190		11096-82-5	18

EPA 614

Prepared: 1184246 07/10/2025 13:00:00 Analyzed 1184999 07/10/2025 23:48:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Azinphos-methyl (Guthion)	<0.0476	ug/L	0.0476		86-50-0	17
NELAC	Demeton	<0.0476	ug/L	0.0476		8065-48-3	17
NELAC	Diazinon	<0.0476	ug/L	0.0476		333-41-5	17
NELAC	Parathion, ethyl	<0.0476	ug/L	0.0476		56-38-2	17

EPA 614

Prepared: 1184246 07/10/2025 13:00:00 Analyzed 1185589 07/16/2025 21:42:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Malathion	<0.0476	ug/L	0.0476		121-75-5	17
NELAC	Parathion, methyl	<0.0381	ug/L	0.0381		298-00-0	17

EPA 615

Prepared: 1185234 07/15/2025 13:45:00 Analyzed 1188118 07/30/2025 20:03:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	2,4 Dichlorophenoxyacetic acid	<0.473	ug/L	0.473		94-75-7	21
NELAC	2,4,5-T	<0.473	ug/L	0.473	D	93-76-5	21
NELAC	2,4,5-TP (Silvex)	<0.284	ug/L	0.284		93-72-1	21
NELAC	Dalapon (dichloropropionic acid)	<0.473	ug/L	0.473		75-99-0	21
NELAC	Dicamba	<0.473	ug/L	0.473		1918-00-9	21

EPA 617

Prepared: 1184241 07/10/2025 13:00:00 Analyzed 1184723 07/10/2025 22:52:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Kelthane (Dicofol)	<0.0951	ug/L	0.0951		115-32-2	16



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Pace Analytical Dallas
 Jeremy Watkins
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 Suite 190
 Allen, TX 75013

Project
1154157

Printed: 07/31/2025

2426187 L1876410-01

Received: 07/09/2025

Non-Potable Water

Collected by: Client

Pace Analytical Dall

PO:

L1876410

Taken: 07/08/2025

06:00:00

LEVEL 2/ NO EDD/ TX CERT

EPA 617 Prepared: 1184241 07/10/2025 13:00:00 Analyzed 1184723 07/10/2025 22:52:00 KAP

Parameter	Results	Units	RL	Flags	CAS	Bottle
z Methoxychlor	<0.00951	ug/L	0.00951		72-43-5	16
z Mirex	<0.00951	ug/L	0.00951		2385-85-5	16

EPA 622 Prepared: 1184246 07/10/2025 13:00:00 Analyzed 1184996 07/10/2025 23:48:00 KAP

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Chlorpyrifos	<0.0381	ug/L	0.0381		2921-88-2	17

EPA 625.1 Prepared: 1184691 07/11/2025 11:00:00 Analyzed 1186036 07/17/2025 20:19:00 PMI

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC 1,2,4,5-Tetrachlorobenzene	<0.952	ug/L	0.952		95-94-3	19
NELAC 1,2,4-Trichlorobenzene	<0.952	ug/L	0.952		120-82-1	19
NELAC 1,2-Dichlorobenzene	<0.952	ug/L	0.952		95-50-1	19
NELAC 1,2-DPH (as azobenzene)	<0.952	ug/L	0.952		122-66-7	19
NELAC 1,3-Dichlorobenzene	<0.952	ug/L	0.952		541-73-1	19
NELAC 1,4-Dichlorobenzene	<0.952	ug/L	0.952		106-46-7	19
NELAC 2,4,5-Trichlorophenol	<0.952	ug/L	0.952		95-95-4	19
NELAC 2,4,6-Trichlorophenol	<0.952	ug/L	0.952		88-06-2	19
NELAC 2,4-Dichlorophenol	<0.952	ug/L	0.952		120-83-2	19
NELAC 2,4-Dimethylphenol	<6.67	ug/L	6.67	S	105-67-9	19
NELAC 2,4-Dinitrophenol	<0.952	ug/L	0.952		51-28-5	19
NELAC 2,4-Dinitrotoluene	<0.952	ug/L	0.952		121-14-2	19
NELAC 2,6-Dinitrotoluene	<0.952	ug/L	0.952		606-20-2	19
NELAC 2-Chloronaphthalene	<0.952	ug/L	0.952	D	91-58-7	19
NELAC 2-Chlorophenol	<0.952	ug/L	0.952		95-57-8	19
NELAC 2-Methylphenol (o-Cresol)	<2.86	ug/L	2.86		95-48-7	19
NELAC 2-Nitrophenol	<0.952	ug/L	0.952		88-75-5	19
NELAC 3&4-Methylphenol (m&p-Cresol)	<2.86	ug/L	2.86		MEPH34	19
NELAC 3,3'-Dichlorobenzidine	<0.952	ug/L	0.952		91-94-1	19
NELAC 4,6-Dinitro-2-methylphenol	<0.952	ug/L	0.952		534-52-1	19
NELAC 4-Bromophenyl phenyl ether	<0.952	ug/L	0.952		101-55-3	19
NELAC 4-Chlorophenyl phenyl ether	<0.952	ug/L	0.952		7005-72-3	19
NELAC 4-Nitrophenol	<0.952	ug/L	0.952		100-02-7	19



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Pace Analytical Dallas
 Jeremy Watkins
 400 West Bethany Drive
 Suite 190
 Allen, TX 75013

Project
1154157

Printed: 07/31/2025

2426187 L1876410-01

Received: 07/09/2025

Non-Potable Water

Collected by: Client

Pace Analytical Dall

PO:

L1876410

Taken: 07/08/2025

06:00:00

LEVEL 2/ NO EDD/ TX CERT

EPA 625.1

Prepared: 1184691 07/11/2025 11:00:00 Analyzed 1186036 07/17/2025 20:19:00 PMI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Acenaphthene	<0.952	ug/L	0.952		83-32-9	19
NELAC	Acenaphthylene	<0.952	ug/L	0.952		208-96-8	19
z	Aniline	<1.90	ug/L	1.90	S	62-53-3	19
NELAC	Anthracene	<0.952	ug/L	0.952		120-12-7	19
NELAC	Benidine	<0.952	ug/L	0.952		92-87-5	19
NELAC	Benzo(a)anthracene	<0.952	ug/L	0.952		56-55-3	19
NELAC	Benzo(a)pyrene	<0.952	ug/L	0.952		50-32-8	19
NELAC	Benzo(b)fluoranthene	<0.952	ug/L	0.952		205-99-2	19
NELAC	Benzo(ghi)perylene	<0.952	ug/L	0.952		191-24-2	19
NELAC	Benzo(k)fluoranthene	<0.952	ug/L	0.952		207-08-9	19
NELAC	Benzyl Butyl phthalate	1.46	ug/L	0.952	B	85-68-7	19
NELAC	Bis(2-chloroethoxy)methane	<0.952	ug/L	0.952		111-91-1	19
NELAC	Bis(2-chloroethyl)ether	<0.952	ug/L	0.952		111-44-4	19
NELAC	Bis(2-chloroisopropyl)ether	<0.952	ug/L	0.952		108-60-1	19
NELAC	Bis(2-ethylhexyl)phthalate	<1.90	ug/L	1.90		117-81-7	19
NELAC	Chrysene (Benzo(a)phenanthrene)	<0.952	ug/L	0.952		218-01-9	19
NELAC	Dibenz(a,h)anthracene	<0.952	ug/L	0.952		53-70-3	19
NELAC	Diethyl phthalate	<0.952	ug/L	0.952		84-66-2	19
NELAC	Dimethyl phthalate	<0.952	ug/L	0.952	X	131-11-3	19
NELAC	Di-n-butylphthalate	<0.952	ug/L	0.952		84-74-2	19
NELAC	Di-n-octylphthalate	<0.952	ug/L	0.952		117-84-0	19
NELAC	Fluoranthene(Benzo(j,k)fluorene)	<0.952	ug/L	0.952		206-44-0	19
NELAC	Fluorene	<0.952	ug/L	0.952		86-73-7	19
NELAC	Hexachlorobenzene	<0.952	ug/L	0.952		118-74-1	19
NELAC	Hexachlorobutadiene	<0.952	ug/L	0.952	X	87-68-3	19
NELAC	Hexachlorocyclopentadiene	<0.952	ug/L	0.952		77-47-4	19
NELAC	Hexachloroethane	<0.952	ug/L	0.952	S	67-72-1	19
NELAC	Indeno(1,2,3-cd)pyrene	<0.952	ug/L	0.952		193-39-5	19
NELAC	Isophorone	<0.952	ug/L	0.952		78-59-1	19
NELAC	Naphthalene	<0.952	ug/L	0.952		91-20-3	19
NELAC	Nitrobenzene	<0.952	ug/L	0.952		98-95-3	19
NELAC	n-Nitrosodiethylamine	<1.90	ug/L	1.90	X	55-18-5	19
NELAC	N-Nitrosodimethylamine	<1.90	ug/L	1.90	XD	62-75-9	19
NELAC	n-Nitroso-di-n-butylamine	<0.952	ug/L	0.952		924-16-3	19
NELAC	N-Nitrosodi-n-propylamine	<0.952	ug/L	0.952		621-64-7	19



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Pace Analytical Dallas
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Project
1154157

Printed: 07/31/2025

2426187 L1876410-01

Received: 07/09/2025

Non-Potable Water

Collected by: Client

Pace Analytical Dall

PO:

L1876410

Taken: 07/08/2025

06:00:00

LEVEL 2/ NO EDD/ TX CERT

EPA 625.1 Prepared: 1184691 07/11/2025 11:00:00 Analyzed 1186036 07/17/2025 20:19:00 PM1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	N-Nitrosodiphenylamine (as DPA	<0.952	ug/L	0.952		86-30-6	19
NELAC	p-Chloro-m-Cresol (4-Chloro-3-me	<0.952	ug/L	0.952		59-50-7	19
NELAC	Pentachlorobenzene	<0.952	ug/L	0.952		608-93-5	19
NELAC	Pentachlorophenol	<0.952	ug/L	0.952		87-86-5	19
NELAC	Phenanthrene	<0.952	ug/L	0.952		85-01-8	19
NELAC	Phenol	<0.952	ug/L	0.952		108-95-2	19
NELAC	Pyrene	<0.952	ug/L	0.952		129-00-0	19
NELAC	Pyridine	<0.952	ug/L	0.952	XD	110-86-1	19

EPA 625.1 Prepared: 1184691 07/11/2025 11:00:00 Calculated 1186036 07/21/2025 13:32:14 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cresols Total	<2.86	ug/L	2.86		1319-77-3, etc.	19

EPA 632 Prepared: 1184236 07/10/2025 13:00:00 Analyzed 1187027 07/17/2025 13:19:00 BRU

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Carbaryl (Sevin)	<2.38	ug/L	2.38		63-25-2	15
z	Diuron	<0.0428	ug/L	0.0428		330-54-1	15

Sample Preparation

2426187 L1876410-01

Received: 07/09/2025

L1876410

07/08/2025

Prepared: 07/09/2025 14:31:24 Calculated 07/09/2025 14:31:24 CAL

2 Enviro Fee (per Sampling Group) Verified



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2426187 L1876410-01

Received: 07/09/2025

L1876410

07/08/2025

	Prepared:	07/31/2025	15:40:00	Analyzed	07/31/2025	15:40:00	WJP
z	Check Limits	Completed					
	ASTM D7065-17	Prepared:	1186725	07/22/2025	14:30:00	Analyzed	1187447
			07/27/2025	19:22:00	DWL		
z	Nonyl Phenol Expansion	Entered					
	EPA 604.1	Prepared:	1185208	07/14/2025	14:30:00	Analyzed	1185208
			07/14/2025	14:30:00	SAE		
	Hexachlorophene Extraction	5/1050	ml				03
	EPA 604.1	Prepared:	1185208	07/14/2025	14:30:00	Analyzed	1188022
			07/30/2025	03:23:00	BRU		
	Hexachlorophene Expansion	Entered					
					70-30-4		20
	EPA 608.3	Prepared:	1184241	07/10/2025	13:00:00	Analyzed	1184241
			07/10/2025	13:00:00	SAE		
	Liquid-Liquid Extr. W/Hex Ex	1/1051	ml				02
	EPA 608.3	Prepared:	1184241	07/10/2025	13:00:00	Analyzed	1184728
			07/10/2025	22:52:00	KAP		
NELAC	TTO Pesticides	Entered					
	EPA 608.3	Prepared:	1184246	07/10/2025	13:00:00	Analyzed	1184246
			07/10/2025	13:00:00	SAE		
	Solvent Extraction	1/1051	ml				02
	EPA 608.3	Prepared:	1184249	07/10/2025	13:00:00	Analyzed	1184249
			07/10/2025	13:00:00	SAE		
	PCB Liq-Liq Extr. W/Hex Exch.	1/1051	ml				02



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07/08/2025

EPA 608.3		Prepared: 1184249	07/10/2025	13:00:00	Analyzed 1185103	07/10/2025	22:52:00	KAP
NELAC	Polychlorinated Biphenyls	Entered						18
EPA 614		Prepared: 1184246	07/10/2025	13:00:00	Analyzed 1185589	07/16/2025	21:42:00	KAP
z	Permit Organophos. Pesticides	Entered						17
EPA 615		Prepared: 1185234	07/15/2025	13:45:00	Analyzed 1185234	07/15/2025	13:45:00	SAE
NELAC	ESRL Extract w/ 1 ml of 515 Spik	10/1057	ml					04
EPA 615		Prepared: 1185234	07/15/2025	13:45:00	Analyzed 1188118	07/30/2025	20:03:00	KAP
z	Herbicides 40 CFR 122 Table V	Entered						21
EPA 617		Prepared: 1184241	07/10/2025	13:00:00	Analyzed 1184723	07/10/2025	22:52:00	KAP
z	For use with IPPR only	Entered						16
EPA 622		Prepared: 1184246	07/10/2025	13:00:00	Analyzed 1184996	07/10/2025	23:48:00	KAP
NELAC	For use with EXP ICPP only	Entered						17
EPA 625.1		Prepared: 1184691	07/11/2025	11:00:00	Analyzed 1184691	07/11/2025	11:00:00	SAE
Liquid-Liquid Extraction, BNA		1/1050	ml					01
EPA 625.1		Prepared: 1184691	07/11/2025	11:00:00	Analyzed 1186036	07/17/2025	20:19:00	PM1



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L1876410

07/08/2025

EPA 625.1		Prepared: 1184691	07/11/2025	11:00:00	Analyzed 1186036	07/17/2025	20:19:00	PMI
NELAC	Table D-1/ D-2 Semivolatiles Exp	Entered						19
EPA 625.1		Prepared: 1186725	07/22/2025	14:30:00	Analyzed 1186725	07/22/2025	14:30:00	CRS
Nonylphenol Liq-Liq Extract		1/1053	ml		A		06	
EPA 632		Prepared: 1184236	07/10/2025	13:00:00	Analyzed 1184236	07/10/2025	13:00:00	SAE
Liquid-Liquid Extr. W/Hex Ex		1/1051	ml				02	
EPA 632		Prepared: 1184236	07/10/2025	13:00:00	Analyzed 1187027	07/17/2025	13:19:00	BRU
NELAC	Carbaryl/Diuron EXP	Entered						15



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24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
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Project
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Qualifiers:

J - Analyte detected below quantitation limit
D - Duplicate RPD was higher than expected
A - Lab pH adjusted per method prior to analysis
S - Standard reads lower than desired
B - Analyte detected in the associated method blank
M - High reporting level resulting from matrix interference.
X - Standard reads higher than desired.

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

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

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

z -- Not covered by our NELAC scope of accreditation

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

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

Bill Peery, MS, VP Technical Services



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QUALITY CONTROL



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Analytical Set

1184723

EPA 617

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Kelthane (Dicofol)	1184241	ND	7.98	10.0	ug/L	127818358
Methoxychlor	1184241	ND	0.846	1.00	ug/L	127818358
Mirex	1184241	ND	0.607	1.00	ug/L	127818358

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Kelthane (Dicofol)	101	100	ug/L	101	60.0 - 130	127818357
Kelthane (Dicofol)	89.0	100	ug/L	89.0	60.0 - 130	127818367
Methoxychlor	56.1	50.0	ug/L	112	70.0 - 130	127818357
Methoxychlor	61.2	50.0	ug/L	122	70.0 - 130	127818367
Mirex	48.8	50.0	ug/L	97.6	70.0 - 130	127818357
Mirex	46.8	50.0	ug/L	93.6	70.0 - 130	127818367

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Kelthane (Dicofol)	1184241	94.0	96.4	100	0.100 - 137	94.0	96.4	ug/L	2.52	30.0
Methoxychlor	1184241	66.7	69.1	100	21.5 - 151	66.7	69.1	ug/L	3.53	30.0
Mirex	1184241	51.7	50.1	100	11.6 - 140	51.7	50.1	ug/L	3.14	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl		CCV	49.3	100	ug/L	49.3	10.0 - 150	127818357
Decachlorobiphenyl		CCV	45.8	100	ug/L	45.8	10.0 - 150	127818367
Tetrachloro-m-Xylene (Surr)		CCV	46.4	100	ug/L	46.4	10.0 - 150	127818357
Tetrachloro-m-Xylene (Surr)		CCV	45.3	100	ug/L	45.3	10.0 - 150	127818367
Decachlorobiphenyl	1184241	Blank	59.0	100	ug/L	59.0	10.0 - 150	127818358
Decachlorobiphenyl	1184241	LCS	57.8	100	ug/L	57.8	10.0 - 150	127818359
Decachlorobiphenyl	1184241	LCS Dup	50.4	100	ug/L	50.4	10.0 - 150	127818360
Tetrachloro-m-Xylene (Surr)	1184241	Blank	45.9	100	ug/L	45.9	10.0 - 150	127818358
Tetrachloro-m-Xylene (Surr)	1184241	LCS	37.2	100	ug/L	37.2	10.0 - 150	127818359
Tetrachloro-m-Xylene (Surr)	1184241	LCS Dup	29.3	100	ug/L	29.3	10.0 - 150	127818360
Decachlorobiphenyl	2426187	Unknown	0.0462	0.0951	ug/L	48.6	10.0 - 150	127818363
Tetrachloro-m-Xylene (Surr)	2426187	Unknown	0.0371	0.0951	ug/L	39.0	10.0 - 150	127818363

Analytical Set

1184728

EPA 608.3

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
4,4-DDD	1184241	ND	0.528	1.00	ug/L	127818418
4,4-DDE	1184241	ND	0.370	1.00	ug/L	127818418
4,4-DDT	1184241	ND	0.696	1.00	ug/L	127818418
Aldrin	1184241	ND	0.157	1.00	ug/L	127818418
Alpha-BHC(hexachlorocyclohexane)	1184241	0.325	0.266	1.00	ug/L	127818418
Beta-BHC(hexachlorocyclohexane)	1184241	0.686	0.228	1.00	ug/L	127818418
Delta-BHC(hexachlorocyclohexane)	1184241	ND	0.601	1.00	ug/L	127818418

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QUALITY CONTROL



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Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Dieldrin	1184241	ND	0.196	1.00	ug/L	127818418
Endosulfan I (alpha)	1184241	ND	0.257	1.00	ug/L	127818418
Endosulfan II (beta)	1184241	ND	0.287	1.00	ug/L	127818418
Endosulfan sulfate	1184241	ND	0.371	1.00	ug/L	127818418
Endrin	1184241	ND	0.294	1.00	ug/L	127818418
Endrin aldehyde	1184241	ND	0.452	1.00	ug/L	127818418
Gamma-BHC(Lindane)	1184241	ND	0.398	1.00	ug/L	127818418
Heptachlor	1184241	ND	0.292	1.00	ug/L	127818418
Heptachlor epoxide	1184241	ND	0.287	1.00	ug/L	127818418
Toxaphene	1184241	ND	7.39	10.0	ug/L	127818418

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
4,4-DDD	55.6	50.0	ug/L	111	75.0 - 125	127818417
4,4-DDD	55.0	50.0	ug/L	110	75.0 - 125	127818427
4,4-DDE	52.4	50.0	ug/L	105	75.0 - 125	127818417
4,4-DDE	55.0	50.0	ug/L	110	75.0 - 125	127818427
4,4-DDT	55.7	50.0	ug/L	111	75.0 - 125	127818417
4,4-DDT	55.4	50.0	ug/L	111	75.0 - 125	127818427
Aldrin	51.0	50.0	ug/L	102	75.0 - 125	127818417
Aldrin	54.6	50.0	ug/L	109	75.0 - 125	127818427
Alpha-BHC(hexachlorocyclohexane)	50.5	50.0	ug/L	101	75.0 - 125	127818417
Alpha-BHC(hexachlorocyclohexane)	54.1	50.0	ug/L	108	75.0 - 125	127818427
Beta-BHC(hexachlorocyclohexane)	50.1	50.0	ug/L	100	75.0 - 125	127818417
Beta-BHC(hexachlorocyclohexane)	53.4	50.0	ug/L	107	75.0 - 125	127818427
Delta-BHC(hexachlorocyclohexane)	52.4	50.0	ug/L	105	75.0 - 125	127818417
Delta-BHC(hexachlorocyclohexane)	54.2	50.0	ug/L	108	75.0 - 125	127818427
Dieldrin	52.2	50.0	ug/L	104	75.0 - 125	127818417
Dieldrin	53.1	50.0	ug/L	106	75.0 - 125	127818427
Endosulfan I (alpha)	53.8	50.0	ug/L	108	75.0 - 125	127818417
Endosulfan I (alpha)	55.0	50.0	ug/L	110	75.0 - 125	127818427
Endosulfan II (beta)	52.7	50.0	ug/L	105	75.0 - 125	127818417
Endosulfan II (beta)	49.1	50.0	ug/L	98.2	75.0 - 125	127818427
Endosulfan sulfate	51.9	50.0	ug/L	104	75.0 - 125	127818417
Endosulfan sulfate	48.8	50.0	ug/L	97.6	75.0 - 125	127818427
Endrin	52.7	50.0	ug/L	105	75.0 - 125	127818417
Endrin	55.7	50.0	ug/L	111	75.0 - 125	127818427
Endrin aldehyde	50.7	50.0	ug/L	101	75.0 - 125	127818417
Endrin aldehyde	42.8	50.0	ug/L	85.6	75.0 - 125	127818427
Gamma-BHC(Lindane)	50.9	50.0	ug/L	102	75.0 - 125	127818417
Gamma-BHC(Lindane)	48.7	50.0	ug/L	97.4	75.0 - 125	127818427
Heptachlor	51.0	50.0	ug/L	102	75.0 - 125	127818417
Heptachlor	51.3	50.0	ug/L	103	75.0 - 125	127818427
Heptachlor epoxide	49.7	50.0	ug/L	99.4	75.0 - 125	127818417
Heptachlor epoxide	52.2	50.0	ug/L	104	75.0 - 125	127818427

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
4,4-DDD	1184241	63.2	63.1	100	31.0 - 141	63.2	63.1	ug/L	0.158	39.0
4,4-DDE	1184241	55.6	52.8	100	30.0 - 145	55.6	52.8	ug/L	5.17	35.0
4,4-DDT	1184241	62.0	64.1	100	25.0 - 160	62.0	64.1	ug/L	3.33	42.0
Aldrin	1184241	43.1	38.3	100	42.0 - 140	43.1	38.3 *	ug/L	11.8	35.0
Alpha-BHC(hexachlorocyclohexane)	1184241	58.1	48.1	100	37.0 - 140	58.1	48.1	ug/L	18.8	36.0
Beta-BHC(hexachlorocyclohexane)	1184241	55.5	50.8	100	17.0 - 147	55.5	50.8	ug/L	8.84	44.0
Delta-BHC(hexachlorocyclohexane)	1184241	58.6	54.2	100	19.0 - 140	58.6	54.2	ug/L	7.80	52.0
Dieldrin	1184241	57.5	54.5	100	36.0 - 146	57.5	54.5	ug/L	5.36	49.0
Endosulfan I (alpha)	1184241	59.8	54.1	100	45.0 - 153	59.8	54.1	ug/L	10.0	28.0
Endosulfan II (beta)	1184241	57.4	56.3	100	0.100 - 202	57.4	56.3	ug/L	1.93	53.0
Endosulfan sulfate	1184241	57.9	58.0	100	26.0 - 144	57.9	58.0	ug/L	0.173	38.0
Endrin	1184241	63.9	58.7	100	30.0 - 147	63.9	58.7	ug/L	8.48	48.0
Endrin aldehyde	1184241	59.8	59.2	100	37.6 - 158	59.8	59.2	ug/L	1.01	30.0
Gamma-BHC(Lindane)	1184241	55.7	49.9	100	32.0 - 140	55.7	49.9	ug/L	11.0	39.0
Heptachlor	1184241	46.2	43.4	100	34.0 - 140	46.2	43.4	ug/L	6.25	43.0
Heptachlor epoxide	1184241	55.8	49.7	100	37.0 - 142	55.8	49.7	ug/L	11.6	26.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl		CCV	49.3	100	ug/L	49.3	0.100 - 144	127818417
Decachlorobiphenyl		CCV	45.8	100	ug/L	45.8	0.100 - 144	127818427
Tetrachloro-m-Xylene (Surr)		CCV	46.4	100	ug/L	46.4	0.100 - 107	127818417
Tetrachloro-m-Xylene (Surr)		CCV	45.3	100	ug/L	45.3	0.100 - 107	127818427
Decachlorobiphenyl	1184241	Blank	59.0	100	ug/L	59.0	0.100 - 144	127818418
Decachlorobiphenyl	1184241	LCS	57.8	100	ug/L	57.8	0.100 - 144	127818419
Decachlorobiphenyl	1184241	LCS Dup	50.4	100	ug/L	50.4	0.100 - 144	127818420
Tetrachloro-m-Xylene (Surr)	1184241	Blank	45.9	100	ug/L	45.9	0.100 - 107	127818418
Tetrachloro-m-Xylene (Surr)	1184241	LCS	37.2	100	ug/L	37.2	0.100 - 107	127818419
Tetrachloro-m-Xylene (Surr)	1184241	LCS Dup	29.3	100	ug/L	29.3	0.100 - 107	127818420
Decachlorobiphenyl	2426187	Unknown	0.0462	0.0951	ug/L	48.6	0.100 - 144	127818423
Tetrachloro-m-Xylene (Surr)	2426187	Unknown	0.0371	0.0951	ug/L	39.0	0.100 - 107	127818423

Analytical Set 1184996

EPA 622

Blank

Parameter	PrepSet	Reading	MDL	MDL	Units	File
Chlorpyrifos	1184246	ND	0.0672	40.0	ug/L	127826757

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chlorpyrifos	1020	1000	ug/L	102	48.0 - 150	127826756
Chlorpyrifos	801	1000	ug/L	80.1	48.0 - 150	127826763

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chlorpyrifos	1184246	464	465	1000	0.100 - 128	464	46.5	ug/L	0.215	30.0

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Surrogate								
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Tributylphosphate		CCV	1020	1000	ug/L	102	0.100 - 115	127826756
Tributylphosphate		CCV	868	1000	ug/L	86.8	0.100 - 115	127826763
Triphenylphosphate		CCV	1000	1000	ug/L	100	0.100 - 115	127826756
Triphenylphosphate		CCV	1330	1000	ug/L	133 *	0.100 - 115	127826763
Tributylphosphate	1184246	Blank	425	1000	ug/L	42.5	0.100 - 115	127826757
Tributylphosphate	1184246	LCS	464	1000	ug/L	46.4	0.100 - 115	127826758
Tributylphosphate	1184246	LCS Dup	497	1000	ug/L	49.7	0.100 - 115	127826759
Triphenylphosphate	1184246	Blank	467	1000	ug/L	46.7	0.100 - 115	127826757
Triphenylphosphate	1184246	LCS	466	1000	ug/L	46.6	0.100 - 115	127826758
Triphenylphosphate	1184246	LCS Dup	472	1000	ug/L	47.2	0.100 - 115	127826759
Tributylphosphate	2426187	Unknown	0.423	0.951	ug/L	44.5	0.100 - 115	127826762
Triphenylphosphate	2426187	Unknown	0.569	0.951	ug/L	59.8	0.100 - 115	127826762

Analytical Set

1184999

EPA 614

Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
Azinphos-methyl (Guthion)	1184246	ND	38.0	50.0	ug/L	127826790
Demeton	1184246	ND	24.1	50.0	ug/L	127826790
Diazinon	1184246	ND	9.64	50.0	ug/L	127826790
Malathion	1184246	ND	18.9	50.0	ug/L	127826790
Parathion, ethyl	1184246	ND	15.8	50.0	ug/L	127826790
Parathion, methyl	1184246	ND	18.5	40.0	ug/L	127826790

CCV						
Parameter	Reading	Known	Units	Recover%	Limits%	File
Azinphos-methyl (Guthion)	1020	1000	ug/L	102	37.5 - 164	127826789
Demeton	1010	1000	ug/L	101	58.6 - 150	127826789
Demeton	865	1000	ug/L	86.5	58.6 - 150	127826796
Diazinon	1020	1000	ug/L	102	65.4 - 138	127826789
Diazinon	880	1000	ug/L	88.0	65.4 - 138	127826796
Malathion	1000	1000	ug/L	100	49.5 - 160	127826789
Malathion	423	1000	ug/L	42.3	49.5 - 160 *	127826796
Parathion, ethyl	1010	1000	ug/L	101	56.0 - 142	127826789
Parathion, ethyl	766	1000	ug/L	76.6	56.0 - 142	127826796
Parathion, methyl	998	1000	ug/L	99.8	12.6 - 194	127826789
Parathion, methyl	78.4	1000	ug/L	7.84	12.6 - 194 *	127826796

LCS Dup										
Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Azinphos-methyl (Guthion)	1184246	463	467	1000	0.100 - 155	46.3	46.7	ug/L	0.860	30.0
Demeton	1184246	288	287	1000	0.100 - 109	28.8	28.7	ug/L	0.348	30.0
Diazinon	1184246	470	472	1000	0.100 - 125	47.0	47.2	ug/L	0.425	30.0
Malathion	1184246	414	424	1000	0.100 - 130	41.4	42.4	ug/L	2.39	30.0
Parathion, ethyl	1184246	427	431	1000	0.100 - 122	42.7	43.1	ug/L	0.932	30.0
Parathion, methyl	1184246	427	437	1000	0.100 - 131	42.7	43.7	ug/L	2.31	30.0

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Surrogate								
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Tributylphosphate		CCV	1020	2000	ug/L	51.0	0.100 - 106	127826789
Tributylphosphate		CCV	868	2000	ug/L	43.4	0.100 - 106	127826796
Triphenylphosphate		CCV	1000	2000	ug/L	50.0	0.100 - 172	127826789
Triphenylphosphate		CCV	1330	2000	ug/L	66.5	0.100 - 172	127826796
Tributylphosphate	1184246	Blank	425	2000	ug/L	21.2	0.100 - 106	127826790
Tributylphosphate	1184246	LCS	464	2000	ug/L	23.2	0.100 - 106	127826791
Tributylphosphate	1184246	LCS Dup	497	2000	ug/L	24.8	0.100 - 106	127826792
Triphenylphosphate	1184246	Blank	467	2000	ug/L	23.4	0.100 - 172	127826790
Triphenylphosphate	1184246	LCS	466	2000	ug/L	23.3	0.100 - 172	127826791
Triphenylphosphate	1184246	LCS Dup	472	2000	ug/L	23.6	0.100 - 172	127826792
Tributylphosphate	2426187	Unknown	0.423	1.90	ug/L	22.3	0.100 - 106	127826795
Triphenylphosphate	2426187	Unknown	0.569	1.90	ug/L	29.9	0.100 - 172	127826795

Analytical Set

1185103

EPA 608.3

Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
PCB-1016	1184249	ND	18.7	20.0	ug/L	127829535
PCB-1221	1184249	ND	0.0143	0.020	ug/L	127829535
PCB-1232	1184249	ND	0.0143	0.020	ug/L	127829535
PCB-1242	1184249	ND	0.0192	0.020	ug/L	127829535
PCB-1248	1184249	ND	0.0143	0.020	ug/L	127829535
PCB-1254	1184249	ND	0.0143	0.020	ug/L	127829535
PCB-1260	1184249	ND	19.0	20.0	ug/L	127829535

CCV						
Parameter	Reading	Known	Units	Recover%	Limits%	File
PCB-1016	1150	1000	ug/L	115	80.0 - 115	127829534
PCB-1016	1040	1000	ug/L	104	80.0 - 115	127829546
PCB-1260	1150	1000	ug/L	115	80.0 - 115	127829534
PCB-1260	1080	1000	ug/L	108	80.0 - 115	127829546

LCS Dup									
Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD
PCB-1016	1184249	549	512	1000	39.8 - 135	54.9	51.2	ug/L	6.97
PCB-1260	1184249	515	558	1000	36.1 - 134	51.5	55.8	ug/L	8.01

Surrogate								
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	1184249	Blank	59.0	100	ug/L	59.0	10.0 - 200	127829535
Tetrachloro-m-Xylene (Surr)	1184249	Blank	45.9	100	ug/L	45.9	10.0 - 200	127829535
Decachlorobiphenyl	2426187	Unknown	0.0462	0.0951	ug/L	48.6	10.0 - 200	127829543
Tetrachloro-m-Xylene (Surr)	2426187	Unknown	0.0371	0.0951	ug/L	39.0	10.0 - 200	127829543

Analytical Set

1185589

EPA 614

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Azinphos-methyl (Guthion)	1040	1000	ug/L	104	37.5 - 164	127839418
Azinphos-methyl (Guthion)	1400	1000	ug/L	140	37.5 - 164	127839425
Azinphos-methyl (Guthion)	1710	1000	ug/L	171	37.5 - 164	127839429
Demeton	1040	1000	ug/L	104	58.6 - 150	127839418
Demeton	1050	1000	ug/L	105	58.6 - 150	127839425
Demeton	1170	1000	ug/L	117	58.6 - 150	127839429
Diazinon	1040	1000	ug/L	104	65.4 - 138	127839418
Diazinon	1030	1000	ug/L	103	65.4 - 138	127839425
Diazinon	1150	1000	ug/L	115	65.4 - 138	127839429
Malathion	1070	1000	ug/L	107	49.5 - 160	127839418
Malathion	1150	1000	ug/L	115	49.5 - 160	127839425
Malathion	1320	1000	ug/L	132	49.5 - 160	127839429
Parathion, ethyl	1030	1000	ug/L	103	56.0 - 142	127839418
Parathion, ethyl	994	1000	ug/L	99.4	56.0 - 142	127839425
Parathion, ethyl	1120	1000	ug/L	112	56.0 - 142	127839429
Parathion, methyl	1070	1000	ug/L	107	12.6 - 194	127839418
Parathion, methyl	1130	1000	ug/L	113	12.6 - 194	127839425
Parathion, methyl	1260	1000	ug/L	126	12.6 - 194	127839429

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Tributylphosphate		CCV	1050	2000	ug/L	52.5	0.100 - 106	127839418
Tributylphosphate		CCV	1050	2000	ug/L	52.5	0.100 - 106	127839425
Tributylphosphate		CCV	1150	2000	ug/L	57.5	0.100 - 106	127839429
Triphenylphosphate		CCV	1030	2000	ug/L	51.5	0.100 - 172	127839418
Triphenylphosphate		CCV	1080	2000	ug/L	54.0	0.100 - 172	127839425
Triphenylphosphate		CCV	1270	2000	ug/L	63.5	0.100 - 172	127839429
Tributylphosphate	2426187	Unknown	0.420	1.90	ug/L	22.1	0.100 - 106	127839426
Triphenylphosphate	2426187	Unknown	0.425	1.90	ug/L	22.4	0.100 - 172	127839426

Analytical Set

1186036

EPA 625.1

Blank

Parameter	PrepSet	Reading	MDL	MDL	Units	File
1,2,4,5-Tetrachlorobenzene	1184691	ND	0.742	1.00	ug/L	127850332
1,2,4-Trichlorobenzene	1184691	ND	0.644	1.00	ug/L	127850332
1,2-Dichlorobenzene	1184691	ND	0.687	1.00	ug/L	127850332
1,2-DPH (as azobenzene)	1184691	ND	0.669	1.00	ug/L	127850332
1,3-Dichlorobenzene	1184691	ND	0.663	1.00	ug/L	127850332
1,4-Dichlorobenzene	1184691	ND	0.672	1.00	ug/L	127850332
2,4,5-Trichlorophenol	1184691	ND	0.609	1.00	ug/L	127850332
2,4,6-Trichlorophenol	1184691	ND	0.793	1.00	ug/L	127850332
2,4-Dichlorophenol	1184691	ND	0.766	1.00	ug/L	127850332
2,4-Dimethylphenol	1184691	ND	6.92	7.00	ug/L	127850332
2,4-Dinitrophenol	1184691	ND	0.537	1.00	ug/L	127850332
2,4-Dinitrotoluene	1184691	ND	0.556	1.00	ug/L	127850332

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
2,6-Dinitrotoluene	1184691	ND	0.531	1.00	ug/L	127850332
2-Chloronaphthalene	1184691	ND	0.757	1.00	ug/L	127850332
2-Chlorophenol	1184691	ND	0.819	1.00	ug/L	127850332
2-Methylphenol (o-Cresol)	1184691	ND	2.21	3.00	ug/L	127850332
2-Nitrophenol	1184691	ND	0.562	1.00	ug/L	127850332
3&4-Methylphenol (m&p-Cresol)	1184691	ND	2.23	3.00	ug/L	127850332
3,3'-Dichlorobenzidine	1184691	ND	0.972	1.00	ug/L	127850332
4,6-Dinitro-2-methylphenol	1184691	ND	0.323	1.00	ug/L	127850332
4-Bromophenyl phenyl ether	1184691	ND	0.672	1.00	ug/L	127850332
4-Chlorophenyl phenyl ether	1184691	ND	0.664	1.00	ug/L	127850332
4-Nitrophenol	1184691	ND	0.233	1.00	ug/L	127850332
Acenaphthene	1184691	ND	0.696	1.00	ug/L	127850332
Acenaphthylene	1184691	ND	0.652	1.00	ug/L	127850332
Aniline	1184691	ND	1.88	2.00	ug/L	127850332
Anthracene	1184691	ND	0.665	1.00	ug/L	127850332
Benzidine	1184691	ND	0.938	1.00	ug/L	127850332
Benzo(a)anthracene	1184691	ND	0.579	1.00	ug/L	127850332
Benzo(a)pyrene	1184691	ND	0.472	1.00	ug/L	127850332
Benzo(b)fluoranthene	1184691	ND	0.538	1.00	ug/L	127850332
Benzo(ghi)perylene	1184691	ND	0.700	1.00	ug/L	127850332
Benzo(k)fluoranthene	1184691	ND	0.554	1.00	ug/L	127850332
Benzyl Butyl phthalate	1184691	1.56	0.688	1.00	ug/L	127850332
Bis(2-chloroethoxy)methane	1184691	ND	0.694	1.00	ug/L	127850332
Bis(2-chloroethyl)ether	1184691	ND	0.839	1.00	ug/L	127850332
Bis(2-chloroisopropyl)ether	1184691	ND	0.720	1.00	ug/L	127850332
Bis(2-ethylhexyl)phthalate	1184691	ND	1.63	2.00	ug/L	127850332
Chrysene (Benzo(a)phenanthrene)	1184691	ND	0.573	1.00	ug/L	127850332
Dibenz(a,h)anthracene	1184691	ND	0.657	1.00	ug/L	127850332
Diethyl phthalate	1184691	ND	0.622	1.00	ug/L	127850332
Dimethyl phthalate	1184691	ND	0.583	1.00	ug/L	127850332
Di-n-butylphthalate	1184691	ND	0.897	1.00	ug/L	127850332
Di-n-octylphthalate	1184691	ND	0.402	1.00	ug/L	127850332
Fluoranthene(Benzo(j,k)fluorene)	1184691	ND	0.829	1.00	ug/L	127850332
Fluorene	1184691	ND	0.651	1.00	ug/L	127850332
Hexachlorobenzene	1184691	ND	0.631	1.00	ug/L	127850332
Hexachlorobutadiene	1184691	ND	0.629	1.00	ug/L	127850332
Hexachlorocyclopentadiene	1184691	ND	0.554	1.00	ug/L	127850332
Hexachloroethane	1184691	ND	0.648	1.00	ug/L	127850332
Indeno(1,2,3-cd)pyrene	1184691	ND	0.664	1.00	ug/L	127850332
Isophorone	1184691	ND	0.641	1.00	ug/L	127850332
Naphthalene	1184691	ND	0.678	1.00	ug/L	127850332
Nitrobenzene	1184691	ND	0.694	1.00	ug/L	127850332
n-Nitrosodiethylamine	1184691	ND	1.61	2.00	ug/L	127850332
N-Nitrosodimethylamine	1184691	ND	1.19	2.00	ug/L	127850332
n-Nitroso-di-n-butylamine	1184691	ND	0.591	1.00	ug/L	127850332

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
N-Nitrosodi-n-propylamine	1184691	ND	0.664	1.00	ug/L	127850332
N-Nitrosodiphenylamine (as DPA	1184691	ND	0.858	1.00	ug/L	127850332
p-Chloro-m-Cresol (4-Chloro-3-me	1184691	ND	0.985	1.00	ug/L	127850332
Pentachlorobenzene	1184691	ND	0.740	1.00	ug/L	127850332
Pentachlorophenol	1184691	ND	0.522	1.00	ug/L	127850332
Phenanthrene	1184691	ND	0.625	1.00	ug/L	127850332
Phenol	1184691	ND	0.441	1.00	ug/L	127850332
Pyrene	1184691	ND	0.409	1.00	ug/L	127850332
Pyridine	1184691	ND	0.210	1.00	ug/L	127850332

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
1,2,4,5-Tetrachlorobenzene	43900	50000	ug/L	87.8	60.0 - 140	127850331
1,2,4-Trichlorobenzene	63600	50000	ug/L	127	61.0 - 130	127850331
1,2-Dichlorobenzene	50500	50000	ug/L	101	60.0 - 140	127850331
1,2-DPH (as azobenzene)	48100	50000	ug/L	96.2	60.0 - 140	127850331
1,3-Dichlorobenzene	51000	50000	ug/L	102	60.0 - 140	127850331
1,4-Dichlorobenzene	49200	50000	ug/L	98.4	60.0 - 140	127850331
2,4,5-Trichlorophenol	46200	50000	ug/L	92.4	69.0 - 130	127850331
2,4,6-Trichlorophenol	43200	50000	ug/L	86.4	69.0 - 130	127850331
2,4-Dichlorophenol	63700	50000	ug/L	127	64.0 - 130	127850331
2,4-Dimethylphenol	51200	50000	ug/L	102	58.0 - 130	127850331
2,4-Dinitrophenol	57200	50000	ug/L	114	39.0 - 173	127850331
2,4-Dinitrotoluene	55700	50000	ug/L	111	53.0 - 130	127850331
2,6-Dinitrotoluene	52800	50000	ug/L	106	68.0 - 137	127850331
2-Chloronaphthalene	41300	50000	ug/L	82.6	70.0 - 130	127850331
2-Chlorophenol	45000	50000	ug/L	90.0	55.0 - 130	127850331
2-Methylphenol (o-Cresol)	42600	50000	ug/L	85.2	60.0 - 140	127850331
2-Nitrophenol	54500	50000	ug/L	109	61.0 - 163	127850331
3&4-Methylphenol (m&p-Cresol)	47500	50000	ug/L	95.0	60.0 - 140	127850331
3,3'-Dichlorobenzidine	54100	50000	ug/L	108	18.0 - 213	127850331
4,6-Dinitro-2-methylphenol	47400	50000	ug/L	94.8	56.0 - 130	127850331
4-Bromophenyl phenyl ether	54100	50000	ug/L	108	70.0 - 130	127850331
4-Chlorophenyl phenyl ethe	58900	50000	ug/L	118	57.0 - 145	127850331
4-Nitrophenol	39400	50000	ug/L	78.8	35.0 - 135	127850331
Acenaphthene	50300	50000	ug/L	101	70.0 - 130	127850331
Acenaphthylene	53000	50000	ug/L	106	60.0 - 130	127850331
Aniline	35800	50000	ug/L	71.6	60.0 - 140	127850331
Anthracene	52600	50000	ug/L	105	58.0 - 130	127850331
Benzdine	39000	50000	ug/L	78.0	20.0 - 180	127850331
Benzo(a)anthracene	57300	50000	ug/L	115	42.0 - 133	127850331
Benzo(a)pyrene	52400	50000	ug/L	105	32.0 - 148	127850331
Benzo(b)fluoranthene	46900	50000	ug/L	93.8	42.0 - 140	127850331
Benzo(ghi)perylene	55600	50000	ug/L	111	13.0 - 195	127850331
Benzo(k)fluoranthene	53100	50000	ug/L	106	25.0 - 146	127850331

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QUALITY CONTROL



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PABA-N

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Project

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Benzyl Butyl phthalate	57400	50000	ug/L	115	43.0 - 140	127850331
Bis(2-chloroethoxy)methane	52000	50000	ug/L	104	52.0 - 164	127850331
Bis(2-chloroethyl)ether	35100	50000	ug/L	70.2	52.0 - 130	127850331
Bis(2-chloroisopropyl)ether	34900	50000	ug/L	69.8	63.0 - 139	127850331
Bis(2-ethylhexyl)phthalate	61500	50000	ug/L	123	43.0 - 137	127850331
Chrysene (Benzo(a)phenanthrene)	53600	50000	ug/L	107	44.0 - 140	127850331
Dibenz(a,h)anthracene	54600	50000	ug/L	109	13.0 - 200	127850331
Diethyl phthalate	64300	50000	ug/L	129	47.0 - 130	127850331
Dimethyl phthalate	58700	50000	ug/L	117	50.0 - 130	127850331
Di-n-butylphthalate	52900	50000	ug/L	106	52.0 - 130	127850331
Di-n-octylphthalate	59400	50000	ug/L	119	21.0 - 132	127850331
Fluoranthene(Benzo(j,k)fluorene)	57400	50000	ug/L	115	47.0 - 130	127850331
Fluorene	58600	50000	ug/L	117	70.0 - 130	127850331
Hexachlorobenzene	59100	50000	ug/L	118	38.0 - 142	127850331
Hexachlorobutadiene	75600	50000	ug/L	151	68.0 - 130 *	127850331
Hexachlorocyclopentadiene	36900	50000	ug/L	73.8	60.0 - 140	127850331
Hexachloroethane	52000	50000	ug/L	104	55.0 - 130	127850331
Indeno(1,2,3-cd)pyrene	53100	50000	ug/L	106	13.0 - 151	127850331
Isophorone	64900	50000	ug/L	130	52.0 - 180	127850331
Naphthalene	59400	50000	ug/L	119	70.0 - 130	127850331
Nitrobenzene	53300	50000	ug/L	107	54.0 - 158	127850331
n-Nitrosodiethylamine	49200	50000	ug/L	98.4	60.0 - 140	127850331
N-Nitrosodimethylamine	60000	50000	ug/L	120	60.0 - 140	127850331
n-Nitroso-di-n-butylamine	65500	50000	ug/L	131	60.0 - 140	127850331
N-Nitrosodi-n-propylamine	48200	50000	ug/L	96.4	59.0 - 170	127850331
N-Nitrosodiphenylamine (as DPA	51000	50000	ug/L	102	60.0 - 140	127850331
p-Chloro-m-Cresol (4-Chloro-3-me	63800	50000	ug/L	128	68.0 - 130	127850331
Pentachlorobenzene	56800	50000	ug/L	114	60.0 - 140	127850331
Pentachlorophenol	47000	50000	ug/L	94.0	42.0 - 152	127850331
Phenanthrene	49800	50000	ug/L	99.6	67.0 - 130	127850331
Phenol	39300	50000	ug/L	78.6	48.0 - 130	127850331
Pyrene	52400	50000	ug/L	105	70.0 - 130	127850331
Pyridine	51200	50000	ug/L	102	60.0 - 140	127850331

DFTPP

<i>Parameter</i>		<i>RefMass</i>	<i>Reading</i>	<i>%</i>	<i>Limits%</i>	<i>File</i>
DFTPP Mass 127	632669	198	43490	54.4	40.0 - 60.0	127850330
DFTPP Mass 197	632669	198	0	0.0	0 - 1.00	127850330
DFTPP Mass 198	632669	198	79938	100.0	100 - 100	127850330
DFTPP Mass 199	632669	198	5551	6.9	5.00 - 9.00	127850330
DFTPP Mass 275	632669	198	23587	29.5	10.0 - 30.0	127850330
DFTPP Mass 365	632669	198	4548	5.7	1.00 - 100	127850330
DFTPP Mass 441	632669	443	8514	74.1	0 - 100	127850330
DFTPP Mass 442	632669	198	58562	73.3	40.0 - 100	127850330
DFTPP Mass 443	632669	442	11487	19.6	17.0 - 23.0	127850330

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DFTPP

<u>Parameter</u>		<u>RefMass</u>	<u>Reading</u>	<u>%</u>	<u>Limits%</u>	<u>File</u>
DFTPP Mass 51	632669	198	32416	40.6	30.0 - 60.0	127850330
DFTPP Mass 68	632669	69.0	425	1.3	0 - 2.00	127850330
DFTPP Mass 69	632669	198	32153	40.2	0 - 100	127850330
DFTPP Mass 70	632669	69.0	180	0.6	0 - 2.00	127850330

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,2,4,5-Tetrachlorobenzene	1184691	12.4	17.5	25.0	27.5 - 85.5	49.6	70.0	ug/L	34.1	50.0
1,2,4-Trichlorobenzene	1184691	11.0	12.4	25.0	44.0 - 142	44.0	49.6	ug/L	12.0	50.0
1,2-Dichlorobenzene	1184691	10.6	11.1	25.0	23.0 - 81.8	42.4	44.4	ug/L	4.61	50.0
1,2-DPH (as azobenzene)	1184691	19.2	20.1	25.0	12.6 - 110	76.8	80.4	ug/L	4.58	50.0
1,3-Dichlorobenzene	1184691	9.35	10.0	25.0	21.1 - 80.5	37.4	40.0	ug/L	6.72	50.0
1,4-Dichlorobenzene	1184691	9.54	10.4	25.0	21.4 - 76.9	38.2	41.6	ug/L	8.52	50.0
2,4,5-Trichlorophenol	1184691	19.0	24.7	25.0	51.3 - 109	76.0	98.8	ug/L	26.1	50.0
2,4,6-Trichlorophenol	1184691	18.9	24.1	25.0	37.0 - 144	75.6	96.4	ug/L	24.2	58.0
2,4-Dichlorophenol	1184691	21.4	20.8	25.0	39.0 - 135	85.6	83.2	ug/L	2.84	50.0
2,4-Dimethylphenol	1184691	6.48	7.32	25.0	32.0 - 120	25.9 *	29.3 *	ug/L	12.3	68.0
2,4-Dinitrophenol	1184691	22.8	26.6	25.0	0.100 - 191	91.2	106	ug/L	15.0	132
2,4-Dinitrotoluene	1184691	23.3	24.6	25.0	39.0 - 139	93.2	98.4	ug/L	5.43	42.0
2,6-Dinitrotoluene	1184691	23.5	28.7	25.0	50.0 - 158	94.0	115	ug/L	20.1	48.0
2-Chloronaphthalene	1184691	15.4	21.2	25.0	60.0 - 120	61.6	84.8	ug/L	31.7 *	24.0
2-Chlorophenol	1184691	17.7	16.5	25.0	23.0 - 134	70.8	66.0	ug/L	7.02	61.0
2-Methylphenol (o-Cresol)	1184691	14.8	13.8	25.0	38.9 - 76.1	59.2	55.2	ug/L	6.99	50.0
2-Nitrophenol	1184691	18.4	17.8	25.0	29.0 - 182	73.6	71.2	ug/L	3.31	55.0
3&4-Methylphenol (m&p-Cresol)	1184691	13.9	11.8	25.0	33.0 - 70.4	55.6	47.2	ug/L	16.3	50.0
3,3'-Dichlorobenzidine	1184691	16.8	22.9	25.0	0.100 - 262	67.2	91.6	ug/L	30.7	108
4,6-Dinitro-2-methylphenol	1184691	20.2	20.9	25.0	0.100 - 181	80.8	83.6	ug/L	3.41	203
4-Bromophenyl phenyl ether	1184691	21.8	22.8	25.0	53.0 - 127	87.2	91.2	ug/L	4.48	43.0
4-Chlorophenyl phenyl ether	1184691	21.8	23.0	25.0	25.0 - 158	87.2	92.0	ug/L	5.36	61.0
4-Nitrophenol	1184691	8.61	8.61	25.0	0.100 - 132	34.4	34.4	ug/L	0	131
Acenaphthene	1184691	19.0	19.8	25.0	47.0 - 145	76.0	79.2	ug/L	4.12	48.0
Acenaphthylene	1184691	20.4	26.1	25.0	33.0 - 145	81.6	104	ug/L	24.1	74.0
Aniline	1184691	15.3	13.7	25.0	70.0 - 130	61.2 *	54.8 *	ug/L	11.0	50.0
Anthracene	1184691	22.7	22.5	25.0	27.0 - 133	90.8	90.0	ug/L	0.885	66.0
Benzidine	1184691	2.41	2.82	25.0	0.100 - 36.9	9.64	11.3	ug/L	15.9	90.0
Benzo(a)anthracene	1184691	23.0	22.7	25.0	33.0 - 143	92.0	90.8	ug/L	1.31	53.0
Benzo(a)pyrene	1184691	21.5	21.0	25.0	17.0 - 163	86.0	84.0	ug/L	2.35	72.0
Benzo(b)fluoranthene	1184691	21.1	18.5	25.0	24.0 - 159	84.4	74.0	ug/L	13.1	71.0
Benzo(ghi)perylene	1184691	19.4	21.3	25.0	0.100 - 219	77.6	85.2	ug/L	9.34	97.0
Benzo(k)fluoranthene	1184691	22.4	22.8	25.0	11.0 - 162	89.6	91.2	ug/L	1.77	63.0
Benzyl Butyl phthalate	1184691	22.1	21.0	25.0	0.100 - 152	88.4	84.0	ug/L	5.10	60.0
Bis(2-chloroethoxy)methane	1184691	18.7	18.1	25.0	33.0 - 184	74.8	72.4	ug/L	3.26	54.0
Bis(2-chloroethyl)ether	1184691	15.9	15.2	25.0	12.0 - 158	63.6	60.8	ug/L	4.50	108
Bis(2-chloroisopropyl)ether	1184691	13.6	13.1	25.0	36.0 - 166	54.4	52.4	ug/L	3.75	76.0
Bis(2-ethylhexyl)phthalate	1184691	22.6	20.2	25.0	8.00 - 158	90.4	80.8	ug/L	11.2	82.0

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chrysene (Benzo(a)phenanthrene)	1184691	22.8	21.7	25.0	17.0 - 168	91.2	86.8	ug/L	4.94	87.0
Dibenz(a,h)anthracene	1184691	19.1	21.0	25.0	0.100 - 227	76.4	84.0	ug/L	9.48	126
Diethyl phthalate	1184691	28.3	26.8	25.0	0.100 - 120	113	107	ug/L	5.45	100
Dimethyl phthalate	1184691	26.2	30.6	25.0	0.100 - 120	105	122 *	ug/L	15.0	183
Di-n-butylphthalate	1184691	24.2	20.6	25.0	1.00 - 120	96.8	82.4	ug/L	16.1	47.0
Di-n-octylphthalate	1184691	23.1	19.7	25.0	4.00 - 146	92.4	78.8	ug/L	15.9	69.0
Fluoranthene(Benzo(j,k)fluorene)	1184691	24.2	20.2	25.0	26.0 - 137	96.8	80.8	ug/L	18.0	66.0
Fluorene	1184691	22.5	23.3	25.0	59.0 - 121	90.0	93.2	ug/L	3.49	38.0
Hexachlorobenzene	1184691	24.0	23.3	25.0	0.100 - 152	96.0	93.2	ug/L	2.96	55.0
Hexachlorobutadiene	1184691	8.52	10.1	25.0	24.0 - 120	34.1	40.4	ug/L	16.9	62.0
Hexachlorocyclopentadiene	1184691	6.94	10.7	25.0	3.97 - 68.7	27.8	42.8	ug/L	42.5	50.0
Hexachloroethane	1184691	7.50	7.33	25.0	40.0 - 120	30.0 *	29.3 *	ug/L	2.36	52.0
Indeno(1,2,3-cd)pyrene	1184691	19.2	20.7	25.0	0.100 - 171	76.8	82.8	ug/L	7.52	99.0
Isophorone	1184691	21.1	19.1	25.0	21.0 - 196	84.4	76.4	ug/L	9.95	93.0
Naphthalene	1184691	15.0	15.5	25.0	21.0 - 133	60.0	62.0	ug/L	3.28	65.0
Nitrobenzene	1184691	19.0	18.4	25.0	35.0 - 180	76.0	73.6	ug/L	3.21	62.0
n-Nitrosodiethylamine	1184691	38.2	36.5	25.0	18.0 - 100	153 *	146 *	ug/L	4.68	50.0
N-Nitrosodimethylamine	1184691	22.0	12.2	25.0	30.2 - 74.9	88.0 *	48.8	ug/L	57.3 *	50.0
n-Nitroso-di-n-butylamine	1184691	23.6	22.3	25.0	48.4 - 98.5	94.4	89.2	ug/L	5.66	50.0
N-Nitrosodi-n-propylamine	1184691	19.5	16.0	25.0	0.100 - 230	78.0	64.0	ug/L	19.7	87.0
N-Nitrosodiphenylamine (as DPA	1184691	20.4	22.8	25.0	49.3 - 94.2	81.6	91.2	ug/L	11.1	50.0
p-Chloro-m-Cresol (4-Chloro-3-me	1184691	21.8	21.1	25.0	22.0 - 147	87.2	84.4	ug/L	3.26	70.0
Pentachlorobenzene	1184691	20.8	21.0	25.0	39.3 - 93.7	83.2	84.0	ug/L	0.957	50.0
Pentachlorophenol	1184691	23.0	22.6	25.0	14.0 - 176	92.0	90.4	ug/L	1.75	86.0
Phenanthrene	1184691	21.8	21.7	25.0	54.0 - 120	87.2	86.8	ug/L	0.460	39.0
Phenol	1184691	7.25	6.53	25.0	5.00 - 120	29.0	26.1	ug/L	10.5	64.0
Pyrene	1184691	23.3	26.9	25.0	52.0 - 120	93.2	108	ug/L	14.7	49.0
Pyridine	1184691	15.6	7.68	25.0	11.2 - 50.6	62.4 *	30.7	ug/L	68.1 *	50.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4,6-Tribromophenol	632703	CCV	63000	100000	ug/L	63.0	10.0 - 150	127850331
2-Fluorophenol-SURR	632703	CCV	80400	100000	ug/L	80.4	10.0 - 150	127850331
4-Terphenyl-d14-SURR	632703	CCV	47500	50000	ug/L	95.0	30.0 - 150	127850331
Nitrobenzene-d5-SURR	632703	CCV	46000	50000	ug/L	92.0	30.0 - 150	127850331
Phenol-d6-SURR	632703	CCV	45400	100000	ug/L	45.4	10.0 - 150	127850331
2,4,6-Tribromophenol	1184691	Blank	61.6	100	ug/L	61.6	10.0 - 150	127850332
2,4,6-Tribromophenol	1184691	LCS	80.2	100	ug/L	80.2	10.0 - 150	127850333
2,4,6-Tribromophenol	1184691	LCS Dup	83.5	100	ug/L	83.5	10.0 - 150	127850334
2-Fluorophenol-SURR	1184691	Blank	29400	100000	ug/L	29.4	10.0 - 150	127850332
2-Fluorophenol-SURR	1184691	LCS	36100	100000	ug/L	36.1	10.0 - 150	127850333
2-Fluorophenol-SURR	1184691	LCS Dup	31600	100000	ug/L	31.6	10.0 - 150	127850334
4-Terphenyl-d14-SURR	1184691	Blank	37400	50000	ug/L	74.8	30.0 - 150	127850332
4-Terphenyl-d14-SURR	1184691	LCS	44800	50000	ug/L	89.6	30.0 - 150	127850333
4-Terphenyl-d14-SURR	1184691	LCS Dup	47800	50000	ug/L	95.6	30.0 - 150	127850334

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Surrogate								
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Nitrobenzene-d5-SURR	1184691	Blank	37400	50000	ug/L	74.8	30.0 - 150	127850332
Nitrobenzene-d5-SURR	1184691	LCS	43200	50000	ug/L	86.4	30.0 - 150	127850333
Nitrobenzene-d5-SURR	1184691	LCS Dup	42800	50000	ug/L	85.6	30.0 - 150	127850334
Phenol-d6-SURR	1184691	Blank	23200	100000	ug/L	23.2	10.0 - 150	127850332
Phenol-d6-SURR	1184691	LCS	27200	100000	ug/L	27.2	10.0 - 150	127850333
Phenol-d6-SURR	1184691	LCS Dup	24300	100000	ug/L	24.3	10.0 - 150	127850334
2,4,6-Tribromophenol	2426187	Unknown	69.8	95.2	ug/L	73.3	10.0 - 150	127850335
2-Fluorophenol-SURR	2426187	Unknown	28.9	95.2	ug/L	30.4	10.0 - 150	127850335
4-Terphenyl-d14-SURR	2426187	Unknown	42.9	47.6	ug/L	90.1	30.0 - 150	127850335
Nitrobenzene-d5-SURR	2426187	Unknown	34.7	47.6	ug/L	72.9	30.0 - 150	127850335
Phenol-d6-SURR	2426187	Unknown	20.2	95.2	ug/L	21.2	10.0 - 150	127850335

Analytical Set

1187027

EPA 632

Blank						
Parameter	PrepSet	Reading	MDL	MDL	Units	File
Carbaryl (Sevin)	1184236	ND	66.1	2500	ug/L	127873681
Diuron	1184236	ND	44.4	45.0	ug/L	127873681

CCV						
Parameter	Reading	Known	Units	Recover%	Limits%	File
Carbaryl (Sevin)	1080	1000	ug/L	108	70.0 - 130	127873679
Carbaryl (Sevin)	1180	1000	ug/L	118	70.0 - 130	127873680
Carbaryl (Sevin)	1180	1000	ug/L	118	70.0 - 130	127873684
Carbaryl (Sevin)	1210	1000	ug/L	121	70.0 - 130	127873686
Carbaryl (Sevin)	1230	1000	ug/L	123	70.0 - 130	127873690
Diuron	1020	1000	ug/L	102	70.0 - 130	127873679
Diuron	1090	1000	ug/L	109	70.0 - 130	127873680
Diuron	1150	1000	ug/L	115	70.0 - 130	127873684
Diuron	1150	1000	ug/L	115	70.0 - 130	127873686
Diuron	1160	1000	ug/L	116	70.0 - 130	127873690

LCS Dup									
Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD
Carbaryl (Sevin)	1184236	767	683	1000	17.1 - 131	76.7	68.3	ug/L	11.6
Diuron	1184236	852	925	1000	0.100 - 138	85.2	92.5	ug/L	8.22

Analytical Set

1187447

ASTM D7065-17

Blank						
Parameter	PrepSet	Reading	MDL	MDL	Units	File
Nonylphenol	1186725	ND	5.00	30.0	ug/L	127885437

CCV						
Parameter	Reading	Known	Units	Recover%	Limits%	File
Nonylphenol	147000	150000	ug/L	97.8	70.0 - 130	127885436
Nonylphenol	196000	150000	ug/L	131	70.0 - 130 *	127885450

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IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	631654	CCV	166400	166400	83210	249600	127885436	631654
Acenaphthene-d10-ISTD	631654	CCV	132400	166400	83210	249600	127885450	631654
Phenanthrene-d10-ISTD	631654	CCV	299200	299200	149600	448800	127885436	631654
Phenanthrene-d10-ISTD	631654	CCV	269600	299200	149600	448800	127885450	631654
Acenaphthene-d10-ISTD	1186725	Blank	86700	166400	83210	249600	127885437	1186725
Acenaphthene-d10-ISTD	1186725	LCS	108500	166400	83210	249600	127885438	1186725
Acenaphthene-d10-ISTD	1186725	LCS Dup	107700	166400	83210	249600	127885439	1186725
Phenanthrene-d10-ISTD	1186725	Blank	155600	299200	149600	448800	127885437	1186725
Phenanthrene-d10-ISTD	1186725	LCS	184100	299200	149600	448800	127885438	1186725
Phenanthrene-d10-ISTD	1186725	LCS Dup	205600	299200	149600	448800	127885439	1186725
Acenaphthene-d10-ISTD	2426187	Unknown	108300	166400	83210	249600	127885440	1186725
Phenanthrene-d10-ISTD	2426187	Unknown	200900	299200	149600	448800	127885440	1186725

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	631654	CCV	7.466	7.466	7.406	7.526	127885436	631654
Acenaphthene-d10-ISTD	631654	CCV	7.465	7.466	7.406	7.526	127885450	631654
Phenanthrene-d10-ISTD	631654	CCV	8.716	8.716	8.656	8.776	127885436	631654
Phenanthrene-d10-ISTD	631654	CCV	8.716	8.716	8.656	8.776	127885450	631654
Acenaphthene-d10-ISTD	1186725	Blank	7.466	7.466	7.406	7.526	127885437	1186725
Acenaphthene-d10-ISTD	1186725	LCS	7.466	7.466	7.406	7.526	127885438	1186725
Acenaphthene-d10-ISTD	1186725	LCS Dup	7.466	7.466	7.406	7.526	127885439	1186725
Phenanthrene-d10-ISTD	1186725	Blank	8.710	8.716	8.656	8.776	127885437	1186725
Phenanthrene-d10-ISTD	1186725	LCS	8.710	8.716	8.656	8.776	127885438	1186725
Phenanthrene-d10-ISTD	1186725	LCS Dup	8.710	8.716	8.656	8.776	127885439	1186725
Acenaphthene-d10-ISTD	2426187	Unknown	7.466	7.466	7.406	7.526	127885440	1186725
Phenanthrene-d10-ISTD	2426187	Unknown	8.710	8.716	8.656	8.776	127885440	1186725

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Nonylphenol	1186725	65.8	113	150	56.0 - 112	43.9 *	75.3	ug/L	52.7 *	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
4-Nonylphenol-SURR	631654	CCV	22800	25000	ug/L	91.2	50.0 - 130	127885436
4-Nonylphenol-SURR	631654	CCV	27700	25000	ug/L	111	50.0 - 130	127885450
4-Nonylphenol-SURR	1186725	Blank	5130	25000	ug/L	20.5 *	50.0 - 130	127885437
4-Nonylphenol-SURR	1186725	LCS	7430	25000	ug/L	29.7 *	50.0 - 130	127885438
4-Nonylphenol-SURR	1186725	LCS Dup	13900	25000	ug/L	55.6	50.0 - 130	127885439
4-Nonylphenol-SURR	2426187	Unknown	0.779	23.7	ug/L	3.29 *	50.0 - 130	127885440

Analytical Set

1188022

EPA 604.1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Hexachlorophene	1185208	ND	0.890	2.50	ug/L	127898094

Email: Kilgore.ProjectManagement@spllabs.com



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QUALITY CONTROL



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The Science of Sure

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PABA-N

Pace Analytical Dallas
Jeremy Watkins
400 West Bethany Drive
Suite 190
Allen, TX 75013

Project

1154157

Printed 07/31/2025

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Hexachlorophene	5920	5000	ug/L	118	70.0 - 130	127898093
Hexachlorophene	6280	5000	ug/L	126	70.0 - 130	127898101
Hexachlorophene	6080	5000	ug/L	122	70.0 - 130	127898105
Hexachlorophene	6120	5000	ug/L	122	70.0 - 130	127898113
Hexachlorophene	6130	5000	ug/L	123	70.0 - 130	127898119
Hexachlorophene	6000	5000	ug/L	120	70.0 - 130	127898123
Hexachlorophene	6170	5000	ug/L	123	70.0 - 130	127898130
Hexachlorophene	6240	5000	ug/L	125	70.0 - 130	127898134
Hexachlorophene	6100	5000	ug/L	122	70.0 - 130	127898138
Hexachlorophene	6120	5000	ug/L	122	70.0 - 130	127898142

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Hexachlorophene	1185208	35.3	42.5	50.0	25.5 - 145	70.6	85.0	ug/L	18.5	50.0

Analytical Set

1188118

EPA 615

Blank

Parameter	PrepSet	Reading	MDL	MDL	Units	File
2,4 Dichlorophenoxyacetic acid	1185234	24.3	14.8	50.0	ug/L	127900609
2,4,5-T	1185234	ND	17.1	50.0	ug/L	127900609
2,4,5-TP (Silvex)	1185234	ND	16.5	30.0	ug/L	127900609
Dalapon (dichloropropionic acid)	1185234	ND	48.4	50.0	ug/L	127900609
Dicamba	1185234	ND	25.3	50.0	ug/L	127900609

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
2,4 Dichlorophenoxyacetic acid	144	150	ug/L	95.9	80.0 - 115	127900608
2,4 Dichlorophenoxyacetic acid	127	150	ug/L	84.9	80.0 - 115	127900617
2,4 Dichlorophenoxyacetic acid	146	150	ug/L	97.3	80.0 - 115	127900623
2,4 Dichlorophenoxyacetic acid	144	150	ug/L	96.3	80.0 - 115	127901783
2,4,5-T	154	150	ug/L	103	80.0 - 115	127900608
2,4,5-T	135	150	ug/L	90.3	80.0 - 115	127900617
2,4,5-T	143	150	ug/L	95.1	80.0 - 115	127900623
2,4,5-T	151	150	ug/L	101	80.0 - 115	127901783
2,4,5-TP (Silvex)	149	150	ug/L	99.4	80.0 - 115	127900608
2,4,5-TP (Silvex)	140	150	ug/L	93.5	80.0 - 115	127900617
2,4,5-TP (Silvex)	146	150	ug/L	97.2	80.0 - 115	127900623
2,4,5-TP (Silvex)	150	150	ug/L	99.9	80.0 - 115	127901783
Dalapon (dichloropropionic acid)	141	150	ug/L	94.0	80.0 - 115	127900608
Dalapon (dichloropropionic acid)	148	150	ug/L	98.5	80.0 - 115	127900617
Dalapon (dichloropropionic acid)	161	150	ug/L	107	80.0 - 115	127900623
Dalapon (dichloropropionic acid)	158	150	ug/L	106	80.0 - 115	127901783
Dicamba	150	150	ug/L	99.7	80.0 - 115	127900608
Dicamba	137	150	ug/L	91.4	80.0 - 115	127900617
Dicamba	142	150	ug/L	94.6	80.0 - 115	127900623

Email: Kilgore.ProjectManagement@spilabs.com



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QUALITY CONTROL



SPL
The Science of Sure

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PABA-N

Pace Analytical Dallas
Jeremy Watkins
400 West Bethany Drive
Suite 190
Allen, TX 75013

Project
1154157

Printed 07/31/2025

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Dicamba	148	150	ug/L	98.5	80.0 - 115	127901783

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
2,4-Dichlorophenoxyacetic acid	1185234	99.6	78.3	100	0.100 - 319	99.6	78.3	ug/L	23.9	30.0
2,4,5-T	1185234	170	102	100	2.63 - 202	170	102	ug/L	50.0 *	30.0
2,4,5-TP (Silvex)	1185234	99.9	87.8	100	0.100 - 244	99.9	87.8	ug/L	12.9	30.0
Dalapon (dichloropropionic acid)	1185234	128	102	100	1.00 - 289	128	102	ug/L	22.6	30.0
Dicamba	1185234	105	91.0	100	8.32 - 176	105	91.0	ug/L	14.3	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4-Dichlorophenylacetic Acid		CCV	144	200	ug/L	72.0	0.100 - 313	127900608
2,4-Dichlorophenylacetic Acid		CCV	122	200	ug/L	61.0	0.100 - 313	127900617
2,4-Dichlorophenylacetic Acid		CCV	127	200	ug/L	63.5	0.100 - 313	127900623
2,4-Dichlorophenylacetic Acid		CCV	141	200	ug/L	70.5	0.100 - 313	127901783
2,4-Dichlorophenylacetic Acid	1185234	Blank	120	200	ug/L	60.0	0.100 - 313	127900609
2,4-Dichlorophenylacetic Acid	1185234	LCS	143	200	ug/L	71.5	0.100 - 313	127900610
2,4-Dichlorophenylacetic Acid	1185234	LCS Dup	120	200	ug/L	60.0	0.100 - 313	127900611
2,4-Dichlorophenylacetic Acid	2426187	Unknown	1.22	1.89	ug/L	64.6	0.100 - 313	127900612

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

Recover% is Recovery Percent: $\frac{\text{result}}{\text{known}} * 100\%$

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.); Surrogate - Surrogate (mimics the analyte of interest but is unlikely to be found in environmental samples; added to analytical samples for QC purposes. **ANSI/ASQC E4 1994 Ref #4 TRADE QA Resources Guide.); DFTPP - GC/MS Tuning Compound; IS Areas - Internal Standard Area (The area of the internal standard relative to a check standard. Internal Standard is a known concentration of an analyte(s) that is not a sample component or standard that is added to the sample and standard and is used to measure the relative responses of other analytes in the same sample or standard.); IS RetTime - Internal Standard Retention Time (the time the internal standard comes off the column. Internal Standard is a known concentration of an analyte(s) that is not a sample component or standard that is added to the sample and standard and is used to measure the relative responses of other analytes in the same sample or standard.)

Email: Kilgore.ProjectManagement@spllabs.com



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1154157 CoC Print Group 001 of 001

Sub-Contract Chain of Custody

Batch Date/Time: 07/08/25 16:19
 Sub-Contract Lab: ANALABKTX
 Address: 2600 Dudley Rd
 City/State: Kilgore, TX 75662-3730
 Contact:
 Tayna.Chitwood@spilabs.com
 Owner Lab: PACEATX
 Address: 400 W. Bethany Drive
 Suite 190
 City/State: Allen, TX 75013
 Phone: (972) 727-1123
 Fax:

Pace Analytical
 400 W. Bethany Drive Suite 190
 Allen, TX 75013
 Phone: (972) 727-1123

WO: WG2555458
 Email: Dallas_Sub@pacelabs.com
 Results Due Date: 07/16/25
 ESC Purchase Order #: L1876410
 Send Reports to: Angela Ford

2426187

Sample ID Container ID	Matrix/State	Collect Date	Description	Method	Sample Number Lab Use Only	Sample Comments Lab Use Only
OUTFALL 001 IL-Amb-No Pres - S52341760	WW TX	07/08/25 06:00	604.1 / Hexachlorophene	604.1	1. L1876410-01	Level II / No EDD/ TX cert
IL-Amb-No Pres - S52341761						
IL-Amb-No Pres - S52341768						
OUTFALL 001 IL-Amb-No Pres - S52341762	WW TX	07/08/25 06:00	608 /		2. L1876410-01	Level II / No EDD/ TX cert
IL-Amb-No Pres - S52341763						
IL-Amb-No Pres - S52341768*						
OUTFALL 001 IL-Amb-No Pres - S52341744	WW TX	07/08/25 06:00	614 /	614	3. L1876410-01	Level II / No EDD/ TX cert
IL-Amb-No Pres - S52341768*						
OUTFALL 001 IL-Amb-No Pres - S52341764	WW TX	07/08/25 06:00	615 /	615	4. L1876410-01	Level II / No EDD/ TX cert
IL-Amb-No Pres - S52341768*						
OUTFALL 001 IL-Amb-No Pres - S52341765	WW TX	07/08/25 06:00	617 /	617	5. L1876410-01	Level II / No EDD/ TX cert
IL-Amb-No Pres - S52341768*						
OUTFALL 001 IL-Amb-No Pres - S52341746	WW TX	07/08/25 06:00	EPA 622 Pest /		6. L1876410-01	Level II / No EDD/ TX cert
IL-Amb-No Pres - S52341768*						
OUTFALL 001 IL-Amb-No Pres - S52341768*	WW TX	07/08/25 06:00	632 /	632	7. L1876410-01	Level II / No EDD/ TX cert
IL-Amb-No Pres - S52341770						
OUTFALL 001 IL-Amb-No Pres - S52341766	WW TX	07/08/25 06:00	D7065 /	D7065	8. L1876410-01	Level II / No EDD/ TX cert
IL-Amb-No Pres - S52341768*						
OUTFALL 001 IL-Amb-No Pres - S52341751	WW TX	07/08/25 06:00	SVOCs by 625.1		10. L1876410-01	Level II / No EDD/ TX cert
IL-Amb-No Pres - S52341752						

*= Container used for multiple Samples and/or Analyses

Relinquished by: Km Uh - Pace Date: 7/8/25 17:00
 Received by: FedEx Date: 7/8/25 17:00
 Relinquished by: FedEx Date: 7/9/25 1:03
 Received by: MCC Date: 7/9/25

NOT
sampled

1154157 CoC Print Group 001 of 001

ORIGIN: NEW YORK (972) 23
PAC: PACIFIC
PAC: PACIFIC
400 W. DEERBURY DR. #150
ALLEN, TX 75013
UNITED STATES US

SHIP DATE: 08 JUL 25
ACTWT: 54.60 LB
CAD: 0473589/CAFE3589
BY: SENDER

TO: SAMPLE RECEIVING
ETP 13
10018917642100016882004589892074
SP-ED-1001
342-2592FL
PRIORITY OVERNIGHT
KJ GORE TX
1500 DUNDON RD
AHLA LAB
47563 WED 07/08/25
6156126

FedEx
Express
E

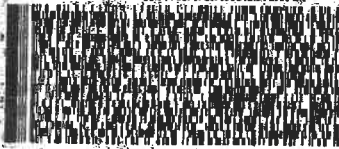
TRK# 4593 8829 7843
0201

46 GGGG

75662
TX-US SHV

7/9/25 1930 mmv
Date Time Tech
Temp: 4.8 / 4.0 C
Therm#: 6205 Corr Fact: -0.2 C

1154157 CoC Print Group 001 of 001

ORIGIN: ID: DNEA (972) 227-1123 PACE ANALYTICAL PACE ANALYTICAL 400 W. BETHANY DR. #190 ALLEN, TX 75013 UNITED STATES US		SHIP DATE: 08 JUL 25 ACTWGT: 55.20 LB CAD: 0473989/CAFE3908 BILL SENDER	
TO: SAMPLE RECEIVING ANA LAB 2600 DUDLEY RD KILGORE TX 75662			
(903) 884-0661 FAX:		REF:	
		4758 WED 07/08/07-45 ANA LAB 2600 DUDLEY RD KILGORE TX 75662-3730-00 342-2592FL PRIORITY OVERNIGHT ETP: 13 1001801761310007060200160398987832 5165126	
TRK/ 4593 8829 7832 0201		PRIORITY OVERNIGHT	
46 GGGA		75662 TX-US SHV	
			
Date: 7/9/05 Time: 1030 mm Tech: C Temp: 7.5/3.3 C Therm#: 6205 Corr Fact: -0.2 C			



ANALYTICAL REPORT

August 12, 2025

City of Bonham

Sample Delivery Group: L1879050
Samples Received: 07/16/2025
Project Number:
Description: Permit Renewal

Report To: Michael Seacat
2501 Seven Oaks Road
Bonham, TX 75418

Entire Report Reviewed By: *Dorothy P Roberts*
Dorothy P Roberts
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical Services, LLC -Dallas

400 W. Bethany Drive Suite 190 Allen, TX 75013 972-727-1123 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

OUTFALL 001 L1879050-02

Collected by
Michael Seacat

Collected date/time
07/16/25 09:35

Received date/time
07/16/25 15:05

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Microbiology by Method 9223B	WG2560860	1	07/16/25 16:06	07/17/25 16:17	SK	Allen, TX

1C

2T

3S

4C

5S

6C

7A

8S

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Dorothy P Roberts
Project Manager

Sample Delivery Group (SDG) Narrative

The Laboratory is not accredited for specific analytes on the associated Sample/Method. These analytes are flagged in the Sample Results section of the report with an asterisk (*).

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
<u>L1879050-02</u>	<u>OUTFALL 001</u>	9223B

OUTFALL 001

Collected date/time: 07/16/25 09:35

SAMPLE RESULTS - 02

L1879050

Microbiology by Method 9223B

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
*Coliform, Total	291		1	07/17/2025 16:17	WG2560860
E.Coli	51.2		1	07/17/2025 16:17	WG2560860

1C

2T

3S

4C

5S

6C

7A

8S

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

SDG	Sample Delivery Group.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.

Qualifier	Description
-----------	-------------

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical Services, LLC -Dallas 400 W. Bethany Drive Suite 190 Allen, TX 75013

Arkansas	88-0647	Kansas	E10388
Florida	E871118	Texas	T104704232-23-39
Iowa	408	Oklahoma	8727
Louisiana	30686		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address:
City of Bonham

2501 Seven Oaks Road
Bonham, TX 75418

Billing Information:
Lance Capehart
514 Chestnut
Bonham, TX 75418

Report to:

Michael Seacat

Email To: mseacat@cityofbonham.org

Project Description:

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: **903-583-4033**

Client Project #
3029400/BONHAM WWTP

Lab Project #
DSCOFBMBTX-WW

Collected by (print):

Site/Facility ID #

P.O. #
11131

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Immediately

Packed on Ice N ___ Y ___

Same Day ___ Five Day ___
Next Day ___ 5 Day (Rad Only) ___
Two Day ___ 10 Day (Rad Only) ___

Date Results Needed

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

No. of Cntrs

OUTFALL 001

Grab

WW

7/16/25

08:00

3

OUTFALL 001

Grab

WW

7/16/25

09:35

2

124 VOLATILE
ALL 9223 MPN E. coli microbiological

Analysis / Container / Preservative

Chain of Custody Page 2 of 5



L1879050-01

Submitting a sample via the chain of custody constitutes acknowledgment and acceptance of the terms and conditions listed below.

SDG # **L1879050**

Table #

Accession: **DSCOFBMBTX**

Template: **T187962**

Prelogin: **P1121287**

PM: **3:55 - Dorothy P. Roberts**

Shipped via: **TX FedEx Priority**

Remarks

Sample # (lab only)

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - Wastewater
DW - Drinking Water
OT - Other

Relinquished by: (Signature)

Date: **7/16/25**

Time: **0940**

Received by: (Signature)

Received for lab by: (Signature)

Date: **7/16/25**

Time: **1505**

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		Document Name:	Sample Condition Upon Receipt	Document No.: F-DAL-C-001-rev.14	Issuing Authority: Pace Dallas Quality Office
		Page 1 of 1		Document Revised: 7/27/20	

☒ Dallas
 ☐ Ft Worth
 ☐ Corpus Christi
 ☐ Austin

Client Name: Benham

Courier: FedEX ☐ UPS ☐ USPS ☐ Client ☐ LSO ☐ PACE ☒ Other: NA

Tracking #: NA

Custody Seal on Cooler/Box: Yes ☐ No ☒

Received on ice: Wet ☐ Blue ☐ No Ice ☒

Receiving Lab 1 Thermometer Used: 52.21

Receiving Lab 2 Thermometer Used: 3.0

Cooler Temp °C: (Recorded) 3.0 (Correction Factor) 40.2 (Actual) 3.2
 Cooler Temp °C: (Recorded) 3.0 (Correction Factor) 40.2 (Actual) 3.2

Temperature should be above freezing to 6°C unless collected same day as receipt in which evidence of cooling is acceptable

Triage Person: Benham

Date: 7/16

Chain of Custody relinquished	Yes ☒ No ☐
Sampler name & signature on COC	Yes ☒ No ☐
Short HT analyses (<72 hrs)	Yes ☒ No ☐

Login Person: SPS

Date: 7/16

Sufficient Volume received	Yes ☒ No ☐
Correct Container used	Yes ☒ No ☐
Container Intact	Yes ☒ No ☐
Sample pH Acceptable	Yes ☒ No ☐ NA ☒
pH Strips:	Yes ☒ No ☐ NA ☒
Residual Chlorine Present	Yes ☒ No ☐ NA ☒
CI Strips:	Yes ☒ No ☐ NA ☒
Sulfide Present	Yes ☒ No ☐ NA ☒
Lead Acetate Strips:	Yes ☒ No ☐ NA ☒
Are soil samples (volatiles, TPH) received in 5035A kits (not applicable to TCLP VOA or PST Program TPH)	Yes ☒ No ☐ NA ☒
Unreserved 5035A soil frozen within 48 hrs	Yes ☒ No ☐ NA ☒
Headspace in VOA (>6mm)	Yes ☒ No ☐ NA ☒
Project sampled in USDA Regulated Area outside of Texas	Yes ☒ No ☐ NA ☒
State Sampled:	Yes ☒ No ☐
Non-Conformance(s):	Yes ☒ No ☐

Labeling Person (if different than log-in):

Date:

Project
1155250

PAJL-A

Pace Analytical/TN
Craig Cothron
12065 Lebanon Rd
Mt Juliet, TN 37122

Printed 07/28/2025
17:54

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WG2560915

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1155250_r03_03_ProjectResults	SPL Kilgore Project P:1155250 C:PAJL Project Results t:304 PO: L1879050	4
1155250_r03_06_A_ProjectTRRP	SPL Kilgore Project P:1155250 C:PAJL Project TRRP Results Report for Class A	2
1155250_r03_06_O_ProjectTRRP	SPL Kilgore Project P:1155250 C:PAJL Project TRRP Results Report for Class O	4
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2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914



SAMPLE CROSS REFERENCE

Project
1155250

Pace Analytical/TN
Craig Cothron
12065 Lebanon Rd
Mt Juliet, TN 37122

Printed 7/28/2025 Page 1 of 1
WG2560915

Sample	Sample ID	Taken	Time	Received
2429067	OUTFALL 001	07/16/2025	08:00:00	07/17/2025

Bottle 01 Client supplied HCl to pH <2 40 mL vial
Bottle 02 Client supplied HCl to pH <2 40 mL vial
Bottle 03 Client supplied HCl to pH <2 40 mL vial

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 624.1	02	1186298	07/21/2025	1186298	07/21/2025
EPA 624.1	03	1186958	07/24/2025	1186958	07/24/2025

Email: Kilgore.ProjectManagement@spillabs.com

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24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914



PAJL-A

Pace Analytical/TN
Craig Cothron
12065 Lebanon Rd
Mt Juliet, TN 37122

Page 1 of 4

Project

1155250

Printed: 07/28/2025

WG2560915

RESULTS

Sample Results

2429067 OUTFALL 001

Received: 07/17/2025

Non-Potable Water

Collected by: Client
Taken: 07/16/2025

Pace Analytical/TN
08:00:00

PO: L1879050

EPA 624.1

Prepared: 1186298 07/21/2025 16:56:00 Analyzed 1186298 07/21/2025 16:56:00 CCh

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	(MTBE) tert-Butylmethylether	<1.00	ug/L	1.00		1634-04-4	02
NELAC	1,1,1,2-Tetrachloroethane	<1.00	ug/L	1.00		630-20-6	02
NELAC	1,1,1-Trichloroethane	<1.00	ug/L	1.00		71-55-6	02
NELAC	1,1,2,2-Tetrachloroethane	<1.00	ug/L	1.00		79-34-5	02
NELAC	1,1,2-Trichloroethane	<1.00	ug/L	1.00		79-00-5	02
NELAC	1,1-Dichloroethane	<1.00	ug/L	1.00		75-34-3	02
NELAC	1,1-Dichloroethylene	<1.00	ug/L	1.00		75-35-4	02
NELAC	1,1-Dichloropropene	<1.00	ug/L	1.00		563-58-6	02
NELAC	1,2,3-Trichlorobenzene	<1.00	ug/L	1.00		87-61-6	02
NELAC	1,2,3-Trichloropropane	<1.00	ug/L	1.00		96-18-4	02
NELAC	1,2,4-Trichlorobenzene	<1.00	ug/L	1.00		120-82-1	02
NELAC	1,2,4-Trimethylbenzene	<1.00	ug/L	1.00		95-63-6	02
NELAC	1,2-Dibromo-3-chloropropane	<1.00	ug/L	1.00		96-12-8	02
NELAC	1,2-Dibromoethane (EDB)	<1.00	ug/L	1.00		106-93-4	02
NELAC	1,2-Dichloroethane	<1.00	ug/L	1.00		107-06-2	02
NELAC	1,2-Dichloropropane	<1.00	ug/L	1.00		78-87-5	02
NELAC	1,3,5-Trimethylbenzene	<1.00	ug/L	1.00		108-67-8	02
NELAC	1,3-Dichloropropane	<1.00	ug/L	1.00		142-28-9	02
NELAC	2,2-Dichloropropane	<1.00	ug/L	1.00		594-20-7	02
NELAC	2-Chloroethylvinyl ether	<1.00	ug/L	1.00		110-75-8	02
NELAC	2-Chlorotoluene	<1.00	ug/L	1.00		95-49-8	02
NELAC	2-Hexanone	<1.00	ug/L	1.00		591-78-6	02
NELAC	4-Chlorotoluene	<1.00	ug/L	1.00		106-43-4	02
NELAC	Acetone	<5.02	ug/L	5.02		67-64-1	02
NELAC	Acrolein	<2.00	ug/L	2.00	S	107-02-8	02
NELAC	Acrylonitrile	<1.00	ug/L	1.00		107-13-1	02
NELAC	Bromobenzene	<1.00	ug/L	1.00		108-86-1	02
NELAC	Bromochloromethane	<1.00	ug/L	1.00		74-97-5	02
NELAC	Bromoform	<1.00	ug/L	1.00		75-25-2	02



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PAJL-A

Page 2 of 4

Pace Analytical/TN
Craig Cothron
12065 Lebanon Rd
Mt Juliet, TN 37122

Project

1155250

Printed: 07/28/2025

2429067 OUTFALL 001

Received: 07/17/2025

Non-Potable Water

Collected by: Client
Taken: 07/16/2025

Pace Analytical/TN
08:00:00

PO: L1879050

EPA 624.1

Prepared: 1186298 07/21/2025 16:56:00 Analyzed 1186298 07/21/2025 16:56:00 CCH

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Bromomethane (Methyl Bromi	<1.00	ug/L	1.00		74-83-9	02
NELAC	Carbon Tetrachloride	<1.00	ug/L	1.00		56-23-5	02
NELAC	Chlorobenzene	<1.00	ug/L	1.00		108-90-7	02
NELAC	Chloroethane	<1.00	ug/L	1.00		75-00-3	02
NELAC	Chloromethane (Methyl Chloride)	<1.00	ug/L	1.00		74-87-3	02
NELAC	cis-1,2-Dichloroethylene	<1.00	ug/L	1.00		156-59-2	02
NELAC	cis-1,3-Dichloropropene	<1.00	ug/L	1.00		10061-01-5	02
NELAC	Dibromochloromethane	<1.00	ug/L	1.00		124-48-1	02
NELAC	Dibromomethane	<1.00	ug/L	1.00		74-95-3	02
NELAC	Dichlorodifluoromethane	<1.00	ug/L	1.00		75-71-8	02
NELAC	Dichloromethane	<1.00	ug/L	1.00		75-09-2	02
NELAC	Ethylbenzene	<1.00	ug/L	1.00		100-41-4	02
NELAC	Hexachlorobutadiene	<1.00	ug/L	1.00		87-68-3	02
NELAC	Isopropylbenzene (Cumene)	<1.00	ug/L	1.00		98-82-8	02
NELAC	m-Dichlorobenzene (1,3-DCB)	<1.00	ug/L	1.00		541-73-1	02
NELAC	Methyl ethyl ketone (Butanone)	<1.00	ug/L	1.00		78-93-3	02
NELAC	Methyl Isobutyl Ketone	<1.00	ug/L	1.00		108-10-1	02
NELAC	Naphthalene	<1.00	ug/L	1.00		91-20-3	02
NELAC	n-Butylbenzene	<1.00	ug/L	1.00		104-51-8	02
NELAC	n-Propylbenzene	<1.00	ug/L	1.00		103-65-1	02
NELAC	o-Dichlorobenzene (1,2-DCB)	<1.00	ug/L	1.00		95-50-1	02
NELAC	o-Xylene	<1.00	ug/L	1.00		95-47-6	02
NELAC	p-Dichlorobenzene (1,4-DCB)	<1.00	ug/L	1.00		106-46-7	02
NELAC	p-Isopropyltoluene	<1.00	ug/L	1.00		99-87-6	02
NELAC	sec-Butylbenzene	<1.00	ug/L	1.00		135-98-8	02
NELAC	Styrene	<1.00	ug/L	1.00		100-42-5	02
NELAC	tert-Butylbenzene	<1.00	ug/L	1.00		98-06-6	02
NELAC	Tetrachloroethylene	<1.00	ug/L	1.00		127-18-4	02
NELAC	trans-1,2-Dichloroethylene	<1.00	ug/L	1.00		156-60-5	02
NELAC	trans-1,3-Dichloropropene	<1.00	ug/L	1.00		10061-02-6	02
NELAC	Trichloroethylene	<1.00	ug/L	1.00		79-01-6	02
NELAC	Trichlorofluoromethane	<1.00	ug/L	1.00		75-69-4	02
NELAC	Vinyl chloride	<1.00	ug/L	1.00		75-01-4	02



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PAJL-A

Pace Analytical/TN
Craig Cothron
12065 Lebanon Rd
Mt Juliet, TN 37122

Page 3 of 4

Project

1155250

Printed: 07/28/2025

2429067 OUTFALL 001

Received: 07/17/2025

Non-Potable Water

Collected by: Client
Taken: 07/16/2025

Pace Analytical/TN
08:00:00

PO: L1879050

EPA 624.1 Prepared: 1186958 07/24/2025 01:43:00 Analyzed 1186958 07/24/2025 01:43:00 DWI

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Benzene	<1.00	ug/L	1.00		71-43-2	03
NELAC Bromodichloromethane	<1.00	ug/L	1.00		75-27-4	03
NELAC Chloroform	<1.00	ug/L	1.00		67-66-3	03
NELAC m- and p-Xylene	<1.00	ug/L	1.00		ARC-mpXyl	03
NELAC Toluene	<1.00	ug/L	1.00		108-88-3	03

EPA 624.1 Prepared: 1186958 07/28/2025 15:43:52 Calculated 1186958 07/28/2025 15:43:52 CAL

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Xylenes, Total	<1.00	ug/L	1.00		1330-20-7	03

Sample Preparation

2429067 OUTFALL 001

Received: 07/17/2025

L1879050

07/16/2025

Prepared: 07/17/2025 11:00:39 Calculated 07/17/2025 11:00:39 CAL

z	Enviro Fee (per Sampling Group)	Verified
	Prepared: 07/28/2025 17:48:00	Analyzed 07/28/2025 17:48:00 WJP

z	Level IV Data Review	Completed
---	----------------------	-----------

EPA 624.1 Prepared: 1186958 07/24/2025 01:43:00 Analyzed 1186958 07/24/2025 01:43:00 DWI

NELAC	Volatiles by GC/MS	Entered	03
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Page 4 of 4

PAJL-A

Pace Analytical/TN
Craig Cothron
12065 Lebanon Rd
Mt Juliet, TN 37122

Project

1155250

Printed: 07/28/2025

Qualifiers:

S - Standard reads lower than desired

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

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

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

z -- Not covered by our NELAC scope of accreditation

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

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

Bill Peery, MS, VP Technical Services



Report Page 6 of 30



RESULTS

PAJL

Pace Analytical/TN
Craig Cochran
12065 Lebanon Rd
Mt Juliet, TN 37122

Project

1155250

Printed 07/28/2025
WG2560915

CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water											
2429067	OUTFALL 001	Administrative									
			Collection:	07/16/2025	08:00:00	Client					
							Received:		07/17/2025		
</											

Prepared: 1186958

MDL is Method Detection Limit (40 CFR 436 Appendix B)

MCL is the Method Quantitation Limit and corresponds to a low standard

Qualifiers:

S - Standard reads lower than desired

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

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

(NELAC - 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.

SDL is Sample Detection Limit and is the adjusted MDL (sample specific dilutions, dry weight)
MQLADJ is the Adjusted Method Quantitation Limit (dilutions, dry weight)

RESULTS

PAJL

Pace Analytical/TN
Craig Cochran
12065 Lebanon Rd
Mt Juliet, TN 37122

Bill Peery

Bill Peery, MS, VP Technical Services



Page 2 of 2

Project

1155250

Printed 07/28/2025
WVG2560915

RESULTS

PAJL

Pace Analytical/TN
Craig Cochran
12065 Lebanon Rd
Mt Juliet, TN 37122

Printed 07/28/2025
WG2560915

Project
1155250

CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
-----	-----------	---------	-----	-----	-----	--------	------	-------	--------	--------	--------

Non-Potable Water

2429067 OUTFALL 001

EPA 624.1

Collection: 07/16/2025 08:00:00 Client Received: 07/17/2025

Prepared:

1186298

Organics											
1634-04-4	(MTBE) tert-Butylmethyl ether	ND	0.145	Analyzed: 0.145	1.00	1.00	1186298	7/21/25	16:56:00	02	1.00
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.152	0.152	1.00	1.00			70.0	02	1.00
71-55-6	1,1,1-Trichloroethane	ND	0.227	0.227	1.00	1.00			10.0	02	1.00
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.189	0.189	1.00	1.00			10.0	02	1.00
79-00-5	1,1,2-Trichloroethane	ND	0.245	0.245	1.00	1.00			10.0	02	1.00
75-34-3	1,1-Dichloroethane	ND	0.206	0.206	1.00	1.00			5.00	02	1.00
75-35-4	1,1-Dichloroethylene	ND	0.163	0.163	1.00	1.00			10.0	02	1.00
563-58-6	1,1-Dichloropropene	ND	0.152	0.152	1.00	1.00				02	1.00
87-61-6	1,2,3-Trichlorobenzene	ND	0.415	0.415	1.00	1.00			5.00	02	1.00
96-18-4	1,2,3-Trichloropropane	ND	0.185	0.185	1.00	1.00			5.00	02	1.00
120-82-1	1,2,4-Trichlorobenzene	ND	0.294	0.294	1.00	1.00			5.00	02	1.00
95-63-6	1,2,4-Trimethylbenzene	ND	0.127	0.127	1.00	1.00			5.00	02	1.00
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.514	0.514	1.00	1.00			5.00	02	1.00
106-93-4	1,2-Dibromoethane (EDB)	ND	0.133	0.133	1.00	1.00			5.00	02	1.00
107-06-2	1,2-Dichloroethane	ND	0.174	0.174	1.00	1.00			10.0	02	1.00
78-87-5	1,2-Dichloropropane	ND	0.0922	0.0922	1.00	1.00			10.0	02	1.00
108-67-8	1,3,5-Trimethylbenzene	ND	0.175	0.175	1.00	1.00			5.00	02	1.00
142-28-9	1,3-Dichloropropane	ND	0.198	0.198	1.00	1.00			5.00	02	1.00
594-20-7	2,2-Dichloropropane	ND	0.304	0.304	1.00	1.00			5.00	02	1.00

RESULTS

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PAJL

Pace Analytical/TN
Craig Cothron
12065 Lebanon Rd
Mt Juliet, TN 37122

Project

1155250

Printed 07/28/2025
WGC2560915

CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water											
Organics											
110-75-8	2-Chloroethylvinyl ether	ND	0.280	0.280	1.00	1.00		ug/L	10.0	02	1.00
95-49-8	2-Chlorotoluene	ND	0.191	0.191	1.00	1.00		ug/L	5.00	02	1.00
591-78-6	2-Hexanone	ND	0.129	0.129	1.00	1.00		ug/L		02	1.00
106-43-4	4-Chlorotoluene	ND	0.195	0.195	1.00	1.00		ug/L	5.00	02	1.00
67-64-1	Acetone	ND	5.02	5.02	5.02	5.02		ug/L	20.0	02	1.00
107-02-8	Acrolein	ND	1.93	1.93	2.00	2.00	S	ug/L	50.0	02	1.00
107-13-1	Acrylonitrile	ND	0.504	0.504	1.00	1.00		ug/L	50.0	02	1.00
108-86-1	Bromobenzene	ND	0.164	0.164	1.00	1.00		ug/L	5.00	02	1.00
74-97-5	Bromochloromethane	ND	0.188	0.188	1.00	1.00		ug/L	5.00	02	1.00
75-25-2	Bromoform	ND	0.288	0.288	1.00	1.00		ug/L	10.0	02	1.00
74-83-9	Bromomethane (Methyl Bromi	ND	0.458	0.458	1.00	1.00		ug/L	50.0	02	1.00
56-23-5	Carbon Tetrachloride	ND	0.137	0.137	1.00	1.00		ug/L	2.00	02	1.00
108-90-7	Chlorobenzene	ND	0.146	0.146	1.00	1.00		ug/L	10.0	02	1.00
75-00-3	Chloroethane	ND	0.595	0.595	1.00	1.00		ug/L	50.0	02	1.00
74-87-3	Chloromethane (Methyl Chloride)	ND	0.215	0.215	1.00	1.00		ug/L	50.0	02	1.00
156-59-2	cis-1,2-Dichloroethylene	ND	0.175	0.175	1.00	1.00		ug/L	70.0	02	1.00
10061-01-5	cis-1,3-Dichloropropene	ND	0.123	0.123	1.00	1.00		ug/L	10.0	02	1.00
124-48-1	Dibromochloromethane	ND	0.143	0.143	1.00	1.00		ug/L	10.0	02	1.00
74-95-3	Dibromomethane	ND	0.140	0.140	1.00	1.00		ug/L	70.0	02	1.00
75-71-8	Dichlorodifluoromethane	ND	0.261	0.261	1.00	1.00		ug/L	5.00	02	1.00
75-09-2	Dichloromethane	ND	0.319	0.319	1.00	1.00		ug/L	20.0	02	1.00
100-41-4	Ethylbenzene	ND	0.147	0.147	1.00	1.00		ug/L	10.0	02	1.00
87-68-3	Hexachlorobutadiene	ND	0.351	0.351	1.00	1.00		ug/L	10.0	02	1.00
98-82-8	Isopropylbenzene (Cumene)	ND	0.156	0.156	1.00	1.00		ug/L	5.00	02	1.00
541-73-1	m-Dichlorobenzene (1,3-DCB)	ND	0.173	0.173	1.00	1.00		ug/L	10.0	02	1.00

RESULTS

PAJL

Pace Analytical/TN
Craig Cothron
12065 Lebanon Rd
Mt Juliet, TN 37122

Project

1155250

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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water											
Organics											
78-93-3	Methyl ethyl ketone (Butanone)	ND	0.466	0.466	1.00	1.00		ug/L	50.0	02	1.00
108-10-1	Methyl Isobutyl Ketone	ND	0.188	0.188	1.00	1.00		ug/L	5.00	02	1.00
91-20-3	Naphthalene	ND	0.167	0.167	1.00	1.00		ug/L	10.0	02	1.00
104-51-8	n-Butylbenzene	ND	0.204	0.204	1.00	1.00		ug/L	5.00	02	1.00
103-65-1	n-Propylbenzene	ND	0.206	0.206	1.00	1.00		ug/L	5.00	02	1.00
95-50-1	o-Dichlorobenzene (1,2-DCB)	ND	0.190	0.190	1.00	1.00		ug/L	10.0	02	1.00
95-47-6	o-Xylene	ND	0.167	0.167	1.00	1.00		ug/L	10.0	02	1.00
106-46-7	p-Dichlorobenzene (1,4-DCB)	ND	0.158	0.158	1.00	1.00		ug/L	10.0	02	1.00
99-87-6	p-Isopropyltoluene	ND	0.154	0.154	1.00	1.00		ug/L	5.00	02	1.00
135-98-8	sec-Butylbenzene	ND	0.143	0.143	1.00	1.00		ug/L	5.00	02	1.00
100-42-5	Styrene	ND	0.149	0.149	1.00	1.00		ug/L	10.0	02	1.00
98-06-6	tert-Butylbenzene	ND	0.129	0.129	1.00	1.00		ug/L	5.00	02	1.00
127-18-4	Tetrachloroethylene	ND	0.239	0.239	1.00	1.00		ug/L	10.0	02	1.00
156-60-5	trans-1,2-Dichloroethylene	ND	0.231	0.231	1.00	1.00		ug/L	10.0	02	1.00
10061-02-6	trans-1,3-Dichloropropene	ND	0.121	0.121	1.00	1.00		ug/L	10.0	02	1.00
79-01-6	Trichloroethylene	ND	0.153	0.153	1.00	1.00		ug/L	10.0	02	1.00
75-69-4	Trichlorofluoromethane	ND	0.187	0.187	1.00	1.00		ug/L	5.00	02	1.00
75-01-4	Vinyl chloride	ND	0.222	0.222	1.00	1.00		ug/L	10.0	02	1.00
Prepared: 1186958											
Analyzed: 7/24/25 01:43:00											
1186958											
71-43-2	Benzene	ND	0.158	0.158	1.00	1.00		ug/L	10.0	03	1.00
75-27-4	Bromodichloromethane	ND	0.174	0.174	1.00	1.00		ug/L	10.0	03	1.00
67-66-3	Chloroform	ND	0.162	0.162	1.00	1.00		ug/L	10.0	03	1.00
ARC-npXyl	m- and p-Xylene	ND	0.357	0.357	1.00	1.00		ug/L	10.0	03	1.00
108-88-3	Toluene	ND	0.181	0.181	1.00	1.00		ug/L	10.0	03	1.00



RESULTS

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PAJL

Pace Analytical/TN
Craig Cothron
12065 Lebanon Rd
Mt Juliet, TN 37122

Project
1155250

Printed 07/28/2025
WG2560915

CAS	Parameter	Results	MDL	SDL	SQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water											
Organics											
EPA 624.1											

MDL is Method Detection Limit (40 CFR 136 Appendix B)

MQL is the Method Quantitation Limit and corresponds to a low standard

Qualifiers:

S - Standard reads lower than desired

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

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

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

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Bill Peery



Bill Peery, MS, VP Technical Services

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RESULTS AND LIMITS

Pace Analytical/TN
 Craig Cothron
 12065 Lebanon Rd
 Mt Juliet, TN 37122

Account
PAJL

Project
1155250

Parameter	Results	Out Results *	Alert	Limit	Units	DL/MRL #	Flag	Out *
2429067 OUTFALL 001				Collection:	07/16/2025	08:00:00		
TCEQ Wastewater 2010 MALs (RG-194, Jan 2012)								
EPA 624.1				Analyzed	1186298	7/21/25	16:56:00	CCH
(MTBE) tert-Butylmethylether	<0.145			70.0	ug/L			
1,1,1,2-Tetrachloroethane	<0.152				ug/L			
1,1,1-Trichloroethane	<0.227			10.0	ug/L			
1,1,2,2-Tetrachloroethane	<0.189			10.0	ug/L			
1,1,2-Trichloroethane	<0.245			10.0	ug/L			
1,1-Dichloroethane	<0.206			5.00	ug/L			
1,1-Dichloroethylene	<0.163			10.0	ug/L			
1,1-Dichloropropene	<0.152				ug/L			
1,2,3-Trichlorobenzene	<0.415			5.00	ug/L			
1,2,3-Trichloropropane	<0.185			5.00	ug/L			
1,2,4-Trichlorobenzene	<0.294			5.00	ug/L			
1,2,4-Trimethylbenzene	<0.127			5.00	ug/L			
1,2-Dibromo-3-chloropropane	<0.514			5.00	ug/L			
1,2-Dibromoethane (EDB)	<0.133			10.0	ug/L			
1,2-Dichloroethane	<0.174			10.0	ug/L			
1,2-Dichloropropane	<0.0922			10.0	ug/L			
1,3,5-Trimethylbenzene	<0.175			5.00	ug/L			
1,3-Dichloropropane	<0.198			5.00	ug/L			
2,2-Dichloropropane	<0.304			5.00	ug/L			
2-Chloroethylvinyl ether	<0.280			10.0	ug/L			
2-Chlorotoluene	<0.191			5.00	ug/L			
2-Hexanone	<0.129				ug/L			
4-Chlorotoluene	<0.195			5.00	ug/L			
Acetone	<5.02			20.0	ug/L			
Acrolein	<1.93			50.0	ug/L			S
Acrylonitrile	<0.504			50.0	ug/L			
Bromobenzene	<0.164			5.00	ug/L			

Corporate - Kilgore: 2600 Dudley Road Kilgore TX 75662

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RESULTS AND LIMITS

Pace Analytical/TN
 Craig Cothron
 12065 Lebanon Rd
 Mt Juliet, TN 37122

Account
PAJL

Project
1155250

Parameter	Results	Out Results *	Alert	Limit	Units	DL/MRL #	Flag	Out *
2429067 OUTFALL 001				Collection:	07/16/2025	08:00:00		
____ TCEQ Wastewater 2010 MALs (RG-194, Jan 2012)								
EPA 624.1				Analyzed	1186298	7/21/25	16:56:00	CCH
Bromochloromethane	<0.188			5.00	ug/L			
Bromoform	<0.288			10.0	ug/L			
Bromomethane (Methyl Bromi	<0.458			50.0	ug/L			
Carbon Tetrachloride	<0.137			2.00	ug/L			
Chlorobenzene	<0.146			10.0	ug/L			
Chloroethane	<0.595			50.0	ug/L			
Chloromethane (Methyl Chloride)	<0.215			50.0	ug/L			
cis-1,2-Dichloroethylene	<0.175			70.0	ug/L			
cis-1,3-Dichloropropene	<0.123			10.0	ug/L			
Dibromochloromethane	<0.143			10.0	ug/L			
Dibromomethane	<0.140			70.0	ug/L			
Dichlorodifluoromethane	<0.261			5.00	ug/L			
Dichloromethane	<0.319			20.0	ug/L			
Ethylbenzene	<0.147			10.0	ug/L			
Hexachlorobutadiene	<0.351			10.0	ug/L			
Isopropylbenzene (Cumene)	<0.156			5.00	ug/L			
m-Dichlorobenzene (1,3-DCB)	<0.173			10.0	ug/L			
Methyl ethyl ketone (Butanone)	<0.466			50.0	ug/L			
Methyl Isobutyl Ketone	<0.188			5.00	ug/L			
Naphthalene	<0.167			10.0	ug/L			
n-Butylbenzene	<0.204			5.00	ug/L			
n-Propylbenzene	<0.206			5.00	ug/L			
o-Dichlorobenzene (1,2-DCB)	<0.190			10.0	ug/L			
o-Xylene	<0.167			10.0	ug/L			
p-Dichlorobenzene (1,4-DCB)	<0.158			10.0	ug/L			
p-Isopropyltoluene	<0.154			5.00	ug/L			
sec-Butylbenzene	<0.143			5.00	ug/L			
Styrene	<0.149			10.0	ug/L			

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RESULTS AND LIMITS

Pace Analytical/TN
 Craig Cothron
 12065 Lebanon Rd
 Mt Juliet, TN 37122

Account
PAJL

Project
1155250

Parameter	Results	Out Results *	Alert	Limit	Units	DL/MRL #	Flag	Out *
2429067	OUTFALL 001			Collection:	07/16/2025	08:00:00		
TCEQ Wastewater 2010 MALs (RG-194, Jan 2012)								
EPA 624.1				Analyzed	1186298	7/21/25	16:56:00	CCH
tert-Butylbenzene	<0.129			5.00	ug/L			
Tetrachloroethylene	<0.239			10.0	ug/L			
trans-1,2-Dichloroethylene	<0.231			10.0	ug/L			
trans-1,3-Dichloropropene	<0.121			10.0	ug/L			
Trichloroethylene	<0.153			10.0	ug/L			
Trichlorofluoromethane	<0.187			5.00	ug/L			
Vinyl chloride	<0.222			10.0	ug/L			
EPA 624.1				Analyzed	1186958	7/24/25	01:43:00	DWL
Benzene	<0.158			10.0	ug/L			
Bromodichloromethane	<0.174			10.0	ug/L			
Chloroform	<0.162			10.0	ug/L			
m- and p-Xylene	<0.357			10.0	ug/L			
Toluene	<0.181			10.0	ug/L			
Xylenes, Total	<0.357			10.0	ug/L			

* Out Results are beyond the listed limit. Please verify with your consultant or regulatory authority whether these limits apply to this project.

! Reporting Level above the listed target.

Reporting Level above the listed MRL. DL is Detection Level. MRL is Minimum Reporting Limit. Ana-Lab has demonstrated these report limits in reagent water, but can not document them in all sample matrices.



RESULTS AND LIMITS

Pace Analytical/TN
Craig Cothron
12065 Lebanon Rd
Mt Juliet, TN 37122

Account
PAJL

Project
1155250

Qualifiers:

S - Standard reads lower than desired

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

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

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Bill Peery, MS, VP Technical Services



QUALITY CONTROL



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PAJL-A

Pace Analytical/TN
Craig Cothron
12065 Lebanon Rd
Mt Juliet, TN 37122

Project
1155250

Printed 07/28/2025

Analytical Set 1186298

EPA 624.1

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1186298	174	288	1.1	0 - 2.00	127858818
BFB Mass 174	1186298	95.0	25844	73.5	50.0 - 100	127858818
BFB Mass 175	1186298	174	1993	7.7	5.00 - 9.00	127858818
BFB Mass 176	1186298	174	24725	95.7	95.0 - 101	127858818
BFB Mass 177	1186298	176	1630	6.6	5.00 - 9.00	127858818
BFB Mass 50	1186298	95.0	6006	17.1	15.0 - 40.0	127858818
BFB Mass 75	1186298	95.0	16397	46.6	30.0 - 60.0	127858818
BFB Mass 95	1186298	95.0	35176	100.0	100 - 100	127858818
BFB Mass 96	1186298	95.0	2379	6.8	5.00 - 9.00	127858818

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
(MTBE) tert-Butylmethylether	1186298	ND	0.145	1.00	ug/L	127858822
1,1,1-Trichloroethane	1186298	ND	0.227	1.00	ug/L	127858822
1,1,2-Trichloroethane	1186298	ND	0.245	1.00	ug/L	127858822
1,1-Dichloroethane	1186298	ND	0.206	1.00	ug/L	127858822
1,1-Dichloroethylene	1186298	ND	0.163	1.00	ug/L	127858822
1,2,3-Trichloropropane	1186298	ND	0.185	1.00	ug/L	127858822
1,2-Dibromoethane (EDB)	1186298	ND	0.133	1.00	ug/L	127858822
1,2-Dichloroethane	1186298	ND	0.174	1.00	ug/L	127858822
1,2-Dichloropropane	1186298	ND	0.0922	1.00	ug/L	127858822
Acetone	1186298	ND	5.02	5.02	ug/L	127858822
Acrolein	1186298	ND	1.93	2.00	ug/L	127858822
Acrylonitrile	1186298	ND	0.504	1.00	ug/L	127858822
Benzene	1186298	ND	0.158	1.00	ug/L	127858822
Bromodichloromethane	1186298	ND	0.174	1.00	ug/L	127858822
Bromoform	1186298	ND	0.288	1.00	ug/L	127858822
Carbon Tetrachloride	1186298	ND	0.137	1.00	ug/L	127858822
Chlorobenzene	1186298	ND	0.146	1.00	ug/L	127858822
Chloroethane	1186298	ND	0.595	1.00	ug/L	127858822
Chloroform	1186298	ND	0.162	1.00	ug/L	127858822
Chloromethane (Methyl Chloride)	1186298	ND	0.215	1.00	ug/L	127858822
cis-1,3-Dichloropropene	1186298	ND	0.123	1.00	ug/L	127858822
Dibromochloromethane	1186298	ND	0.143	1.00	ug/L	127858822
Dichloromethane	1186298	0.630	0.319	1.00	ug/L	127858822
Ethylbenzene	1186298	ND	0.147	1.00	ug/L	127858822
m- and p-Xylene	1186298	ND	0.357	1.00	ug/L	127858822
m-Dichlorobenzene (1,3-DCB)	1186298	ND	0.173	1.00	ug/L	127858822
Methyl ethyl ketone (Butanone)	1186298	ND	0.466	1.00	ug/L	127858822
o-Dichlorobenzene (1,2-DCB)	1186298	ND	0.190	1.00	ug/L	127858822
o-Xylene	1186298	ND	0.167	1.00	ug/L	127858822
p-Dichlorobenzene (1,4-DCB)	1186298	ND	0.158	1.00	ug/L	127858822
Styrene	1186298	ND	0.149	1.00	ug/L	127858822

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QUALITY CONTROL



PAJL-A

Pace Analytical/TN
Craig Cothron
12065 Lebanon Rd
Mt Juliet, TN 37122

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Project
1155250

Printed 07/28/2025

Blank

Parameter	PrepSet	Reading	MDL	MDL	Units	File
Tetrachloroethylene	1186298	ND	0.239	1.00	ug/L	127858822
Toluene	1186298	ND	0.181	1.00	ug/L	127858822
trans-1,2-Dichloroethylene	1186298	ND	0.231	1.00	ug/L	127858822
trans-1,3-Dichloropropene	1186298	ND	0.121	1.00	ug/L	127858822
Trichloroethylene	1186298	ND	0.153	1.00	ug/L	127858822
Vinyl chloride	1186298	ND	0.222	1.00	ug/L	127858822

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1186298	LCS	256600	257500	128800	386300	127858820	1186298
1,4-DichlorobenzeneD4 (ISTD)	1186298	LCS Dup	254300	257500	128800	386300	127858821	1186298
1,4-DichlorobenzeneD4 (ISTD)	1186298	Blank	241800	257500	128800	386300	127858822	1186298
ChlorobenzeneD5 (ISTD)	1186298	LCS	467100	470300	235200	705500	127858820	1186298
ChlorobenzeneD5 (ISTD)	1186298	LCS Dup	467400	470300	235200	705500	127858821	1186298
ChlorobenzeneD5 (ISTD)	1186298	Blank	461700	470300	235200	705500	127858822	1186298
1,4-DichlorobenzeneD4 (ISTD)	2429067	Unknown	252500	257500	128800	386300	127858827	1186298
ChlorobenzeneD5 (ISTD)	2429067	Unknown	486700	470300	235200	705500	127858827	1186298
1,4-DichlorobenzeneD4 (ISTD)	2429797	MS	263200	257500	128800	386300	127858825	1186298
1,4-DichlorobenzeneD4 (ISTD)	2429797	MSD	265400	257500	128800	386300	127858826	1186298
ChlorobenzeneD5 (ISTD)	2429797	MS	472500	470300	235200	705500	127858825	1186298
ChlorobenzeneD5 (ISTD)	2429797	MSD	486800	470300	235200	705500	127858826	1186298

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1186298	LCS	11.90	11.90	11.84	11.96	127858820	1186298
1,4-DichlorobenzeneD4 (ISTD)	1186298	LCS Dup	11.90	11.90	11.84	11.96	127858821	1186298
1,4-DichlorobenzeneD4 (ISTD)	1186298	Blank	11.90	11.90	11.84	11.96	127858822	1186298
ChlorobenzeneD5 (ISTD)	1186298	LCS	9.530	9.524	9.464	9.584	127858820	1186298
ChlorobenzeneD5 (ISTD)	1186298	LCS Dup	9.530	9.524	9.464	9.584	127858821	1186298
ChlorobenzeneD5 (ISTD)	1186298	Blank	9.530	9.524	9.464	9.584	127858822	1186298
1,4-DichlorobenzeneD4 (ISTD)	2429067	Unknown	11.90	11.90	11.84	11.96	127858827	1186298
ChlorobenzeneD5 (ISTD)	2429067	Unknown	9.524	9.524	9.464	9.584	127858827	1186298
1,4-DichlorobenzeneD4 (ISTD)	2429797	MS	11.90	11.90	11.84	11.96	127858825	1186298
1,4-DichlorobenzeneD4 (ISTD)	2429797	MSD	11.90	11.90	11.84	11.96	127858826	1186298
ChlorobenzeneD5 (ISTD)	2429797	MS	9.530	9.524	9.464	9.584	127858825	1186298
ChlorobenzeneD5 (ISTD)	2429797	MSD	9.530	9.524	9.464	9.584	127858826	1186298

LCS Dup

Parameter	PrepSet	LCS	LCS D	Known	Limits%	LCS%	LCS D%	Units	RPD	Limit%
(MTBE) tert-Butylmethylether	1186298	18.6	18.4	20.0	70.8 - 125	93.0	92.0	ug/L	1.08	30.0
1,1,1,2-Tetrachloroethane	1186298	17.9	17.7	20.0	79.3 - 126	89.5	88.5	ug/L	1.12	30.0
1,1,1-Trichloroethane	1186298	19.8	18.8	20.0	70.0 - 130	99.0	94.0	ug/L	5.18	21.0
1,1,2,2-Tetrachloroethane	1186298	18.3	18.8	20.0	60.0 - 140	91.5	94.0	ug/L	2.70	36.0
1,1,2-Trichloroethane	1186298	19.5	19.2	20.0	70.0 - 130	97.5	96.0	ug/L	1.55	27.0
1,1-Dichloroethane	1186298	20.5	20.2	20.0	70.0 - 130	102	101	ug/L	0.985	24.0
1,1-Dichloroethylene	1186298	19.0	18.4	20.0	50.0 - 150	95.0	92.0	ug/L	3.21	40.0

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Project
1155250

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,1-Dichloropropene	1186298	19.8	19.1	20.0	79.7 - 127	99.0	95.5	ug/L	3.60	30.0
1,2,3-Trichlorobenzene	1186298	15.4	15.5	20.0	75.4 - 129	77.0	77.5	ug/L	0.647	30.0
1,2,3-Trichloropropane	1186298	17.9	18.2	20.0	78.4 - 127	89.5	91.0	ug/L	1.66	30.0
1,2,4-Trichlorobenzene	1186298	16.6	16.6	20.0	71.9 - 124	83.0	83.0	ug/L	0	30.0
1,2,4-Trimethylbenzene	1186298	18.6	18.3	20.0	82.7 - 120	93.0	91.5	ug/L	1.63	30.0
1,2-Dibromo-3-chloropropane	1186298	18.6	17.8	20.0	64.4 - 135	93.0	89.0	ug/L	4.40	30.0
1,2-Dibromoethane (EDB)	1186298	18.0	18.1	20.0	78.4 - 122	90.0	90.5	ug/L	0.554	30.0
1,2-Dichloroethane	1186298	19.3	19.2	20.0	70.0 - 130	96.5	96.0	ug/L	0.519	29.0
1,2-Dichloropropane	1186298	20.6	19.8	20.0	35.0 - 165	103	99.0	ug/L	3.96	69.0
1,3,5-Trimethylbenzene	1186298	18.8	18.1	20.0	83.2 - 123	94.0	90.5	ug/L	3.79	30.0
1,3-Dichloropropane	1186298	18.6	18.1	20.0	78.5 - 114	93.0	90.5	ug/L	2.72	30.0
2,2-Dichloropropane	1186298	20.6	20.1	20.0	77.4 - 138	103	100	ug/L	2.96	30.0
2-Chloroethylvinyl ether	1186298	0.330	0.410	20.0	0.100 - 225	1.65	2.05	ug/L	21.6	130
2-Chlorotoluene	1186298	18.2	18.2	20.0	81.2 - 125	91.0	91.0	ug/L	0	30.0
2-Hexanone	1186298	18.5	18.2	20.0	39.2 - 147	92.5	91.0	ug/L	1.63	30.0
4-Chlorotoluene	1186298	17.2	16.8	20.0	78.2 - 119	86.0	84.0	ug/L	2.35	30.0
Acetone	1186298	18.1	18.1	20.0	43.0 - 170	90.5	90.5	ug/L	0	30.0
Acrolein	1186298	18.0	18.6	40.0	60.0 - 140	45.0 *	46.5 *	ug/L	3.28	30.0
Acrylonitrile	1186298	41.3	41.1	40.0	60.0 - 140	103	103	ug/L	0	30.0
Benzene	1186298	19.8	19.5	20.0	65.0 - 135	99.0	97.5	ug/L	1.53	33.0
Bromobenzene	1186298	18.1	17.8	20.0	79.8 - 121	90.5	89.0	ug/L	1.67	30.0
Bromochloromethane	1186298	18.1	18.2	20.0	81.8 - 124	90.5	91.0	ug/L	0.551	30.0
Bromodichloromethane	1186298	18.7	18.5	20.0	65.0 - 135	93.5	92.5	ug/L	1.08	34.0
Bromoform	1186298	18.6	18.7	20.0	70.0 - 130	93.0	93.5	ug/L	0.536	25.0
Bromomethane (Methyl Bromi	1186298	17.3	17.4	20.0	15.0 - 185	86.5	87.0	ug/L	0.576	90.0
Carbon Tetrachloride	1186298	19.9	19.4	20.0	70.0 - 130	99.5	97.0	ug/L	2.54	26.0
Chlorobenzene	1186298	19.0	18.6	20.0	65.0 - 135	95.0	93.0	ug/L	2.13	29.0
Chloroethane	1186298	21.5	20.4	20.0	40.0 - 160	108	102	ug/L	5.71	47.0
Chloroform	1186298	19.7	19.3	20.0	70.0 - 135	98.5	96.5	ug/L	2.05	32.0
Chloromethane (Methyl Chloride)	1186298	16.0	15.8	20.0	0.100 - 205	80.0	79.0	ug/L	1.26	472
cis-1,2-Dichloroethylene	1186298	18.4	17.8	20.0	78.3 - 119	92.0	89.0	ug/L	3.31	30.0
cis-1,3-Dichloropropene	1186298	18.1	17.4	20.0	25.0 - 175	90.5	87.0	ug/L	3.94	79.0
Dibromochloromethane	1186298	17.7	17.6	20.0	70.0 - 135	88.5	88.0	ug/L	0.567	30.0
Dibromomethane	1186298	18.7	18.6	20.0	79.7 - 123	93.5	93.0	ug/L	0.536	30.0
Dichlorodifluoromethane	1186298	17.2	16.5	20.0	18.5 - 149	86.0	82.5	ug/L	4.15	30.0
Dichloromethane	1186298	18.7	18.6	20.0	60.0 - 140	93.5	93.0	ug/L	0.536	192
Ethylbenzene	1186298	19.6	19.3	20.0	60.0 - 140	98.0	96.5	ug/L	1.54	34.0
Hexachlorobutadiene	1186298	19.3	19.0	20.0	79.5 - 130	96.5	95.0	ug/L	1.57	30.0
Isopropylbenzene (Cumene)	1186298	18.3	17.8	20.0	75.6 - 117	91.5	89.0	ug/L	2.77	30.0
m- and p-Xylene	1186298	37.9	36.7	40.0	77.3 - 117	94.8	91.8	ug/L	3.22	30.0
m-Dichlorobenzene (1,3-DCB)	1186298	18.1	17.8	20.0	70.0 - 130	90.5	89.0	ug/L	1.67	24.0
Methyl ethyl ketone (Butanone)	1186298	20.0	19.8	20.0	62.3 - 136	100	99.0	ug/L	1.01	30.0
Methyl Isobutyl Ketone	1186298	20.5	20.0	20.0	62.2 - 129	102	100	ug/L	1.98	30.0
Naphthalene	1186298	14.8	15.1	20.0	69.6 - 133	74.0	75.5	ug/L	2.01	30.0
n-Butylbenzene	1186298	18.8	18.3	20.0	83.8 - 125	94.0	91.5	ug/L	2.70	30.0

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
n-Propylbenzene	1186298	18.7	18.2	20.0	81.8 - 127	93.5	91.0	ug/L	2.71	30.0
o-Dichlorobenzene (1,2-DCB)	1186298	16.8	16.7	20.0	65.0 - 135	84.0	83.5	ug/L	0.597	31.0
o-Xylene	1186298	19.4	18.8	20.0	76.8 - 116	97.0	94.0	ug/L	3.14	30.0
p-Dichlorobenzene (1,4-DCB)	1186298	17.3	16.5	20.0	65.0 - 135	86.5	82.5	ug/L	4.73	31.0
p-Isopropyltoluene	1186298	17.4	17.5	20.0	82.6 - 121	87.0	87.5	ug/L	0.573	30.0
sec-Butylbenzene	1186298	19.1	19.0	20.0	80.1 - 120	95.5	95.0	ug/L	0.525	30.0
Styrene	1186298	19.3	18.7	20.0	77.4 - 111	96.5	93.5	ug/L	3.16	30.0
tert-Butylbenzene	1186298	17.9	17.4	20.0	81.2 - 122	89.5	87.0	ug/L	2.83	30.0
Tetrachloroethylene	1186298	18.6	17.9	20.0	70.0 - 130	93.0	89.5	ug/L	3.84	23.0
Toluene	1186298	19.5	19.3	20.0	70.0 - 130	97.5	96.5	ug/L	1.03	22.0
trans-1,2-Dichloroethylene	1186298	18.3	17.9	20.0	70.0 - 130	91.5	89.5	ug/L	2.21	27.0
trans-1,3-Dichloropropene	1186298	18.8	18.4	20.0	50.0 - 150	94.0	92.0	ug/L	2.15	52.0
Trichloroethylene	1186298	19.2	18.8	20.0	65.0 - 135	96.0	94.0	ug/L	2.11	29.0
Trichlorofluoromethane	1186298	23.6	22.8	20.0	50.0 - 150	118	114	ug/L	3.45	50.0
Vinyl chloride	1186298	20.4	19.6	20.0	5.00 - 195	102	98.0	ug/L	4.00	100

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
2-Chloroethylvinyl ether	2429797	2.35	0	ND	100	0.100 - 305	2.35		ug/L		71.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
(MTBE) tert-Butylmethylether	2429797	86.8	86.8	ND	100	28.8 - 124	86.8	86.8	ug/L	0	30.0
1,1,1,2-Tetrachloroethane	2429797	74.1	75.0	ND	100	29.6 - 126	74.1	75.0	ug/L	1.21	30.0
1,1,1-Trichloroethane	2429797	82.4	80.3	ND	100	52.0 - 162	82.4	80.3	ug/L	2.58	36.0
1,1,2,2-Tetrachloroethane	2429797	81.8	83.1	4.25	100	46.0 - 157	77.6	78.8	ug/L	1.66	61.0
1,1,2-Trichloroethane	2429797	69.6	69.6	15.4	100	52.0 - 150	54.2	54.2	ug/L	0	45.0
1,1-Dichloroethane	2429797	86.0	83.8	1.75	100	59.0 - 155	84.2	82.0	ug/L	2.65	40.0
1,1-Dichloroethylene	2429797	79.8	77.2	ND	100	0.100 - 234	79.8	77.2	ug/L	3.31	32.0
1,1-Dichloropropene	2429797	87.2	85.2	ND	100	0.100 - 155	87.2	85.2	ug/L	2.32	30.0
1,2,3-Trichlorobenzene	2429797	63.8	70.7	ND	100	14.6 - 140	63.8	70.7	ug/L	10.3	30.0
1,2,3-Trichloropropane	2429797	75.4	75.6	ND	100	46.3 - 134	75.4	75.6	ug/L	0.265	30.0
1,2,4-Trichlorobenzene	2429797	69.4	74.0	ND	100	17.9 - 129	69.4	74.0	ug/L	6.42	30.0
1,2,4-Trimethylbenzene	2429797	206	206	130	100	10.9 - 137	76.0	76.0	ug/L	0	30.0
1,2-Dibromo-3-chloropropane	2429797	71.3	75.4	ND	100	25.0 - 147	71.3	75.4	ug/L	5.59	30.0
1,2-Dibromoethane (EDB)	2429797	77.3	75.1	ND	100	49.3 - 120	77.3	75.1	ug/L	2.89	30.0
1,2-Dichloroethane	2429797	79.0	78.2	ND	100	49.0 - 155	79.0	78.2	ug/L	1.02	49.0
1,2-Dichloropropane	2429797	83.0	81.1	ND	100	0.100 - 210	83.0	81.1	ug/L	2.32	55.0
1,3,5-Trimethylbenzene	2429797	133	132	56.5	100	0.100 - 160	76.5	75.5	ug/L	1.32	30.0
1,3-Dichloropropane	2429797	74.6	74.6	ND	100	38.7 - 125	74.6	74.6	ug/L	0	30.0
2,2-Dichloropropane	2429797	85.1	82.2	4.50	100	0.100 - 153	80.6	77.7	ug/L	3.66	30.0
2-Chlorotoluene	2429797	57.8	95.6	21.0	100	13.6 - 135	36.8	74.6	ug/L	67.9 *	30.0
2-Hexanone	2429797	2310	2430	2320	100	0.100 - 209	-10.0 *	110	ug/L	240 *	30.0
4-Chlorotoluene	2429797	78.2	77.4	5.30	100	16.4 - 133	72.9	72.1	ug/L	1.10	30.0
Acetone	2429797	228	211	117	100	0.100 - 278	111	94.0	ug/L	16.6	30.0

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Acrolein	2429797	816	789	735	200	40.0 - 160	40.5	27.0 *	ug/L	40.0	60.0
Acrylonitrile	2429797	173	173	8.80	200	40.0 - 160	82.1	82.1	ug/L	0	60.0
Benzene	2429797	8990	8700	9290	100	37.0 - 151	-300 *	-590 *	ug/L	3.28	61.0
Bromobenzene	2429797	78.7	78.6	ND	100	34.6 - 127	78.7	78.6	ug/L	0.127	30.0
Bromochloromethane	2429797	78.6	77.1	ND	100	36.3 - 133	78.6	77.1	ug/L	1.93	30.0
Bromodichloromethane	2429797	75.1	73.2	11.8	100	35.0 - 155	63.3	61.4	ug/L	3.05	56.0
Bromoform	2429797	73.6	75.3	ND	100	45.0 - 169	73.6	75.3	ug/L	2.28	42.0
Bromomethane (Methyl Bromi	2429797	77.5	75.4	ND	100	0.100 - 242	77.5	75.4	ug/L	2.75	61.0
Carbon Tetrachloride	2429797	84.0	81.0	ND	100	70.0 - 140	84.0	81.0	ug/L	3.64	41.0
Chlorobenzene	2429797	81.6	80.3	ND	100	37.0 - 160	81.6	80.3	ug/L	1.61	53.0
Chloroethane	2429797	89.7	84.2	ND	100	14.0 - 230	89.7	84.2	ug/L	6.33	78.0
Chloroform	2429797	87.4	84.0	4.75	100	51.0 - 138	82.6	79.2	ug/L	4.20	54.0
Chloromethane (Methyl Chloride)	2429797	85.5	83.6	15.8	100	0.100 - 273	69.7	67.8	ug/L	2.76	60.0
cis-1,2-Dichloroethylene	2429797	78.0	76.7	ND	100	9.47 - 116	78.0	76.7	ug/L	1.68	30.0
cis-1,3-Dichloropropene	2429797	72.6	72.1	ND	100	0.100 - 227	72.6	72.1	ug/L	0.691	58.0
Dibromochloromethane	2429797	71.4	69.8	ND	100	53.0 - 149	71.4	69.8	ug/L	2.27	50.0
Dibromomethane	2429797	78.9	77.4	ND	100	41.9 - 124	78.9	77.4	ug/L	1.92	30.0
Dichlorodifluoromethane	2429797	71.0	68.8	ND	100	53.0 - 149	71.0	68.8	ug/L	3.15	50.0
Dichloromethane	2429797	77.6	74.4	ND	100	0.100 - 221	77.6	74.4	ug/L	4.21	28.0
Ethylbenzene	2429797	242	236	159	100	37.0 - 162	83.0	77.0	ug/L	7.50	63.0
Hexachlorobutadiene	2429797	90.8	102	ND	100	0.100 - 153	90.8	102	ug/L	11.6	30.0
Isopropylbenzene (Cumene)	2429797	87.2	86.1	9.20	100	0.100 - 139	78.0	76.9	ug/L	1.42	30.0
m- and p-Xylene	2429797	1210	1190	1070	200	3.93 - 113	70.0	60.0	ug/L	15.4	30.0
m-Dichlorobenzene (1,3-DCB)	2429797	76.9	76.6	ND	100	59.0 - 156	76.9	76.6	ug/L	0.391	43.0
Methyl ethyl ketone (Butanone)	2429797	93.1	101	14.4	100	0.100 - 211	78.7	86.6	ug/L	9.56	30.0
Methyl Isobutyl Ketone	2429797	84.4	84.9	29.4	100	22.1 - 155	55.0	55.5	ug/L	0.905	30.0
Naphthalene	2429797	91.1	94.6	22.3	100	7.49 - 156	68.8	72.3	ug/L	4.96	30.0
n-Butylbenzene	2429797	84.6	87.7	5.75	100	0.100 - 152	78.8	82.0	ug/L	3.86	30.0
n-Propylbenzene	2429797	83.1	82.2	4.30	100	0.100 - 145	78.8	77.9	ug/L	1.15	30.0
o-Dichlorobenzene (1,2-DCB)	2429797	71.1	71.8	ND	100	18.0 - 190	71.1	71.8	ug/L	0.980	57.0
o-Xylene	2429797	643	626	565	100	15.9 - 112	78.0	61.0	ug/L	24.5	30.0
p-Dichlorobenzene (1,4-DCB)	2429797	70.4	72.6	ND	100	18.0 - 190	70.4	72.6	ug/L	3.08	57.0
p-Isopropyltoluene	2429797	79.8	81.0	11.2	100	0.100 - 143	68.6	69.8	ug/L	1.73	30.0
sec-Butylbenzene	2429797	85.8	87.1	4.60	100	0.100 - 147	81.2	82.5	ug/L	1.59	30.0
Styrene	2429797	97.6	96.4	15.4	100	25.1 - 117	82.2	81.0	ug/L	1.47	30.0
tert-Butylbenzene	2429797	98.6	99.2	5.45	100	0.100 - 145	93.2	93.8	ug/L	0.642	30.0
Tetrachloroethylene	2429797	79.3	77.4	ND	100	64.0 - 148	79.3	77.4	ug/L	2.43	39.0
Toluene	2429797	10100	9770	10400	100	47.0 - 150	-300 *	-630 *	ug/L	3.32	41.0
trans-1,2-Dichloroethylene	2429797	76.6	74.6	ND	100	54.0 - 156	76.6	74.6	ug/L	2.65	45.0
trans-1,3-Dichloropropene	2429797	280	269	205	100	17.0 - 183	75.0	64.0	ug/L	15.8	86.0
Trichloroethylene	2429797	80.0	76.8	ND	100	70.0 - 157	80.0	76.8	ug/L	4.08	48.0
Trichlorofluoromethane	2429797	103	99.1	ND	100	17.0 - 181	103	99.1	ug/L	3.86	84.0
Vinyl chloride	2429797	88.3	83.8	ND	100	0.100 - 251	88.3	83.8	ug/L	5.23	66.0

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	Surrogate							
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1186298	LCS	19.9	20.0	ug/L	99.5	70.0 - 130	127858820
1,2-DCA-d4 (SURR)	1186298	LCS Dup	19.6	20.0	ug/L	98.0	70.0 - 130	127858821
1,2-DCA-d4 (SURR)	1186298	Blank	19.3	20.0	ug/L	96.5	70.0 - 130	127858822
Bromofluorobenzene (SURR)	1186298	LCS	20.1	20.0	ug/L	100	70.0 - 130	127858820
Bromofluorobenzene (SURR)	1186298	LCS Dup	20.0	20.0	ug/L	100	70.0 - 130	127858821
Bromofluorobenzene (SURR)	1186298	Blank	19.8	20.0	ug/L	99.0	70.0 - 130	127858822
Dibromofluoromethane (SURR)	1186298	LCS	20.0	20.0	ug/L	100	70.0 - 130	127858820
Dibromofluoromethane (SURR)	1186298	LCS Dup	19.6	20.0	ug/L	98.0	70.0 - 130	127858821
Dibromofluoromethane (SURR)	1186298	Blank	19.3	20.0	ug/L	96.5	70.0 - 130	127858822
TolueneD8 (SURR)	1186298	LCS	19.4	20.0	ug/L	97.0	70.0 - 130	127858820
TolueneD8 (SURR)	1186298	LCS Dup	19.4	20.0	ug/L	97.0	70.0 - 130	127858821
TolueneD8 (SURR)	1186298	Blank	19.0	20.0	ug/L	95.0	70.0 - 130	127858822
1,2-DCA-d4 (SURR)	2429067	Unknown	19.3	20.0	ug/L	96.5	70.0 - 130	127858827
Bromofluorobenzene (SURR)	2429067	Unknown	20.3	20.0	ug/L	102	70.0 - 130	127858827
Dibromofluoromethane (SURR)	2429067	Unknown	19.3	20.0	ug/L	96.5	70.0 - 130	127858827
TolueneD8 (SURR)	2429067	Unknown	19.2	20.0	ug/L	96.0	70.0 - 130	127858827
1,2-DCA-d4 (SURR)	2429797	MS	19.2	20.0	ug/L	96.0	70.0 - 130	127858825
1,2-DCA-d4 (SURR)	2429797	MSD	18.9	20.0	ug/L	94.5	70.0 - 130	127858826
Bromofluorobenzene (SURR)	2429797	MS	19.5	20.0	ug/L	97.5	70.0 - 130	127858825
Bromofluorobenzene (SURR)	2429797	MSD	19.6	20.0	ug/L	98.0	70.0 - 130	127858826
Dibromofluoromethane (SURR)	2429797	MS	19.4	20.0	ug/L	97.0	70.0 - 130	127858825
Dibromofluoromethane (SURR)	2429797	MSD	19.4	20.0	ug/L	97.0	70.0 - 130	127858826
TolueneD8 (SURR)	2429797	MS	19.5	20.0	ug/L	97.5	70.0 - 130	127858825
TolueneD8 (SURR)	2429797	MSD	19.4	20.0	ug/L	97.0	70.0 - 130	127858826

Analytical Set

1186958

EPA 624.1

	BFB						
Parameter	Sample	RefMass	Reading	%	Limits%		File
BFB Mass 173	1186958	174	182	1.0	0 - 2.00		127872785
BFB Mass 174	1186958	95.0	17891	80.2	50.0 - 100		127872785
BFB Mass 175	1186958	174	1340	7.5	5.00 - 9.00		127872785
BFB Mass 176	1186958	174	17330	96.9	95.0 - 101		127872785
BFB Mass 177	1186958	176	1134	6.5	5.00 - 9.00		127872785
BFB Mass 50	1186958	95.0	3610	16.2	15.0 - 40.0		127872785
BFB Mass 75	1186958	95.0	10745	48.2	30.0 - 60.0		127872785
BFB Mass 95	1186958	95.0	22305	100.0	100 - 100		127872785
BFB Mass 96	1186958	95.0	1480	6.6	5.00 - 9.00		127872785

	Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units		File
(MTBE) tert-Butylmethylether	1186958	ND	0.145	1.00	ug/L		127872789
1,1,1-Trichloroethane	1186958	ND	0.227	1.00	ug/L		127872789
1,1,2-Trichloroethane	1186958	ND	0.245	1.00	ug/L		127872789
1,1-Dichloroethane	1186958	ND	0.206	1.00	ug/L		127872789
1,1-Dichloroethylene	1186958	ND	0.163	1.00	ug/L		127872789

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Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
1,2,3-Trichloropropane	1186958	ND	0.185	1.00	ug/L	127872789
1,2-Dibromoethane (EDB)	1186958	ND	0.133	1.00	ug/L	127872789
1,2-Dichloroethane	1186958	ND	0.174	1.00	ug/L	127872789
1,2-Dichloropropane	1186958	ND	0.0922	1.00	ug/L	127872789
Acetone	1186958	ND	5.02	5.02	ug/L	127872789
Acrolein	1186958	ND	1.93	2.00	ug/L	127872789
Acrylonitrile	1186958	ND	0.504	1.00	ug/L	127872789
Benzene	1186958	ND	0.158	1.00	ug/L	127872789
Bromodichloromethane	1186958	ND	0.174	1.00	ug/L	127872789
Bromoform	1186958	ND	0.288	1.00	ug/L	127872789
Carbon Tetrachloride	1186958	ND	0.137	1.00	ug/L	127872789
Chlorobenzene	1186958	ND	0.146	1.00	ug/L	127872789
Chloroethane	1186958	ND	0.595	1.00	ug/L	127872789
Chloroform	1186958	ND	0.162	1.00	ug/L	127872789
Chloromethane (Methyl Chloride)	1186958	ND	0.215	1.00	ug/L	127872789
cis-1,3-Dichloropropene	1186958	ND	0.123	1.00	ug/L	127872789
Dibromochloromethane	1186958	ND	0.143	1.00	ug/L	127872789
Dichloromethane	1186958	ND	0.319	1.00	ug/L	127872789
Ethylbenzene	1186958	ND	0.147	1.00	ug/L	127872789
m- and p-Xylene	1186958	0.360	0.357	1.00	ug/L	127872789
m-Dichlorobenzene (1,3-DCB)	1186958	0.350	0.173	1.00	ug/L	127872789
Methyl ethyl ketone (Butanone)	1186958	ND	0.466	1.00	ug/L	127872789
o-Dichlorobenzene (1,2-DCB)	1186958	0.270	0.190	1.00	ug/L	127872789
o-Xylene	1186958	ND	0.167	1.00	ug/L	127872789
p-Dichlorobenzene (1,4-DCB)	1186958	0.330	0.158	1.00	ug/L	127872789
Styrene	1186958	ND	0.149	1.00	ug/L	127872789
Tetrachloroethylene	1186958	0.290	0.239	1.00	ug/L	127872789
Toluene	1186958	ND	0.181	1.00	ug/L	127872789
trans-1,2-Dichloroethylene	1186958	ND	0.231	1.00	ug/L	127872789
trans-1,3-Dichloropropene	1186958	ND	0.121	1.00	ug/L	127872789
Trichloroethylene	1186958	ND	0.153	1.00	ug/L	127872789
Vinyl chloride	1186958	ND	0.222	1.00	ug/L	127872789

IS Areas

<u>Parameter</u>	<u>Sample</u>	<u>Type</u>	<u>Reading</u>	<u>CCVISM</u>	<u>Low</u>	<u>High</u>	<u>File</u>	<u>PrepSet</u>
1,4-DichlorobenzeneD4 (ISTD)	1186958	LCS	254400	239200	119600	358700	127872787	1186958
1,4-DichlorobenzeneD4 (ISTD)	1186958	LCS Dup	242500	239200	119600	358700	127872788	1186958
1,4-DichlorobenzeneD4 (ISTD)	1186958	Blank	236100	239200	119600	358700	127872789	1186958
ChlorobenzeneD5 (ISTD)	1186958	LCS	458500	443700	221900	665600	127872787	1186958
ChlorobenzeneD5 (ISTD)	1186958	LCS Dup	450400	443700	221900	665600	127872788	1186958
ChlorobenzeneD5 (ISTD)	1186958	Blank	455400	443700	221900	665600	127872789	1186958
1,4-DichlorobenzeneD4 (ISTD)	2429067	Unknown	227700	239200	119600	358700	127872790	1186958
ChlorobenzeneD5 (ISTD)	2429067	Unknown	449100	443700	221900	665600	127872790	1186958
1,4-DichlorobenzeneD4 (ISTD)	2430020	MS	238800	239200	119600	358700	127872792	1186958
1,4-DichlorobenzeneD4 (ISTD)	2430020	MSD	247500	239200	119600	358700	127872793	1186958

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IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
ChlorobenzeneD5 (ISTD)	2430020	MS	430400	443700	221900	665600	127872792	1186958
ChlorobenzeneD5 (ISTD)	2430020	MSD	457900	443700	221900	665600	127872793	1186958

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1186958	LCS	11.90	11.90	11.84	11.96	127872787	1186958
1,4-DichlorobenzeneD4 (ISTD)	1186958	LCS Dup	11.90	11.90	11.84	11.96	127872788	1186958
1,4-DichlorobenzeneD4 (ISTD)	1186958	Blank	11.90	11.90	11.84	11.96	127872789	1186958
ChlorobenzeneD5 (ISTD)	1186958	LCS	9.524	9.524	9.464	9.584	127872787	1186958
ChlorobenzeneD5 (ISTD)	1186958	LCS Dup	9.530	9.524	9.464	9.584	127872788	1186958
ChlorobenzeneD5 (ISTD)	1186958	Blank	9.524	9.524	9.464	9.584	127872789	1186958
1,4-DichlorobenzeneD4 (ISTD)	2429067	Unknown	11.90	11.90	11.84	11.96	127872790	1186958
ChlorobenzeneD5 (ISTD)	2429067	Unknown	9.524	9.524	9.464	9.584	127872790	1186958
1,4-DichlorobenzeneD4 (ISTD)	2430020	MS	11.90	11.90	11.84	11.96	127872792	1186958
1,4-DichlorobenzeneD4 (ISTD)	2430020	MSD	11.90	11.90	11.84	11.96	127872793	1186958
ChlorobenzeneD5 (ISTD)	2430020	MS	9.524	9.524	9.464	9.584	127872792	1186958
ChlorobenzeneD5 (ISTD)	2430020	MSD	9.524	9.524	9.464	9.584	127872793	1186958

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
(MTBE) tert-Butylmethylether	1186958	19.9	20.7	20.0	70.8 - 125	99.5	104	ug/L	4.42	30.0
1,1,1,2-Tetrachloroethane	1186958	18.6	19.4	20.0	79.3 - 126	93.0	97.0	ug/L	4.21	30.0
1,1,1-Trichloroethane	1186958	20.5	20.4	20.0	70.0 - 130	102	102	ug/L	0	21.0
1,1,2,2-Tetrachloroethane	1186958	19.6	21.4	20.0	60.0 - 140	98.0	107	ug/L	8.78	36.0
1,1,2-Trichloroethane	1186958	19.9	20.2	20.0	70.0 - 130	99.5	101	ug/L	1.50	27.0
1,1-Dichloroethane	1186958	21.0	20.8	20.0	70.0 - 130	105	104	ug/L	0.957	24.0
1,1-Dichloroethylene	1186958	21.3	21.5	20.0	50.0 - 150	106	108	ug/L	1.87	40.0
1,1-Dichloropropene	1186958	19.8	19.7	20.0	79.7 - 127	99.0	98.5	ug/L	0.506	30.0
1,2,3-Trichlorobenzene	1186958	21.7	24.0	20.0	75.4 - 129	108	120	ug/L	10.5	30.0
1,2,3-Trichloropropane	1186958	19.5	21.0	20.0	78.4 - 127	97.5	105	ug/L	7.41	30.0
1,2,4-Trichlorobenzene	1186958	22.0	23.5	20.0	71.9 - 124	110	118	ug/L	7.02	30.0
1,2,4-Trimethylbenzene	1186958	21.0	21.8	20.0	82.7 - 120	105	109	ug/L	3.74	30.0
1,2-Dibromo-3-chloropropane	1186958	20.8	22.4	20.0	64.4 - 135	104	112	ug/L	7.41	30.0
1,2-Dibromoethane (EDB)	1186958	19.3	20.2	20.0	78.4 - 122	96.5	101	ug/L	4.56	30.0
1,2-Dichloroethane	1186958	19.4	19.5	20.0	70.0 - 130	97.0	97.5	ug/L	0.514	29.0
1,2-Dichloropropane	1186958	19.1	19.4	20.0	35.0 - 165	95.5	97.0	ug/L	1.56	69.0
1,3,5-Trimethylbenzene	1186958	19.4	20.3	20.0	83.2 - 123	97.0	102	ug/L	5.03	30.0
1,3-Dichloropropane	1186958	20.3	20.7	20.0	78.5 - 114	102	104	ug/L	1.94	30.0
2,2-Dichloropropane	1186958	20.2	19.9	20.0	77.4 - 138	101	99.5	ug/L	1.50	30.0
2-Chloroethylvinyl ether	1186958	0	0.310	20.0	70.0 - 130		1.55 *	ug/L	200 *	30.0
2-Chlorotoluene	1186958	20.2	21.0	20.0	81.2 - 125	101	105	ug/L	3.88	30.0
2-Hexanone	1186958	21.9	24.2	20.0	39.2 - 147	110	121	ug/L	9.52	30.0
4-Chlorotoluene	1186958	19.2	19.8	20.0	78.2 - 119	96.0	99.0	ug/L	3.08	30.0
Acetone	1186958	22.9	26.4	20.0	43.0 - 170	114	132	ug/L	14.6	30.0
Acrolein	1186958	67.0	61.1	40.0	60.0 - 140	168 *	153 *	ug/L	9.35	30.0

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Acrylonitrile	1186958	40.8	44.2	40.0	60.0 - 140	102	110	ug/L	7.55	30.0
Benzene	1186958	19.6	19.8	20.0	65.0 - 135	98.0	99.0	ug/L	1.02	33.0
Bromobenzene	1186958	20.3	21.2	20.0	79.8 - 121	102	106	ug/L	3.85	30.0
Bromochloromethane	1186958	19.0	19.3	20.0	81.8 - 124	95.0	96.5	ug/L	1.57	30.0
Bromodichloromethane	1186958	19.7	20.4	20.0	65.0 - 135	98.5	102	ug/L	3.49	34.0
Bromoform	1186958	21.1	22.3	20.0	70.0 - 130	106	112	ug/L	5.50	25.0
Bromomethane (Methyl Bromi	1186958	21.2	21.2	20.0	15.0 - 185	106	106	ug/L	0	90.0
Carbon Tetrachloride	1186958	20.7	20.7	20.0	70.0 - 130	104	104	ug/L	0	26.0
Chlorobenzene	1186958	19.5	19.7	20.0	65.0 - 135	97.5	98.5	ug/L	1.02	29.0
Chloroethane	1186958	20.8	20.8	20.0	40.0 - 160	104	104	ug/L	0	47.0
Chloroform	1186958	20.6	20.8	20.0	70.0 - 135	103	104	ug/L	0.966	32.0
Chloromethane (Methyl Chloride)	1186958	18.3	18.1	20.0	0.100 - 205	91.5	90.5	ug/L	1.10	472
cis-1,2-Dichloroethylene	1186958	18.8	19.0	20.0	78.3 - 119	94.0	95.0	ug/L	1.06	30.0
cis-1,3-Dichloropropene	1186958	19.6	19.4	20.0	25.0 - 175	98.0	97.0	ug/L	1.03	79.0
Dibromochloromethane	1186958	18.2	18.7	20.0	70.0 - 135	91.0	93.5	ug/L	2.71	30.0
Dibromomethane	1186958	19.6	20.0	20.0	79.7 - 123	98.0	100	ug/L	2.02	30.0
Dichlorodifluoromethane	1186958	22.2	22.3	20.0	18.5 - 149	111	112	ug/L	0.897	30.0
Dichloromethane	1186958	20.3	20.4	20.0	60.0 - 140	102	102	ug/L	0	192
Ethylbenzene	1186958	21.1	21.0	20.0	60.0 - 140	106	105	ug/L	0.948	34.0
Hexachlorobutadiene	1186958	27.8	26.6	20.0	79.5 - 130	139 *	133 *	ug/L	4.41	30.0
Isopropylbenzene (Cumene)	1186958	19.2	19.9	20.0	75.6 - 117	96.0	99.5	ug/L	3.58	30.0
m- and p-Xylene	1186958	40.1	40.8	40.0	77.3 - 117	100	102	ug/L	1.98	30.0
m-Dichlorobenzene (1,3-DCB)	1186958	20.5	21.0	20.0	70.0 - 130	102	105	ug/L	2.90	24.0
Methyl ethyl ketone (Butanone)	1186958	21.9	24.4	20.0	62.3 - 136	110	122	ug/L	10.3	30.0
Methyl Isobutyl Ketone	1186958	22.4	24.5	20.0	62.2 - 129	112	122	ug/L	8.55	30.0
Naphthalene	1186958	22.0	24.2	20.0	69.6 - 133	110	121	ug/L	9.52	30.0
n-Butylbenzene	1186958	21.3	21.9	20.0	83.8 - 125	106	110	ug/L	3.70	30.0
n-Propylbenzene	1186958	19.6	20.3	20.0	81.8 - 127	98.0	102	ug/L	4.00	30.0
o-Dichlorobenzene (1,2-DCB)	1186958	19.6	20.4	20.0	65.0 - 135	98.0	102	ug/L	4.00	31.0
o-Xylene	1186958	20.9	20.7	20.0	76.8 - 116	104	104	ug/L	0	30.0
p-Dichlorobenzene (1,4-DCB)	1186958	19.2	19.9	20.0	65.0 - 135	96.0	99.5	ug/L	3.58	31.0
p-Isopropyltoluene	1186958	20.6	20.9	20.0	82.6 - 121	103	104	ug/L	0.966	30.0
sec-Butylbenzene	1186958	21.8	22.9	20.0	80.1 - 120	109	114	ug/L	4.48	30.0
Styrene	1186958	20.4	20.5	20.0	77.4 - 111	102	102	ug/L	0	30.0
tert-Butylbenzene	1186958	19.8	20.3	20.0	81.2 - 122	99.0	102	ug/L	2.99	30.0
Tetrachloroethylene	1186958	19.5	19.8	20.0	70.0 - 130	97.5	99.0	ug/L	1.53	23.0
Toluene	1186958	19.9	19.9	20.0	70.0 - 130	99.5	99.5	ug/L	0	22.0
trans-1,2-Dichloroethylene	1186958	20.1	20.3	20.0	70.0 - 130	100	102	ug/L	1.98	27.0
trans-1,3-Dichloropropene	1186958	20.9	21.3	20.0	50.0 - 150	104	106	ug/L	1.90	52.0
Trichloroethylene	1186958	20.6	20.8	20.0	65.0 - 135	103	104	ug/L	0.966	29.0
Trichlorofluoromethane	1186958	23.2	23.7	20.0	50.0 - 150	116	118	ug/L	1.71	50.0
Vinyl chloride	1186958	21.3	20.4	20.0	5.00 - 195	106	102	ug/L	3.85	100

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
(MTBE) tert-Butylmethylether	2430020	76.0	71.4	ND	100	28.8 - 124	76.0	71.4	ug/L	6.24	30.0
1,1,1,2-Tetrachloroethane	2430020	81.2	77.9	ND	100	29.6 - 126	81.2	77.9	ug/L	4.15	30.0
1,1,1-Trichloroethane	2430020	79.4	74.0	ND	100	52.0 - 162	79.4	74.0	ug/L	7.04	36.0
1,1,2,2-Tetrachloroethane	2430020	88.9	87.9	ND	100	46.0 - 157	88.9	87.9	ug/L	1.13	61.0
1,1,2-Trichloroethane	2430020	87.4	82.0	ND	100	52.0 - 150	87.4	82.0	ug/L	6.38	45.0
1,1-Dichloroethane	2430020	80.9	73.8	ND	100	59.0 - 155	80.9	73.8	ug/L	9.18	40.0
1,1-Dichloroethylene	2430020	72.3	66.4	ND	100	0.100 - 234	72.3	66.4	ug/L	8.51	32.0
1,1-Dichloropropene	2430020	79.6	74.2	ND	100	0.100 - 155	79.6	74.2	ug/L	7.02	30.0
1,2,3-Trichlorobenzene	2430020	83.2	87.6	ND	100	14.6 - 140	83.2	87.6	ug/L	5.15	30.0
1,2,3-Trichloropropane	2430020	86.6	88.5	ND	100	46.3 - 134	86.6	88.5	ug/L	2.17	30.0
1,2,4-Trichlorobenzene	2430020	82.3	84.5	ND	100	17.9 - 129	82.3	84.5	ug/L	2.64	30.0
1,2,4-Trimethylbenzene	2430020	85.6	82.6	ND	100	10.9 - 137	85.6	82.6	ug/L	3.57	30.0
1,2-Dibromo-3-chloropropane	2430020	91.4	94.8	ND	100	25.0 - 147	91.4	94.8	ug/L	3.65	30.0
1,2-Dibromoethane (EDB)	2430020	85.4	81.2	ND	100	49.3 - 120	85.4	81.2	ug/L	5.04	30.0
1,2-Dichloroethane	2430020	82.6	76.7	ND	100	49.0 - 155	82.6	76.7	ug/L	7.41	49.0
1,2-Dichloropropane	2430020	83.8	76.4	ND	100	0.100 - 210	83.8	76.4	ug/L	9.24	55.0
1,3,5-Trimethylbenzene	2430020	84.8	81.1	ND	100	0.100 - 160	84.8	81.1	ug/L	4.46	30.0
1,3-Dichloropropane	2430020	80.6	76.6	ND	100	38.7 - 125	80.6	76.6	ug/L	5.09	30.0
2,2-Dichloropropane	2430020	65.8	60.6	ND	100	0.100 - 153	65.8	60.6	ug/L	8.23	30.0
2-Chloroethylvinyl ether	2430020	2.15	1.70	ND	100	0.100 - 305	2.15	1.70	ug/L	23.4	71.0
2-Chlorotoluene	2430020	82.0	77.8	ND	100	13.6 - 135	82.0	77.8	ug/L	5.26	30.0
2-Hexanone	2430020	96.4	94.3	ND	100	0.100 - 209	96.4	94.3	ug/L	2.20	30.0
4-Chlorotoluene	2430020	77.6	74.4	ND	100	16.4 - 133	77.6	74.4	ug/L	4.21	30.0
Acetone	2430020	237	224	137	100	0.100 - 278	100	87.0	ug/L	13.9	30.0
Acrolein	2430020	10.2	13.9	ND	200	40.0 - 160	5.10 *	6.95 *	ug/L	30.7	60.0
Acrylonitrile	2430020	213	208	ND	200	40.0 - 160	106	104	ug/L	2.38	60.0
Benzene	2430020	81.8	75.2	ND	100	37.0 - 151	81.8	75.2	ug/L	8.41	61.0
Bromobenzene	2430020	83.6	80.6	ND	100	34.6 - 127	83.6	80.6	ug/L	3.65	30.0
Bromochloromethane	2430020	80.5	74.6	ND	100	36.3 - 133	80.5	74.6	ug/L	7.61	30.0
Bromodichloromethane	2430020	80.6	75.6	ND	100	35.0 - 155	80.6	75.6	ug/L	6.40	56.0
Bromoform	2430020	83.0	83.8	ND	100	45.0 - 169	83.0	83.8	ug/L	0.959	42.0
Bromomethane (Methyl Bromi	2430020	35.4	38.0	ND	100	0.100 - 242	35.4	38.0	ug/L	7.08	61.0
Carbon Tetrachloride	2430020	84.5	76.6	ND	100	70.0 - 140	84.5	76.6	ug/L	9.81	41.0
Chlorobenzene	2430020	83.6	77.4	ND	100	37.0 - 160	83.6	77.4	ug/L	7.70	53.0
Chloroethane	2430020	70.0	62.4	ND	100	14.0 - 230	70.0	62.4	ug/L	11.5	78.0
Chloroform	2430020	87.5	82.0	5.75	100	51.0 - 138	81.8	76.2	ug/L	6.96	54.0
Chloromethane (Methyl Chloride)	2430020	44.9	41.7	ND	100	0.100 - 273	44.9	41.7	ug/L	7.39	60.0
cis-1,2-Dichloroethylene	2430020	77.4	73.4	ND	100	9.47 - 116	77.4	73.4	ug/L	5.31	30.0
cis-1,3-Dichloropropene	2430020	70.5	65.8	ND	100	0.100 - 227	70.5	65.8	ug/L	6.90	58.0
Dibromochloromethane	2430020	78.8	74.6	ND	100	53.0 - 149	78.8	74.6	ug/L	5.48	50.0
Dibromomethane	2430020	85.3	80.6	ND	100	41.9 - 124	85.3	80.6	ug/L	5.67	30.0
Dichlorodifluoromethane	2430020	37.8	33.9	ND	100	53.0 - 149	37.8 *	33.9 *	ug/L	10.9	50.0
Dichloromethane	2430020	78.3	73.4	3.65	100	0.100 - 221	74.6	69.8	ug/L	6.79	28.0
Ethylbenzene	2430020	86.3	80.1	ND	100	37.0 - 162	86.3	80.1	ug/L	7.45	63.0
Hexachlorobutadiene	2430020	88.9	94.9	ND	100	0.100 - 153	88.9	94.9	ug/L	6.53	30.0

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QUALITY CONTROL



PAJL-A

Pace Analytical/TN
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12065 Lebanon Rd
Mt Juliet, TN 37122

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Project
1155250

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Isopropylbenzene (Cumene)	2430020	82.3	79.2	ND	100	0.100 - 139	82.3	79.2	ug/L	3.84	30.0
m- and p-Xylene	2430020	168	157	ND	200	3.93 - 113	84.0	78.5	ug/L	6.77	30.0
m-Dichlorobenzene (1,3-DCB)	2430020	81.3	78.6	ND	100	59.0 - 156	81.3	78.6	ug/L	3.38	43.0
Methyl ethyl ketone (Butanone)	2430020	103	96.5	2.90	100	0.100 - 211	100	93.6	ug/L	6.71	30.0
Methyl Isobutyl Ketone	2430020	97.8	97.6	ND	100	22.1 - 155	97.8	97.6	ug/L	0.205	30.0
Naphthalene	2430020	89.8	93.6	ND	100	7.49 - 156	89.8	93.6	ug/L	4.14	30.0
n-Butylbenzene	2430020	86.2	83.2	ND	100	0.100 - 152	86.2	83.2	ug/L	3.54	30.0
n-Propylbenzene	2430020	85.6	81.8	ND	100	0.100 - 145	85.6	81.8	ug/L	4.54	30.0
o-Dichlorobenzene (1,2-DCB)	2430020	80.2	77.1	ND	100	18.0 - 190	80.2	77.1	ug/L	3.94	57.0
o-Xylene	2430020	85.4	79.4	ND	100	15.9 - 112	85.4	79.4	ug/L	7.28	30.0
p-Dichlorobenzene (1,4-DCB)	2430020	75.6	75.5	ND	100	18.0 - 190	75.6	75.5	ug/L	0.132	57.0
p-Isopropyltoluene	2430020	82.6	78.8	ND	100	0.100 - 143	82.6	78.8	ug/L	4.71	30.0
sec-Butylbenzene	2430020	89.6	86.6	ND	100	0.100 - 147	89.6	86.6	ug/L	3.41	30.0
Styrene	2430020	84.6	77.8	ND	100	25.1 - 117	84.6	77.8	ug/L	8.37	30.0
tert-Butylbenzene	2430020	85.2	81.8	ND	100	0.100 - 145	85.2	81.8	ug/L	4.07	30.0
Tetrachloroethylene	2430020	79.9	74.4	ND	100	64.0 - 148	79.9	74.4	ug/L	7.13	39.0
Toluene	2430020	85.0	77.9	1.35	100	47.0 - 150	83.6	76.6	ug/L	8.86	41.0
trans-1,2-Dichloroethylene	2430020	72.9	66.4	ND	100	54.0 - 156	72.9	66.4	ug/L	9.33	45.0
trans-1,3-Dichloropropene	2430020	78.6	73.3	ND	100	17.0 - 183	78.6	73.3	ug/L	6.98	86.0
Trichloroethylene	2430020	79.0	74.4	ND	100	70.0 - 157	79.0	74.4	ug/L	6.00	48.0
Trichlorofluoromethane	2430020	82.6	76.3	ND	100	17.0 - 181	82.6	76.3	ug/L	7.93	84.0
Vinyl chloride	2430020	55.8	53.8	ND	100	0.100 - 251	55.8	53.8	ug/L	3.65	66.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURRE)	1186958	LCS	20.2	20.0	ug/L	101	70.0 - 130	127872787
1,2-DCA-d4 (SURRE)	1186958	LCS Dup	20.0	20.0	ug/L	100	70.0 - 130	127872788
1,2-DCA-d4 (SURRE)	1186958	Blank	20.3	20.0	ug/L	102	70.0 - 130	127872789
Bromofluorobenzene (SURRE)	1186958	LCS	20.0	20.0	ug/L	100	70.0 - 130	127872787
Bromofluorobenzene (SURRE)	1186958	LCS Dup	20.4	20.0	ug/L	102	70.0 - 130	127872788
Bromofluorobenzene (SURRE)	1186958	Blank	20.1	20.0	ug/L	100	70.0 - 130	127872789
Dibromofluoromethane (SURRE)	1186958	LCS	20.4	20.0	ug/L	102	70.0 - 130	127872787
Dibromofluoromethane (SURRE)	1186958	LCS Dup	20.5	20.0	ug/L	102	70.0 - 130	127872788
Dibromofluoromethane (SURRE)	1186958	Blank	19.6	20.0	ug/L	98.0	70.0 - 130	127872789
TolueneD8 (SURRE)	1186958	LCS	20.3	20.0	ug/L	102	70.0 - 130	127872787
TolueneD8 (SURRE)	1186958	LCS Dup	20.0	20.0	ug/L	100	70.0 - 130	127872788
TolueneD8 (SURRE)	1186958	Blank	19.5	20.0	ug/L	97.5	70.0 - 130	127872789
1,2-DCA-d4 (SURRE)	2429067	Unknown	20.3	20.0	ug/L	102	70.0 - 130	127872790
Bromofluorobenzene (SURRE)	2429067	Unknown	20.0	20.0	ug/L	100	70.0 - 130	127872790
Dibromofluoromethane (SURRE)	2429067	Unknown	20.0	20.0	ug/L	100	70.0 - 130	127872790
TolueneD8 (SURRE)	2429067	Unknown	19.5	20.0	ug/L	97.5	70.0 - 130	127872790
1,2-DCA-d4 (SURRE)	2430020	MS	20.5	20.0	ug/L	102	70.0 - 130	127872792
1,2-DCA-d4 (SURRE)	2430020	MSD	20.9	20.0	ug/L	104	70.0 - 130	127872793
Bromofluorobenzene (SURRE)	2430020	MS	19.7	20.0	ug/L	98.5	70.0 - 130	127872792
Bromofluorobenzene (SURRE)	2430020	MSD	20.3	20.0	ug/L	102	70.0 - 130	127872793

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QUALITY CONTROL



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Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Dibromofluoromethane (SURR)	2430020	MS	20.6	20.0	ug/L	103	70.0 - 130	127872792
Dibromofluoromethane (SURR)	2430020	MSD	20.9	20.0	ug/L	104	70.0 - 130	127872793
TolueneD8 (SURR)	2430020	MS	20.2	20.0	ug/L	101	70.0 - 130	127872792
TolueneD8 (SURR)	2430020	MSD	20.8	20.0	ug/L	104	70.0 - 130	127872793

* Out RPD is Relative Percent Difference: $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent: $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); MS - Matrix Spike (same solution and amount of target analyte added to the LCS is added to a second aliquot of sample; quantifies matrix bias.); MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); BFB - Bromofluorobenzene, GC/MS Tuning Compound (mass intensity used as tuning acceptance criteria.); Surrogate - Surrogate (mimics the analyte of interest but is unlikely to be found in environmental samples; added to analytical samples for QC purposes. **ANSI/ASQC E4 1994 Ref #4 TRADE QA Resources Guide.); IS Areas - Internal Standard Area (The area of the internal standard relative to a check standard. Internal Standard is a known concentration of an analyte(s) that is not a sample component or standard that is added to the sample and standard and is used to measure the relative responses of other analytes in the same sample or standard.); IS RetTime - Internal Standard Retention Time (the time the internal standard comes off the column. Internal Standard is a known concentration of an analyte(s) that is not a sample component or standard that is added to the sample and standard and is used to measure the relative responses of other analytes in the same sample or standard.)

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Sub-Contract Chain of Custody

Batch Date/Time: 07/16/25 16:58
 Sub-Contract Lab: ANALABKTX
 Address: 2600 Dudley Rd
 City/State: Kilgore, TX 75662-3730
 Contact:
 Tayna.Chitwood@spillabs.com
 Owner Lab: PACEMTJL
 Address: 12065 Lebanon Rd.
 City/State: Mt. Juliet, TN 37122
 Phone: (615) 773-9756
 Fax: (615) 758-5859

WO: WG2560915
 Email: MTJLSuboutTeam@pacelabs.com
 Results Due Date: 07/31/25
 ESC Purchase Order #: L1879050
 Send Reports to: James C Huckaba



12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 Phone: (615) 773-9756
 Fax: (615) 758-5859

2429067

Sample ID Container ID	Matrix	State	Collect Date	Description	Sample Number Lab Use Only	Sample Comments Lab Use Only
OUTFALL 001	WW	TX	07/16/25 08:00	Volatiles by 624.1	2. L1879050-01	
Relinquished by:	K. L. L. - Pace		Date	7/16/25	1700	
Received by:	FEDEX		Date	7/16/25		
Relinquished by:	FEDEX		Date	7/17/25	1030	
Received by:	MCC		Date	7/17/26	1030	

1155250 CoC Print Group 001 of 001

ORIGIN ID: DNEA (972) 727-1123
PACE ANALYTICAL
PACE ANALYTICAL
400 W. BETHANY DR #190
ALLEN, TX 75013
UNITED STATES US

SHIP D
ACTWG
CRD:
BIL

TO **SAMPLE RECEIVING
ANA LAB
2600 DUDLEY RD
KILGORE TX 75662**

6166126
75662-3730-00
THU 07/17 07:40
ANA LAB
2600 DUDLEY RD
KILGORE TX
PRIORITY OVERNIGHT
342-4055
ETD 1001961722+10007186200168288298440
SRCSN 1001961722+10007186200168288298440

(803) 884-0661 REF: DEAT:

**FedEx
Express**
E
J25 054111401 00

**THU - 17 JUL 10:30A
PRIORITY OVERNIGHT**

TRK# 0201 **4593 8829 8449**

4 7/17/25 1039 mmv.
Date Time Tech
Temp: 3.6 3.6 C
Therm#: 8205 Corr Fact: -0.2 C

**75662
TX-US SHV**

City of Bonham

Sample Delivery Group: L1893001

Samples Received: 08/28/2025

Project Number:

Description: Permit Renewal

Report To: Michael Seacat
2501 Seven Oaks Road
Bonham, TX 75418

Entire Report Reviewed By:



Dorothy P Roberts
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

OUTFALL 001 L1893001-01

Collected by

Collected date/time

Received date/time

08/26/25 06:00

08/28/25 08:40

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2590117	1	09/08/25 00:00	09/08/25 00:00	ANF	St. Rose, LA 70087
Subcontracted Analyses	WG2590121	1	09/11/25 00:00	09/11/25 00:00	-	Subcontract
Subcontracted Analyses	WG2590131	1	09/05/25 00:00	09/05/25 00:00	ANF	Subcontract

¹Cp

²Tc

³Ss

⁴Cn

⁵Gl

⁶Al

⁷Sc

CASE NARRATIVE

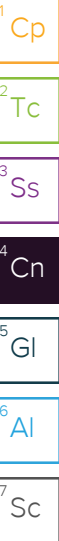
All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Dorothy P Roberts
Project Manager

Project Narrative

L1893001 -01 contains subout data that is included after the chain of custody.



GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

SDG	Sample Delivery Group.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



[illegible]

ANALYTICAL REPORT

PREPARED FOR

Attn: SuboutTeam PaceAnalytical
Pace Analytical National
12065 Lebanon Rd
Mt Juliet, Tennessee 37122

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JOB DESCRIPTION

L1893001

JOB NUMBER

570-244532-1

Eurofins Calscience

Job Notes

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Authorization



Authorized for release by
Sheri Fama, Project Manager I
Sheri.Fama@et.eurofinsus.com
(657)210-6368

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Definitions/Glossary

Client: Pace Analytical National
Project/Site: L1893001

Job ID: 570-244532-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: Pace Analytical National
Project: L1893001

Job ID: 570-244532-1

Job ID: 570-244532-1

Eurofins Calscience

Job Narrative 570-244532-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 8/30/2025 10:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C.

GC/MS Semi VOA

Method Organotins_SIM: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-619359.O'TIN-W

Method Organotins_SIM: The method blank for preparation batch 570-619359 and analytical batch 570-620950 contained Tributyltin above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

Eurofins Calscience

Sample Summary

Client: Pace Analytical National
Project/Site: L1893001

Job ID: 570-244532-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
570-244532-1	OUTFALL 001	Water	08/26/25 06:00	08/30/25 10:00	Texas

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Job ID: 570-244532-1

Lab Sample ID: 570-244532-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Tributyltin	3.7	B	2.8	1.4	ng/L	1			Organotins SIM	Total/NA

9/4/2025

Client Sample Results

Client: Pace Analytical National
Project/Site: L1893001

Job ID: 570-244532-1

Client Sample ID: OUTFALL 001

Lab Sample ID: 570-244532-1

Date Collected: 08/26/25 06:00

Matrix: Water

Date Received: 08/30/25 10:00

Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	3.7	B	2.8	1.4	ng/L		08/31/25 07:48	09/04/25 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenyltin	107		10 - 120				08/31/25 07:48	09/04/25 13:45	1

Surrogate Summary

Client: Pace Analytical National
Project/Site: L1893001

Job ID: 570-244532-1

Method: Organotins SIM - Organotins (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	TPTT (10-120)
570-244532-1	OUTFALL 001	107
LCS 570-619359/2-A	Lab Control Sample	110
LCSD 570-619359/3-A	Lab Control Sample Dup	89
MB 570-619359/1-A	Method Blank	66
Surrogate Legend		
TPTT = Triphenyltin		

Lab Chronicle

Client: Pace Analytical National
Project/Site: L1893001

Job ID: 570-244532-1

Client Sample ID: OUTFALL 001
Date Collected: 08/26/25 06:00
Date Received: 08/30/25 10:00

Lab Sample ID: 570-244532-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin			1065.4 mL	1 mL	619359	08/31/25 07:48	UWEZ	EET CAL 4
Total/NA	Analysis	Organotins SIM		1	1 mL	1 mL	620950	09/04/25 13:45	ULLI	EET CAL 4
Instrument ID: GCMSY										

Laboratory References:
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

QC Sample Results

Client: Pace Analytical National
Project/Site: L1893001

Job ID: 570-244532-1

Method: Organotins SIM - Organotins (GC/MS SIM)

Lab Sample ID: MB 570-619359/1-A

Matrix: Water

Analysis Batch: 620950

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 619359

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	1.509	J	3.0	1.5	ng/L		08/31/25 07:48	09/04/25 12:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tripentyltin	66		10 - 120				08/31/25 07:48	09/04/25 12:40	1

Lab Sample ID: LCS 570-619359/2-A

Matrix: Water

Analysis Batch: 620950

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 619359

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Tributyltin		178	184.9		ng/L		104	10 - 120	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
Tripentyltin	110		10 - 120						

Lab Sample ID: LCSD 570-619359/3-A

Matrix: Water

Analysis Batch: 620950

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 619359

Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tributyltin		178	199.6		ng/L		112	10 - 120	8	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
Tripentyltin	89		10 - 120							

QC Association Summary

Client: Pace Analytical National
Project/Site: L1893001

Job ID: 570-244532-1

GC/MS Semi VOA

Prep Batch: 619359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-244532-1	OUTFALL 001	Total/NA	Water	Organotin	
MB 570-619359/1-A	Method Blank	Total/NA	Water	Organotin	
LCS 570-619359/2-A	Lab Control Sample	Total/NA	Water	Organotin	
LCSD 570-619359/3-A	Lab Control Sample Dup	Total/NA	Water	Organotin	

Analysis Batch: 620950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-244532-1	OUTFALL 001	Total/NA	Water	Organotins SIM	619359
MB 570-619359/1-A	Method Blank	Total/NA	Water	Organotins SIM	619359
LCS 570-619359/2-A	Lab Control Sample	Total/NA	Water	Organotins SIM	619359
LCSD 570-619359/3-A	Lab Control Sample Dup	Total/NA	Water	Organotins SIM	619359

Accreditation/Certification Summary

Client: Pace Analytical National
Project/Site: L1893001

Job ID: 570-244532-1

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
Organotins SIM	Organotin	Water	Tributyltin
Oregon	NELAP	4175	02-02-26

Method Summary

Client: Pace Analytical National
Project/Site: L1893001

Job ID: 570-244532-1

Method	Method Description	Protocol	Laboratory
Organotins SIM	Organotins (GC/MS SIM)	Lab SOP	EET CAL 4
Organotin	Extraction (Organotins)	WRC	EET CAL 4

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

WRC = WRC Notebook 11431-39, ICI America's Western Research Center May, 1989.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sub-Contract Chain of Custody

Batch Date/Time: 08/28/25 15:40
Sub-Contract Lab: CALSCIGCA
Address: 2841 Dow Avenue, Suite 100
City/State: Tustin, CA 92780
Contact:
Sheri.Fama@Eurofinset.com
Owner Lab: PACEMTJL
Address: 12065 Lebanon Rd.
City/State: Mt. Juliet, TN 37122
Phone: (615) 773-9756
Fax: (615) 758-5859

WO: WG2590131
Email: MTJLSuboutTeam@pacelabs.com
Results Due Date: 09/12/25
ESC Purchase Order #: L1893001
Send Reports to: James C Huckaba



12065 Lebanon Rd.
Mt. Juliet, TN 37122
Phone: (615) 773-9756
Fax: (615) 758-5859

Sample ID Container ID	Matrix	State	Collect Date	Description	Sample Number Lab Use Only	Sample Comments Lab Use Only
OUTFALL 001 1L-Amb NoPres - 53420895 1L-Amb NoPres - 53420896	GW	TX	08/26/25 06:00	Tributyltin	2. L1893001-01	Tributyltin

*= Container used for multiple Samples and/or Analyses

Relinquished by: [Signature] Date: 8-29-25
Received by: [Signature] Date: _____
Relinquished by: [Signature] Date: _____
Received by: [Signature] Date: 9/30/25 10:00

1.2 / 1.2 IR92



570-244532 Chain of Custody

Login Sample Receipt Checklist

Client: Pace Analytical National

Job Number: 570-244532-1

Login Number: 244532

List Source: Eurofins Calscience

List Number: 1

Creator: Fama, Sheri M

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



September 08, 2025

Jimmy Huckaba
Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122

RE: Project: L1893001 / WG2590117
Pace Project No.: 20365557

Dear Jimmy Huckaba:

Enclosed are the analytical results for sample(s) received by the laboratory on August 30, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - New Orleans

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Devin McDougal'.

Devin McDougal
devin.mcdougal@pacelabs.com
(225) 769-4900
Project Manager

Enclosures

cc: Jimmie Huckaba, Pace National
SuboutTeam, Pace National
Jeremy Watkins



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: L1893001 / WG2590117

Pace Project No.: 20365557

Pace Analytical Services New Orleans

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 2000662023-7

Kansas Department of Health and Environment (NELAC):
E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Texas Commission on Env. Quality (NELAC):

T104704405-23-18

U.S. Dept. of Agriculture Foreign Soil Import: 525-23-117-
89728

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: L1893001 / WG2590117

Pace Project No.: 20365557

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20365557001	Outfall 001	Water	08/26/25 06:00	08/30/25 09:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: L1893001 / WG2590117

Pace Project No.: 20365557

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20365557001	Outfall 001	EPA 8260B	JRP	4

PASI-N = Pace Analytical Services - New Orleans

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: L1893001 / WG2590117

Pace Project No.: 20365557

Method: EPA 8260B

Description: 8260 MSV

Client: PACE_ANALYTICAL NATIONAL CENTER FOR TESTING AND INNOVATION

Date: September 08, 2025

General Information:

1 sample was analyzed for EPA 8260B by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 370080

S0: Surrogate recovery outside laboratory control limits.

- MS (Lab ID: 1794465)
 - Dibromofluoromethane (S)
- MSD (Lab ID: 1794466)
 - Dibromofluoromethane (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: L1893001 / WG2590117

Pace Project No.: 20365557

Sample: Outfall 001		Lab ID: 20365557001		Collected: 08/26/25 06:00		Received: 08/30/25 09:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260B									
Initial Volume/Weight: 5 mL Final Volume/Weight: 5 mL									
Pace Analytical Services - New Orleans									
Epichlorohydrin	ND	ug/L	200	24.9	1		09/04/25 12:54	106-89-8	
Surrogates									
Toluene-d8 (S)	102	%.	76-124		1		09/04/25 12:54	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	78-121		1		09/04/25 12:54	460-00-4	
Dibromofluoromethane (S)	126	%.	74-128		1		09/04/25 12:54	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: L1893001 / WG2590117
Pace Project No.: 20365557

QC Batch:	370080	Analysis Method:	EPA 8260B
QC Batch Method:	EPA 8260B	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - New Orleans

Associated Lab Samples: 20365557001

METHOD BLANK: 1794463 Matrix: Water

Associated Lab Samples: 20365557001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Epichlorohydrin	ug/L	ND	200	24.9	09/04/25 10:59	
4-Bromofluorobenzene (S)	%.	94	78-121		09/04/25 10:59	
Dibromofluoromethane (S)	%.	124	74-128		09/04/25 10:59	
Toluene-d8 (S)	%.	101	76-124		09/04/25 10:59	

METHOD BLANK: 1794975 Matrix: Water

Associated Lab Samples: 20365557001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Epichlorohydrin	ug/L	ND	200	24.9	09/05/25 09:02	
4-Bromofluorobenzene (S)	%.	103	78-121		09/05/25 09:02	
Dibromofluoromethane (S)	%.	98	74-128		09/05/25 09:02	
Toluene-d8 (S)	%.	98	76-124		09/05/25 09:02	

LABORATORY CONTROL SAMPLE: 1794464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%.			98	78-121	
Dibromofluoromethane (S)	%.			118	74-128	
Toluene-d8 (S)	%.			103	76-124	

LABORATORY CONTROL SAMPLE: 1794976

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%.			99	78-121	
Dibromofluoromethane (S)	%.			94	74-128	
Toluene-d8 (S)	%.			98	76-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1794465 1794466

Parameter	Units	20365557001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
4-Bromofluorobenzene (S)	%.						101	98	78-121		
Dibromofluoromethane (S)	%.						132	133	74-128		S0

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: L1893001 / WG2590117

Pace Project No.: 20365557

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
1794465					1794466							
		20365557001	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Parameter	Units	Result										
Toluene-d8 (S)	%.						102	102	76-124			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: L1893001 / WG2590117

Pace Project No.: 20365557

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

ANALYTE QUALIFIERS

S0 Surrogate recovery outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L1893001 / WG2590117

Pace Project No.: 20365557

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20365557001	Outfall 001	EPA 8260B	370080		

REPORT OF LABORATORY ANALYSIS

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Sub-Contract Chain of Custody

Batch Date/Time: 08/28/25 15:28
Sub-Contract Lab: PACESRLA
Address: 1000 Riverbend Blvd Suite
F

City/State: St. Rose, LA 70087

Contact:

devin.mcdougal@pacelabs.com

Owner Lab: PACEMTJL

Address: 12065 Lebanon Rd.

City/State: Mt. Juliet, TN 37122

Phone: (615) 773-9756

Fax: (615) 758-5859

WO: WG2590117

Email: MTJLSuboutTeam@pacelabs.com

Results Due Date: 09/12/25

ESC Purchase Order #: L1893001

Send Reports to: James C Huckaba



12065 Lebanon Rd.
Mt. Juliet, TN 37122
Phone: (615) 773-9756
Fax: (615) 758-5859

Sample ID Container ID	Matrix	State	Collect Date	Description	Sample Number Lab Use Only	Sample Comments Lab Use Only
OUTFALL 001						
40mlAmb HCl - 53420892	GW	TX	08/26/25 06:00	VOC by 8260	2. L1893001-01	Epichlorohydrin 8260
40mlAmb HCl - 53420893						
40mlAmb HCl - 53420894						

*= Container used for multiple Samples and/or Analyses

Relinquished by: 

Date

8-29-25

Received by: Fed Exp

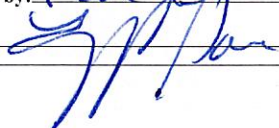
Date

Relinquished by: Fed Exp

Date

8/30/2025

0915

Received by: 

Date

8/30/2025

0915

2-7

18541 L-9

WO#: 20365557



20365557



Sample Condition Upon Receipt

WO#: 20365557

PM: DRM

Due Date: 09/16/25

CLIENT: BR-PACE PAN

Work

1000 Riverbend Blvd, Suite F, St. Rose, LA 70087

Cooler Inspected by/date:

JMS / 8/30/2025

Means of receipt:		☐ Pace	☐ Client	☐ UPS	☒ FedEx	☐ Other:
☒ Yes	☐ No	☐ NA	Were custody seals present on the cooler?			
☒ Yes	☐ No	☐ NA	If custody seals were present, were they intact and unbroken?			
Method:		☒ Temperature Blank	☐ Against Bottles	IR Gun ID: 12		IR Gun Correction Factor: 0 °C
Cooler #1	Cooler Temp °C:	2.7	(Actual/True)	Samples on ice		pH Strip Lot #
Cooler #2	Cooler Temp °C:		(Actual/True)	☒ Yes	☐ No	
Cooler #3	Cooler Temp °C:		(Actual/True)	Method of coolant:		
Cooler #4	Cooler Temp °C:		(Actual/True)	☒ Wet	☐ Ice Packs	☐ Dry Ice ☐ None
Tracking #: 4746 8275 5450						
☒ Yes	☐ No	☐ NA	Is a temperature blank present?			
☒ Yes	☐ No	☐ NA	Was a chain of custody (COC) received?			
☐ Yes	☒ No	☐ NA	Was the line and profile number listed on the COC?			
☒ Yes	☐ No	☐ NA	Were all coolers received at or below 6.0°C? If no, notify Project Manager via email.			
☒ Yes	☐ No	☐ NA	Email Notification Date and Time:			
☒ Yes	☐ No	☐ NA	Were proper custody procedures (relinquished/received) followed?			
☐ Yes	☒ No	☐ NA	Is the sampler name and signature on the COC?			
☒ Yes	☐ No	☐ NA	Were sample IDs listed on the COC and all sample containers?			
☒ Yes	☐ No	☐ NA	Was collection date & time listed on the COC and all sample containers?			
☒ Yes	☐ No	☐ NA	Did all container label information (ID, date, time) agree with the COC?			
☒ Yes	☐ No	☐ NA	Were tests to be performed listed on the COC?			
☒ Yes	☐ No	☐ NA	Did all samples arrive in the proper containers for each test and in good condition (unbroken, lids on, etc.)?			
☒ Yes	☐ No	☐ NA	Was adequate sample volume available?			
☒ Yes	☐ No	☐ NA	Were all samples received within ½ the holding time or 48 hours, whichever comes first?			
☒ Yes	☐ No	☐ NA	Were all samples containers accounted for? (No missing/excess)			
☒ Yes	☐ No	☐ NA	Were VOA, 8015C (GRO/VPH), and RSK-175 samples free of bubbles > "pea size" (1/4" or 6mm in diameter) in any of the VOA vials?			
☐ Yes	☒ No	☐ NA	Was there a trip blank present?			
☐ Yes	☐ No	☒ NA	Filtered volume received for dissolved tests? If no, list affected sample(s) in comments below.			
☐ Yes	☐ No	☒ NA	Were all metals/nutrient samples received at a pH of < 2?		If No, was preservative added? ☐ Yes ☐ No	
☐ Yes	☐ No	☒ NA	Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?		If added, record lots. Dispenser/pipette lot #: _____ HNO3 _____ H2SO4 _____ NaOH _____ Date: _____ Time: _____	
Comments:						

ANALYTICAL REPORT

PREPARED FOR

Attn: Shannon Tyrell-Swadis
Pace Analytical National
12065 Lebanon Rd
Mt Juliet, Tennessee 37122

Generated 9/11/2025 4:58:41 PM

JOB DESCRIPTION

Outfall 001

JOB NUMBER

860-110449-1

Eurofins Houston

Job Notes

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
9/11/2025 4:58:41 PM

Authorized for release by
Sachin Kudchadkar, Senior Project Manager
Sachin.Kudchadkar@et.eurofinsus.com
(281)748-9025

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Definitions/Glossary

Client: Pace Analytical National
Project/Site: Outfall 001

Job ID: 860-110449-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.

Glossary

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

Case Narrative

Client: Pace Analytical National
Project: Outfall 001

Job ID: 860-110449-1

Job ID: 860-110449-1

Eurofins Houston

Job Narrative 860-110449-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 8/30/2025 8:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

GC/MS Semi VOA

Method 625.1: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: Outfall 001 (860-110449-1). These results have been reported and qualified.

Method 625.1: The following sample was re-prepared and re-analyzed outside of preparation holding time due to initial analysis LCS/LCSD recoveries outside control limits (biased low): Outfall 001 (860-110449-1).

Method 625.1: The laboratory control sample (LCS) for preparation batch 860-260794 and analytical batch 860-261145 recovered outside control limits for the following analyte: Bisphenol-A. The associated sample(s) was re-prepared and/or re-analyzed outside holding time.

Method 625.1: The laboratory control sample (LCS) for preparation batch 860-259906 and analytical batch 860-260455 recovered outside control limits for the following analyte: Bisphenol-A. The associated sample(s) was re-prepared and/or re-analyzed outside holding time.

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

Eurofins Houston

Detection Summary

Client: Pace Analytical National
Project/Site: Outfall 001

Job ID: 860-110449-1

Client Sample ID: Outfall 001

Lab Sample ID: 860-110449-1

No Detections.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Pace Analytical National
Project/Site: Outfall 001

Job ID: 860-110449-1

Client Sample ID: Outfall 001

Lab Sample ID: 860-110449-1

Date Collected: 08/26/25 06:00

Matrix: Water

Date Received: 08/30/25 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bisphenol-A	<0.010	*-	0.010	0.010	mg/L		09/02/25 14:54	09/10/25 15:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	70		31 - 132				09/02/25 14:54	09/10/25 15:46	1
2-Fluorobiphenyl (Surr)	62		29 - 112				09/02/25 14:54	09/10/25 15:46	1
2-Fluorophenol (Surr)	31		28 - 114				09/02/25 14:54	09/10/25 15:46	1
Nitrobenzene-d5 (Surr)	62		15 - 314				09/02/25 14:54	09/10/25 15:46	1
p-Terphenyl-d14 (Surr)	71		20 - 141				09/02/25 14:54	09/10/25 15:46	1
Phenol-d5 (Surr)	20		8 - 424				09/02/25 14:54	09/10/25 15:46	1

Surrogate Summary

Client: Pace Analytical National
Project/Site: Outfall 001

Job ID: 860-110449-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (31-132)	FBP (29-112)	2FP (28-114)	NBZ (15-314)	TPHd14 (20-141)	PHL (8-424)
860-110449-1	Outfall 001	70	62	31	62	71	20
LCS 860-259906/2-A	Lab Control Sample	88	73	65	74	79	57
LCSD 860-259906/3-A	Lab Control Sample Dup	92	69	73	80	80	65
MB 860-259906/1-A	Method Blank	81	80	69	80	89	57

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

PHL = Phenol-d5 (Surr)

QC Sample Results

Client: Pace Analytical National
Project/Site: Outfall 001

Job ID: 860-110449-1

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

Lab Sample ID: MB 860-259906/1-A

Matrix: Water

Analysis Batch: 260455

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 259906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bisphenol-A	<0.010		0.010	0.010	mg/L		09/02/25 14:54	09/08/25 13:57	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		31 - 132				09/02/25 14:54	09/08/25 13:57	1
2-Fluorobiphenyl (Surr)	80		29 - 112				09/02/25 14:54	09/08/25 13:57	1
2-Fluorophenol (Surr)	69		28 - 114				09/02/25 14:54	09/08/25 13:57	1
Nitrobenzene-d5 (Surr)	80		15 - 314				09/02/25 14:54	09/08/25 13:57	1
p-Terphenyl-d14 (Surr)	89		20 - 141				09/02/25 14:54	09/08/25 13:57	1
Phenol-d5 (Surr)	57		8 - 424				09/02/25 14:54	09/08/25 13:57	1

Lab Sample ID: LCS 860-259906/2-A

Matrix: Water

Analysis Batch: 260455

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 259906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bisphenol-A	0.0400	0.0269	*-	mg/L		67	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
2,4,6-Tribromophenol (Surr)	88		31 - 132				
2-Fluorobiphenyl (Surr)	73		29 - 112				
2-Fluorophenol (Surr)	65		28 - 114				
Nitrobenzene-d5 (Surr)	74		15 - 314				
p-Terphenyl-d14 (Surr)	79		20 - 141				
Phenol-d5 (Surr)	57		8 - 424				

Lab Sample ID: LCSD 860-259906/3-A

Matrix: Water

Analysis Batch: 260455

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 259906

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bisphenol-A	0.0400	0.0304		mg/L		76	70 - 130	12	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
2,4,6-Tribromophenol (Surr)	92		31 - 132						
2-Fluorobiphenyl (Surr)	69		29 - 112						
2-Fluorophenol (Surr)	73		28 - 114						
Nitrobenzene-d5 (Surr)	80		15 - 314						
p-Terphenyl-d14 (Surr)	80		20 - 141						
Phenol-d5 (Surr)	65		8 - 424						

QC Association Summary

Client: Pace Analytical National
Project/Site: Outfall 001

Job ID: 860-110449-1

GC/MS Semi VOA

Prep Batch: 259906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-110449-1	Outfall 001	Total/NA	Water	625	
MB 860-259906/1-A	Method Blank	Total/NA	Water	625	
LCS 860-259906/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 860-259906/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 260455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-259906/1-A	Method Blank	Total/NA	Water	625.1	259906
LCS 860-259906/2-A	Lab Control Sample	Total/NA	Water	625.1	259906
LCSD 860-259906/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	259906

Prep Batch: 260794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-110449-1 - RE	Outfall 001	Total/NA	Water	625	
MB 860-260794/1-A	Method Blank	Total/NA	Water	625	
LCS 860-260794/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 860-260794/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 261023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-110449-1	Outfall 001	Total/NA	Water	625.1	259906

Analysis Batch: 261145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-260794/1-A	Method Blank	Total/NA	Water	625.1	260794
LCS 860-260794/2-A	Lab Control Sample	Total/NA	Water	625.1	260794
LCSD 860-260794/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	260794

Analysis Batch: 261285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-110449-1 - RE	Outfall 001	Total/NA	Water	625.1	260794

Lab Chronicle

Client: Pace Analytical National
Project/Site: Outfall 001

Job ID: 860-110449-1

Client Sample ID: Outfall 001
Date Collected: 08/26/25 06:00
Date Received: 08/30/25 08:30

Lab Sample ID: 860-110449-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	625			1000 mL	1 mL	259906	09/02/25 14:54	BH	EET HOU
Total/NA	Analysis	625.1		1	1 mL	1 mL	261023	09/10/25 15:46	LPL	EET HOU
Total/NA	Prep	625	RE		1000 mL	1 mL	260794	09/09/25 11:49	BH	EET HOU
Total/NA	Analysis	625.1	RE	1	1 mL	1 mL	261285	09/11/25 13:54	LPL	EET HOU

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

Accreditation/Certification Summary

Client: Pace Analytical National
Project/Site: Outfall 001

Job ID: 860-110449-1

Laboratory: Eurofins Houston

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
625.1	625	Water	Bisphenol-A

Method Summary

Client: Pace Analytical National
Project/Site: Outfall 001

Job ID: 860-110449-1

Method	Method Description	Protocol	Laboratory
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET HOU
625	Liquid-Liquid Extraction	EPA	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: Pace Analytical National
Project/Site: Outfall 001

Job ID: 860-110449-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
860-110449-1	Outfall 001	Water	08/26/25 06:00	08/30/25 08:30	Texas

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Sub-Contract Chain of Custody

Batch Date/Time: 08/28/25 15 32

Sub-Contract Lab: TAHTX

Address: 4147 Greenbriar Dr

City/State: Stafford, TX 77477

Contact:

Sonia.Vest@ct.curofinus.com

Owner Lab: PACEMTJL

Address: 12065 Lebanon Rd.

City/State: Mt. Juliet, TN 37122

Phone: (615) 773-9756

Fax: (615) 758-5859

WO: WG2590121

Email: MTJLSuboutTeam@pacelabs.com

Results Due Date: 09/12/25

ESC Purchase Order #: L1893001

Send Reports to: James C Huckaba

12065 Lebanon Rd.

Mt. Juliet, TN 37122

Phone: (615) 773-9756

Fax: (615) 758-5859

Face Analytical

Sample ID

Container ID

OUTFALL 001

Matrix

State

Collect Date

Description

Sample Number

Sample Comments

IL-Amb NoPres

53420897

TX

08/26/25 06:00

Bisphenol A

I L1893001-01

Bisphenol A

*= Container used for multiple Samples and/or Analyses

Received by: *[Signature]*

Date: *8-29-25*

Relinquished by: *[Signature]*

Date: *8-29-25*

Received by: *[Signature]*

Date: *8-30-25*

Relinquished by: *[Signature]*

Date: *8-30-25*

Received by: *[Signature]*

Date: *8-30-25*

Relinquished by: *[Signature]*

Date: *8-30-25*

32/30

Nov 366

860-110449 Chain of Custody



Page 15 of 16

9/11/2025

Login Sample Receipt Checklist

Client: Pace Analytical National

Job Number: 860-110449-1

Login Number: 110449

List Source: Eurofins Houston

List Number: 1

Creator: Jimenez, Nicanor

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



ANALYTICAL REPORT

September 05, 2025

City of Bonham

Sample Delivery Group: L1892997
Samples Received: 08/28/2025
Project Number:
Description: Permit Renewal

Report To: Michael Seacat
2501 Seven Oaks Road
Bonham, TX 75418

Entire Report Reviewed By:

Shane Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

ACCOUNT:

PROJECT:

SDG:

DATE/TIME:

PAGE:

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SAMPLE SUMMARY

OUTFALL 001 L1892997-01				Collected by	Collected date/time	Received date/time
					08/26/25 06:00	08/28/25 08:40
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
SVOC-GC-GLYCOLS by Method 8015D	WG2589966	1	08/28/25 19:51	08/31/25 16:26	NH	Mt. Juliet, TN



CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Shane Gambill
Project Manager

OUTFALL 001

Collected date/time: 08/26/25 06:00

SAMPLE RESULTS - 01

L1892997

SVOC-GC-GLYCOLS by Method 8015D

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Ethylene glycol	U	J4	2.44	5.00	5.00	1	08/31/2025 16:26	WG2589966
(S) 1,3-Propanediol	113		1.67	5.00	28.0-145		08/31/2025 16:26	WG2589966

Method Blank (MB)

(MB) R4267297-1 08/31/25 14:31					
Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l	
Ethylene glycol	U		2.44	5.00	
(S) 1,3-Propanediol	113			28.0-145	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4267297-2 08/31/25 14:40 • (LCSD) R4267297-3 08/31/25 14:50									
Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD Limits %
Ethylene glycol	90.0	107	115	119	128	80.0-120		J4	7.21
(S) 1,3-Propanediol				106	110	28.0-145			20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Qualifier	Description
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

ACCOUNT:

PROJECT:

SDG:

DATE/TIME:

PAGE:

[illegible]

Francesca Findlay
Application Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

October 3, 2025

Re: Application to Renew for Permit No.: WQ0010070001 (EPA I.D. No. TX0021814)
Applicant Name: City of Bonham (CN600435762)
Site Name: City of Bonham WWTP (RN101919850)
Type of Application: Renewal without changes

Ms. Findlay -

Enclosed within are one (1) original response and one (1) copies of the Notice of Deficiency (NOD) letter dated October 2, 2025 (see attached to this letter). Please see the following response to each of the items listed in the NOD letter.

1. See attached revised Section II Item 17 of the Core Data Form and
2. See attached Plain Language Summary in Spanish.
3. See attached Translated Spanish Nori.
4. The NORI is correct as written.

Thank you for your time reviewing this application. If you have any questions or need more information, please contact me at (903) 785-0303 or at dhunter@haytereng.com.

Sincerely,

Hayter Engineering

Daniel Hunter, EIT
Design Engineer I



10/3/2025

Enclosures:

1. NOD Letter dated October 3, 2025.
2. Core Data Form
3. Plain Language Summary in Spanish.
4. Translated Spanish Nori.

Brooke T. Paup, *Chairwoman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 2, 2025

Mr. Daniel Hunter, E.I.T.
Design Engineer
Hayter Engineering
4445 South East Loop 286
Paris, Texas 75460

RE: Application to Renew for Permit No.: WQ0010070001 (EPA I.D. No. TX0021814)
Applicant Name: City of Bonham (CN600435762)
Site Name: City of Bonham WWTP (RN101919850)
Type of Application: Renewal without changes

VIA EMAIL

Dear Mr. Hunter:

We have received the application for the above referenced permit, and it is currently under review. Your attention to the following item(s) are requested before we can declare the application administratively complete. Please submit responses to the following items via email.

1. Core Data Form, Section II, Item 17: Please provide an email address.
2. Please provide the Plain Language Summary in Spanish.
3. Please provide the Translated Spanish Nori.
4. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

Mr. Daniel Hunter, E.I.T.
Page 2
October 2, 2025
Permit No. WQ0010070001

APPLICATION. City of Bonham, 514 Chestnut, Bonham, Texas 75418, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010070001 (EPA I.D. No. TX0021814) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 2,500,000 gallons per day. The domestic wastewater treatment facility is located at 2501 Seven Oaks Road, in the city of Bonham, in Fannin County, Texas 75418. The discharge route is from the plant site to Pig Branch; thence to Bois d'Arc Creek; thence to Red River Below Lake Texoma. TCEQ received this application on September 30, 2025. The permit application will be available for viewing and copying at Bonham City Hall, Foyer, 514 Chestnut, Bonham, in Fannin 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.

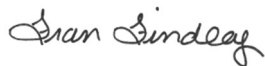
<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.155931,33.588952&level=18>

Further information may also be obtained from City of Bonham at the address stated above or by calling Mr. Lance Capehart, Director of Public Works, at 903-583-7555.

5. The application indicates that public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a Microsoft Word document.

Please submit the complete response, addressed to my attention by October 17, 2025. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-2441 or by email at Francesca.Findlay@tceq.texas.gov

Sincerely,



Francesca Findlay
Application Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality

ff

Enclosure(s)

cc: Mr. Brandon Dusenberry, P.E., Project Engineer, Hayter Engineering, 4445 South East Loop 286, Paris, Texas 75460

Mr. Daniel Hunter, E.I.T.

Page 3

October 2, 2025

Permit No. WQ0010070001



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 600435762		RN 101919850

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership			
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
City of Bonham			
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:		Partnership: ☐ General ☐ Limited	
☐ Corporation		☐ Individual	
Government: ☒ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other		☐ Sole Proprietorship ☐ Other:	
12. Number of Employees		13. Independently Owned and Operated?	
☐ 0-20 ☐ 21-100 ☒ 101-250 ☐ 251-500 ☐ 501 and higher		☒ Yes ☐ No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other:			
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant			
15. Mailing Address:	514 Chestnut		
	City	State	TX
	Bonham	ZIP	75418
		ZIP + 4	3738
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		spate@cityofbonham.org	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(903) 583-7555		() -	

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.)	
Bonham Wastewater Treatment Plant	
23. Street Address of the Regulated Entity:	2501 Seven Oaks Road

<i>(No PO Boxes)</i>								
City	Bonham	State	TX	ZIP	75418	ZIP + 4	3738	
24. County	Fannin							

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

25. Description to Physical Location:	N/A							
26. Nearest City	Bonham				State	TX	Nearest ZIP Code	75418
<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:	33.59134			28. Longitude (W) In Decimal:	96.155763			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
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? <i>(Do not repeat the SIC or NAICS description.)</i>								
Treat minupal sewaage before discharge								
34. Mailing Address:	514 Chestnut							
City	Bonham	State	TX	ZIP	75418	ZIP + 4	3738	
35. E-Mail Address:								
36. Telephone Number	37. Extension or Code			38. Fax Number <i>(if applicable)</i>				
(903) 583-7555				() -				

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.

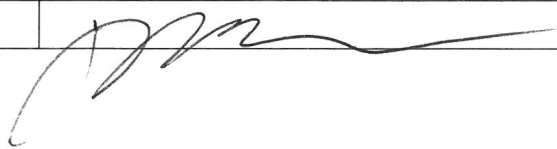
☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
WQ00100701001				

SECTION IV: Preparer Information

40. Name:	Daniel Hunter	41. Title:	Design Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(903) 785-0303		(903) 785-0308	dhunter@haytereng.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:	Hayter Engineering	Job Title:	Design Engineer	
Name (In Print):	Daniel Hunter	Phone:	(903) 785- 303	
Signature:			Date:	10/3/2025

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

AGUAS RESIDUALES DOMÉSTICAS

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 son representaciones federales exigibles de la solicitud de permiso.

Ciudad de Bonham (CN600435762) opera Ciudad de Bonham planta de tratamiento de aguas residuales domésticos (RN101919850), la planta de proceso de lodos activados. La instalación está ubicada en 2501 Seven Oaks Road, en La Ciudad de Bonham, Condado de Fannin, Texas 75418. Esta solicitud es para una renovación para descargar a un flujo promedio anual de 2,500,000 galones por día de aguas residuales domésticas tratadas a través del Emisario 1.

Se espera que las descargas de la instalación sólidos suspendidos totales, nitrógeno nitrato, nitrógeno Kjeldahl, sulfato, cloruro, fósforo, oxígeno disuelto, cloro residual, E. coli y sólidos disueltos totales. Se incluyen contaminantes potenciales adicionales en el Informe Técnico Nacional 1.0, Sección 7 Análisis de Contaminantes del Efluente Tratado. Aguas residuales domésticas es tratado por una planta de proceso de lodos activados y las unidades de tratamiento incluirán un afluente que fluye a través del triturador y la eliminación de arena hasta la estación de bombeo principal, cuatro reactores secuenciales por lotes (SBR) aeróbicos y un canal de desinfección ultravioleta hasta el canal Parshall y luego al emisario. Los lodos se eliminan desde la cuenca SBR a dos digestores aeróbicos hasta el área de eliminación de lodos que consta de una rampa de deshidratación de lodos de 30 yardas cúbicas, cuatro lechos de secado de medios plásticos y cuatro lechos de secado de arena convencionales.

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. WQ0010070001

SOLICITUD. Ciudad de Bonham, 514 Chestnut, Bonham, Texas 75418, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010070001 (EPA I.D. No. TX TX0021814) 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 2,500,000 galones por día. La planta está ubicada 2501 Seven Oaks Road en el Condado de Fannin, Texas 75418. La ruta de descarga es del sitio de la planta a Pig Branch; de allí a Bois d'Arc Creek; de allí a Red River Below Lago Texoma. La TCEQ recibió esta solicitud el 30 de Septiembre de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Bonham City Hall, Foyer, 514 Chestnut, Bonham, en el Condado de Fannin, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

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

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

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.155931,33.588952&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 Ciudad de Bonham a la dirección indicada arriba o llamando a Lance Capehart, Director de Obras Públicas al 903-583-7555.

Fecha de emisión: *[Date notice issued]*

Francesca Findlay

From: Daniel Hunter <dhunter@haytereng.com>
Sent: Tuesday, October 14, 2025 9:38 AM
To: Francesca Findlay
Cc: Brandon Dusenberry
Subject: RE: WQ0010070001 City of Bonham
Attachments: City of Bonham Response to NOD.pdf

Francesca,

Please see the City of Bonham's response attached.

Thank you,

Daniel Hunter
Design Engineer I



TxEng F-315 | TxSurv F-10028600 | OSBPE/LS #603 | ASBPE #2521
4445 SE Loop 286 | Paris, TX 75460
O: 903.785.0303 C: 469.644.0703
www.haytereng.com

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Thursday, October 2, 2025 3:25 PM
To: Daniel Hunter <dhunter@haytereng.com>
Cc: Brandon Dusenberry <bdusenberry@haytereng.com>
Subject: FW:WQ0010070001 City of Bonham

Dear Mr. Hunter:

The attached Notice of Deficiency letter sent on October 2, 2025, requesting additional information needed to declare the application administratively complete. Please send the complete response to my attention October 17, 2025.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality



Please consider whether it is necessary to print this e-mail

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

Francesca Findlay

From: Daniel Hunter <dhunter@haytereng.com>
Sent: Wednesday, October 15, 2025 4:05 PM
To: Francesca Findlay
Cc: Brandon Dusenberry
Subject: RE: WQ0010070001 City of Bonham
Attachments: Municipal Discharge Renewal Spanish NORI.docx

Francesca,

Please see the word document attached.

Thank you,

Daniel Hunter
Design Engineer I



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From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Wednesday, October 15, 2025 4:03 PM
To: Daniel Hunter <dhunter@haytereng.com>
Cc: Brandon Dusenberry <bdusenberry@haytereng.com>
Subject: RE: WQ0010070001 City of Bonham

Good afternoon,

I am reviewing your documents, and I noticed that the Spanish Nori needs to be separate, and in a word document. Please let me know if you have any questions.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality



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

From: Daniel Hunter <dhunter@haytereng.com>
Sent: Tuesday, October 14, 2025 9:38 AM
To: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Cc: Brandon Dusenberry <bdusenberry@haytereng.com>
Subject: RE: WQ0010070001 City of Bonham

Francesca,

Please see the City of Bonham's response attached.

Thank you,

Daniel Hunter
Design Engineer I

HAYTERSM
ENGINEERING

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