Administrative Package Cover Page

This file contains the following documents:

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

Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

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

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

City of Victoria (CN600243257) operates the Victoria Regional Wastewater Treatment Facility (RN102739703), an activated sludge process plant operated in the complete mix mode. The facility is located at 923 U.S. Highway 59 South, in City of Victoria, Victoria County, Texas 77905. This application is for a renewal to discharge at an annual average flow of 9.6 million gallons per day of treated domestic wastewater to the Guadalupe River.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by a bar screen, grit chambers, aeration basins, secondary clarifiers, a sludge holding tank, belt filter presses, chlorine contact basins, and dechlorination chambers.

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

AGUAS RESIDUALES DOMÉSTICAS /**AGUAS PLUVIALES**

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

La Ciudad de Victoria (CN600243257) opera la Instalación Regional de Tratamiento de Aguas Residuales de Victoria (RN102739703), una planta de procesamiento de lodos activados que opera en el modo de mezcla completa. La instalación está ubicada en 923 U.S. Highway 59 South, en la ciudad de Victoria, en Victoria, Condado de Victoria, Texas 77905. Esta solicitud es para una renovación para descargar a un flujo promedio anual de 9.6 millones de galones por día de aguas residuales domésticas tratadas al río Guadalupe.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli. En la sección 7 Análisis de Contaminantes de Efluentes Tratados del Informe Técnico Doméstico 1.0 en el paquete de solicitud de permisos se incluyen contaminantes potenciales adicionales. Las aguas residuales domésticas se tratan mediante una rejilla, desarenador, cuencas de aireación, clarificadores secundarios, un tanque de retención de lodos, filtros prensa de banda, cuencas de contacto con cloro y compartimientos de decloración.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0011078001

APPLICATION. City of Victoria, P.O. Box 1758, Victoria, Texas 77902, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0011078001 (EPA I.D. No. TX0025186) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 9,600,000 gallons per day. The domestic wastewater treatment facility is located at 923 U.S. Highway 59 South, in the city of Victoria, in Victoria County, Texas 77905. The discharge route is from the plant site to Guadalupe River Below the San Marcos River. TCEQ received this application on February 19, 2025. The permit application will be available for viewing and copying at Victoria Public Library, information desk, 302 North Main Street, Victoria, in Victoria 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=-97.003333,28.756388&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 Victoria at the address stated above or by calling Mr. Ken Gill, Public Works Director, at 361-485-3381.

Issuance Date: March 11, 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. WQ0011078001

SOLICITUD. La Ciudad de Victoria, P.O. Box 1758, Victoria, Texas 77902, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0011078001 (EPA I.D. No. TX0025186) 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 9,600,000 galones por día. La planta está ubicada en 923 U.S. Highway 59 South, en la ciudad de Victoria, en el Condado de Victoria, Texas. La ruta de descarga es del sitio de la planta hasta el río Guadalupe, debajo del río San Marcos. La TCEQ recibió esta solicitud el 19 de febrero de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Biblioteca Pública de Victoria, mostrador de información, 302 North Main Street, Victoria, en el condado de Victoria, Texas, antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.003333,28.756388&level=18

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida**

directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso. Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

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

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

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Ademas, puede pedir que la TCEQ ponga su nombre en una or mas de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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

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

También se puede obtener información adicional del la Ciudad de Victoria a la dirección indicada arriba o llamando al Sr. Ken Gill, Director de Obras Públicas, al 361-485-3381.

Fecha de emission: 11 de marzo de 2025

Victoria Regional Wastewater Treatment Facility

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

APPLICATION FOR RENEWAL

TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT NO. WQ0011078001

February 2025

Mead & Hunt

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: **City of Victoria**

PERMIT NUMBER (If new, leave blank): WQ0**0 11078001**

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

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

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region_____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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

Section 1. Application Fees (Instructions Page 26)

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

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

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed — Check/Money Order Number: **116021**

Check/Money Order Amount: **$2,015.00**

Name Printed on Check: **The City of Victoria**

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 Wastewater Treatment

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

☒ Active ☐ Inactive

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

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

d. Check the box next to the appropriate application type

- ☐ New
- ☐ Major Amendment *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 **11078001**

EPA I.D. (TPDES only): TX **0025186**

Expiration Date: **August 19, 2025**

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

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

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

Victoria Regional Wastewater Treatment Facility

(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: **600243257**

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

Prefix: **Mr.** Last Name, First Name: **Garza, Jesús**

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?

N/A

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

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

CN: 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. **See Attachment A.**

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: **Mr.** Last Name, First Name: **Gill, Ken**

Title: **Public Works Director** Credential: Click to enter text.

Organization Name: **City of Victoria**

Mailing Address: **P.O. Box 1758** City, State, Zip Code: **Victoria, TX 77901**

Phone No.: **(361) 485-3381** E-mail Address: **kgill@victoriatx.gov**

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: **Ms.** Last Name, First Name: **Sims, Janet**

Title: **Project Manager** Credential: Click to enter text.

Organization Name: **Mead & Hunt. Inc.**

Mailing Address: **8217 Shoal Creek Blvd., Suite 203** City, State, Zip Code: **Austin, TX 78757**

Phone No.: **(512) 735-1001** E-mail Address: **Janet.Sims@meadhunt.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: **Mr.** Last Name, First Name: **Garza, Jesús**

Title: **City Manager** Credential: Click to enter text.

Organization Name: **City of Victoria**

Mailing Address: **P.O. Box 1758** City, State, Zip Code: **Victoria, TX 77902**

Phone No.: **(361) 485-3030** E-mail Address: **JGarza@victoriatx.org**

B. Prefix: **Mr.** Last Name, First Name: **Crocker, Duane**

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

Organization Name: **City of Victoria**

Mailing Address: **P.O. Box 1758** City, State, Zip Code: **Victoria, TX 77902**

Phone No.: **(361) 485-3030** E-mail Address: **dcrocker@victoriatx.gov**

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: **Mr.** Last Name, First Name: **Gill, Ken**

Title: **Public Works Director** Credential: Click to enter text.

Organization Name: **City of Victoria**

Mailing Address: **P.O. Box 1758** City, State, Zip Code: **Victoria, TX 77902**

Phone No.: **(361) 485-3381** E-mail Address: **kgill@victoriatx.gov**

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

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

Prefix: **Mr.** Last Name, First Name: **Davis, Curtis**

Title: **WWTP Manager** Credential: Click to enter text.

Organization Name: **City of Victoria**

Mailing Address: **P.O. Box 1758** City, State, Zip Code: **Victoria, TX 77902**

Phone No.: **(361) 485-3263** E-mail Address: **cdavis@victoriatx.gov**

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: **Mr.** Last Name, First Name: **Gill, Ken**

Title: **Public Works Director** Credential: Click to enter text.

Organization Name: **City of Victoria**

Mailing Address: **P.O. Box 1758** City, State, Zip Code: **Victoria, TX 77901**

Phone No.: **(361) 485-3381** E-mail Address: **kgill@victoriatx.gov**

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: **Mr.** Last Name, First Name: **Gill, Ken**

Title: **Public Works Director** Credential: Click to enter text.

Organization Name: **City of Victoria**

Mailing Address: **P.O. Box 1758** City, State, Zip Code: **Victoria, TX 77901**

Phone No.: **(361) 485-3381** E-mail Address: **kgill@victoriatx.gov**

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: **Victoria Public Library**

Location within the building: **Information desk**

Physical Address of Building: **302 N. Main**

City: **Victoria** County: **Victoria**

Contact (Last Name, First Name): **Librarian**

Phone No.: **(361) 485-3301** Ext.: Click to enter text.

E. Bilingual Notice Requirements

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

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

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

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

   ☒ Yes ☐ No

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

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

   ☐ Yes ☒ No

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

   ☒ Yes ☐ No

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

   ☐ Yes ☒ No

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

F. Plain Language Summary Template

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

Attachment: B

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 102739703**

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):

Victoria Regional Wastewater Treatment Plant

C. Owner of treatment facility: **City of Victoria**

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 Victoria**

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

Organization Name: **City of Victoria**

Mailing Address: **P.O. Box 1758** City, State, Zip Code: **Victoria, TX 77902**

Phone No.: **(361)485-3030** E-mail Address: **jgarza@victoriatx.org**

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

Attachment: N/A

E. Owner of effluent disposal site:

Prefix: **N/A** Last Name, First Name: Click to enter text.

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: **N/A** Last Name, First Name: Click to enter text.

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:

Click to enter text.

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

☒ Yes ☐ No

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

Click to enter text.

City nearest the outfall(s): **Victoria**

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

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: **Victoria, Calhoun, Refugio, Aransas**

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:

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:

Click to enter text.

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.

Click to enter text.

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

☐ Yes ☒ No

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

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

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

Account number: Click to enter text.

Amount past due: Click to enter text.

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

Enforcement order number: Click to enter text.

Amount past due:

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.

See Attachment C.

☐ Attachment 1 for Individuals as co-applicants

☒ Other Attachments. Please specify:

Attachments

A. Core Data Form
B. Plain Language Summary
C. USGS Map
D. Treatment Units
E. Process Flow Diagram
F. Site Drawing
G. Sewage Sludge Solids Management Plan
H. Effluent Analysis Reports
I. Parameters above the MAL

SPIF

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: **WQ0011078001**

Applicant: **City of Victoria**

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): **Jesús Garza**

Signatory title: **City Manager**

Signature: _____ Date: Jan. 28, 2025
(Use blue ink)

Subscribed and Sworn to before me by the said Jesús Garza
on this 28th day of January, 20 25.
My commission expires on the 30th day of December, 20 28.

_____
Notary Public

April Hilbrich
My Commission Expires
12/30/2028
Notary ID126762797

[SEAL]

Victoria
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: SPIF

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

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

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

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

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

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

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

Things to Know:

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

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

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

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

Plain Language Summary ☒ Yes

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): **9.6**

2-Hr Peak Flow (MGD): **25**

Estimated construction start date: **N/A**

Estimated waste disposal start date: **N/A**

B. Interim II Phase

Design Flow (MGD): Click to enter text.

2-Hr Peak Flow (MGD): Click to enter text.

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

C. Final Phase

Design Flow (MGD): Click to enter text.

2-Hr Peak Flow (MGD): Click to enter text.

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

D. Current Operating Phase

Provide the startup date of the facility: **1972**

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

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

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

The Victoria Regional Wastewater Treatment Facility is an activated sludge process plant operated in the complete mix mode. The treatment units include a lift station, bar screen, grit chambers, six aeration basins, four secondary clarifiers, a sludge holding tank, two belt filter presses, two chlorine contact basins, and two dechlorination chambers.

B. Treatment Units

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

Table 1.0(1) - Treatment Units

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

C. Process Flow Diagram

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

Attachment: **E**

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

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

- Latitude: **28.753601**
- Longitude: **-97.006329**

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: **F**

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

City of Victoria

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
Victoria Regional	City of Victoria	Publicly Owned	46,526

Section 4. Unbuilt Phases (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

Click to enter text.

Section 5. Closure Plans (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

Click to enter text.

Section 6. Permit Specific Requirements (Instructions Page 45)

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

A. Summary transmittal

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

☒ Yes ☐ No

If yes, provide the date(s) of approval for each phase: **1972**

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**.

Click to enter text.

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*.

Click to enter text.

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 **Grit only**

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.

Grit is placed on drying beds. When dry the grit is disposed of at landfill.

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.

Click to enter text.

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 Click to enter text. 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:

Click to enter text.

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.

Click to enter text.

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.

The facility is surrounded by a levee. All stormwater is processed through the treatment system and exist the facility through the WWTP permitted outfall. There is no potential to discharge stormwater to surface water.

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.

Click to enter text.

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

See Attachment G for Sewage Sludge Solids Management Plan. Sewage sludge from the City's Odem Street WWTF is pumped into a sludge holding tank at the Victoria Regional WWTP prior to dewatering by belt press disposal.

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☒ Yes ☐ No

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

☐ Yes ☒ No

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

☒ Yes ☐ No

If yes to any of the above, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD_5 concentration of the septic waste, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Septic waste has been accepted at the Victoria Regional Wastewater Plant for more than 42 years. The average monthly volume of septic waste accepted is 50,000 gallons at approximately 8,600 mg/L BOD_5. The septic waste operations have not changed since the last permit action.

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.

Click to enter text.

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 50)

Is the facility in operation?

☒ Yes ☐ No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l	3.76	3.76	1	Comp.	1/27/25 @ 12:10
Total Suspended Solids, mg/l	4.40	4.40	1	Comp.	1/27/25 @ 12:10
Ammonia Nitrogen, mg/l	9.29	9.29	1	Comp.	1/27/25 @ 12:10
Nitrate Nitrogen, mg/l	3.99	3.99	1	Comp.	1/27/25 @ 12:10
Total Kjeldahl Nitrogen, mg/l	11.7	11.7	1	Comp.	1/27/25 @ 12:10
Sulfate, mg/l	52.4	52.4	1	Comp.	1/27/25 @ 12:10
Chloride, mg/l	164	164	1	Comp.	1/27/25 @ 12:10
Total Phosphorus, mg/l	3.21	3.21	1	Comp.	1/27/25 @ 12:10
pH, standard units	7.13	7.13	1	Grab	1/27/25 @ 07:10
Dissolved Oxygen*, mg/l	6.01	6.01	1	Grab	1/27/25 @ 07:55
Chlorine Residual, mg/l	0.0	0.0	1	Grab	1/27/25 @ 08:00
E.coli (CFU/100ml) freshwater	<1	<1	1	Grab	1/27/25 @ 08:04
Entercocci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	674	674	1	Comp.	1/27/25 @ 12:10
Electrical Conductivity, µmohs/cm, †	N/A	N/A	N/A	N/A	N/A
Oil & Grease, mg/l	<1.54	<1.54	1	Comp.	1/27/25 @ 12:10
Alkalinity ($CaCO_3$)*, mg/l	215	215	1	Comp.	1/27/25 @ 12:10

*TPDES permits only
†TLAP permits only

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l	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 50)

Facility Operator Name: **Curtis Davis**

Facility Operator's License Classification and Level: **Wastewater Treatment Operator A**

Facility Operator's License Number: **WW0032907**

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

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

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

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

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

☐ Other Treatment Process: Click to enter text.

C. Biosolids Management

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

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	On-Site Owner or Operator	Not Applicable	8.3	N/A	N/A
Distribution & Marketing-Composting	Off-site Third-Party Handler or Preparer	Bulk	1,191.9	Class B: PSRP Composting	Option 1: Volatile solids reduced by 38%

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: **City of Victoria Landfill/Victoria Compost Facility**

TCEQ permit or registration number: **TCEQ No. 1522B/ Permit No. 42034**

County where disposal site is located: **Victoria**

E. Transportation method

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

Name of the hauler: **City of Victoria**

Hauler registration number: **24132**

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

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

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

  Attachment: Click to enter text.
- USDA Natural Resources Conservation Service Soil Map:

  Attachment: Click to enter text.
- Federal Emergency Management Map:

  Attachment: Click to enter text.
- Site map:

  Attachment: Click to enter text.

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:

Click to enter text.

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 $1x10^{-7}$ cm/sec?

☐ Yes ☐ No

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

Click to enter text.

D. Site development plan

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

Click to enter text.

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 55)

A. Additional authorizations

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

☒ Yes ☐ No

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

Air New Source permits – 161959 & 53300
Municipal solid waste processing permit 2366

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: N/A

Section 14. Laboratory Accreditation (Instructions Page 56)

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

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

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

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

CERTIFICATION:

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

Printed Name: **Jesús Garza**

Title: **City Manager**

Signature: _____

Date: January 28, 2025

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 64)

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

☐ Yes ☒ No

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

Owner of the drinking water supply: 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 64)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

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

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: 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).

Click to enter text.

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).

Click to enter text.

Section 3. Classified Segments (Instructions Page 64)

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

☒ Yes ☐ No

If yes, this Worksheet is complete.

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

Section 4. Description of Immediate Receiving Waters (Instructions Page 65)

Name of the immediate receiving waters: Click to enter text.

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.

Click to enter text.

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.

Click to enter text.

E. Normal dry weather characteristics

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

Click to enter text.

Date and time of observation: Click to enter text.

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☐ No

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

A. Upstream influences

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

☐ Oil field activities
☐ Upstream discharges
☐ Septic tanks
☐ Urban runoff
☐ Agricultural runoff
☐ Other(s), specify: Click to enter text.

B. Waterbody uses

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

- ☐ Livestock watering
- ☐ Irrigation withdrawal
- ☐ Fishing
- ☐ Domestic water supply
- ☐ Park activities
- ☐ Contact recreation
- ☐ Non-contact recreation
- ☐ Navigation
- ☐ Industrial water supply
- ☐ Other(s), specify: 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 78)

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

Grab ☐ Composite ☐

Date and time sample(s) collected: **See Attachment H.**

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	**<50.0**	**<50.0**	**1**	50
Aldrin	**<0.010**	**<0.010**	**1**	0.01
Aluminum	**17.2**	**17.2**	**1**	2.5
Anthracene	**<10.0**	**<10.0**	**1**	10
Antimony	**<2.0**	**<2.0**	**1**	5
Arsenic	**2.57**	**2.57**	**1**	0.5
Barium	**158**	**158**	**1**	3
Benzene	**<10.0**	**<10.0**	**1**	10
Benzidine	**<50.0**	**<50.0**	**1**	50
Benzo(a)anthracene	**<5.00**	**<5.00**	**1**	5
Benzo(a)pyrene	**<5.00**	**<5.00**	**1**	5
Bis(2-chloroethyl)ether	**<10.0**	**<10.0**	**1**	10
Bis(2-ethylhexyl)phthalate	**<10.0**	**<10.0**	**1**	10
Bromodichloromethane	**<10.0**	**<10.0**	**1**	10
Bromoform	**<10.0**	**<10.0**	**1**	10
Cadmium	**<1.00**	**<1.00**	**1**	1
Carbon Tetrachloride	**<2.00**	**<2.00**	**1**	2
Carbaryl	**<5.0**	**<5.0**	**1**	5
Chlordane*	**<0.100**	**<0.100**	**1**	0.2
Chlorobenzene	**<10.0**	**<10.0**	**1**	10
Chlorodibromomethane	**<10.0**	**<10.0**	**1**	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chloroform	**<10.0**	**<10.0**	**1**	10
Chlorpyrifos	**<0.0516**	**<0.0516**	**1**	0.05
Chromium (Total)	**<3.00**	**<3.00**	**1**	3
Chromium (Tri) **(*1)**	**<6.0**	**<6.0**	**N/A**	N/A
Chromium (Hex)	**5.51**	**5.51**	**1**	3
Copper	**3.33**	**3.33**	**1**	2
Chrysene	**<5.00**	**<5.00**	**1**	5
p-Chloro-m-Cresol	**<10.0**	**<10.0**	**1**	10
4,6-Dinitro-o-Cresol	**<50.0**	**<50.0**	**1**	50
p-Cresol	**<10.0**	**<10.0**	**1**	10
Cyanide **(*2)**	**4.45**	**4.45**	**1**	10
4,4'- DDD	**<0.010**	**<0.010**	**1**	0.1
4,4'- DDE	**<0.010**	**<0.010**	**1**	0.1
4,4'- DDT	**<0.010**	**<0.010**	**1**	0.02
2,4-D	**<0.700**	**<0.700**	**1**	0.7
Demeton (O and S)	**<0.206**	**<0.206**	**1**	0.20
Diazinon	**<0.516**	**<0.516**	**1**	0.5/0.1
1,2-Dibromoethane	**<10.0**	**<10.0**	**1**	10
m-Dichlorobenzene	**<10.0**	**<10.0**	**1**	10
o-Dichlorobenzene	**<10.0**	**<10.0**	**1**	10
p-Dichlorobenzene	**<10.0**	**<10.0**	**1**	10
3,3'-Dichlorobenzidine	**<5.00**	**<5.00**	**1**	5
1,2-Dichloroethane	**<10.0**	**<10.0**	**1**	10
1,1-Dichloroethylene	**<10.0**	**<10.0**	**1**	10
Dichloromethane	**<20.0**	**<20.0**	**1**	20
1,2-Dichloropropane	**<10.0**	**<10.0**	**1**	10
1,3-Dichloropropene	**<10.0**	**<10.0**	**1**	10
Dicofol	**<1.0**	**<1.0**	**1**	1
Dieldrin	**<0.010**	**<0.010**	**1**	0.02
2,4-Dimethylphenol	**<10.0**	**<10.0**	**1**	10
Di-n-Butyl Phthalate	**<10.0**	**<10.0**	**1**	10
Diuron	**<0.0463**	**<0.0463**	**1**	0.09
Endosulfan I (alpha)	**<0.010**	**<0.010**	**1**	0.01

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan II (beta)	**<0.010**	**<0.010**	**1**	0.02
Endosulfan Sulfate	**<0.010**	**<0.010**	**1**	0.1
Endrin	**<0.010**	**<0.010**	**1**	0.02
Ethylbenzene	**<10.0**	**<10.0**	**1**	10
Fluoride	**<250**	**<250**	**1**	500
Guthion	**<0.103**	**<0.103**	**1**	0.1
Heptachlor	**<0.010**	**<0.010**	**1**	0.01
Heptachlor Epoxide	**<0.010**	**<0.010**	**1**	0.01
Hexachlorobenzene	**<5.00**	**<5.00**	**1**	5
Hexachlorobutadiene	**<10.0**	**<10.0**	**1**	10
Hexachlorocyclohexane (alpha)	**<0.010**	**<0.010**	**1**	0.05
Hexachlorocyclohexane (beta)	**<0.010**	**<0.010**	**1**	0.05
gamma-Hexachlorocyclohexane (Lindane)	**<0.010**	**<0.010**	**1**	0.05
Hexachlorocyclopentadiene	**<10.0**	**<10.0**	**1**	10
Hexachloroethane	**<20.0**	**<20.0**	**1**	20
Hexachlorophene	**<10.0**	**<10.0**	**1**	10
Lead	**<0.50**	**<0.50**	**1**	0.5
Malathion	**<0.103**	**<0.103**	**1**	0.1
Mercury	**<0.005**	**<0.005**	**1**	0.005
Methoxychlor	**<0.010**	**<0.010**	**1**	2
Methyl Ethyl Ketone	**<50.0**	**<50.0**	**1**	50
Mirex	**<0.010**	**<0.010**	**1**	0.02
Nickel	**2.41**	**2.41**	**1**	2
Nitrate-Nitrogen	**<100**	**<100**	**1**	100
Nitrobenzene	**<10.0**	**<10.0**	**1**	10
N-Nitrosodiethylamine	**<20.0**	**<20.0**	**1**	20
N-Nitroso-di-n-Butylamine	**<20.0**	**<20.0**	**1**	20
Nonylphenol	**<333**	**<333**	**1**	333
Parathion (ethyl)	**<0.103**	**<0.103**	**1**	0.1
Pentachlorobenzene	**<20.0**	**<20.0**	**1**	20
Pentachlorophenol	**<5.0**	**<5.0**	**1**	5
Phenanthrene	**<10.0**	**<10.0**	**1**	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Polychlorinated Biphenyls (PCB's) (*3)	<0.0500	<0.0500	1	0.2
Pyridine	<20.0	<20.0	1	20
Selenium	<5.00	<5.00	1	5
Silver	<0.50	<0.50	1	0.5
1,2,4,5-Tetrachlorobenzene	<10.0	<10.0	1	20
1,1,2,2-Tetrachloroethane	<10.0	<10.0	1	10
Tetrachloroethylene	<10.0	<10.0	1	10
Thallium	<0.50	<0.50	1	0.5
Toluene	<10.0	<10.0	1	10
Toxaphene	<0.100	<0.100	1	0.3
2,4,5-TP (Silvex)	<0.300	<0.300	1	0.3
Tributyltin (see instructions for explanation)	N/A	N/A	1	0.01
1,1,1-Trichloroethane	<10.0	<10.0	1	10
1,1,2-Trichloroethane	<10.0	<10.0	1	10
Trichloroethylene	<10.0	<10.0	1	10
2,4,5-Trichlorophenol	<10.0	<10.0	1	50
TTHM (Total Trihalomethanes)	<10.0	<10.0	1	10
Vinyl Chloride	<10.0	<10.0	1	10
Zinc	11.5	11.5	1	5

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

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

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

Section 2. Priority Pollutants

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

Grab ☐ Composite ☐

Date and time sample(s) collected: **See Attachment H.**

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	**<2.0**	**<2.0**	**1**	5
Arsenic	**2.57**	**2.57**	**1**	0.5
Beryllium	**<0.20**	**<0.20**	**1**	0.5
Cadmium	**<1.00**	**<1.00**	**1**	1
Chromium (Total)	**<3.00**	**<3.00**	**1**	3
Chromium (Hex)	**5.51**	**5.51**	**1**	3
Chromium (Tri) **(*1)**	**<6.0**	**<6.0**	**1**	N/A
Copper	**3.33**	**3.33**	**1**	2
Lead	**<0.50**	**<0.50**	**1**	0.5
Mercury	**<0.005**	**<0.005**	**1**	0.005
Nickel	**2.41**	**2.41**	**1**	2
Selenium	**<5.0**	**<5.0**	**1**	5
Silver	**<0.50**	**<0.50**	**1**	0.5
Thallium	**<0.50**	**<0.50**	**1**	0.5
Zinc	**11.5**	**11.5**	**1**	5
Cyanide **(*2)**	**4.45**	**4.45**	**1**	10
Phenols, Total	**0.632**	**0.632**	**1**	10

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

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

Table 4.0(2)B – Volatile Compounds

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

Table 4.0(2)C – Acid Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
2-Chlorophenol	**<10.0**	**<10.0**	**1**	10
2,4-Dichlorophenol	**<10.0**	**<10.0**	**1**	10
2,4-Dimethylphenol	**<10.0**	**<10.0**	**1**	10
4,6-Dinitro-o-Cresol	**<50.0**	**<50.0**	**1**	50
2,4-Dinitrophenol	**<50.0**	**<50.0**	**1**	50
2-Nitrophenol	**<20.0**	**<20.0**	**1**	20
4-Nitrophenol	**<50.0**	**<50.0**	**1**	50
P-Chloro-m-Cresol	**<10.0**	**<10.0**	**1**	10
Pentalchlorophenol	**<5.00**	**<5.00**	**1**	5
Phenol	**<10.0**	**<10.0**	**1**	10
2,4,6-Trichlorophenol	**<10.0**	**<10.0**	**1**	10

Table 4.0(2)D – Base/Neutral Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acenaphthene	**<10.0**	**<10.0**	**1**	10
Acenaphthylene	**<10.0**	**<10.0**	**1**	10
Anthracene	**<10.0**	**<10.0**	**1**	10
Benzidine	**<50.0**	**<50.0**	**1**	50
Benzo(a)Anthracene	**<5.00**	**<5.00**	**1**	5
Benzo(a)Pyrene	**<5.00**	**<5.00**	**1**	5
3,4-Benzofluoranthene	**<5.00**	**<5.00**	**1**	10
Benzo(ghi)Perylene	**<20.0**	**<20.0**	**1**	20
Benzo(k)Fluoranthene	**<5.00**	**<5.00**	**1**	5
Bis(2-Chloroethoxy)Methane	**<10.0**	**<10.0**	**1**	10
Bis(2-Chloroethyl)Ether	**<10.0**	**<10.0**	**1**	10
Bis(2-Chloroisopropyl)Ether	**<10.0**	**<10.0**	**1**	10
Bis(2-Ethylhexyl)Phthalate	**<10.0**	**<10.0**	**1**	10
4-Bromophenyl Phenyl Ether	**<10.0**	**<10.0**	**1**	10
Butyl benzyl Phthalate	**<10.0**	**<10.0**	**1**	10
2-Chloronaphthalene	**<10.0**	**<10.0**	**1**	10
4-Chlorophenyl phenyl ether	**<10.0**	**<10.0**	**1**	10
Chrysene	**<5.00**	**<5.00**	**1**	5
Dibenzo(a,h)Anthracene	**<5.00**	**<5.00**	**1**	5
1,2-(o)Dichlorobenzene	**<10.0**	**<10.0**	**1**	10
1,3-(m)Dichlorobenzene	**<10.0**	**<10.0**	**1**	10
1,4-(p)Dichlorobenzene	**<10.0**	**<10.0**	**1**	10
3,3-Dichlorobenzidine	**<5.00**	**<5.00**	**1**	5
Diethyl Phthalate	**<10.0**	**<10.0**	**1**	10
Dimethyl Phthalate	**<10.0**	**<10.0**	**1**	10
Di-n-Butyl Phthalate	**<10.0**	**<10.0**	**1**	10
2,4-Dinitrotoluene	**<10.0**	**<10.0**	**1**	10
2,6-Dinitrotoluene	**<10.0**	**<10.0**	**1**	10
Di-n-Octyl Phthalate	**<10.0**	**<10.0**	**1**	10
1,2-Diphenylhydrazine (as Azo-benzene)	**<20.0**	**<20.0**	**1**	20
Fluoranthene	**<10.0**	**<10.0**	**1**	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Fluorene	**<10.0**	**<10.0**	**1**	10
Hexachlorobenzene	**<5.00**	**<5.00**	**1**	5
Hexachlorobutadiene	**<10.0**	**<10.0**	**1**	10
Hexachlorocyclo-pentadiene	**<10.0**	**<10.0**	**1**	10
Hexachloroethane	**<20.0**	**<20.0**	**1**	20
Indeno(1,2,3-cd)pyrene	**<5.00**	**<5.00**	**1**	5
Isophorone	**<10.0**	**<10.0**	**1**	10
Naphthalene	**<10.0**	**<10.0**	**1**	10
Nitrobenzene	**<10.0**	**<10.0**	**1**	10
N-Nitrosodimethylamine	**<50.0**	**<50.0**	**1**	50
N-Nitrosodi-n-Propylamine	**<20.0**	**<20.0**	**1**	20
N-Nitrosodiphenylamine	**<20.0**	**<20.0**	**1**	20
Phenanthrene	**<10.0**	**<10.0**	**1**	10
Pyrene	**<10.0**	**<10.0**	**1**	10
1,2,4-Trichlorobenzene	**<10.0**	**<10.0**	**1**	10

Table 4.0(2)E – Pesticides

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Aldrin	**<0.010**	**<0.010**	**1**	0.01
alpha-BHC (Hexachlorocyclohexane)	**<0.010**	**<0.010**	**1**	0.05
beta-BHC (Hexachlorocyclohexane)	**<0.010**	**<0.010**	**1**	0.05
gamma-BHC (Hexachlorocyclohexane)	**<0.010**	**<0.010**	**1**	0.05
delta-BHC (Hexachlorocyclohexane)	**<0.010**	**<0.010**	**1**	0.05
Chlordane	**<0.010**	**<0.010**	**1**	0.2
4,4-DDT	**<0.010**	**<0.010**	**1**	0.02
4,4-DDE	**<0.010**	**<0.010**	**1**	0.1
4,4,-DDD	**<0.010**	**<0.010**	**1**	0.1
Dieldrin	**<0.010**	**<0.010**	**1**	0.02
Endosulfan I (alpha)	**<0.010**	**<0.010**	**1**	0.01
Endosulfan II (beta)	**<0.010**	**<0.010**	**1**	0.02
Endosulfan Sulfate	**<0.010**	**<0.010**	**1**	0.1
Endrin	**<0.010**	**<0.010**	**1**	0.02
Endrin Aldehyde	**<0.010**	**<0.010**	**1**	0.1
Heptachlor	**<0.010**	**<0.010**	**1**	0.01
Heptachlor Epoxide	**<0.010**	**<0.010**	**1**	0.01
PCB-1242	**<0.0500**	**<0.0500**	**1**	0.2
PCB-1254	**<0.0500**	**<0.0500**	**1**	0.2
PCB-1221	**<0.0500**	**<0.0500**	**1**	0.2
PCB-1232	**<0.0500**	**<0.0500**	**1**	0.2
PCB-1248	**<0.0500**	**<0.0500**	**1**	0.2
PCB-1260	**<0.0500**	**<0.0500**	**1**	0.2
PCB-1016	**<0.0500**	**<0.0500**	**1**	0.2
Toxaphene	**<0.100**	**<0.100**	**1**	0.3

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

Section 3. Dioxin/Furan Compounds

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

☐ 2,4,5-trichlorophenoxy acetic acid

Common Name 2,4,5-T, CASRN 93-76-5

☐ 2-(2,4,5-trichlorophenoxy) propanoic acid

Common Name Silvex or 2,4,5-TP, CASRN 93-72-1

☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate

Common Name Erbon, CASRN 136-25-4

☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate

Common Name Ronnel, CASRN 299-84-3

☐ 2,4,5-trichlorophenol

Common Name TCP, CASRN 95-95-4

☐ hexachlorophene

Common Name HCP, CASRN 70-30-4

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

N/A

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

☐ Yes ☒ No

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

Click to enter text.

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

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

Grab ☐ Composite ☐

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

Table 4.0(2)F – Dioxin/Furan Compounds

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 5.0: TOXICITY TESTING REQUIREMENTS

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

This worksheet is not required minor amendments without renewal.

Section 1. Required Tests (Instructions Page 88)

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

7-day Chronic: **N/A**

48-hour Acute: **18 – *Daphnia pulex*, 18 – *Pimephales promelas***

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.

Click to enter text.

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
All test data previously submitted via DMR and Table 1.			

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following **is required** for **all publicly owned treatment works**.

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: **0 (zero)**

Average Daily Flows, in MGD: **0**

Significant IUs – non-categorical:

Number of IUs: **3**

Average Daily Flows, in MGD: **0.107**

Other IUs:

Number of IUs: **6**

Average Daily Flows, in MGD: **0.0076**

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.

Click to enter text.

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.

Click to enter text.

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☒ Yes ☐ No

If yes, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☐ No

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

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

Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 90)

A. Substantial modifications

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

☐ Yes ☒ No

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

Click to enter text.

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.

Click to enter text.

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
See Attachment I.				

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.

Click to enter text.

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

A. General information

Company Name: Click to enter text.

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).

Click to enter text.

C. Product and service information

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

Click to enter text.

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 *i*nstructions?

☐ Yes ☐ No

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

☐ Yes ☐ No

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

Category: Subcategories: Click to enter text.

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

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

F. Industrial user interruptions

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

☐ Yes ☐ No

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

Click to enter text.

CITY OF VICTORIA
VICTORIA REGIONAL WASTEWATER TREATMENT FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT
APPLICATION FOR PERMIT RENEWAL

ATTACHMENT	REFERENCE
A. Core Data Form	Admin Report 1.0, Section 3.C
B. Plain Language Summary	Admin Report 1.0, Section 8.F
C. USGS Map	Admin Report 1.0, Section 13
D. Treatment Units	Tech Report 1.0, Section 2 B
E. Process Flow Diagram	Tech Report 1.0, Section 2.C
F. Site Drawing	Tech Report 1.0, Section 3
G. Sewage Sludge Solids Management Plan	Tech Report 1.0, Section 6. G
H. Effluent Analysis Reports	Tech Report 1.0, Section 7 and Worksheet 4.0
I. Parameters above the MAL	Worksheet 6.0, Section 2.C
SPIF – Supplemental Permit Information Form	

Attachment A

Core Data Form

Admin Report 1.0, Section 3.C

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 600243257		RN 102739703

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)

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

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

City of Victoria

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
N/A	N/A	745002441	

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

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

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

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

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

15. Mailing Address:

P.O. Box 1758

City	Victoria	State	TX	ZIP	77902	ZIP + 4	

16. Country Mailing Information *(if outside USA)*	17. E-Mail Address *(if applicable)*
1758	kgill@ victoriatx.org

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(361) 485-3414		( ) -

SECTION III: Regulated Entity Information

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

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

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

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

Victoria Regional Wastewater

23. Street Address of the Regulated Entity:	923 US Hyw 59 S.							
(No PO Boxes)	**City**	Victoria	**State**	TX	**ZIP**	77905	**ZIP + 4**	
24. County								

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

25. Description to Physical Location:					
26. Nearest City			**State**		**Nearest ZIP Code**
Victoria			TX		77905

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

27. Latitude (N) In Decimal:	28.75667		**28. Longitude (W) In Decimal:**	-97.003611	
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.)*

Treatment of domestic wastewater

34. Mailing Address:	**P.O. Box 1758**							
	City	**Victoria**	**State**	**TX**	**ZIP**	**77905**	**ZIP + 4**	

35. E-Mail Address:	**kgill@victoriatx.org**

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(361) 485-3381		**( ) -**

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:
	WQ0011078001			

SECTION IV: Preparer Information

40. Name:	Janet Sims	**41. Title:**	Project Manager

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(512) 735-1001		( ) -	Janet.Sims@meadhunt.com

SECTION V: Authorized Signature

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

Company:	City of Victoria	**Job Title:**	City Manager
Name *(In Print):*	Jesús Garza	**Phone:**	(361) 485- **3030**
Signature:		**Date:**	Jan 28, 2025

Attachment B

Plain Language Summary

Admin Report 1.0, Section 8.F

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

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

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

City of Victoria (CN600243257) operates the Victoria Regional Wastewater Treatment Facility (RN102739703), an activated sludge process plant operated in the complete mix mode. The facility is located at 923 U.S. Highway 59 South, in City of Victoria, Victoria County, Texas 77905. This application is for a renewal to discharge at an annual average flow of 9.6 million gallons per day of treated domestic wastewater to the Guadalupe River.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by a bar screen, grit chambers, aeration basins, secondary clarifiers, a sludge holding tank, belt filter presses, chlorine contact basins, and dechlorination chambers.

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

AGUAS RESIDUALES DOMÉSTICAS /**AGUAS PLUVIALES**

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

La Ciudad de Victoria (CN600243257) opera la Instalación Regional de Tratamiento de Aguas Residuales de Victoria (RN102739703), una planta de procesamiento de lodos activados que opera en el modo de mezcla completa. La instalación está ubicada en 923 U.S. Highway 59 South, en la ciudad de Victoria, en Victoria, Condado de Victoria, Texas 77905. Esta solicitud es para una renovación para descargar a un flujo promedio anual de 9.6 millones de galones por día de aguas residuales domésticas tratadas al río Guadalupe.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli. En la sección 7 Análisis de Contaminantes de Efluentes Tratados del Informe Técnico Doméstico 1.0 en el paquete de solicitud de permisos se incluyen contaminantes potenciales adicionales. Las aguas residuales domésticas se tratan mediante una rejilla, desarenador, cuencas de aireación, clarificadores secundarios, un tanque de retención de lodos, filtros prensa de banda, cuencas de contacto con cloro y compartimientos de decloración.

Attachment C

USGS Map

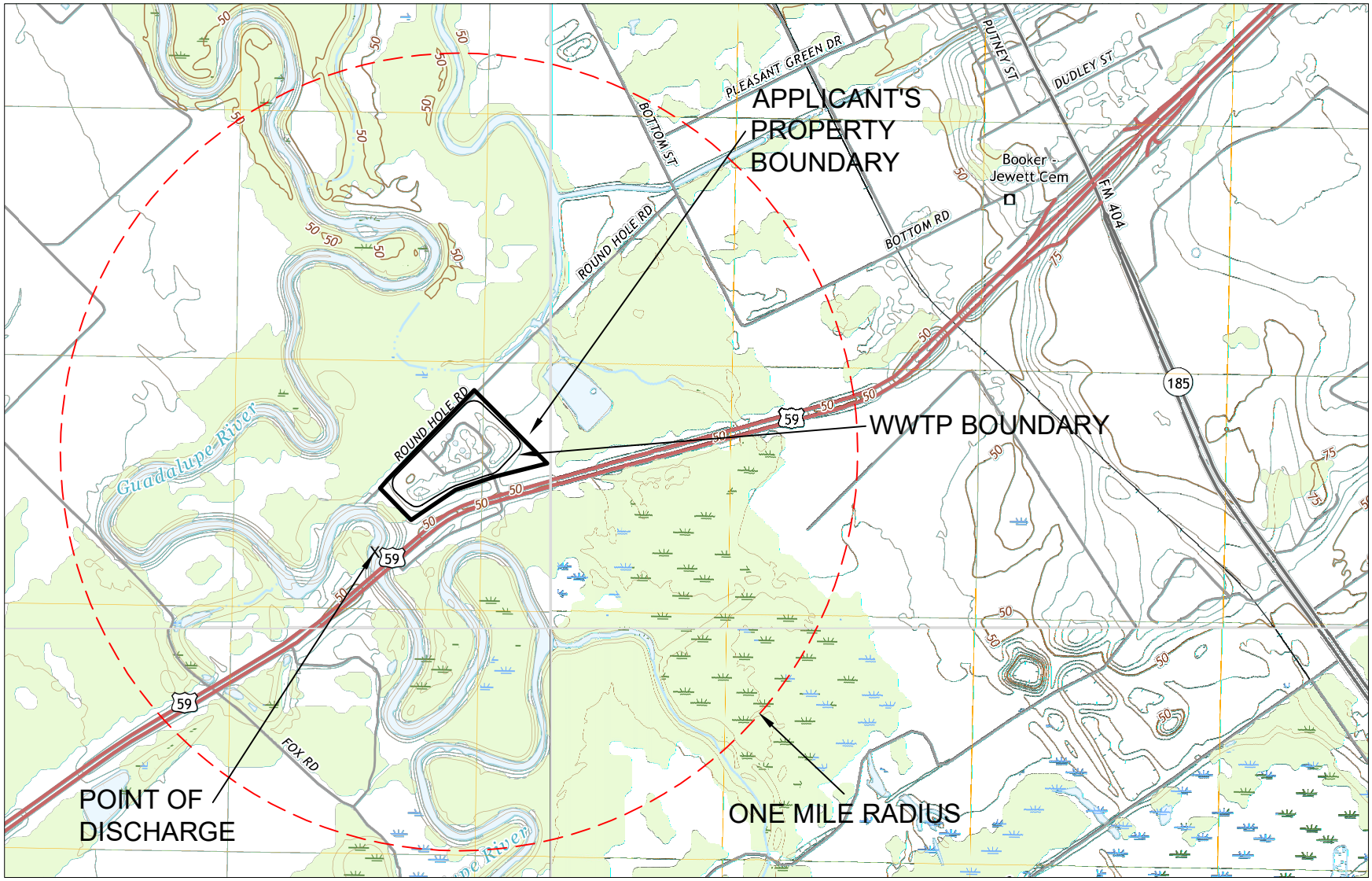
Admin Report 1.0, Section 13

Mead & Hunt

N

0 1

MILE
SCALE 1:24000



ATTACHMENT C
CITY OF VICTORIA
VICTORIA REGIONAL WASTEWATER TREATMENT FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
USGS MAP

Attachment D

Treatment Units

Tech Report 1.0, Section 2.C

ATTACHMENT D
CITY OF VICTORIA
VICTORIA REGIONAL WASTEWATER TREATMENT FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION

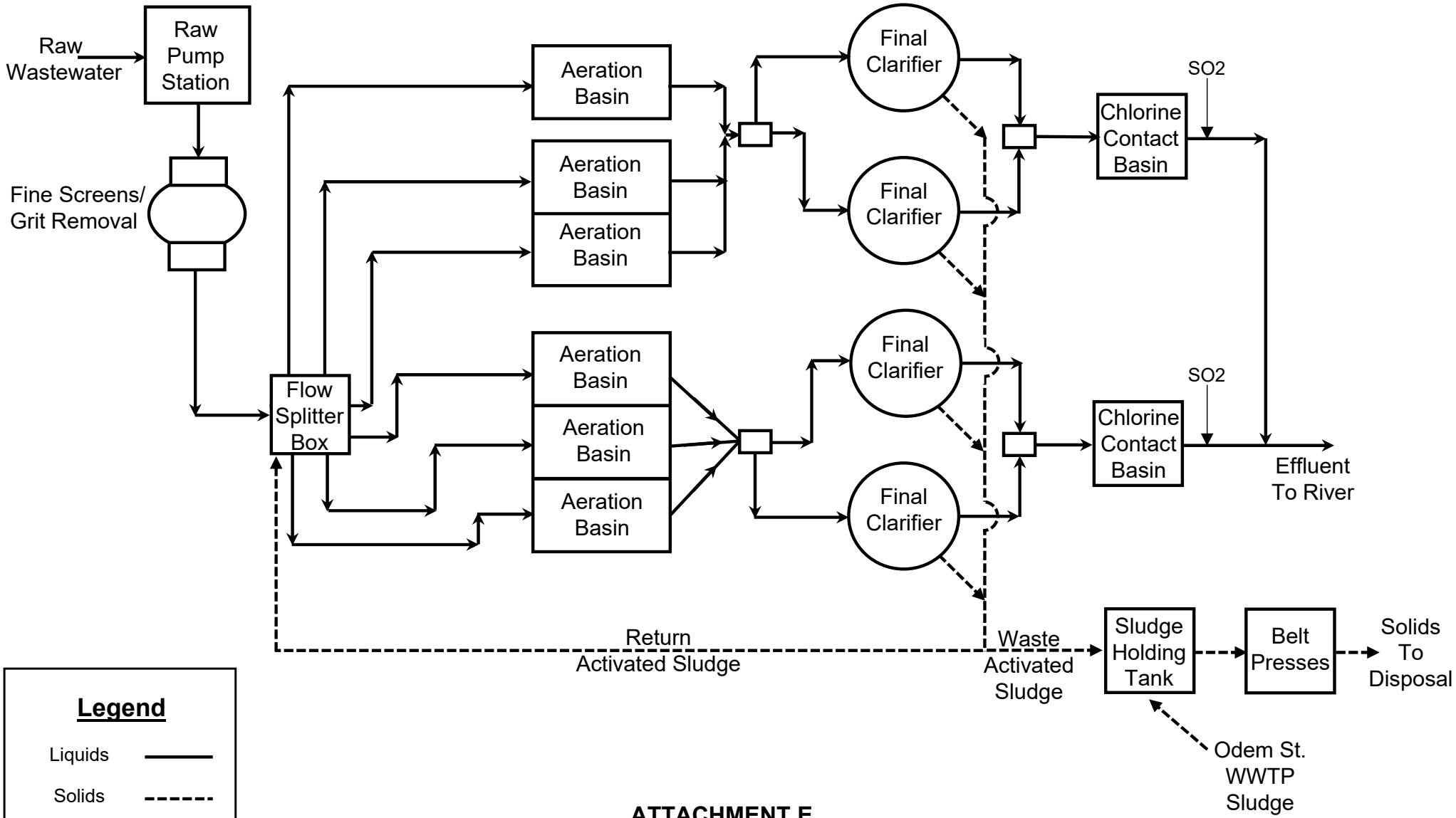
TREATMENT UNITS

Treatment Unit Type	Number of Units	Dimensions
Vortex Grit Collectors	2	12’ dia.
Aeration Basins	4	50’ W x 105’ L x 11.25’ SWD
	2	50’ W x 101.2’ L x 11.25’ SWD
Clarifiers	1	70’ Dia., 12’ SWD
	3	75’ Dia., 12’ SWD
Belt Filter Press	2	2 meters
Chlorine Contact Basin	1	40.33’ W x 50’L x 11.76’ SWD
	1	41’ W x 49.2’L x 11.75’ SWD
Sludge Belt Presses	1	1.7 meters W
	1	2.2 meters W
Sludge Holding Basin	1	30’ W x 30’ L x 10’ SWD

Attachment E

Process Flow Diagram

Tech Report 1.0, Section 2.C



ATTACHMENT E
CITY OF VICTORIA
VICTORIA REGIONAL WASTEWATER TREATMENT FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
PROCESS FLOW DIAGRAM

Attachment F

Site Drawing

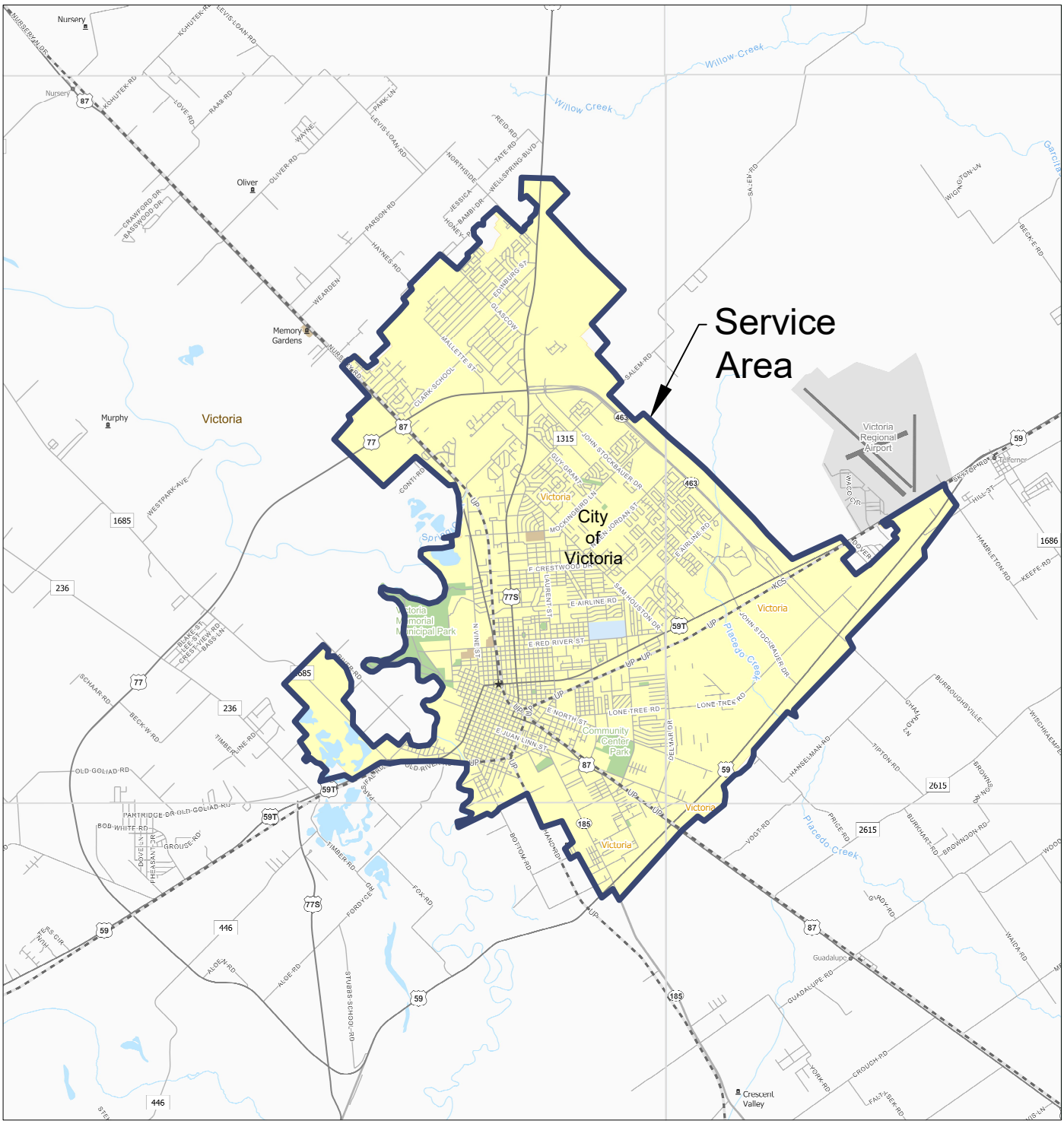
Tech Report 1.0, Section 3

Mead & Hunt

N

0 2

SCALE
1 inch = 2 mile



ATTACHMENT F
CITY OF VICTORIA
VICTORIA REGIONAL WASTEWATER TREATMENT FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
SITE DRAWING

Attachment G

Sewage Sludge Solids Management Plan

Tech Report 1.0, Section 6.G

ATTACHMENT G

CITY OF VICTORIA
VICTORIA REGIONAL WASTEWATER TREATMENT FACILITY
TEXAS POLLUTANT DISHARGE ELIMINATION SYSTEM PERMIT
APPLICATION FOR PERMIT RENEWAL

SEWAGE SLUDGE SOLIDS MANAGEMENT PLAN

- **TREATMENT UNITS AND PROCESS DIMENSIONS**

See Attachment D, Treatment Units.

- **PROJECTED SOLIDS GENERATION:**

BOD_5 Removal

Influent Concentration	260 mg/L
Effluent Concentration	20 mg/L
Net Removal	240 mg/L
Design Flow	9.6 MGD

Solids Generated

The table below presents the amounts of solids generated at design flow, and 75%, 50%, and 25% design flow.

	FLOW			
	100%	75%	50%	25%
Pounds BOD_5/day Removed	19,215	14,411	9,607	4,803
Pounds of Dry Sludge Produced per Day[1]	17,101	12,826	8,550	4,275
Pounds of Wet Sludge Produced per Day[2]	2,137,625	1,603,218	1,068,812	534,406
Volume of Wet Sludge Produced per Day[3]	256,309	192,232	128,154	64,077

[1] Assuming 0.89 lb of dry sludge produced per pound of BOD_5 removed.
[2] Assuming 0.8% solids
[3] Assuming sludge density of 8.34 lbs/gal

- **MLSS RANGE:**

Typical operating MLSS in the aeration basins is 4,000 mg/L (at high water level).

- **OWNERSHIP OF ULTIMATE SLUDGE DISPOSAL SITE:**

Sludge from the final clarifiers is held in a waste sludge holding tank, then dewatered by a belt press before it is hauled to the Victoria County Landfill for disposal or the Victoria Compost Facility for beneficial reuse.

Attachment H

Effluent Analysis Reports

Tech Report 1.0, Section 7

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

November 14, 2024

Laboratory Report

Curtis Davis
City of Victoria
702 Main Street
Victoria, TX 77901

Report ID: 20241114081935JKW

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

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

Sincerely,

Justin Wood For Deena Higginbotham
Director of Client Services

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

City of Victoria
702 Main Street
Victoria, TX 77901

Reported:
11/14/2024 08:19

Sample Results

Client Sample ID: 18 Mohm DI - Outfall 001
Lab Sample ID: 24D3987-01
Regional WWTP - Table 2&3 - Outfall 001- Grab 1 [none]

Sample Matrix: 18 MOhm DI Water
Date Collected: 05/14/2024 9:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00250	U	ug/L	1	0.00250	0.00500	BHE3081	06/06/2024 14:09	ISS

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

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City of Victoria
702 Main Street
Victoria, TX 77901

Reported:
11/14/2024 08:19

Sample Results
(Continued)

Client Sample ID: Outfall 001
Lab Sample ID: 24D3987-02
Regional WWTP - Table 2&3 - Outfall 001- Grab 1 [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 9:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00250	U	ug/L	1	0.00250	0.00500	BHE3081	06/06/2024 14:14	ISS

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City of Victoria
702 Main Street
Victoria, TX 77901

Reported:
11/14/2024 08:19

Sample Results
(Continued)

Client Sample ID: Outfall 001 4 Part Grab
Lab Sample ID: 24D3987-03
Regional WWTP - Table 2&3 - Outfall 001- Grab 1 [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 9:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Field											
Calc	Flow Field	N	5.60		MGD	1	0.00	0.00	BHE3012	05/14/2024 09:00	CLNT

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Victoria, TX 77901

Reported:
11/14/2024 08:19

Sample Results
(Continued)

Client Sample ID: 18 Mohm DI - Outfall 001
Lab Sample ID: 24D3988-01
Regional WWTP - Table 2&3 - Outfall 001- Grab 2 [none]

Sample Matrix: 18 MOhm DI Water
Date Collected: 05/14/2024 16:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00250	U	ug/L	1	0.00250	0.00500	BHE3081	06/06/2024 13:16	ISS

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702 Main Street
Victoria, TX 77901

Reported:
11/14/2024 08:19

Sample Results
(Continued)

Client Sample ID: Outfall 001
Lab Sample ID: 24D3988-02
Regional WWTP - Table 2&3 - Outfall 001- Grab 2 [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 16:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00250	U	ug/L	1	0.00250	0.00500	BHE3081	06/06/2024 13:21	ISS

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702 Main Street
Victoria, TX 77901

Reported:
11/14/2024 08:19

Sample Results
(Continued)

Client Sample ID: Outfall 001 4 Part Grab
Lab Sample ID: 24D3988-03
Regional WWTP - Table 2&3 - Outfall 001- Grab 2 [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 16:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Field											
Calc	Flow Field	N	4.60		MGD	1	0.00	0.00	BHE3011	05/14/2024 16:00	CLNT

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City of Victoria
702 Main Street
Victoria, TX 77901

Reported:
11/14/2024 08:19

Sample Results
(Continued)

Client Sample ID: 18 Mohm DI - Outfall 001
Lab Sample ID: 24D3989-01
Regional WWTP - Table 2&3 - Outfall 001- Grab 3 [none]

Sample Matrix: 18 MOhm DI Water
Date Collected: 05/14/2024 21:00
Collected by: Cody Valle

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00250	U	ug/L	1	0.00250	0.00500	BHE3081	06/06/2024 13:26	ISS

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City of Victoria
702 Main Street
Victoria, TX 77901

Reported:
11/14/2024 08:19

Sample Results
(Continued)

Client Sample ID: Outfall 001
Lab Sample ID: 24D3989-02
Regional WWTP - Table 2&3 - Outfall 001- Grab 3 [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 21:00
Collected by: Cody Valle

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00250	U	ug/L	1	0.00250	0.00500	BHE3081	06/06/2024 13:31	ISS

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City of Victoria
702 Main Street
Victoria, TX 77901

Reported:
11/14/2024 08:19

Sample Results
(Continued)

Client Sample ID: Outfall 001 4 Part Grab
Lab Sample ID: 24D3989-03
Regional WWTP - Table 2&3 - Outfall 001- Grab 3 [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 21:00
Collected by: Cody Valle

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Field											
Calc	Flow Field	N	4.60		MGD	1	0.00	0.00	BHE3010	05/14/2024 21:00	CLNT

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City of Victoria
702 Main Street
Victoria, TX 77901

Reported:
11/14/2024 08:19

Sample Results
(Continued)

Client Sample ID: 18 Mohm DI - Outfall 001
Lab Sample ID: 24D3990-01
Regional WWTP - Table 2&3 - Outfall 001 -Grab 4 [none]

Sample Matrix: 18 MOhm DI Water
Date Collected: 05/15/2024 3:00
Collected by: Cody Valle

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00250	U	ug/L	1	0.00250	0.00500	BHE3081	06/06/2024 13:40	ISS

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Victoria, TX 77901

Reported:
11/14/2024 08:19

Sample Results
(Continued)

Client Sample ID: Outfall 001
Lab Sample ID: 24D3990-02
Regional WWTP - Table 2&3 - Outfall 001 -Grab 4 [none]

Sample Matrix: Waste Water
Date Collected: 05/15/2024 3:00
Collected by: Cody Valle

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00250	U	ug/L	1	0.00250	0.00500	BHE3081	06/06/2024 13:54	ISS

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City of Victoria
702 Main Street
Victoria, TX 77901

Reported:
11/14/2024 08:19

Sample Results
(Continued)

Client Sample ID: Outfall 001 4 Part Grab
Lab Sample ID: 24D3990-03
Regional WWTP - Table 2&3 - Outfall 001 -Grab 4 [none]

Sample Matrix: Waste Water
Date Collected: 05/15/2024 3:00
Collected by: Cody Valle

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Field											
Calc	Flow Field	N	4.60		MGD	1	0.00	0.00	BHE3009	05/15/2024 03:00	CLNT

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702 Main Street
Victoria, TX 77901

Reported:
11/14/2024 08:19

Sample Results
(Continued)

Client Sample ID: Outfall 001 4 Part Grab Composite
Lab Sample ID: 24D3990-04
Regional WWTP - Table 2&3 - Outfall 001 -Grab 4 [none]

Sample Matrix: Waste Water
Date Collected: 05/15/2024 3:00
Collected by: Cody Valle

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Volatile Organic Compounds by GCMS											
EPA 624.1	1,1,1-Trichloroethane	A	<0.622	U	ug/L	1	0.622	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	1,1,2,2-Tetrachloroethane	A	<0.867	U	ug/L	1	0.867	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	1,1,2-Trichloroethane	A	<0.789	U	ug/L	1	0.789	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	1,1-Dichloroethane	A	<0.967	U	ug/L	1	0.967	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	1,1-Dichloroethylene	A	<0.849	U	ug/L	1	0.849	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	1,2-Dibromoethane (EDB, Ethylene dibromide)	A	<0.706	U	ug/L	1	0.706	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	1,2-Dichlorobenzene (o-Dichlorobenzene)	A	<0.881	U	ug/L	1	0.881	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	1,2-Dichloroethane (Ethylene dichloride)	A	<0.870	U	ug/L	1	0.870	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	1,2-Dichloropropane	A	<0.854	U	ug/L	1	0.854	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	1,3-Dichlorobenzene (m-Dichlorobenzene)	A	0.783		ug/L	1	0.717	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<0.641	U	ug/L	1	0.641	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	2-Butanone (Methyl ethyl ketone, MEK)	A	<7.38	U	ug/L	1	7.38	50.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	2-Chloroethyl vinyl ether	A	<3.14	U	ug/L	1	3.14	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Acrolein (Propenal)	A	<5.68	U	ug/L	1	5.68	50.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Acrylonitrile	A	<1.60	U	ug/L	1	1.60	50.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Benzene	A	<0.604	U	ug/L	1	0.604	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Bromodichloromethane	A	<0.727	U	ug/L	1	0.727	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Bromoform	A	<0.678	U	ug/L	1	0.678	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Carbon tetrachloride	A	<0.500	U	ug/L	1	0.500	2.00	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Chlorobenzene	A	<0.724	U	ug/L	1	0.724	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Chlorodibromomethane	A	<0.802	U	ug/L	1	0.802	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Chloroethane (Ethyl chloride)	A	<1.30	U	ug/L	1	1.30	50.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Chloroform	A	<0.688	U	ug/L	1	0.688	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	cis-1,3-Dichloropropene	A	<0.580	U	ug/L	1	0.580	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Ethylbenzene	A	<0.727	U	ug/L	1	0.727	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Methyl bromide (Bromomethane)	A	<1.42	U	ug/L	1	1.42	50.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Methyl chloride (Chloromethane)	A	<0.765	U	ug/L	1	0.765	50.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Methylene chloride (Dichloromethane)	A	<1.60	U	ug/L	1	1.60	20.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Tetrachloroethylene (Perchloroethylene)	A	<0.703	U	ug/L	1	0.703	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Toluene	A	<0.649	U	ug/L	1	0.649	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Total Trihalomethanes (TTHMs)	A	<2.00	U	ug/L	1	2.00	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	trans-1,2-Dichloroethylene	A	<0.899	U	ug/L	1	0.899	10.0	BHE3035	05/17/2024 14:41	DDB

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Sample Results
(Continued)

Client Sample ID: Outfall 001 4 Part Grab Composite (Continued)
Lab Sample ID: 24D3990-04
Regional WWTP - Table 2&3 - Outfall 001 -Grab 4 [none]

Sample Matrix: Waste Water
Date Collected: 05/15/2024 3:00
Collected by: Cody Valle

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Volatile Organic Compounds by GCMS (Continued)											
EPA 624.1	trans-1,3-Dichloropropylene	A	<0.496	U	ug/L	1	0.496	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Trichloroethene (Trichloroethylene)	A	<0.744	U	ug/L	1	0.744	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	Vinyl chloride (Chloroethene)	A	<1.30	U	ug/L	1	1.30	10.0	BHE3035	05/17/2024 14:41	DDB
EPA 624.1	*Surrogate: 4-Bromofluorobenzene-surr*		*102%*		*70-130*					*05/17/2024 14:41*	
EPA 624.1	*Surrogate: 1,2-Dichloroethane-d4-surr*		*106%*		*70-130*					*05/17/2024 14:41*	
EPA 624.1	*Surrogate: Dibromofluoromethane-surr*		*107%*		*70-130*					*05/17/2024 14:41*	
EPA 624.1	*Surrogate: Toluene-d8-surr*		*101%*		*70-130*					*05/17/2024 14:41*	

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Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler
Lab Sample ID: 24D3991-01
Regional WWTP - Table II - Outfall Sampler [none]

Sample Matrix: Waste Water
Date Collected: 05/15/2024 7:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Semivolatile Organic Compounds by GCMS											
ASTM D7065	Nonylphenol	N	<5.97	U	ug/L	2	5.97	333	BHE3062	05/18/2024 07:21	cdg
ASTM D7065	*Surrogate: n-NP-surr*		*80.7%*		*60-140*					*05/18/2024 07:21*	
EPA 625.1	2-Methylphenol		<0.334	U	ug/L	1	0.334	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	1,2,4-Trichlorobenzene	A	<0.0943	U	ug/L	1	0.0943	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	1,2-Diphenylhydrazine	A	0.338		ug/L	1	0.250	20.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	A	<0.129	U	ug/L	1	0.129	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	2,4,5-Trichlorophenol	A	<0.210	U	ug/L	1	0.210	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	2,4,6-Trichlorophenol	A	<0.385	U	ug/L	1	0.385	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	2,4-Dichlorophenol	A	<0.256	U	ug/L	1	0.256	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	2,4-Dimethylphenol	A	<0.294	U	ug/L	1	0.294	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	2,4-Dinitrophenol	A	<2.85	U	ug/L	1	2.85	50.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	2,4-Dinitrotoluene (2,4-DNT)	A	<0.0530	U	ug/L	1	0.0530	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	2,6-Dinitrotoluene (2,6-DNT)	A	<0.584	U	ug/L	1	0.584	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	2-Chlorophenol	A	<0.147	U	ug/L	1	0.147	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	A	<0.511	U	ug/L	1	0.511	50.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	2-Nitrophenol	A	0.236		ug/L	1	0.218	20.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	3,4-Methylphenol	A	<0.462	U	ug/L	1	0.462	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	4-Bromophenyl phenyl ether (BDE-3)	A	<0.0682	U	ug/L	1	0.0682	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	4-Chloro-3-methylphenol	A	<0.218	U	ug/L	1	0.218	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	4-Chlorophenyl phenylether	A	<0.207	U	ug/L	1	0.207	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	4-Nitrophenol	A	<2.40	U	ug/L	1	2.40	50.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Acenaphthene	A	<0.0776	U	ug/L	1	0.0776	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Acenaphthylene	A	<0.0594	U	ug/L	1	0.0594	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Anthracene	A	<0.0532	U	ug/L	1	0.0532	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Benzo(a)anthracene	A	<0.0738	U	ug/L	1	0.0738	5.00	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Benzo(a)pyrene	A	<0.143	U	ug/L	1	0.143	5.00	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	benzo(b&k)fluoranthene	A	<0.118	U	ug/L	1	0.118	5.00	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Benzo(g,h,i)perylene	A	<0.112	U	ug/L	1	0.112	20.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	bis(2-Chloroethoxy)methane	A	<0.112	U	ug/L	1	0.112	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	bis(2-Chloroethyl) ether	A	<0.184	U	ug/L	1	0.184	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Bis(2-ethylhexyl)phthalate	A	0.586		ug/L	1	0.500	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Butyl benzyl phthalate	A	<0.123	U	ug/L	1	0.123	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Chrysene	A	<0.0573	U	ug/L	1	0.0573	5.00	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Dibenzo(a,h)anthracene	A	<0.152	U	ug/L	1	0.152	5.00	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Dibenzofuran	A	<0.122	U	ug/L	1	0.122	10.0	BHE3538	05/23/2024 05:55	KRB

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Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler (Continued)
Lab Sample ID: 24D3991-01
Regional WWTP - Table II - Outfall Sampler [none]

Sample Matrix: Waste Water
Date Collected: 05/15/2024 7:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Semivolatile Organic Compounds by GCMS (Continued)											
EPA 625.1	Diethyl phthalate	A	0.344		ug/L	1	0.150	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Dimethyl phthalate	A	0.116		ug/L	1	0.0869	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Di-n-butyl phthalate	A	<0.505	U	ug/L	1	0.505	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Di-n-octyl phthalate	A	<0.489	U	ug/L	3	0.489	10.0	BHE3538	05/23/2024 16:45	KRB
EPA 625.1	Fluoranthene	A	<0.0676	U	ug/L	1	0.0676	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Fluorene	A	<0.0589	U	ug/L	1	0.0589	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Hexachlorobenzene	A	<0.0629	U	ug/L	1	0.0629	5.00	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Indeno(1,2,3-cd) pyrene	A	<0.126	U	ug/L	1	0.126	5.00	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Isophorone	A	<0.0853	U	ug/L	1	0.0853	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Naphthalene	A	<0.0742	U	ug/L	1	0.0742	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Nitrobenzene	A	<0.118	U	ug/L	1	0.118	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	n-Nitrosodimethylamine	A	<1.24	U	ug/L	1	1.24	50.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	n-Nitrosodi-n-propylamine	A	<0.445	U	ug/L	1	0.445	20.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Pentachlorophenol	A	<0.437	U	ug/L	1	0.437	5.00	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Phenanthrene	A	<0.0816	U	ug/L	1	0.0816	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Phenol, Total	A	0.632		ug/L	1	0.470	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	Pyrene	A	<0.0848	U	ug/L	1	0.0848	10.0	BHE3538	05/23/2024 05:55	KRB
EPA 625.1	*Surrogate: 2,4,6-Tribromophenol-surr*		*58.5%*		*33.6-139*					*05/23/2024 05:55*	
EPA 625.1	*Surrogate: 2-Fluorobiphenyl-surr*		*49.4%*		*32.2-138*					*05/23/2024 05:55*	
EPA 625.1	*Surrogate: 2-Fluorophenol-surr*		*51.9%*		*32.7-137*					*05/23/2024 05:55*	
EPA 625.1	*Surrogate: Nitrobenzene-d5-surr*		*87.8%*		*31.2-136*					*05/23/2024 05:55*	
EPA 625.1	*Surrogate: Phenol-d5-surr*		*33.8%*		*28.9-155*					*05/23/2024 05:55*	
EPA 625.1	*Surrogate: p-Terphenyl-d14-surr*		*73.0%*		*37.6-117*					*05/23/2024 05:55*	
Organics by GC											
SM 6640 B	2,4-D	A	<0.236	C+, U	ug/L	2	0.236	0.700	BHE3309	06/08/2024 22:43	cdg
SM 6640 B	Silvex (2,4,5-TP)	A	<0.238	C+, U	ug/L	2	0.238	0.300	BHE3309	06/08/2024 22:43	cdg
SM 6640 B	2,4,5-T	N	<0.236	C+, U	ug/L	2	0.236	0.236	BHE3309	06/08/2024 22:43	cdg
SM 6640 B	*Surrogate: DCAA-surr*		*102%*		*70-130*					*06/08/2024 22:43*	
EPA 1657	Chlorpyrifos	A	<0.0265	U	ug/L	1	0.0265	0.0516	BHE3274	06/11/2024 08:49	cdg
EPA 1657	Diazinon	A	<0.0332	U	ug/L	1	0.0332	0.516	BHE3274	06/11/2024 08:49	cdg
EPA 1657	Malathion	A	<0.0137	U	ug/L	1	0.0137	0.103	BHE3274	06/11/2024 08:49	cdg
EPA 1657	Parathion, ethyl	A	<0.0213	U	ug/L	1	0.0213	0.103	BHE3274	06/11/2024 08:49	cdg
EPA 1657	Disulfoton	N	<0.0157	U	ug/L	1	0.0157	0.0516	BHE3274	06/11/2024 08:49	cdg
EPA 1657	*Surrogate: Triphenyl Phosphate-surr*		*22.4%*	*S*	*40-120*					*06/11/2024 08:49*	

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Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler (Continued)
Lab Sample ID: 24D3991-01
Regional WWTP - Table II - Outfall Sampler [none]

Sample Matrix: Waste Water
Date Collected: 05/15/2024 7:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
General Chemistry											
EPA 300.0	Fluoride	A	0.218		mg/L	1	0.0105	0.250	BHE3061	05/17/2024 23:28	EM
EPA 300.0	Nitrate as N	A	9.04	H	mg/L	1	0.0142	0.100	BHE3061	05/17/2024 23:28	EM

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Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler
Lab Sample ID: 24D3991-01RE1
Regional WWTP - Table II - Outfall Sampler [none]

Sample Matrix: Waste Water
Date Collected: 05/15/2024 7:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Semivolatile Organic Compounds by GCMS											
EPA 625.1	3,3'-Dichlorobenzidine (Rerun)	A	<3.87	U	ug/L	1	3.87	5.00	BHE3538	05/23/2024 01:40	KRB
EPA 625.1	Benzidine (Rerun)	A	<11.8	U	ug/L	1	11.8	50.0	BHE3538	05/23/2024 01:40	KRB
EPA 625.1	*Surrogate: 2-Fluorobiphenyl-surr (Rerun)*		*79.6%*		*32.2-138*					*05/23/2024 01:40*	
EPA 625.1	*Surrogate: Nitrobenzene-d5-surr (Rerun)*		*87.6%*		*31.2-136*					*05/23/2024 01:40*	
EPA 625.1	*Surrogate: p-Terphenyl-d14-surr (Rerun)*		*70.9%*		*37.6-117*					*05/23/2024 01:40*	
Organics by GC											
EPA 1657	Azinphos-methyl (Guthion) (Rerun)	A	<0.0343	U	ug/L	1	0.0343	0.103	BHE3274	06/13/2024 07:15	cdg
EPA 1657	Demeton (Rerun)	A	<0.0133	C+, U	ug/L	1	0.0133	0.206	BHE3274	06/13/2024 07:15	cdg
EPA 1657	*Surrogate: Tributyl Phosphate-surr (Rerun)*		*29.6%*	*S*	*40-120*					*06/13/2024 07:15*	
EPA 1657	*Surrogate: Triphenyl Phosphate-surr (Rerun)*		*19.3%*	*S*	*40-120*					*06/13/2024 07:15*	

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Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler
Lab Sample ID: 24D3991-01RE2
Regional WWTP - Table II - Outfall Sampler [none]

Sample Matrix: Waste Water
Date Collected: 05/15/2024 7:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Semivolatile Organic Compounds by GCMS											
EPA 625.1	1,2,4,5-Tetrachlorobenzene (Rerun)	A	<0.0760	U	ug/L	1	0.0760	10.0	BHE3538	05/24/2024 23:47	KRB
EPA 625.1	2-Chloronaphthalene (Rerun)	A	<0.123	U	ug/L	1	0.123	10.0	BHE3538	05/24/2024 23:47	KRB
EPA 625.1	Hexachlorobutadiene (Rerun)	A	<0.0697	U	ug/L	1	0.0697	10.0	BHE3538	05/24/2024 23:47	KRB
EPA 625.1	Hexachlorocyclopentadiene (Rerun)	A	<0.250	U	ug/L	1	0.250	10.0	BHE3538	05/24/2024 23:47	KRB
EPA 625.1	Hexachloroethane (Rerun)	A	<0.0644	U	ug/L	1	0.0644	20.0	BHE3538	05/24/2024 23:47	KRB
EPA 625.1	Hexachlorophene (Rerun)	A	0.941		ug/L	1	0.343	10.0	BHE3538	05/24/2024 23:47	KRB
EPA 625.1	n-Nitrosodiethylamine (Rerun)	A	1.63		ug/L	1	0.162	20.0	BHE3538	05/24/2024 23:47	KRB
EPA 625.1	n-Nitroso-di-n-butylamine (Rerun)	A	<1.87	U	ug/L	1	1.87	20.0	BHE3538	05/24/2024 23:47	KRB
EPA 625.1	n-Nitrosodiphenylamine (Rerun)	A	<0.0609	U	ug/L	1	0.0609	20.0	BHE3538	05/24/2024 23:47	KRB
EPA 625.1	Pentachlorobenzene (Rerun)	A	<0.0514	U	ug/L	1	0.0514	20.0	BHE3538	05/24/2024 23:47	KRB
EPA 625.1	Pyridine (Rerun)	A	<4.40	U	ug/L	1	4.40	20.0	BHE3538	05/24/2024 23:47	KRB
EPA 625.1	*Surrogate: 2,4,6-Tribromophenol-surr (Rerur*		*66.1%*		*33.6-139*					*05/24/2024 23:47*	
EPA 625.1	*Surrogate: 2-Fluorobiphenyl-surr (Rerun)*		*72.9%*		*32.2-138*					*05/24/2024 23:47*	
EPA 625.1	*Surrogate: 2-Fluorophenol-surr (Rerun)*		*56.8%*		*32.7-137*					*05/24/2024 23:47*	
EPA 625.1	*Surrogate: Nitrobenzene-d5-surr (Rerun)*		*98.2%*		*31.2-136*					*05/24/2024 23:47*	
EPA 625.1	*Surrogate: Phenol-d5-surr (Rerun)*		*44.6%*		*28.9-155*					*05/24/2024 23:47*	
EPA 625.1	*Surrogate: p-Terphenyl-d14-surr (Rerun)*		*75.4%*		*37.6-117*					*05/24/2024 23:47*	

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Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler
Lab Sample ID: 24D3992-01
Regional WWTP - Table III - Outfall Sampler [none]

Sample Matrix: Waste Water
Date Collected: 05/15/2024 7:15
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 200.8	Aluminum	A	0.0172		mg/L	1	0.000167	0.00500	BHE3405	05/22/2024 14:15	JKC
EPA 200.8	Antimony	A	0.000839		mg/L	1	5.89E-5	0.00200	BHE3405	05/23/2024 09:49	JKC
EPA 200.8	Arsenic	A	0.00257		mg/L	1	4.68E-5	0.000500	BHE3405	05/24/2024 09:31	JKC
EPA 200.8	Barium	A	0.158		mg/L	1	2.00E-5	0.00300	BHE3405	05/22/2024 14:15	JKC
EPA 200.8	Beryllium	A	<1.37E-5	U	mg/L	1	1.37E-5	0.000200	BHE3405	05/22/2024 14:15	JKC
EPA 200.8	Cadmium	A	1.50E-5		mg/L	1	7.98E-6	0.00100	BHE3405	05/22/2024 14:15	JKC
EPA 200.8	Chromium	A	0.000418		mg/L	1	8.39E-5	0.00300	BHE3405	05/22/2024 14:15	JKC
EPA 200.8	Copper	A	0.00333		mg/L	1	0.000182	0.00200	BHE3405	05/22/2024 14:15	JKC
Calc	Chromium (III)		<0.00600		mg/L	1	0.00158	0.00600	[CALC]	05/22/2024 14:15	JVG
EPA 200.8	Lead	A	0.000149		mg/L	1	1.20E-5	0.000500	BHE3405	05/22/2024 14:15	JKC
EPA 200.8	Molybdenum	A	0.00137		mg/L	1	2.17E-5	0.00100	BHE3405	05/22/2024 14:15	JKC
EPA 200.8	Nickel	A	0.00241		mg/L	1	3.98E-5	0.00200	BHE3405	05/22/2024 14:15	JKC
EPA 200.8	Selenium	A	0.000432		mg/L	1	0.000354	0.00500	BHE3405	05/22/2024 14:15	JKC
EPA 200.8	Silver	A	<4.67E-6	U	mg/L	1	4.67E-6	0.000500	BHE3405	05/22/2024 14:15	JKC
EPA 200.8	Thallium	A	<6.17E-5	U	mg/L	1	6.17E-5	0.000500	BHE3405	05/22/2024 14:15	JKC
EPA 200.8	Zinc	A	0.0115		mg/L	1	0.000207	0.00200	BHE3405	05/22/2024 14:15	JKC
Metals, Dissolved											
SM 3500-Cr B	Chromium (VI)	A	0.00551		mg/L	1	0.00150	0.00300	BHE2887	05/17/2024 12:54	JVG

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Sample Results
(Continued)

Client Sample ID: 18 Mohm DI - Raw
Lab Sample ID: 24D3993-01
Regional WWTP - Table 2&3 - Raw - Grab 1 [none]

Sample Matrix: 18 MOhm DI Water
Date Collected: 05/13/2024 17:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00250	U	ug/L	1	0.00250	0.00500	BHE3080	06/19/2024 10:05	JKC

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Sample Results
(Continued)

Client Sample ID: Raw
Lab Sample ID: 24D3993-02
Regional WWTP - Table 2&3 - Raw - Grab 1 [none]

Sample Matrix: Waste Water
Date Collected: 05/13/2024 17:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00250	U	ug/L	1	0.00250	0.00500	BHE3080	06/19/2024 10:10	JKC

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Sample Results
(Continued)

Client Sample ID: Raw 4 Part Grab
Lab Sample ID: 24D3993-03
Regional WWTP - Table 2&3 - Raw - Grab 1 [none]

Sample Matrix: Waste Water
Date Collected: 05/13/2024 17:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Field											
Calc	Flow Field	N	4.70		MGD	1	0.00	0.00	BHE3008	05/13/2024 17:00	CLNT

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Sample Results
(Continued)

Client Sample ID: 18 Mohm DI - Raw
Lab Sample ID: 24D3994-01
Regional WWTP - Table 2&3 - Raw - Grab 2 [none]

Sample Matrix: 18 MOhm DI Water
Date Collected: 05/13/2024 23:00
Collected by: Cody Valle

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00250	U	ug/L	1	0.00250	0.00500	BHE3080	06/19/2024 09:22	JKC

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11/14/2024 08:19

Sample Results
(Continued)

Client Sample ID: Raw
Lab Sample ID: 24D3994-02
Regional WWTP - Table 2&3 - Raw - Grab 2 [none]

Sample Matrix: Waste Water
Date Collected: 05/13/2024 23:00
Collected by: Cody Valle

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00250	U	ug/L	1	0.00250	0.00500	BHE3080	06/19/2024 09:26	JKC

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Sample Results
(Continued)

Client Sample ID: Raw 4 Part Grab
Lab Sample ID: 24D3994-03
Regional WWTP - Table 2&3 - Raw - Grab 2 [none]

Sample Matrix: Waste Water
Date Collected: 05/13/2024 23:00
Collected by: Cody Valle

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Field											
Calc	Flow Field	N	5.30		MGD	1	0.00	0.00	BHE3007	05/13/2024 23:00	CLNT

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Sample Results
(Continued)

Client Sample ID: 18 Mohm DI - Raw
Lab Sample ID: 24D3995-01
Regional WWTP - Table 2&3 - Raw - Grab 3 [none]

Sample Matrix: 18 MOhm DI Water
Date Collected: 05/14/2024 7:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00250	U	ug/L	1	0.00250	0.00500	BHE3080	06/19/2024 09:31	JKC

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Sample Results
(Continued)

Client Sample ID: Raw
Lab Sample ID: 24D3995-02
Regional WWTP - Table 2&3 - Raw - Grab 3 [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 7:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00250	U	ug/L	1	0.00250	0.00500	BHE3080	06/19/2024 09:36	JKC

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Sample Results
(Continued)

Client Sample ID: Raw 4 Part Grab
Lab Sample ID: 24D3995-03
Regional WWTP - Table 2&3 - Raw - Grab 3 [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 7:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Field											
Calc	Flow Field	N	5.90		MGD	1	0.00	0.00	BHE3006	05/14/2024 07:00	CLNT

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Sample Results
(Continued)

Client Sample ID: 18 Mohm DI - Raw
Lab Sample ID: 24D3996-01
Regional WWTP - Table 2&3 - Raw - Grab 4 [none]

Sample Matrix: 18 MOhm DI Water
Date Collected: 05/14/2024 15:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00250	U	ug/L	1	0.00250	0.00500	BHE3080	06/19/2024 09:41	JKC

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Sample Results
(Continued)

Client Sample ID: Raw
Lab Sample ID: 24D3996-02
Regional WWTP - Table 2&3 - Raw - Grab 4 [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 15:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00250	U	ug/L	1	0.00250	0.00500	BHE3080	06/19/2024 09:46	JKC

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Sample Results
(Continued)

Client Sample ID: Raw 4 Part Grab
Lab Sample ID: 24D3996-03
Regional WWTP - Table 2&3 - Raw - Grab 4 [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 15:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Field											
Calc	Flow Field	N	4.80		MGD	1	0.00	0.00	BHE3005	05/14/2024 15:00	CLNT

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Sample Results
(Continued)

Client Sample ID: Raw 4 Part Grab Composite
Lab Sample ID: 24D3996-04
Regional WWTP - Table 2&3 - Raw - Grab 4 [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 15:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Volatile Organic Compounds by GCMS											
EPA 624.1	1,1,1-Trichloroethane	A	<0.622	U	ug/L	1	0.622	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	1,1,2,2-Tetrachloroethane	A	<0.867	U	ug/L	1	0.867	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	1,1,2-Trichloroethane	A	<0.789	U	ug/L	1	0.789	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	1,1-Dichloroethane	A	<0.967	U	ug/L	1	0.967	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	1,1-Dichloroethylene	A	<0.849	U	ug/L	1	0.849	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	1,2-Dibromoethane (EDB, Ethylene dibromide)	A	<0.706	U	ug/L	1	0.706	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	1,2-Dichlorobenzene (o-Dichlorobenzene)	A	<0.881	U	ug/L	1	0.881	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	1,2-Dichloroethane (Ethylene dichloride)	A	<0.870	U	ug/L	1	0.870	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	1,2-Dichloropropane	A	<0.854	U	ug/L	1	0.854	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	1,3-Dichlorobenzene (m-Dichlorobenzene)	A	<0.717	U	ug/L	1	0.717	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	3.31		ug/L	1	0.641	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	2-Butanone (Methyl ethyl ketone, MEK)	A	<7.38	U	ug/L	1	7.38	50.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	2-Chloroethyl vinyl ether	A	<3.14	U	ug/L	1	3.14	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Acrolein (Propenal)	A	<5.68	U	ug/L	1	5.68	50.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Acrylonitrile	A	<1.60	U	ug/L	1	1.60	50.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Benzene	A	<0.604	U	ug/L	1	0.604	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Bromodichloromethane	A	<0.727	U	ug/L	1	0.727	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Bromoform	A	<0.678	U	ug/L	1	0.678	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Carbon tetrachloride	A	<0.500	U	ug/L	1	0.500	2.00	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Chlorobenzene	A	<0.724	U	ug/L	1	0.724	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Chlorodibromomethane	A	<0.802	U	ug/L	1	0.802	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Chloroethane (Ethyl chloride)	A	<1.30	U	ug/L	1	1.30	50.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Chloroform	A	<0.688	U	ug/L	1	0.688	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	cis-1,3-Dichloropropene	A	<0.580	U	ug/L	1	0.580	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Ethylbenzene	A	<0.727	U	ug/L	1	0.727	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Methyl bromide (Bromomethane)	A	<1.42	U	ug/L	1	1.42	50.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Methyl chloride (Chloromethane)	A	<0.765	U	ug/L	1	0.765	50.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Methylene chloride (Dichloromethane)	A	<1.60	U	ug/L	1	1.60	20.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Tetrachloroethylene (Perchloroethylene)	A	<0.703	U	ug/L	1	0.703	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Toluene	A	3.46		ug/L	1	0.649	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Total Trihalomethanes (TTHMs)	A	<2.00	U	ug/L	1	2.00	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	trans-1,2-Dichloroethylene	A	<0.899	U	ug/L	1	0.899	10.0	BHE3035	05/17/2024 14:55	DDB

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Sample Results
(Continued)

Client Sample ID: Raw 4 Part Grab Composite (Continued)
Lab Sample ID: 24D3996-04
Regional WWTP - Table 2&3 - Raw - Grab 4 [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 15:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Volatile Organic Compounds by GCMS (Continued)											
EPA 624.1	trans-1,3-Dichloropropylene	A	<0.496	U	ug/L	1	0.496	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Trichloroethene (Trichloroethylene)	A	<0.744	U	ug/L	1	0.744	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	Vinyl chloride (Chloroethene)	A	<1.30	U	ug/L	1	1.30	10.0	BHE3035	05/17/2024 14:55	DDB
EPA 624.1	*Surrogate: 4-Bromofluorobenzene-surr*		*103%*		*70-130*					*05/17/2024 14:55*	
EPA 624.1	*Surrogate: 1,2-Dichloroethane-d4-surr*		*110%*		*70-130*					*05/17/2024 14:55*	
EPA 624.1	*Surrogate: Dibromofluoromethane-surr*		*111%*		*70-130*					*05/17/2024 14:55*	
EPA 624.1	*Surrogate: Toluene-d8-surr*		*100%*		*70-130*					*05/17/2024 14:55*	

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Sample Results
(Continued)

Client Sample ID: Raw Sampler
Lab Sample ID: 24D3997-01
Regional WWTP - Table II - Raw Sampler [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 15:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Semivolatile Organic Compounds by GCMS											
ASTM D7065	Nonylphenol	N	31.1		ug/L	2	5.94	333	BHE3062	05/18/2024 08:38	cdg
ASTM D7065	*Surrogate: n-NP-surr*		*74.9%*		*60-140*					*05/18/2024 08:38*	
EPA 625.1	2-Methylphenol		<0.334	U	ug/L	1	0.334	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	1,2,4-Trichlorobenzene	A	<0.0943	U	ug/L	1	0.0943	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	1,2-Diphenylhydrazine	A	6.14		ug/L	1	0.250	20.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	A	<0.129	U	ug/L	1	0.129	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	2,4,5-Trichlorophenol	A	<0.210	U	ug/L	1	0.210	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	2,4,6-Trichlorophenol	A	<0.385	U	ug/L	1	0.385	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	2,4-Dichlorophenol	A	0.500		ug/L	1	0.256	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	2,4-Dimethylphenol	A	<0.294	U	ug/L	1	0.294	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	2,4-Dinitrophenol	A	<2.85	U	ug/L	1	2.85	50.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	2,4-Dinitrotoluene (2,4-DNT)	A	<0.0530	U	ug/L	1	0.0530	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	2,6-Dinitrotoluene (2,6-DNT)	A	0.998		ug/L	1	0.584	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	2-Chlorophenol	A	0.349		ug/L	1	0.147	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	A	<0.511	U	ug/L	1	0.511	50.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	2-Nitrophenol	A	<0.218	U	ug/L	1	0.218	20.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	3,4-Methylphenol	A	7.98		ug/L	1	0.462	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	4-Bromophenyl phenyl ether (BDE-3)	A	<0.0682	U	ug/L	1	0.0682	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	4-Chloro-3-methylphenol	A	<0.218	U	ug/L	1	0.218	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	4-Chlorophenyl phenylether	A	<0.207	U	ug/L	1	0.207	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	4-Nitrophenol	A	<2.40	U	ug/L	1	2.40	50.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Acenaphthene	A	<0.0776	U	ug/L	1	0.0776	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Acenaphthylene	A	0.204		ug/L	1	0.0594	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Anthracene	A	0.0552		ug/L	1	0.0532	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Benzo(a)anthracene	A	<0.0738	U	ug/L	1	0.0738	5.00	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Benzo(a)pyrene	A	<0.143	U	ug/L	1	0.143	5.00	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	benzo(b&k)fluoranthene	A	<0.118	U	ug/L	1	0.118	5.00	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Benzo(g,h,i)perylene	A	<0.112	U	ug/L	1	0.112	20.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	bis(2-Chloroethoxy)methane	A	<0.112	U	ug/L	1	0.112	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	bis(2-Chloroethyl) ether	A	<0.184	U	ug/L	1	0.184	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Bis(2-ethylhexyl)phthalate	A	6.49		ug/L	3	1.50	10.0	BHE3538	05/23/2024 21:09	KRB
EPA 625.1	Butyl benzyl phthalate	A	0.176		ug/L	1	0.123	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Chrysene	A	<0.0573	U	ug/L	1	0.0573	5.00	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Dibenzo(a,h)anthracene	A	<0.152	U	ug/L	1	0.152	5.00	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Dibenzofuran	A	<0.122	U	ug/L	1	0.122	10.0	BHE3538	05/23/2024 08:58	KRB

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Sample Results
(Continued)

Client Sample ID: Raw Sampler (Continued)
Lab Sample ID: 24D3997-01
Regional WWTP - Table II - Raw Sampler [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 15:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Semivolatile Organic Compounds by GCMS (Continued)											
EPA 625.1	Diethyl phthalate	A	2.26		ug/L	1	0.150	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Dimethyl phthalate	A	0.561		ug/L	1	0.0869	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Di-n-butyl phthalate	A	0.880		ug/L	1	0.505	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Di-n-octyl phthalate	A	<0.815	U	ug/L	5	0.815	10.0	BHE3538	05/23/2024 19:56	KRB
EPA 625.1	Fluoranthene	A	0.0826		ug/L	1	0.0676	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Fluorene	A	<0.0589	U	ug/L	1	0.0589	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Hexachlorobenzene	A	<0.0629	U	ug/L	1	0.0629	5.00	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Indeno(1,2,3-cd) pyrene	A	<0.126	U	ug/L	1	0.126	5.00	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Isophorone	A	0.234		ug/L	1	0.0853	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Naphthalene	A	<0.0742	U	ug/L	1	0.0742	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Nitrobenzene	A	<0.118	U	ug/L	1	0.118	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	n-Nitrosodimethylamine	A	<1.24	U	ug/L	1	1.24	50.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	n-Nitrosodi-n-propylamine	A	<0.445	U	ug/L	1	0.445	20.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Pentachlorophenol	A	<0.437	U	ug/L	1	0.437	5.00	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Phenanthrene	A	<0.0816	U	ug/L	1	0.0816	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	Phenol, Total	A	15.8		ug/L	5	2.35	10.0	BHE3538	05/23/2024 19:56	KRB
EPA 625.1	Pyrene	A	<0.0848	U	ug/L	1	0.0848	10.0	BHE3538	05/23/2024 08:58	KRB
EPA 625.1	*Surrogate: 2,4,6-Tribromophenol-surr*		*63.9%*		*33.6-139*					*05/23/2024 08:58*	
EPA 625.1	*Surrogate: 2-Fluorobiphenyl-surr*		*71.3%*		*32.2-138*					*05/23/2024 08:58*	
EPA 625.1	*Surrogate: 2-Fluorophenol-surr*		*87.2%*		*32.7-137*					*05/23/2024 08:58*	
EPA 625.1	*Surrogate: Nitrobenzene-d5-surr*		*69.2%*		*31.2-136*					*05/23/2024 08:58*	
EPA 625.1	*Surrogate: Phenol-d5-surr*		*98.0%*		*28.9-155*					*05/23/2024 08:58*	
EPA 625.1	*Surrogate: p-Terphenyl-d14-surr*		*81.1%*		*37.6-117*					*05/23/2024 19:56*	
Organics by GC											
SM 6640 B	2,4-D	A	<0.236	U, C+	ug/L	2	0.236	0.700	BHE3309	06/08/2024 23:38	cdg
SM 6640 B	Silvex (2,4,5-TP)	A	<0.238	U, C+	ug/L	2	0.238	0.300	BHE3309	06/08/2024 23:38	cdg
SM 6640 B	2,4,5-T	N	<0.236	U, C+	ug/L	2	0.236	0.236	BHE3309	06/08/2024 23:38	cdg
SM 6640 B	*Surrogate: DCAA-surr*		*90.0%*		*70-130*					*06/08/2024 23:38*	
EPA 1657	Demeton	A	<0.0137	C+, U	ug/L	1	0.0137	0.212	BHE3274	06/11/2024 09:20	cdg
EPA 1657	Demeton-o	N	<0.0137	C+, U	ug/L	1	0.0137	0.212	BHE3274	06/11/2024 09:20	cdg
EPA 1657	Demeton-s	N	<0.0137	C+, U	ug/L	1	0.0137	0.212	BHE3274	06/11/2024 09:20	cdg
EPA 1657	*Surrogate: Tributyl Phosphate-surr*		*12.9%*	*S*	*40-120*					*06/11/2024 09:20*	

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Sample Results
(Continued)

Client Sample ID: Raw Sampler (Continued)
Lab Sample ID: 24D3997-01
Regional WWTP - Table II - Raw Sampler [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 15:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
General Chemistry											
EPA 300.0	Fluoride	A	0.173		mg/L	1	0.0105	0.250	BHE3061	05/18/2024 00:08	EM
EPA 300.0	Nitrate as N	A	<0.0142	H, U	mg/L	1	0.0142	0.100	BHE3061	05/18/2024 00:08	EM

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Sample Results
(Continued)

Client Sample ID: Raw Sampler
Lab Sample ID: 24D3997-01RE1
Regional WWTP - Table II - Raw Sampler [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 15:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Semivolatile Organic Compounds by GCMS											
EPA 625.1	3,3'-Dichlorobenzidine (Rerun)	A	<3.87	U	ug/L	1	3.87	5.00	BHE3538	05/23/2024 04:36	KRB
EPA 625.1	Benzidine (Rerun)	A	<11.8	U	ug/L	1	11.8	50.0	BHE3538	05/23/2024 04:36	KRB
EPA 625.1	*Surrogate: 2-Fluorobiphenyl-surr (Rerun)*		*87.5%*		*32.2-138*					*05/23/2024 04:36*	
EPA 625.1	*Surrogate: Nitrobenzene-d5-surr (Rerun)*		*72.3%*		*31.2-136*					*05/23/2024 04:36*	
EPA 625.1	*Surrogate: p-Terphenyl-d14-surr (Rerun)*		*49.0%*		*37.6-117*					*05/23/2024 04:36*	
Organics by GC											
EPA 1657	Azinphos-methyl (Guthion) (Rerun)	A	<0.0706	A, U	ug/L	2	0.0706	0.212	BHE3274	06/13/2024 07:45	cdg
EPA 1657	Chlorpyrifos (Rerun)	A	<0.0545	A, U	ug/L	2	0.0545	0.106	BHE3274	06/13/2024 07:45	cdg
EPA 1657	Diazinon (Rerun)	A	<0.0683	A, U	ug/L	2	0.0683	1.06	BHE3274	06/13/2024 07:45	cdg
EPA 1657	Malathion (Rerun)	A	<0.0282	A, U	ug/L	2	0.0282	0.212	BHE3274	06/13/2024 07:45	cdg
EPA 1657	Parathion, ethyl (Rerun)	A	<0.0439	A, U	ug/L	2	0.0439	0.212	BHE3274	06/13/2024 07:45	cdg
EPA 1657	*Surrogate: Tributyl Phosphate-surr (Rerun)*		*9.13%*	*S*	*40-120*					*06/13/2024 07:45*	
EPA 1657	*Surrogate: Triphenyl Phosphate-surr (Rerun)*		*9.51%*	*S*	*40-120*					*06/13/2024 07:45*	

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Sample Results
(Continued)

Client Sample ID: Raw Sampler
Lab Sample ID: 24D3997-01RE2
Regional WWTP - Table II - Raw Sampler [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 15:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Semivolatile Organic Compounds by GCMS											
EPA 625.1	1,2,4,5-Tetrachlorobenzene (Rerun)	A	<0.0760	U	ug/L	1	0.0760	10.0	BHE3538	05/25/2024 02:51	KRB
EPA 625.1	2-Chloronaphthalene (Rerun)	A	<0.123	U	ug/L	1	0.123	10.0	BHE3538	05/25/2024 02:51	KRB
EPA 625.1	Hexachlorobutadiene (Rerun)	A	<0.0697	U	ug/L	1	0.0697	10.0	BHE3538	05/25/2024 02:51	KRB
EPA 625.1	Hexachlorocyclopentadiene (Rerun)	A	<0.250	U	ug/L	1	0.250	10.0	BHE3538	05/25/2024 02:51	KRB
EPA 625.1	Hexachloroethane (Rerun)	A	<0.0644	U	ug/L	1	0.0644	20.0	BHE3538	05/25/2024 02:51	KRB
EPA 625.1	Hexachlorophene (Rerun)	A	<0.343	U	ug/L	1	0.343	10.0	BHE3538	05/25/2024 02:51	KRB
EPA 625.1	n-Nitrosodiethylamine (Rerun)	A	<0.162	U	ug/L	1	0.162	20.0	BHE3538	05/25/2024 02:51	KRB
EPA 625.1	n-Nitroso-di-n-butylamine (Rerun)	A	<1.87	U	ug/L	1	1.87	20.0	BHE3538	05/25/2024 02:51	KRB
EPA 625.1	n-Nitrosodiphenylamine (Rerun)	A	<0.0609	U	ug/L	1	0.0609	20.0	BHE3538	05/25/2024 02:51	KRB
EPA 625.1	Pentachlorobenzene (Rerun)	A	<0.0514	U	ug/L	1	0.0514	20.0	BHE3538	05/25/2024 02:51	KRB
EPA 625.1	Pyridine (Rerun)	A	<4.40	U	ug/L	1	4.40	20.0	BHE3538	05/25/2024 02:51	KRB
EPA 625.1	*Surrogate: 2,4,6-Tribromophenol-surr (Rerun*		*75.2%*		*33.6-139*					*05/25/2024 02:51*	
EPA 625.1	*Surrogate: 2-Fluorobiphenyl-surr (Rerun)*		*87.1%*		*32.2-138*					*05/25/2024 02:51*	
EPA 625.1	*Surrogate: 2-Fluorophenol-surr (Rerun)*		*94.8%*		*32.7-137*					*05/25/2024 02:51*	
EPA 625.1	*Surrogate: Nitrobenzene-d5-surr (Rerun)*		*90.2%*		*31.2-136*					*05/25/2024 02:51*	
EPA 625.1	*Surrogate: Phenol-d5-surr (Rerun)*		*110%*		*28.9-155*					*05/25/2024 02:51*	
EPA 625.1	*Surrogate: p-Terphenyl-d14-surr (Rerun)*		*46.8%*		*37.6-117*					*05/25/2024 02:51*	

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Sample Results
(Continued)

Client Sample ID: Raw Sampler
Lab Sample ID: 24D3998-01
Regional WWTP - Table III - Raw Sampler [none]

Sample Matrix: Waste Water
Date Collected: 05/14/2024 15:00
Collected by: Joshua Marquet

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 200.8	Aluminum	A	0.391		mg/L	1	0.000167	0.00500	BHE3405	05/22/2024 14:22	JKC
EPA 200.8	Antimony	A	0.000489		mg/L	1	5.89E-5	0.00200	BHE3405	05/23/2024 09:56	JKC
EPA 200.8	Arsenic	A	0.00228		mg/L	1	4.68E-5	0.000500	BHE3405	05/24/2024 09:36	JKC
EPA 200.8	Barium	A	0.303		mg/L	1	2.00E-5	0.00300	BHE3405	05/22/2024 14:22	JKC
EPA 200.8	Beryllium	A	2.40E-5		mg/L	1	1.37E-5	0.000200	BHE3405	05/22/2024 14:22	JKC
EPA 200.8	Cadmium	A	8.00E-5		mg/L	1	7.98E-6	0.00100	BHE3405	05/22/2024 14:22	JKC
EPA 200.8	Chromium	A	0.00149		mg/L	1	8.39E-5	0.00300	BHE3405	05/22/2024 14:22	JKC
EPA 200.8	Copper	A	0.0163		mg/L	1	0.000182	0.00200	BHE3405	05/22/2024 14:22	JKC
Calc	Chromium (III)		<0.00600		mg/L	1	0.00158	0.00600	[CALC]	05/22/2024 14:22	JVG
EPA 200.8	Lead	A	0.00281		mg/L	1	1.20E-5	0.000500	BHE3405	05/22/2024 14:22	JKC
EPA 200.8	Molybdenum	A	0.000849		mg/L	1	2.17E-5	0.00100	BHE3405	05/22/2024 14:22	JKC
EPA 200.8	Nickel	A	0.00351		mg/L	1	3.98E-5	0.00200	BHE3405	05/22/2024 14:22	JKC
EPA 200.8	Selenium	A	0.000658		mg/L	1	0.000354	0.00500	BHE3405	05/22/2024 14:22	JKC
EPA 200.8	Silver	A	7.40E-5		mg/L	1	4.67E-6	0.000500	BHE3405	05/22/2024 14:22	JKC
EPA 200.8	Thallium	A	<6.17E-5	U	mg/L	1	6.17E-5	0.000500	BHE3405	05/22/2024 14:22	JKC
EPA 200.8	Zinc	A	0.0987		mg/L	1	0.000207	0.00200	BHE3405	05/22/2024 14:22	JKC
Metals, Dissolved											
SM 3500-Cr B	Chromium (VI)	A	0.00199		mg/L	1	0.00150	0.00300	BHE2887	05/17/2024 12:57	JVG

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Quality Control

Volatile Organic Compounds by GCMS

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3035 - EPA 624										
Blank (BHE3035-BLK1)					Prepared & Analyzed: 5/17/2024					
1,1,1-Trichloroethane	<10.0	U	10.0	ug/L						
1,1,2,2-Tetrachloroethane	<10.0	U	10.0	ug/L						
1,1,2-Trichloroethane	<10.0	U	10.0	ug/L						
1,1-Dichloroethane	<10.0	U	10.0	ug/L						
1,1-Dichloroethylene	<10.0	U	10.0	ug/L						
1,2-Dibromoethane (EDB, Ethylene dibromide)	<10.0	U	10.0	ug/L						
1,2-Dichlorobenzene (o-Dichlorobenzene)	<10.0	U	10.0	ug/L						
1,2-Dichloroethane (Ethylene dichloride)	<10.0	U	10.0	ug/L						
1,2-Dichloropropane	<10.0	U	10.0	ug/L						
1,3-Dichlorobenzene (m-Dichlorobenzene)	<10.0	U	10.0	ug/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<10.0	U	10.0	ug/L						
2-Butanone (Methyl ethyl ketone, MEK)	<50.0	U	50.0	ug/L						
2-Chloroethyl vinyl ether	<10.0	U	10.0	ug/L						
Acrolein (Propenal)	<50.0	U	50.0	ug/L						
Acrylonitrile	<50.0	U	50.0	ug/L						
Benzene	<10.0	U	10.0	ug/L						
Bromodichloromethane	<10.0	U	10.0	ug/L						
Bromoform	<10.0	U	10.0	ug/L						
Carbon tetrachloride	<2.00	U	2.00	ug/L						
Chlorobenzene	<10.0	U	10.0	ug/L						
Chlorodibromomethane	<10.0	U	10.0	ug/L						
Chloroethane (Ethyl chloride)	<50.0	U	50.0	ug/L						
Chloroform	<10.0	U	10.0	ug/L						
cis-1,3-Dichloropropene	<10.0	U	10.0	ug/L						
Ethylbenzene	<10.0	U	10.0	ug/L						
Methyl bromide (Bromomethane)	<50.0	U	50.0	ug/L						
Methyl chloride (Chloromethane)	<50.0	U	50.0	ug/L						
Methylene chloride (Dichloromethane)	<20.0	U	20.0	ug/L						
Tetrachloroethylene (Perchloroethylene)	<10.0	U	10.0	ug/L						
Toluene	<10.0	U	10.0	ug/L						
Total Trihalomethanes (TTHMs)	<10.0	U	10.0	ug/L						
trans-1,2-Dichloroethylene	<10.0	U	10.0	ug/L						
trans-1,3-Dichloropropylene	<10.0	U	10.0	ug/L						
Trichloroethene (Trichloroethylene)	<10.0	U	10.0	ug/L						
Vinyl chloride (Chloroethene)	<10.0	U	10.0	ug/L						
Surrogate: 4-Bromofluorobenzene-surr			*50.2*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*52.5*	*ug/L*	*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*52.8*	*ug/L*	*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8-surr			*49.2*	*ug/L*	*50.0*		*98.5*	*70-130*		

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11/14/2024 08:19

Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3035 - EPA 624 (Continued)										
LCS (BHE3035-BS1)					Prepared & Analyzed: 5/17/2024					
1,1,1-Trichloroethane	39.9		10.0	ug/L	50.0		79.7	70-130		
1,1,2,2-Tetrachloroethane	39.9		10.0	ug/L	50.0		79.8	60-140		
1,1,2-Trichloroethane	40.8		10.0	ug/L	50.0		81.6	70-130		
1,1-Dichloroethane	40.6		10.0	ug/L	50.0		81.2	70-130		
1,1-Dichloroethylene	40.1		10.0	ug/L	50.0		80.3	50-150		
1,2-Dibromoethane (EDB, Ethylene dibromide)	40.1		10.0	ug/L	50.0		80.2	70-130		
1,2-Dichlorobenzene (o-Dichlorobenzene)	41.3		10.0	ug/L	50.0		82.6	65-135		
1,2-Dichloroethane (Ethylene dichloride)	40.4		10.0	ug/L	50.0		80.8	70-130		
1,2-Dichloropropane	40.4		10.0	ug/L	50.0		80.8	35-165		
1,3-Dichlorobenzene (m-Dichlorobenzene)	40.8		10.0	ug/L	50.0		81.7	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	41.8		10.0	ug/L	50.0		83.6	65-135		
2-Butanone (Methyl ethyl ketone, MEK)	404		50.0	ug/L	500		80.8	70-130		
2-Chloroethyl vinyl ether	41.3		10.0	ug/L	50.0		82.6	0-225		
Acrolein (Propenal)	229		50.0	ug/L	250		91.6	60-140		
Acrylonitrile	42.1		50.0	ug/L	50.0		84.2	60-140		
Benzene	40.3		10.0	ug/L	50.0		80.5	65-135		
Bromodichloromethane	40.9		10.0	ug/L	50.0		81.8	65-135		
Bromoform	39.7		10.0	ug/L	50.0		79.3	70-130		
Carbon tetrachloride	40.6		2.00	ug/L	50.0		81.2	70-130		
Chlorobenzene	40.9		10.0	ug/L	50.0		81.8	65-135		
Chlorodibromomethane	40.8		10.0	ug/L	50.0		81.7	70-135		
Chloroethane (Ethyl chloride)	40.7		50.0	ug/L	50.0		81.4	40-160		
Chloroform	43.9		10.0	ug/L	50.0		87.8	70-135		
cis-1,3-Dichloropropene	41.0		10.0	ug/L	50.0		82.1	25-175		
Ethylbenzene	41.0		10.0	ug/L	50.0		82.1	60-140		
Methyl bromide (Bromomethane)	39.9		50.0	ug/L	50.0		79.7	15-185		
Methyl chloride (Chloromethane)	40.4		50.0	ug/L	50.0		80.7	0-205		
Methylene chloride (Dichloromethane)	40.4		20.0	ug/L	50.0		80.7	60-140		
Tetrachloroethylene (Perchloroethylene)	39.9		10.0	ug/L	50.0		79.9	70-130		
Toluene	39.9		10.0	ug/L	50.0		79.7	70-130		
Total Trihalomethanes (TTHMs)	165		10.0	ug/L	200		82.7	70-130		
trans-1,2-Dichloroethylene	40.1		10.0	ug/L	50.0		80.3	70-130		
trans-1,3-Dichloropropylene	40.5		10.0	ug/L	50.0		81.0	50-150		
Trichloroethene (Trichloroethylene)	40.0		10.0	ug/L	50.0		80.0	65-135		
Vinyl chloride (Chloroethene)	39.1		10.0	ug/L	50.0		78.1	5-195		
Surrogate: 4-Bromofluorobenzene-surr			*50.8*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*49.3*	*ug/L*	*50.0*		*98.6*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*48.9*	*ug/L*	*50.0*		*97.7*	*70-130*		
Surrogate: Toluene-d8-surr			*50.8*	*ug/L*	*50.0*		*102*	*70-130*		

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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3035 - EPA 624 (Continued)										
LCS Dup (BHE3035-BSD1)					Prepared & Analyzed: 5/17/2024					
1,1,1-Trichloroethane	40.9		10.0	ug/L	50.0		81.9	70-130	2.65	36
1,1,2,2-Tetrachloroethane	39.9		10.0	ug/L	50.0		79.8	60-140	0.0357	61
1,1,2-Trichloroethane	40.4		10.0	ug/L	50.0		80.9	70-130	0.872	45
1,1-Dichloroethane	41.3		10.0	ug/L	50.0		82.7	70-130	1.79	40
1,1-Dichloroethylene	41.5		10.0	ug/L	50.0		82.9	50-150	3.21	32
1,2-Dibromoethane (EDB, Ethylene dibromide)	40.3		10.0	ug/L	50.0		80.7	70-130	0.571	30
1,2-Dichlorobenzene (o-Dichlorobenzene)	40.0		10.0	ug/L	50.0		80.0	65-135	3.14	57
1,2-Dichloroethane (Ethylene dichloride)	41.0		10.0	ug/L	50.0		82.0	70-130	1.48	49
1,2-Dichloropropane	41.3		10.0	ug/L	50.0		82.7	35-165	2.28	55
1,3-Dichlorobenzene (m-Dichlorobenzene)	40.6		10.0	ug/L	50.0		81.2	70-130	0.604	43
1,4-Dichlorobenzene (p-Dichlorobenzene)	40.2		10.0	ug/L	50.0		80.3	65-135	3.95	57
2-Butanone (Methyl ethyl ketone, MEK)	412		50.0	ug/L	500		82.4	70-130	1.95	30
2-Chloroethyl vinyl ether	41.1		10.0	ug/L	50.0		82.3	0-225	0.369	71
Acrolein (Propenal)	217		50.0	ug/L	250		86.8	60-140	5.45	60
Acrylonitrile	43.4		50.0	ug/L	50.0		86.8	60-140	3.00	60
Benzene	40.9		10.0	ug/L	50.0		81.9	65-135	1.66	61
Bromodichloromethane	41.0		10.0	ug/L	50.0		82.1	65-135	0.315	56
Bromoform	38.8		10.0	ug/L	50.0		77.6	70-130	2.21	42
Carbon tetrachloride	41.2		2.00	ug/L	50.0		82.3	70-130	1.41	41
Chlorobenzene	41.5		10.0	ug/L	50.0		83.0	65-135	1.38	53
Chlorodibromomethane	41.7		10.0	ug/L	50.0		83.4	70-135	2.15	50
Chloroethane (Ethyl chloride)	40.4		50.0	ug/L	50.0		80.7	40-160	0.764	78
Chloroform	44.6		10.0	ug/L	50.0		89.3	70-135	1.64	54
cis-1,3-Dichloropropene	41.7		10.0	ug/L	50.0		83.4	25-175	1.60	58
Ethylbenzene	41.2		10.0	ug/L	50.0		82.4	60-140	0.324	63
Methyl bromide (Bromomethane)	40.6		50.0	ug/L	50.0		81.1	15-185	1.75	61
Methyl chloride (Chloromethane)	41.4		50.0	ug/L	50.0		82.7	0-205	2.42	60
Methylene chloride (Dichloromethane)	41.5		20.0	ug/L	50.0		83.0	60-140	2.78	28
Tetrachloroethylene (Perchloroethylene)	41.2		10.0	ug/L	50.0		82.4	70-130	3.08	39
Toluene	40.6		10.0	ug/L	50.0		81.1	70-130	1.78	41
Total Trihalomethanes (TTHMs)	166		10.0	ug/L	200		83.1	70-130	0.526	30
trans-1,2-Dichloroethylene	40.8		10.0	ug/L	50.0		81.6	70-130	1.55	45
trans-1,3-Dichloropropylene	41.2		10.0	ug/L	50.0		82.4	50-150	1.70	86
Trichloroethene (Trichloroethylene)	40.6		10.0	ug/L	50.0		81.1	65-135	1.45	48
Vinyl chloride (Chloroethene)	40.7		10.0	ug/L	50.0		81.3	5-195	4.01	66
Surrogate: 4-Bromofluorobenzene-surr			*49.6*	*ug/L*	*50.0*		*99.2*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*48.9*	*ug/L*	*50.0*		*97.8*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*48.0*	*ug/L*	*50.0*		*96.0*	*70-130*		
Surrogate: Toluene-d8-surr			*50.6*	*ug/L*	*50.0*		*101*	*70-130*		

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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3035 - EPA 624 (Continued)										
Matrix Spike (BHE3035-MS1)	**Source: 24D3990-04**				Prepared & Analyzed: 5/17/2024					
1,1,1-Trichloroethane	45.9		10.0	ug/L	50.0	<10.0	91.8	52-162		
1,1,2,2-Tetrachloroethane	44.1		10.0	ug/L	50.0	<10.0	88.1	46-157		
1,1,2-Trichloroethane	43.2		10.0	ug/L	50.0	<10.0	86.5	52-150		
1,1-Dichloroethane	45.3		10.0	ug/L	50.0	<10.0	90.5	59-155		
1,1-Dichloroethylene	46.6		10.0	ug/L	50.0	<10.0	93.3	0-234		
1,2-Dibromoethane (EDB, Ethylene dibromide)	43.0		10.0	ug/L	50.0	<10.0	85.9	70-130		
1,2-Dichlorobenzene (o-Dichlorobenzene)	44.2		10.0	ug/L	50.0	<10.0	88.4	18-190		
1,2-Dichloroethane (Ethylene dichloride)	44.2		10.0	ug/L	50.0	<10.0	88.3	49-155		
1,2-Dichloropropane	45.9		10.0	ug/L	50.0	<10.0	91.9	0-210		
1,3-Dichlorobenzene (m-Dichlorobenzene)	45.1		10.0	ug/L	50.0	0.783	88.7	59-156		
1,4-Dichlorobenzene (p-Dichlorobenzene)	46.2		10.0	ug/L	50.0	<10.0	92.5	18-190		
2-Butanone (Methyl ethyl ketone, MEK)	443		50.0	ug/L	500	<50.0	88.6	70-130		
2-Chloroethyl vinyl ether	41.7		10.0	ug/L	50.0	<10.0	83.4	0-305		
Acrolein (Propenal)	8.75	J1	50.0	ug/L	250	<50.0	3.50	40-160		
Acrylonitrile	46.5		50.0	ug/L	50.0	<50.0	93.0	40-160		
Benzene	45.3		10.0	ug/L	50.0	<10.0	90.7	37-151		
Bromodichloromethane	45.5		10.0	ug/L	50.0	<10.0	91.1	35-155		
Bromoform	42.2		10.0	ug/L	50.0	<10.0	84.3	45-169		
Carbon tetrachloride	47.2		2.00	ug/L	50.0	<2.00	94.4	70-140		
Chlorobenzene	45.3		10.0	ug/L	50.0	<10.0	90.6	37-160		
Chlorodibromomethane	42.8		10.0	ug/L	50.0	<10.0	85.5	53-149		
Chloroethane (Ethyl chloride)	42.4		50.0	ug/L	50.0	<50.0	84.7	14-230		
Chloroform	40.9		10.0	ug/L	50.0	<10.0	81.8	51-138		
cis-1,3-Dichloropropene	44.4		10.0	ug/L	50.0	<10.0	88.9	0-227		
Ethylbenzene	44.9		10.0	ug/L	50.0	<10.0	89.9	37-162		
Methyl bromide (Bromomethane)	43.5		50.0	ug/L	50.0	<50.0	87.1	0-242		
Methyl chloride (Chloromethane)	44.0		50.0	ug/L	50.0	<50.0	87.9	0-273		
Methylene chloride (Dichloromethane)	45.4		20.0	ug/L	50.0	<20.0	90.8	0-221		
Tetrachloroethylene (Perchloroethylene)	45.6		10.0	ug/L	50.0	<10.0	91.1	64-148		
Toluene	45.2		10.0	ug/L	50.0	<10.0	90.5	47-150		
Total Trihalomethanes (TTHMs)	171		10.0	ug/L	200	<10.0	85.7	70-130		
trans-1,2-Dichloroethylene	45.2		10.0	ug/L	50.0	<10.0	90.4	54-156		
trans-1,3-Dichloropropylene	44.4		10.0	ug/L	50.0	<10.0	88.8	17-183		
Trichloroethene (Trichloroethylene)	46.0		10.0	ug/L	50.0	<10.0	92.1	70-157		
Vinyl chloride (Chloroethene)	43.7		10.0	ug/L	50.0	<10.0	87.5	0-251		
Surrogate: 4-Bromofluorobenzene-surr			*49.1*	*ug/L*	*50.0*		*98.2*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*49.0*	*ug/L*	*50.0*		*98.0*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*48.8*	*ug/L*	*50.0*		*97.7*	*70-130*		
Surrogate: Toluene-d8-surr			*50.3*	*ug/L*	*50.0*		*101*	*70-130*		

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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3035 - EPA 624 (Continued)										
Matrix Spike Dup (BHE3035-MSD1)	**Source: 24D3990-04**				Prepared & Analyzed: 5/17/2024					
1,1,1-Trichloroethane	43.9		10.0	ug/L	50.0	<10.0	87.8	52-162	4.50	36
1,1,2,2-Tetrachloroethane	41.0		10.0	ug/L	50.0	<10.0	81.9	46-157	7.28	61
1,1,2-Trichloroethane	42.3		10.0	ug/L	50.0	<10.0	84.6	52-150	2.19	45
1,1-Dichloroethane	43.2		10.0	ug/L	50.0	<10.0	86.5	59-155	4.55	40
1,1-Dichloroethylene	45.0		10.0	ug/L	50.0	<10.0	90.1	0-234	3.49	32
1,2-Dibromoethane (EDB, Ethylene dibromide)	41.5		10.0	ug/L	50.0	<10.0	83.1	70-130	3.38	30
1,2-Dichlorobenzene (o-Dichlorobenzene)	41.2		10.0	ug/L	50.0	<10.0	82.3	18-190	7.13	57
1,2-Dichloroethane (Ethylene dichloride)	42.5		10.0	ug/L	50.0	<10.0	85.0	49-155	3.82	49
1,2-Dichloropropane	43.4		10.0	ug/L	50.0	<10.0	86.9	0-210	5.62	55
1,3-Dichlorobenzene (m-Dichlorobenzene)	41.7		10.0	ug/L	50.0	0.783	81.8	59-156	7.96	43
1,4-Dichlorobenzene (p-Dichlorobenzene)	41.8		10.0	ug/L	50.0	<10.0	83.6	18-190	10.1	57
2-Butanone (Methyl ethyl ketone, MEK)	435		50.0	ug/L	500	<50.0	87.0	70-130	1.76	30
2-Chloroethyl vinyl ether	42.7		10.0	ug/L	50.0	<10.0	85.4	0-305	2.40	71
Acrylonitrile	44.6		50.0	ug/L	50.0	<50.0	89.2	40-160	4.11	60
Benzene	43.5		10.0	ug/L	50.0	<10.0	87.0	37-151	4.18	61
Bromodichloromethane	42.0		10.0	ug/L	50.0	<10.0	84.0	35-155	8.04	56
Bromoform	40.2		10.0	ug/L	50.0	<10.0	80.4	45-169	4.80	42
Carbon tetrachloride	44.0		2.00	ug/L	50.0	<2.00	87.9	70-140	7.14	41
Chlorobenzene	42.6		10.0	ug/L	50.0	<10.0	85.1	37-160	6.22	53
Chlorodibromomethane	40.5		10.0	ug/L	50.0	<10.0	80.9	53-149	5.54	50
Chloroethane (Ethyl chloride)	42.6		50.0	ug/L	50.0	<50.0	85.3	14-230	0.636	78
Chloroform	37.2		10.0	ug/L	50.0	<10.0	74.4	51-138	9.46	54
cis-1,3-Dichloropropene	42.9		10.0	ug/L	50.0	<10.0	85.9	0-227	3.40	58
Ethylbenzene	42.5		10.0	ug/L	50.0	<10.0	85.0	37-162	5.53	63
Methyl bromide (Bromomethane)	42.5		50.0	ug/L	50.0	<50.0	85.0	0-242	2.38	61
Methyl chloride (Chloromethane)	43.5		50.0	ug/L	50.0	<50.0	87.0	0-273	1.10	60
Methylene chloride (Dichloromethane)	43.3		20.0	ug/L	50.0	<20.0	86.6	0-221	4.64	28
Tetrachloroethylene (Perchloroethylene)	43.6		10.0	ug/L	50.0	<10.0	87.1	64-148	4.48	39
Toluene	42.7		10.0	ug/L	50.0	<10.0	85.3	47-150	5.86	41
Total Trihalomethanes (TTHMs)	160		10.0	ug/L	200	<10.0	79.9	70-130	6.94	30
trans-1,2-Dichloroethylene	43.2		10.0	ug/L	50.0	<10.0	86.4	54-156	4.52	45
trans-1,3-Dichloropropylene	42.6		10.0	ug/L	50.0	<10.0	85.3	17-183	4.09	86
Trichloroethene (Trichloroethylene)	43.1		10.0	ug/L	50.0	<10.0	86.2	70-157	6.56	48
Vinyl chloride (Chloroethene)	43.4		10.0	ug/L	50.0	<10.0	86.9	0-251	0.651	66
Surrogate: 4-Bromofluorobenzene-surr			*49.0*	*ug/L*	*50.0*		*98.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*49.2*	*ug/L*	*50.0*		*98.5*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*48.0*	*ug/L*	*50.0*		*96.0*	*70-130*		
Surrogate: Toluene-d8-surr			*49.4*	*ug/L*	*50.0*		*98.9*	*70-130*		

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Quality Control
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Semivolatile Organic Compounds by GCMS

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3062 - SW-3511										
Blank (BHE3062-BLK1)					Prepared: 5/17/2024 Analyzed: 5/18/2024					
Nonylphenol	<333	U	333	ug/L						
Surrogate: n-NP-surr			*6.73*	*ug/L*	*7.91*		*85.1*	*60-140*		
LCS (BHE3062-BS1)					Prepared: 5/17/2024 Analyzed: 5/18/2024					
Nonylphenol	35.2		333	ug/L	39.9		88.3	56-112		
Surrogate: n-NP-surr			*5.12*	*ug/L*	*7.97*		*64.2*	*60-140*		
LCS Dup (BHE3062-BSD1)					Prepared: 5/17/2024 Analyzed: 5/18/2024					
Nonylphenol	37.3		333	ug/L	39.8		93.7	56-112	5.75	22
Surrogate: n-NP-surr			*7.32*	*ug/L*	*7.95*		*92.1*	*60-140*		
Matrix Spike (BHE3062-MS1)		**Source: 24D3991-01**			Prepared: 5/17/2024 Analyzed: 5/18/2024					
Nonylphenol	32.0		333	ug/L	39.8	<333	80.4	56-112		
Surrogate: n-NP-surr			*5.82*	*ug/L*	*7.96*		*73.1*	*60-140*		
Matrix Spike Dup (BHE3062-MSD1)		**Source: 24D3991-01**			Prepared: 5/17/2024 Analyzed: 5/18/2024					
Nonylphenol	31.5		333	ug/L	39.4	<333	80.0	56-112	1.44	22
Surrogate: n-NP-surr			*5.84*	*ug/L*	*7.88*		*74.1*	*60-140*		
Batch: BHE3538 - EPA 625 LLE										
Blank (BHE3538-BLK1)					Prepared: 5/21/2024 Analyzed: 5/23/2024					
2-Methylphenol	<1.10	U	1.10	ug/L						
1,2,4-Trichlorobenzene	<0.300	U	0.300	ug/L						
1,2-Diphenylhydrazine	<0.750	U	0.750	ug/L						
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	<0.400	U	0.400	ug/L						
2,4,5-Trichlorophenol	<0.700	U	0.700	ug/L						
2,4,6-Trichlorophenol	<1.20	U	1.20	ug/L						
2,4-Dichlorophenol	<0.800	U	0.800	ug/L						
2,4-Dimethylphenol	<0.900	U	0.900	ug/L						
2,4-Dinitrophenol	<8.60	U	8.60	ug/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.200	U	0.200	ug/L						
2,6-Dinitrotoluene (2,6-DNT)	<1.80	U	1.80	ug/L						
2-Chlorophenol	<0.500	U	0.500	ug/L						
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	<1.60	U	1.60	ug/L						
2-Nitrophenol	<0.700	U	0.700	ug/L						
3,4-Methylphenol	<1.40	U	1.40	ug/L						
4-Bromophenyl phenyl ether (BDE-3)	<0.300	U	0.300	ug/L						
4-Chloro-3-methylphenol	<0.700	U	0.700	ug/L						
4-Chlorophenyl phenylether	<0.700	U	0.700	ug/L						
4-Nitrophenol	<7.20	U	7.20	ug/L						
Acenaphthene	<0.300	U	0.300	ug/L						
Acenaphthylene	<0.200	U	0.200	ug/L						
Anthracene	<0.200	U	0.200	ug/L						
Benzo(a)anthracene	<0.300	U	0.300	ug/L						

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3538 - EPA 625 LLE (Continued)										
Blank (BHE3538-BLK1)					Prepared: 5/21/2024 Analyzed: 5/23/2024					
Benzo(a)pyrene	<0.500	U	0.500	ug/L						
benzo(b&k)fluoranthene	<0.400	U	0.400	ug/L						
Benzo(g,h,i)perylene	<0.400	U	0.400	ug/L						
bis(2-Chloroethoxy)methane	<0.400	U	0.400	ug/L						
bis(2-Chloroethyl) ether	<0.600	U	0.600	ug/L						
Bis(2-ethylhexyl)phthalate	0.615		1.50	ug/L						
Butyl benzyl phthalate	<0.400	U	0.400	ug/L						
Chrysene	<0.200	U	0.200	ug/L						
Dibenzo(a,h)anthracene	<0.500	U	0.500	ug/L						
Dibenzofuran	<0.400	U	0.400	ug/L						
Diethyl phthalate	0.262		0.500	ug/L						
Dimethyl phthalate	<0.300	U	0.300	ug/L						
Di-n-butyl phthalate	<1.60	U	1.60	ug/L						
Di-n-octyl phthalate	<0.500	U	0.500	ug/L						
Fluoranthene	<0.300	U	0.300	ug/L						
Fluorene	<0.200	U	0.200	ug/L						
Hexachlorobenzene	<0.200	U	0.200	ug/L						
Indeno(1,2,3-cd) pyrene	<0.400	U	0.400	ug/L						
Isophorone	<0.300	U	0.300	ug/L						
Naphthalene	<0.300	U	0.300	ug/L						
Nitrobenzene	<0.400	U	0.400	ug/L						
n-Nitrosodimethylamine	<3.80	U	3.80	ug/L						
n-Nitrosodi-n-propylamine	<1.40	U	1.40	ug/L						
Pentachlorophenol	<1.40	U	1.40	ug/L						
Phenanthrene	<0.300	U	0.300	ug/L						
Phenol, Total	<1.50	U	1.50	ug/L						
Pyrene	<0.300	U	0.300	ug/L						
Surrogate: 2,4,6-Tribromophenol-surr			*2.59*	*ug/L*	*4.00*		*64.7*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.17*	*ug/L*	*2.00*		*58.7*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*2.45*	*ug/L*	*4.00*		*61.2*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.22*	*ug/L*	*2.00*		*61.1*	*31.2-136*		
Surrogate: Phenol-d5-surr			*2.36*	*ug/L*	*4.00*		*59.1*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.33*	*ug/L*	*2.00*		*66.5*	*37.6-117*		

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3538 - EPA 625 LLE (Continued)										
Blank (BHE3538-BLK2)					Prepared: 5/21/2024 Analyzed: 5/22/2024					
3,3'-Dichlorobenzidine	<4.00	U	4.00	ug/L						
Benzidine	<16.0	U	16.0	ug/L						
Surrogate: 2-Fluorobiphenyl-surr			*1.38*	*ug/L*	*2.00*		*68.8*	*32.2-138*		
Surrogate: Nitrobenzene-d5-surr			*1.47*	*ug/L*	*2.00*		*73.6*	*31.2-136*		
Surrogate: p-Terphenyl-d14-surr			*1.32*	*ug/L*	*2.00*		*66.2*	*37.6-117*		
Blank (BHE3538-BLK3)					Prepared: 5/21/2024 Analyzed: 5/24/2024					
1,2,4,5-Tetrachlorobenzene	<0.300	U	0.300	ug/L						
2-Chloronaphthalene	<0.400	U	0.400	ug/L						
Hexachlorobutadiene	<0.300	U	0.300	ug/L						
Hexachlorocyclopentadiene	<0.750	U	0.750	ug/L						
Hexachloroethane	<0.200	U	0.200	ug/L						
Hexachlorophene	0.524		1.10	ug/L						
n-Nitrosodiethylamine	<0.500	U	0.500	ug/L						
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L						
n-Nitrosodiphenylamine	<0.200	U	0.200	ug/L						
Pentachlorobenzene	<0.200	U	0.200	ug/L						
Pyridine	<13.3	U	13.3	ug/L						
Surrogate: 2,4,6-Tribromophenol-surr			*3.42*	*ug/L*	*4.00*		*85.6*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.20*	*ug/L*	*2.00*		*60.2*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*2.96*	*ug/L*	*4.00*		*74.0*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.59*	*ug/L*	*2.00*		*79.6*	*31.2-136*		
Surrogate: Phenol-d5-surr			*2.79*	*ug/L*	*4.00*		*69.7*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.71*	*ug/L*	*2.00*		*85.6*	*37.6-117*		
BENZ LCS (BHE3538-BS1)					Prepared: 5/21/2024 Analyzed: 5/23/2024					
3,3'-Dichlorobenzidine	48.5		4.00	ug/L	50.0		97.0	0-262		
Benzidine	<16.0	U	16.0	ug/L	50.0			0-131		
Surrogate: 2-Fluorobiphenyl-surr			*1.57*	*ug/L*	*2.00*		*78.7*	*32.2-138*		
Surrogate: Nitrobenzene-d5-surr			*1.63*	*ug/L*	*2.00*		*81.4*	*31.2-136*		
Surrogate: p-Terphenyl-d14-surr		*S*	*2.66*	*ug/L*	*2.00*		*133*	*37.6-117*		

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3538 - EPA 625 LLE (Continued)										
LCS (BHE3538-BS2)					Prepared: 5/21/2024 Analyzed: 5/23/2024					
2-Methylphenol	2.68		1.10	ug/L	4.00		66.9	60-140		
1,2,4-Trichlorobenzene	1.29		0.300	ug/L	2.00		64.5	44-142		
1,2-Diphenylhydrazine	1.65		0.750	ug/L	2.00		82.4	60-140		
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	1.35		0.400	ug/L	2.00		67.3	60-140		
2,4,5-Trichlorophenol	3.21		0.700	ug/L	4.00		80.3	60-140		
2,4,6-Trichlorophenol	2.93		1.20	ug/L	4.00		73.4	37-144		
2,4-Dichlorophenol	3.10		0.800	ug/L	4.00		77.5	39-135		
2,4-Dimethylphenol	3.17		0.900	ug/L	4.00		79.3	32-120		
2,4-Dinitrophenol	9.67		8.60	ug/L	10.0		96.7	0-191		
2,4-Dinitrotoluene (2,4-DNT)	1.50		0.200	ug/L	2.00		74.9	39-139		
2,6-Dinitrotoluene (2,6-DNT)	1.57		1.80	ug/L	2.00		78.7	50-158		
2-Chlorophenol	2.62		0.500	ug/L	4.00		65.5	23-134		
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	3.67		1.60	ug/L	4.00		91.6	0-181		
2-Nitrophenol	3.01		0.700	ug/L	4.00		75.1	29-182		
3,4-Methylphenol	5.11		1.40	ug/L	8.00		63.9	60-140		
4-Bromophenyl phenyl ether (BDE-3)	1.52		0.300	ug/L	2.00		76.0	53-127		
4-Chloro-3-methylphenol	2.99		0.700	ug/L	4.00		74.8	22-147		
4-Chlorophenyl phenylether	1.40		0.700	ug/L	2.00		69.9	25-158		
4-Nitrophenol	8.18		7.20	ug/L	10.0		81.8	0-132		
Acenaphthene	1.35		0.300	ug/L	2.00		67.7	47-145		
Acenaphthylene	1.32		0.200	ug/L	2.00		65.9	33-145		
Anthracene	1.54		0.200	ug/L	2.00		77.0	27-133		
Benzo(a)anthracene	1.42		0.300	ug/L	2.00		70.8	33-143		
Benzo(a)pyrene	1.55		0.500	ug/L	2.00		77.3	17-163		
benzo(b&k)fluoranthene	3.36		0.400	ug/L	4.00		83.9	60-140		
Benzo(g,h,i)perylene	1.66		0.400	ug/L	2.00		83.2	0-219		
bis(2-Chloroethoxy)methane	1.48		0.400	ug/L	2.00		74.2	33-184		
bis(2-Chloroethyl) ether	1.28		0.600	ug/L	2.00		63.8	12-158		
Bis(2-ethylhexyl)phthalate	1.98		1.50	ug/L	2.00		99.0	8-158		
Butyl benzyl phthalate	1.42		0.400	ug/L	2.00		70.9	0-152		
Chrysene	1.72		0.200	ug/L	2.00		86.0	17-168		
Dibenzo(a,h)anthracene	1.74		0.500	ug/L	2.00		87.1	0-227		
Dibenzofuran	1.44		0.400	ug/L	2.00		72.1	60-140		
Diethyl phthalate	1.69		0.500	ug/L	2.00		84.4	0-120		
Dimethyl phthalate	1.51		0.300	ug/L	2.00		75.3	0-120		
Di-n-butyl phthalate	2.11		1.60	ug/L	2.00		106	1-120		
Di-n-octyl phthalate	1.53		1.50	ug/L	2.00		76.5	4-146		
Fluoranthene	1.55		0.300	ug/L	2.00		77.5	26-137		
Fluorene	1.48		0.200	ug/L	2.00		73.9	59-121		
Hexachlorobenzene	1.41		0.200	ug/L	2.00		70.4	0-152		
Indeno(1,2,3-cd) pyrene	1.67		0.400	ug/L	2.00		83.4	0-171		
Isophorone	1.40		0.300	ug/L	2.00		69.9	21-196		
Naphthalene	1.31		0.300	ug/L	2.00		65.7	21-133		
Nitrobenzene	1.44		0.400	ug/L	2.00		72.1	35-180		
n-Nitrosodimethylamine	2.11		3.80	ug/L	10.0		21.1	4.18-37.2		
n-Nitrosodi-n-propylamine	1.31		1.40	ug/L	2.00		65.6	0-230		

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3538 - EPA 625 LLE (Continued)										
LCS (BHE3538-BS2)					Prepared: 5/21/2024 Analyzed: 5/23/2024					
Pentachlorophenol	3.56		1.40	ug/L	4.00		88.9	14-176		
Phenanthrene	1.50		0.300	ug/L	2.00		74.9	54-120		
Phenol, Total	2.84		1.50	ug/L	4.00		70.9	5-120		
Pyrene	1.52		0.300	ug/L	2.00		76.0	52-120		
Surrogate: 2,4,6-Tribromophenol-surr			*2.56*	*ug/L*	*4.00*		*64.0*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.29*	*ug/L*	*2.00*		*64.4*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*2.64*	*ug/L*	*4.00*		*66.1*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.35*	*ug/L*	*2.00*		*67.3*	*31.2-136*		
Surrogate: Phenol-d5-surr			*2.72*	*ug/L*	*4.00*		*67.9*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.27*	*ug/L*	*2.00*		*63.7*	*37.6-117*		
LCS (BHE3538-BS3)					Prepared: 5/21/2024 Analyzed: 5/24/2024					
1,2,4,5-Tetrachlorobenzene	1.23		0.300	ug/L	2.00		61.4	60-140		
2-Chloronaphthalene	1.31		0.400	ug/L	2.00		65.5	60-120		
Hexachlorobutadiene	1.19		0.300	ug/L	2.00		59.4	24-120		
Hexachlorocyclopentadiene	1.26		0.750	ug/L	2.00		63.2	60-140		
Hexachloroethane	1.02		0.200	ug/L	2.00		51.1	40-120		
Hexachlorophene	3.36		1.10	ug/L	4.00		84.0	60-140		
n-Nitrosodiethylamine	1.26		0.500	ug/L	2.00		63.2	60-140		
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L	2.00			60-140		
n-Nitrosodiphenylamine	1.26		0.200	ug/L	2.00		63.2	60-140		
Pentachlorobenzene	1.18	J1	0.200	ug/L	2.00		59.2	60-140		
Pyridine	<13.3	U	13.3	ug/L	10.0			0-137		
Surrogate: 2,4,6-Tribromophenol-surr			*3.34*	*ug/L*	*4.00*		*83.4*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.21*	*ug/L*	*2.00*		*60.5*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*2.51*	*ug/L*	*4.00*		*62.7*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.54*	*ug/L*	*2.00*		*77.0*	*31.2-136*		
Surrogate: Phenol-d5-surr			*2.86*	*ug/L*	*4.00*		*71.5*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.73*	*ug/L*	*2.00*		*86.3*	*37.6-117*		

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Quality Control
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Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3538 - EPA 625 LLE (Continued)										
BENZ LCSD (BHE3538-BSD1)					Prepared: 5/21/2024 Analyzed: 5/23/2024					
3,3'-Dichlorobenzidine	42.3		4.00	ug/L	50.0		84.7	0-262	13.6	108
Benzidine	<16.0	U	16.0	ug/L	50.0			0-131	200	40
Surrogate: 2-Fluorobiphenyl-surr			*1.38*	*ug/L*	*2.00*		*69.1*	*32.2-138*		
Surrogate: Nitrobenzene-d5-surr			*1.25*	*ug/L*	*2.00*		*62.7*	*31.2-136*		
Surrogate: p-Terphenyl-d14-surr			*1.73*	*ug/L*	*2.00*		*86.7*	*37.6-117*		
LCS Dup (BHE3538-BSD2)					Prepared: 5/21/2024 Analyzed: 5/23/2024					
2-Methylphenol	2.90		1.10	ug/L	4.00		72.6	60-140	8.21	40
1,2,4-Trichlorobenzene	0.996		0.300	ug/L	2.00		49.8	44-142	25.8	50
1,2-Diphenylhydrazine	1.27		0.750	ug/L	2.00		63.5	60-140	26.0	40
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	1.40		0.400	ug/L	2.00		70.1	60-140	4.09	40
2,4,5-Trichlorophenol	2.85		0.700	ug/L	4.00		71.3	60-140	11.9	40
2,4,6-Trichlorophenol	2.66		1.20	ug/L	4.00		66.4	37-144	9.98	58
2,4-Dichlorophenol	2.82		0.800	ug/L	4.00		70.5	39-135	9.48	50
2,4-Dimethylphenol	3.36		0.900	ug/L	4.00		84.1	32-120	5.83	58
2,4-Dinitrophenol	7.30		8.60	ug/L	10.0		73.0	0-191	27.9	132
2,4-Dinitrotoluene (2,4-DNT)	1.50		0.200	ug/L	2.00		74.9	39-139	0.00227	42
2,6-Dinitrotoluene (2,6-DNT)	1.48		1.80	ug/L	2.00		73.9	50-158	6.33	48
2-Chlorophenol	2.62		0.500	ug/L	4.00		65.5	23-134	0.0794	61
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	2.82		1.60	ug/L	4.00		70.5	0-181	26.0	203
2-Nitrophenol	2.96		0.700	ug/L	4.00		74.0	29-182	1.51	55
3,4-Methylphenol	5.82		1.40	ug/L	8.00		72.8	60-140	13.0	40
4-Bromophenyl phenyl ether (BDE-3)	1.23		0.300	ug/L	2.00		61.4	53-127	21.4	43
4-Chloro-3-methylphenol	2.65		0.700	ug/L	4.00		66.4	22-147	11.9	73
4-Chlorophenyl phenylether	1.23		0.700	ug/L	2.00		61.5	25-158	12.8	61
4-Nitrophenol	6.98		7.20	ug/L	10.0		69.8	0-132	15.9	131
Acenaphthene	1.17		0.300	ug/L	2.00		58.4	47-145	14.8	48
Acenaphthylene	1.06		0.200	ug/L	2.00		53.2	33-145	21.3	74
Anthracene	1.26		0.200	ug/L	2.00		62.9	27-133	20.2	66
Benzo(a)anthracene	1.13		0.300	ug/L	2.00		56.6	33-143	22.4	53
Benzo(a)pyrene	1.28		0.500	ug/L	2.00		64.1	17-163	18.7	72
benzo(b&k)fluoranthene	2.58		0.400	ug/L	4.00		64.4	60-140	26.3	40
Benzo(g,h,i)perylene	1.34		0.400	ug/L	2.00		66.9	0-219	21.8	97
bis(2-Chloroethoxy)methane	1.71		0.400	ug/L	2.00		85.3	33-184	13.9	54
bis(2-Chloroethyl) ether	1.31		0.600	ug/L	2.00		65.7	12-158	2.91	108
Bis(2-ethylhexyl)phthalate	1.53		1.50	ug/L	2.00		76.5	8-158	25.6	82
Butyl benzyl phthalate	1.31		0.400	ug/L	2.00		65.3	0-152	8.28	60
Chrysene	1.62		0.200	ug/L	2.00		81.0	17-168	5.98	87
Dibenzo(a,h)anthracene	1.44		0.500	ug/L	2.00		72.1	0-227	18.7	126
Dibenzofuran	1.28		0.400	ug/L	2.00		63.9	60-140	12.1	40
Diethyl phthalate	1.54		0.500	ug/L	2.00		77.2	0-120	8.98	100
Dimethyl phthalate	1.34		0.300	ug/L	2.00		67.1	0-120	11.5	183
Di-n-butyl phthalate	1.43		1.60	ug/L	2.00		71.6	1-120	38.4	47
Di-n-octyl phthalate	1.82		1.50	ug/L	2.00		91.2	4-146	17.6	69
Fluoranthene	1.37		0.300	ug/L	2.00		68.7	26-137	12.0	66
Fluorene	1.32		0.200	ug/L	2.00		66.0	59-121	11.3	38

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Reported:
11/14/2024 08:19

Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3538 - EPA 625 LLE (Continued)										
LCS Dup (BHE3538-BSD2)					Prepared: 5/21/2024 Analyzed: 5/23/2024					
Hexachlorobenzene	1.31		0.200	ug/L	2.00		65.6	0-152	7.09	55
Indeno(1,2,3-cd) pyrene	1.39		0.400	ug/L	2.00		69.5	0-171	18.1	99
Isophorone	1.61		0.300	ug/L	2.00		80.3	21-196	13.8	93
Naphthalene	1.08		0.300	ug/L	2.00		53.8	21-133	19.9	65
Nitrobenzene	1.49		0.400	ug/L	2.00		74.6	35-180	3.52	62
n-Nitrosodimethylamine	<3.80	J1, U	3.80	ug/L	10.0			4.18-37.2	200	40
n-Nitrosodi-n-propylamine	1.58		1.40	ug/L	2.00		78.8	0-230	18.3	87
Pentachlorophenol	3.09		1.40	ug/L	4.00		77.3	14-176	13.9	86
Phenanthrene	1.27		0.300	ug/L	2.00		63.7	54-120	16.1	39
Phenol, Total	3.10		1.50	ug/L	4.00		77.6	5-120	9.03	64
Pyrene	1.29		0.300	ug/L	2.00		64.7	52-120	16.1	49
Surrogate: 2,4,6-Tribromophenol-surr			*2.63*	*ug/L*	*4.00*		*65.9*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.06*	*ug/L*	*2.00*		*52.8*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*2.85*	*ug/L*	*4.00*		*71.2*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.56*	*ug/L*	*2.00*		*78.2*	*31.2-136*		
Surrogate: Phenol-d5-surr			*2.81*	*ug/L*	*4.00*		*70.3*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.24*	*ug/L*	*2.00*		*62.0*	*37.6-117*		
LCS Dup (BHE3538-BSD3)					Prepared: 5/21/2024 Analyzed: 5/24/2024					
1,2,4,5-Tetrachlorobenzene	1.17	J1	0.300	ug/L	2.00		58.3	60-140	5.08	40
2-Chloronaphthalene	1.30		0.400	ug/L	2.00		64.8	60-120	1.03	24
Hexachlorobutadiene	0.842		0.300	ug/L	2.00		42.1	24-120	34.1	62
Hexachlorocyclopentadiene	1.18	J1	0.750	ug/L	2.00		59.0	60-140	7.01	40
Hexachloroethane	0.859		0.200	ug/L	2.00		42.9	40-120	17.4	52
Hexachlorophene	3.72		1.10	ug/L	4.00		93.0	60-140	10.2	40
n-Nitrosodiethylamine	1.27		0.500	ug/L	2.00		63.3	60-140	0.193	40
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L	2.00			60-140	200	40
n-Nitrosodiphenylamine	0.693	J1	0.200	ug/L	2.00		34.7	60-140	58.3	40
Pentachlorobenzene	1.12	J1	0.200	ug/L	2.00		56.2	60-140	5.11	40
Pyridine	<13.3	U	13.3	ug/L	10.0			0-137	200	40
Surrogate: 2,4,6-Tribromophenol-surr			*2.30*	*ug/L*	*4.00*		*57.5*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.20*	*ug/L*	*2.00*		*59.9*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*2.95*	*ug/L*	*4.00*		*73.7*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.18*	*ug/L*	*2.00*		*59.0*	*31.2-136*		
Surrogate: Phenol-d5-surr			*2.77*	*ug/L*	*4.00*		*69.3*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.17*	*ug/L*	*2.00*		*58.3*	*37.6-117*		

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3538 - EPA 625 LLE (Continued)										
Matrix Spike (BHE3538-MS1)	**Source: 24D3991-01**				Prepared: 5/21/2024 Analyzed: 5/23/2024					
2-Methylphenol	2.34	J1	1.10	ug/L	4.00	<1.10	58.5	60-140		
1,2,4-Trichlorobenzene	1.90		0.300	ug/L	2.00	<0.300	94.8	44-142		
1,2-Diphenylhydrazine	1.92		0.750	ug/L	2.00	0.338	78.9	60-140		
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	1.41		0.400	ug/L	2.00	<0.400	70.7	60-140		
2,4,5-Trichlorophenol	3.30		0.700	ug/L	4.00	<0.700	82.4	60-140		
2,4,6-Trichlorophenol	3.36		1.20	ug/L	4.00	<1.20	84.0	37-144		
2,4-Dichlorophenol	3.26		0.800	ug/L	4.00	<0.800	81.6	39-135		
2,4-Dimethylphenol	2.26		0.900	ug/L	4.00	<0.900	56.4	32-120		
2,4-Dinitrophenol	9.52		8.60	ug/L	10.0	<8.60	95.2	0-191		
2,4-Dinitrotoluene (2,4-DNT)	1.72		0.200	ug/L	2.00	<0.200	86.1	39-139		
2,6-Dinitrotoluene (2,6-DNT)	2.38		1.80	ug/L	2.00	<1.80	119	50-158		
2-Chlorophenol	2.89		0.500	ug/L	4.00	<0.500	72.3	23-134		
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	3.43		1.60	ug/L	4.00	<1.60	85.7	0-181		
2-Nitrophenol	3.43		0.700	ug/L	4.00	0.236	79.9	29-182		
3,4-Methylphenol	4.48	J1	1.40	ug/L	8.00	<1.40	56.0	60-140		
4-Bromophenyl phenyl ether (BDE-3)	1.57		0.300	ug/L	2.00	<0.300	78.4	53-127		
4-Chloro-3-methylphenol	3.05		0.700	ug/L	4.00	<0.700	76.1	22-147		
4-Chlorophenyl phenylether	1.49		0.700	ug/L	2.00	<0.700	74.3	25-158		
4-Nitrophenol	9.28		7.20	ug/L	10.0	<7.20	92.8	0-132		
Acenaphthene	1.39		0.300	ug/L	2.00	<0.300	69.3	47-145		
Acenaphthylene	1.23		0.200	ug/L	2.00	<0.200	61.4	33-145		
Anthracene	1.41		0.200	ug/L	2.00	<0.200	70.3	27-133		
Benzo(a)anthracene	1.81		0.300	ug/L	2.00	<0.300	90.5	33-143		
Benzo(a)pyrene	1.46		0.500	ug/L	2.00	<0.500	73.0	17-163		
benzo(b&k)fluoranthene	3.64		0.400	ug/L	4.00	<0.400	91.0	60-140		
Benzo(g,h,i)perylene	1.49		0.400	ug/L	2.00	<0.400	74.6	0-219		
bis(2-Chloroethoxy)methane	1.54		0.400	ug/L	2.00	<0.400	77.1	33-184		
bis(2-Chloroethyl) ether	1.29		0.600	ug/L	2.00	<0.600	64.4	12-158		
Bis(2-ethylhexyl)phthalate	1.59		1.50	ug/L	2.00	0.586	50.4	8-158		
Butyl benzyl phthalate	1.96		0.400	ug/L	2.00	<0.400	98.0	0-152		
Chrysene	1.55		0.200	ug/L	2.00	<0.200	77.6	17-168		
Dibenzo(a,h)anthracene	1.66		0.500	ug/L	2.00	<0.500	83.1	0-227		
Dibenzofuran	1.53		0.400	ug/L	2.00	<0.400	76.5	60-140		
Diethyl phthalate	1.83		0.500	ug/L	2.00	0.344	74.2	0-120		
Dimethyl phthalate	1.61		0.300	ug/L	2.00	0.116	74.9	0-120		
Di-n-butyl phthalate	2.09		1.60	ug/L	2.00	<1.60	105	1-120		
Di-n-octyl phthalate	1.12		1.50	ug/L	2.00	<1.50	55.8	4-146		
Fluoranthene	1.60		0.300	ug/L	2.00	<0.300	79.8	26-137		
Fluorene	1.56		0.200	ug/L	2.00	<0.200	78.1	59-121		
Hexachlorobenzene	1.48		0.200	ug/L	2.00	<0.200	73.9	0-152		
Indeno(1,2,3-cd) pyrene	1.59		0.400	ug/L	2.00	<0.400	79.7	0-171		
Isophorone	1.48		0.300	ug/L	2.00	<0.300	73.9	21-196		
Naphthalene	1.31		0.300	ug/L	2.00	<0.300	65.4	21-133		
Nitrobenzene	2.42		0.400	ug/L	2.00	<0.400	121	35-180		
n-Nitrosodimethylamine	3.26		3.80	ug/L	10.0	<3.80	32.6	4.18-91		
n-Nitrosodi-n-propylamine	1.78		1.40	ug/L	2.00	<1.40	88.8	0-230		

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3538 - EPA 625 LLE (Continued)										
Matrix Spike (BHE3538-MS1)	**Source: 24D3991-01**				Prepared: 5/21/2024 Analyzed: 5/23/2024					
Pentachlorophenol	3.80		1.40	ug/L	4.00	<1.40	95.1	14-176		
Phenanthrene	1.56		0.300	ug/L	2.00	<0.300	78.0	54-120		
Phenol, Total	3.09		1.50	ug/L	4.00	0.632	61.5	5-120		
Pyrene	1.57		0.300	ug/L	2.00	<0.300	78.3	52-120		
Surrogate: 2,4,6-Tribromophenol-surr			*3.22*	*ug/L*	*4.00*		*80.4*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.34*	*ug/L*	*2.00*		*67.2*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*2.63*	*ug/L*	*4.00*		*65.7*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.53*	*ug/L*	*2.00*		*76.7*	*31.2-136*		
Surrogate: Phenol-d5-surr			*2.61*	*ug/L*	*4.00*		*65.2*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.45*	*ug/L*	*2.00*		*72.5*	*37.6-117*		
Matrix Spike (BHE3538-MS2)	**Source: 24D3991-01RE2**				Prepared: 5/21/2024 Analyzed: 5/24/2024					
1,2,4,5-Tetrachlorobenzene	1.59		0.300	ug/L	2.00	<0.300	79.7	60-140		
2-Chloronaphthalene	1.79		0.400	ug/L	2.00	<0.400	89.3	60-120		
Hexachlorobutadiene	1.94		0.300	ug/L	2.00	<0.300	96.9	24-120		
Hexachlorocyclopentadiene	2.84	J1	0.750	ug/L	2.00	<0.750	142	60-140		
Hexachloroethane	1.44		0.200	ug/L	2.00	<0.200	72.2	40-120		
Hexachlorophene	4.14		1.10	ug/L	4.00	0.941	80.0	60-140		
n-Nitrosodiethylamine	2.43	J1	0.500	ug/L	2.00	1.63	39.9	60-140		
n-Nitroso-di-n-butylamine	2.19		5.70	ug/L	2.00	<5.70	110	60-140		
n-Nitrosodiphenylamine	0.674	J1	0.200	ug/L	2.00	<0.200	33.7	60-140		
Pentachlorobenzene	1.47		0.200	ug/L	2.00	<0.200	73.7	60-140		
Pyridine	<13.3	J1, U	13.3	ug/L	10.0	<13.3		60-140		
Surrogate: 2,4,6-Tribromophenol-surr			*2.91*	*ug/L*	*4.00*		*72.7*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.62*	*ug/L*	*2.00*		*81.1*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*3.87*	*ug/L*	*4.00*		*96.7*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.95*	*ug/L*	*2.00*		*97.3*	*31.2-136*		
Surrogate: Phenol-d5-surr			*3.70*	*ug/L*	*4.00*		*92.5*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.45*	*ug/L*	*2.00*		*72.5*	*37.6-117*		

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Quality Control
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Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3538 - EPA 625 LLE (Continued)										
Matrix Spike Dup (BHE3538-MSD1)	**Source: 24D3991-01**				Prepared: 5/21/2024 Analyzed: 5/23/2024					
2-Methylphenol	1.65	J1	1.10	ug/L	4.00	<1.10	41.3	60-140	34.5	40
1,2,4-Trichlorobenzene	1.27		0.300	ug/L	2.00	<0.300	63.5	44-142	39.5	50
1,2-Diphenylhydrazine	1.92		0.750	ug/L	2.00	0.338	79.2	60-140	0.298	40
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	1.31		0.400	ug/L	2.00	<0.400	65.3	60-140	7.90	40
2,4,5-Trichlorophenol	3.14		0.700	ug/L	4.00	<0.700	78.5	60-140	4.87	40
2,4,6-Trichlorophenol	3.20		1.20	ug/L	4.00	<1.20	80.1	37-144	4.79	58
2,4-Dichlorophenol	2.84		0.800	ug/L	4.00	<0.800	71.1	39-135	13.8	50
2,4-Dimethylphenol	0.538	J1	0.900	ug/L	4.00	<0.900	13.5	32-120	123	58
2,4-Dinitrophenol	8.99		8.60	ug/L	10.0	<8.60	89.9	0-191	5.83	132
2,4-Dinitrotoluene (2,4-DNT)	1.80		0.200	ug/L	2.00	<0.200	90.1	39-139	4.47	42
2,6-Dinitrotoluene (2,6-DNT)	2.24		1.80	ug/L	2.00	<1.80	112	50-158	5.90	48
2-Chlorophenol	2.26		0.500	ug/L	4.00	<0.500	56.6	23-134	24.3	61
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	2.99		1.60	ug/L	4.00	<1.60	74.7	0-181	13.8	203
2-Nitrophenol	3.20		0.700	ug/L	4.00	0.236	74.1	29-182	7.02	55
3,4-Methylphenol	3.63	J1	1.40	ug/L	8.00	<1.40	45.4	60-140	20.8	40
4-Bromophenyl phenyl ether (BDE-3)	1.45		0.300	ug/L	2.00	<0.300	72.3	53-127	8.15	43
4-Chloro-3-methylphenol	3.07		0.700	ug/L	4.00	<0.700	76.7	22-147	0.725	73
4-Chlorophenyl phenylether	1.36		0.700	ug/L	2.00	<0.700	68.1	25-158	8.76	61
4-Nitrophenol	12.5		7.20	ug/L	10.0	<7.20	125	0-132	29.5	131
Acenaphthene	1.29		0.300	ug/L	2.00	<0.300	64.5	47-145	7.17	48
Acenaphthylene	0.948		0.200	ug/L	2.00	<0.200	47.4	33-145	25.7	74
Anthracene	1.29		0.200	ug/L	2.00	<0.200	64.7	27-133	8.40	66
Benzo(a)anthracene	1.66		0.300	ug/L	2.00	<0.300	82.9	33-143	8.83	53
Benzo(a)pyrene	1.00		0.500	ug/L	2.00	<0.500	50.1	17-163	37.2	72
benzo(b&k)fluoranthene	3.22		0.400	ug/L	4.00	<0.400	80.6	60-140	12.1	40
Benzo(g,h,i)perylene	1.51		0.400	ug/L	2.00	<0.400	75.3	0-219	0.869	97
bis(2-Chloroethoxy)methane	1.50		0.400	ug/L	2.00	<0.400	75.0	33-184	2.87	54
bis(2-Chloroethyl) ether	1.16		0.600	ug/L	2.00	<0.600	58.1	12-158	10.2	108
Bis(2-ethylhexyl)phthalate	1.41		1.50	ug/L	2.00	0.586	41.2	8-158	12.3	82
Butyl benzyl phthalate	2.22		0.400	ug/L	2.00	<0.400	111	0-152	12.4	60
Chrysene	1.48		0.200	ug/L	2.00	<0.200	74.2	17-168	4.50	87
Dibenzo(a,h)anthracene	1.65		0.500	ug/L	2.00	<0.500	82.3	0-227	0.990	126
Dibenzofuran	1.41		0.400	ug/L	2.00	<0.400	70.6	60-140	7.97	40
Diethyl phthalate	1.77		0.500	ug/L	2.00	0.344	71.4	0-120	3.17	100
Dimethyl phthalate	1.60		0.300	ug/L	2.00	0.116	74.0	0-120	1.02	183
Di-n-butyl phthalate	1.52		1.60	ug/L	2.00	<1.60	75.8	1-120	32.1	47
Di-n-octyl phthalate	1.25		1.50	ug/L	2.00	<1.50	62.7	4-146	11.7	69
Fluoranthene	1.59		0.300	ug/L	2.00	<0.300	79.4	26-137	0.496	66
Fluorene	1.45		0.200	ug/L	2.00	<0.200	72.3	59-121	7.68	38
Hexachlorobenzene	1.24		0.200	ug/L	2.00	<0.200	62.2	0-152	17.2	55
Indeno(1,2,3-cd) pyrene	1.56		0.400	ug/L	2.00	<0.400	78.2	0-171	1.88	99
Isophorone	1.57		0.300	ug/L	2.00	<0.300	78.6	21-196	6.16	93
Naphthalene	1.21		0.300	ug/L	2.00	<0.300	60.5	21-133	7.77	65
Nitrobenzene	2.93		0.400	ug/L	2.00	<0.400	146	35-180	18.9	62
n-Nitrosodimethylamine	1.82	J1	3.80	ug/L	10.0	<3.80	18.2	4.18-91	56.7	40
n-Nitrosodi-n-propylamine	1.75		1.40	ug/L	2.00	<1.40	87.5	0-230	1.52	87

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3538 - EPA 625 LLE (Continued)										
Matrix Spike Dup (BHE3538-MSD1)	**Source: 24D3991-01**				Prepared: 5/21/2024 Analyzed: 5/23/2024					
Pentachlorophenol	3.42		1.40	ug/L	4.00	<1.40	85.6	14-176	10.6	86
Phenanthrene	1.56		0.300	ug/L	2.00	<0.300	78.1	54-120	0.0580	39
Phenol, Total	2.73		1.50	ug/L	4.00	0.632	52.5	5-120	12.4	64
Pyrene	1.53		0.300	ug/L	2.00	<0.300	76.6	52-120	2.15	49
Surrogate: 2,4,6-Tribromophenol-surr			*2.83*	*ug/L*	*4.00*		*70.7*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.14*	*ug/L*	*2.00*		*57.2*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*2.42*	*ug/L*	*4.00*		*60.6*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.84*	*ug/L*	*2.00*		*91.8*	*31.2-136*		
Surrogate: Phenol-d5-surr			*2.08*	*ug/L*	*4.00*		*51.9*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.67*	*ug/L*	*2.00*		*83.7*	*37.6-117*		
Matrix Spike Dup (BHE3538-MSD2)	**Source: 24D3991-01RE2**				Prepared: 5/21/2024 Analyzed: 5/24/2024					
1,2,4,5-Tetrachlorobenzene	1.18	J1	0.300	ug/L	2.00	<0.300	59.1	60-140	29.7	40
2-Chloronaphthalene	1.30	J1	0.400	ug/L	2.00	<0.400	65.0	60-120	31.5	24
Hexachlorobutadiene	1.22		0.300	ug/L	2.00	<0.300	61.0	24-120	45.4	62
Hexachlorocyclopentadiene	2.51		0.750	ug/L	2.00	<0.750	125	60-140	12.4	40
Hexachloroethane	1.03		0.200	ug/L	2.00	<0.200	51.5	40-120	33.5	52
Hexachlorophene	3.39		1.10	ug/L	4.00	0.941	61.2	60-140	19.9	40
n-Nitrosodiethylamine	1.52	J1	0.500	ug/L	2.00	1.63	NR	60-140	46.3	40
n-Nitroso-di-n-butylamine	2.09		5.70	ug/L	2.00	<5.70	104	60-140	4.80	40
n-Nitrosodiphenylamine	0.181	J1	0.200	ug/L	2.00	<0.200	9.07	60-140	115	40
Pentachlorobenzene	1.10	J1	0.200	ug/L	2.00	<0.200	55.2	60-140	28.7	40
Pyridine	<13.3	J1, U	13.3	ug/L	10.0	<13.3		60-140		40
Surrogate: 2,4,6-Tribromophenol-surr			*2.69*	*ug/L*	*4.00*		*67.4*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.25*	*ug/L*	*2.00*		*62.7*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*2.57*	*ug/L*	*4.00*		*64.3*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.95*	*ug/L*	*2.00*		*97.6*	*31.2-136*		
Surrogate: Phenol-d5-surr			*2.60*	*ug/L*	*4.00*		*64.9*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.46*	*ug/L*	*2.00*		*73.0*	*37.6-117*		

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Quality Control
(Continued)

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3274 - EPA 1657 SPE										
Blank (BHE3274-BLK1)					Prepared: 5/20/2024 Analyzed: 6/11/2024					
Chlorpyrifos	<0.0500	U	0.0500	ug/L						
Demeton	<0.200	CQ, U	0.200	ug/L						
Diazinon	<0.500	U	0.500	ug/L						
Malathion	<0.100	U	0.100	ug/L						
Parathion, ethyl	<0.100	U	0.100	ug/L						
Surrogate: Tributyl Phosphate-surr		*CQ*	*0.102*	*ug/L*	*0.200*		*50.9*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.0891*	*ug/L*	*0.200*		*44.6*	*40-120*		
Blank (BHE3274-BLK2)					Prepared: 5/20/2024 Analyzed: 6/13/2024					
Azinphos-methyl (Guthion)	<0.100	U	0.100	ug/L						
Demeton	<0.200	U	0.200	ug/L						
Surrogate: Tributyl Phosphate-surr			*0.155*	*ug/L*	*0.200*		*77.5*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.107*	*ug/L*	*0.200*		*53.7*	*40-120*		
LCS (BHE3274-BS1)					Prepared: 5/20/2024 Analyzed: 6/11/2024					
Chlorpyrifos	0.0813	J1	0.0500	ug/L	0.250		32.5	48-150		
Demeton	0.0220	J1	0.200	ug/L	0.250		8.81	16-150		
Diazinon	0.151		0.500	ug/L	0.250		60.3	50-150		
Malathion	0.115	J1	0.100	ug/L	0.250		46.0	50-150		
Parathion, ethyl	0.124	J1	0.100	ug/L	0.250		49.6	50-150		
Surrogate: Tributyl Phosphate-surr			*0.133*	*ug/L*	*0.200*		*66.6*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.103*	*ug/L*	*0.200*		*51.4*	*40-120*		
LCS (BHE3274-BS2)					Prepared: 5/20/2024 Analyzed: 6/13/2024					
Azinphos-methyl (Guthion)	0.166		0.100	ug/L	0.250		66.5	37-150		
Surrogate: Tributyl Phosphate-surr			*0.203*	*ug/L*	*0.200*		*102*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.139*	*ug/L*	*0.200*		*69.6*	*40-120*		

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Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3274 - EPA 1657 SPE (Continued)										
LCS Dup (BHE3274-BSD1)					Prepared: 5/20/2024 Analyzed: 6/11/2024					
Chlorpyrifos	<0.0500	J1, U	0.0500	ug/L	0.250			48-150	200	40
Demeton	<0.200	J1, U	0.200	ug/L	0.250			16-150	200	40
Diazinon	<0.500	J1, U	0.500	ug/L	0.250			50-150	200	40
Malathion	<0.100	J1, U	0.100	ug/L	0.250			50-150	200	40
Parathion, ethyl	<0.100	J1, U	0.100	ug/L	0.250			50-150	200	40
Surrogate: Tributyl Phosphate-surr		*S*	*0.0154*	*ug/L*	*0.200*		*7.73*	*40-120*		
Surrogate: Triphenyl Phosphate-surr		*S*	*0.0162*	*ug/L*	*0.200*		*8.12*	*40-120*		
LCS Dup (BHE3274-BSD2)					Prepared: 5/20/2024 Analyzed: 6/13/2024					
Azinphos-methyl (Guthion)	0.0408	J1	0.100	ug/L	0.250		16.3	37-150	121	40
Surrogate: Tributyl Phosphate-surr		*S*	*0.0256*	*ug/L*	*0.200*		*12.8*	*40-120*		
Surrogate: Triphenyl Phosphate-surr		*S*	*0.0205*	*ug/L*	*0.200*		*10.3*	*40-120*		
Matrix Spike (BHE3274-MS1)		**Source: 24E4180-02**			Prepared: 5/20/2024 Analyzed: 6/11/2024					
Chlorpyrifos	0.0965		0.0509	ug/L	0.254	<0.0509	38.0	25-150		
Demeton	0.0259	J1	0.203	ug/L	0.254	<0.203	10.2	25-150		
Diazinon	0.129		0.509	ug/L	0.254	<0.509	50.9	25-150		
Malathion	0.0811		0.102	ug/L	0.254	<0.102	31.9	25-150		
Parathion, ethyl	0.115		0.102	ug/L	0.254	<0.102	45.4	25-150		
Surrogate: Tributyl Phosphate-surr			*0.135*	*ug/L*	*0.203*		*66.5*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.109*	*ug/L*	*0.203*		*53.4*	*40-120*		
Matrix Spike (BHE3274-MS2)		**Source: 24E4180-02RE1**			Prepared: 5/20/2024 Analyzed: 6/13/2024					
Azinphos-methyl (Guthion)	0.0411	J1	0.102	ug/L	0.254	<0.102	16.2	25-150		
Surrogate: Tributyl Phosphate-surr			*0.156*	*ug/L*	*0.203*		*76.6*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.0840*	*ug/L*	*0.203*		*41.3*	*40-120*		
Matrix Spike Dup (BHE3274-MSD1)		**Source: 24E4180-02**			Prepared: 5/20/2024 Analyzed: 6/11/2024					
Chlorpyrifos	0.0980		0.0510	ug/L	0.255	<0.0510	38.5	25-150	1.53	40
Demeton	0.0555	J1	0.204	ug/L	0.255	<0.204	21.8	25-150	72.6	40
Diazinon	0.122		0.510	ug/L	0.255	<0.510	47.9	25-150	5.72	40
Malathion	0.0777		0.102	ug/L	0.255	<0.102	30.5	25-150	4.25	40
Parathion, ethyl	0.109		0.102	ug/L	0.255	<0.102	42.9	25-150	5.55	40
Surrogate: Tributyl Phosphate-surr			*0.138*	*ug/L*	*0.204*		*67.8*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.0893*	*ug/L*	*0.204*		*43.8*	*40-120*		

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Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3274 - EPA 1657 SPE (Continued)										
Matrix Spike Dup (BHE3274-MSD2)	**Source: 24E4180-02RE1**				Prepared: 5/20/2024 Analyzed: 6/13/2024					
Azinphos-methyl (Guthion)	0.0414	J1	0.102	ug/L	0.255	<0.102	16.2	25-150	0.585	40
Surrogate: Tributyl Phosphate-surr			*0.157*	*ug/L*	*0.204*		*76.9*	*40-120*		
Surrogate: Triphenyl Phosphate-surr		*S*	*0.0740*	*ug/L*	*0.204*		*36.3*	*40-120*		
Batch: BHE3309 - SM 6640 B										
Blank (BHE3309-BLK1)					Prepared: 5/20/2024 Analyzed: 6/8/2024					
2,4-D	<0.700	U	0.700	ug/L						
Silvex (2,4,5-TP)	<0.300	U	0.300	ug/L						
2,4,5-T	<0.236	U	0.236	ug/L						
Surrogate: DCAA-surr			*28.5*	*ug/L*	*25.0*		*114*	*70-130*		
LCS (BHE3309-BS1)					Prepared: 5/20/2024 Analyzed: 6/8/2024					
2,4-D	6.03		0.700	ug/L	5.15		117	70-130		
Silvex (2,4,5-TP)	6.30		0.300	ug/L	5.00		126	70-130		
2,4,5-T	6.33		0.236	ug/L	5.20		122	70-130		
Surrogate: DCAA-surr			*29.8*	*ug/L*	*25.0*		*119*	*70-130*		
LCS Dup (BHE3309-BSD1)					Prepared: 5/20/2024 Analyzed: 6/8/2024					
2,4-D	5.61		0.700	ug/L	5.15		109	70-130	7.20	30
Silvex (2,4,5-TP)	6.20		0.300	ug/L	5.00		124	70-130	1.50	30
2,4,5-T	6.06		0.236	ug/L	5.20		116	70-130	4.45	30
Surrogate: DCAA-surr			*26.9*	*ug/L*	*25.0*		*108*	*70-130*		
Matrix Spike (BHE3309-MS1)	**Source: 24D3991-01**				Prepared: 5/20/2024 Analyzed: 6/8/2024					
2,4-D	5.96		0.700	ug/L	5.15	<0.700	116	70-130		
Silvex (2,4,5-TP)	5.43		0.300	ug/L	5.00	<0.300	109	70-130		
2,4,5-T	5.83		0.236	ug/L	5.20	<0.236	112	70-130		
Surrogate: DCAA-surr			*26.4*	*ug/L*	*25.0*		*106*	*70-130*		

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Quality Control
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Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3309 - SM 6640 B (Continued)										
Matrix Spike Dup (BHE3309-MSD1)	**Source: 24D3991-01**				Prepared: 5/20/2024 Analyzed: 6/8/2024					
2,4-D	6.02		0.700	ug/L	5.15	<0.700	117	70-130	1.05	30
Silvex (2,4,5-TP)	6.08		0.300	ug/L	5.00	<0.300	122	70-130	11.2	30
2,4,5-T	6.06		0.236	ug/L	5.20	<0.236	117	70-130	3.87	30
Surrogate: DCAA-surr			*26.3*	*ug/L*	*25.0*		*105*	*70-130*		

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Quality Control
(Continued)

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3080 - EPA 1631										
Blank (BHE3080-BLK1)					Prepared: 5/17/2024 Analyzed: 6/19/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Blank (BHE3080-BLK2)					Prepared: 5/17/2024 Analyzed: 6/19/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Blank (BHE3080-BLK3)					Prepared: 5/17/2024 Analyzed: 6/19/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Matrix Spike (BHE3080-MS1)		**Source: 24D3993-02**			Prepared: 5/17/2024 Analyzed: 6/19/2024					
Mercury	<0.00526	J1, U	0.00526	ug/L	0.0526	<0.00526		71-125		
Matrix Spike Dup (BHE3080-MSD1)		**Source: 24D3993-02**			Prepared: 5/17/2024 Analyzed: 6/19/2024					
Mercury	<0.00526	J1, U	0.00526	ug/L	0.0526	<0.00526		71-125		24
Batch: BHE3081 - EPA 1631										
Blank (BHE3081-BLK1)					Prepared: 5/17/2024 Analyzed: 6/6/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Blank (BHE3081-BLK2)					Prepared: 5/17/2024 Analyzed: 6/6/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Blank (BHE3081-BLK3)					Prepared: 5/17/2024 Analyzed: 6/6/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Matrix Spike (BHE3081-MS1)		**Source: 24D3987-02**			Prepared: 5/17/2024 Analyzed: 6/6/2024					
Mercury	0.00299	J1	0.00526	ug/L	0.0526	<0.00526	5.68	71-125		

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Quality Control
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Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3081 - EPA 1631 (Continued)										
Matrix Spike Dup (BHE3081-MSD1)		**Source: 24D3987-02**			Prepared: 5/17/2024 Analyzed: 6/6/2024					
Mercury	0.00316	J1	0.00526	ug/L	0.0526	<0.00526	6.00	71-125	5.48	24
Batch: BHE3405 - EPA 200.8										
Blank (BHE3405-BLK1)					Prepared: 5/21/2024 Analyzed: 5/22/2024					
Aluminum	0.00152		0.00500	mg/L						
Barium	<0.00300	U	0.00300	mg/L						
Beryllium	<0.000200	U	0.000200	mg/L						
Cadmium	<0.00100	U	0.00100	mg/L						
Chromium	<0.00300	U	0.00300	mg/L						
Copper	0.000470		0.00200	mg/L						
Lead	<0.000500	U	0.000500	mg/L						
Molybdenum	<0.00100	U	0.00100	mg/L						
Nickel	<0.00200	U	0.00200	mg/L						
Selenium	<0.00500	U	0.00500	mg/L						
Silver	<0.000500	U	0.000500	mg/L						
Thallium	<0.000500	U	0.000500	mg/L						
Zinc	<0.00200	U	0.00200	mg/L						
Blank (BHE3405-BLK2)					Prepared: 5/21/2024 Analyzed: 5/23/2024					
Antimony	0.000245		0.00200	mg/L						
Blank (BHE3405-BLK3)					Prepared: 5/21/2024 Analyzed: 5/24/2024					
Arsenic	<0.000500	U	0.000500	mg/L						
LCS (BHE3405-BS1)					Prepared: 5/21/2024 Analyzed: 5/22/2024					
Aluminum	0.264		0.00500	mg/L	0.250		106	85-115		
Barium	0.313		0.00300	mg/L	0.300		104	85-115		
Beryllium	0.0210		0.000200	mg/L	0.0200		105	85-115		
Cadmium	0.104		0.00100	mg/L	0.100		104	85-115		
Chromium	0.314		0.00300	mg/L	0.300		105	85-115		
Copper	0.109		0.00200	mg/L	0.100		109	85-115		
Lead	0.0545		0.000500	mg/L	0.0500		109	85-115		
Molybdenum	0.104		0.00100	mg/L	0.100		104	85-115		
Nickel	0.109		0.00200	mg/L	0.100		109	85-115		
Selenium	0.206		0.00500	mg/L	0.200		103	85-115		
Silver	0.0517		0.000500	mg/L	0.0500		103	85-115		
Thallium	0.0542		0.000500	mg/L	0.0500		108	85-115		
Zinc	0.211		0.00200	mg/L	0.200		105	85-115		

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Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3405 - EPA 200.8 (Continued)										
LCS (BHE3405-BS2)					Prepared: 5/21/2024 Analyzed: 5/23/2024					
Antimony	0.107		0.00200	mg/L	0.100		107	85-115		
LCS (BHE3405-BS3)					Prepared: 5/21/2024 Analyzed: 5/24/2024					
Arsenic	0.0533		0.000500	mg/L	0.0500		107	85-115		
Duplicate (BHE3405-DUP1)			**Source: 24D3992-01**		Prepared: 5/21/2024 Analyzed: 5/22/2024					
Aluminum	0.0177		0.00500	mg/L		0.0172			2.88	20
Barium	0.155		0.00300	mg/L		0.158			1.94	20
Beryllium	<0.000200	U	0.000200	mg/L		<0.000200				20
Cadmium	1.40E-5		0.00100	mg/L		1.50E-5			6.90	20
Chromium	0.000467		0.00300	mg/L		0.000418			11.1	20
Copper	0.00330		0.00200	mg/L		0.00333			0.874	20
Lead	0.000150		0.000500	mg/L		0.000149			0.669	20
Molybdenum	0.00152		0.00100	mg/L		0.00137			10.5	20
Nickel	0.00243		0.00200	mg/L		0.00241			0.868	20
Selenium	0.000524		0.00500	mg/L		0.000432			19.2	20
Silver	<0.000500	U	0.000500	mg/L		<0.000500				20
Thallium	<0.000500	U	0.000500	mg/L		<0.000500				20
Zinc	0.0126		0.00200	mg/L		0.0115			9.45	20
Duplicate (BHE3405-DUP2)			**Source: 24E4346-01**		Prepared: 5/21/2024 Analyzed: 5/22/2024					
Barium	0.0163		0.00300	mg/L		0.0168			3.06	20
Beryllium	<0.000200	U	0.000200	mg/L		<0.000200				20
Cadmium	0.000869		0.00100	mg/L		0.000876			0.802	20
Chromium	0.00674		0.00300	mg/L		0.00698			3.51	20
Copper	0.190		0.00200	mg/L		0.199			4.78	20
Lead	0.0101		0.000500	mg/L		0.0105			3.89	20
Molybdenum	0.130		0.00100	mg/L		0.134			2.94	20
Nickel	0.0515		0.00200	mg/L		0.0572			10.6	20
Selenium	0.000626		0.00500	mg/L		0.000615			1.77	20
Silver	<0.000500	U	0.000500	mg/L		<0.000500				20
Thallium	0.000115		0.000500	mg/L		0.000119			3.42	20
Zinc	0.0282		0.00200	mg/L		0.0292			3.45	20

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Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3405 - EPA 200.8 (Continued)										
Duplicate (BHE3405-DUP3)		**Source: 24D3992-01**			Prepared: 5/21/2024 Analyzed: 5/23/2024					
Antimony	0.000849		0.00200	mg/L		0.000839			1.18	20
Duplicate (BHE3405-DUP4)		**Source: 24E4346-01**			Prepared: 5/21/2024 Analyzed: 5/23/2024					
Antimony	0.00169		0.00200	mg/L		0.00179			5.40	20
Duplicate (BHE3405-DUP5)		**Source: 24E4346-01**			Prepared: 5/21/2024 Analyzed: 5/23/2024					
Aluminum	24.3		0.125	mg/L		21.8			10.9	20
Duplicate (BHE3405-DUP6)		**Source: 24D3992-01**			Prepared: 5/21/2024 Analyzed: 5/24/2024					
Arsenic	0.00739	J1	0.000500	mg/L		0.00257			96.8	20
Duplicate (BHE3405-DUP7)		**Source: 24E4346-01**			Prepared: 5/21/2024 Analyzed: 5/24/2024					
Arsenic	0.000269		0.000500	mg/L		0.000246			8.93	20
Matrix Spike (BHE3405-MS1)		**Source: 24D3992-01**			Prepared: 5/21/2024 Analyzed: 5/22/2024					
Aluminum	0.274		0.00500	mg/L	0.250	0.0172	103	75-125		
Barium	0.455		0.00300	mg/L	0.300	0.158	98.8	75-125		
Beryllium	0.0198		0.000200	mg/L	0.0200	<0.000200	99.0	75-125		
Cadmium	0.104		0.00100	mg/L	0.100	1.50E-5	104	75-125		
Chromium	0.311		0.00300	mg/L	0.300	0.000418	104	75-125		
Copper	0.104		0.00200	mg/L	0.100	0.00333	100	75-125		
Lead	0.0513		0.000500	mg/L	0.0500	0.000149	102	75-125		
Molybdenum	0.108		0.00100	mg/L	0.100	0.00137	107	75-125		
Nickel	0.103		0.00200	mg/L	0.100	0.00241	100	75-125		
Selenium	0.203		0.00500	mg/L	0.200	0.000432	101	75-125		
Silver	0.0497		0.000500	mg/L	0.0500	<0.000500	99.5	75-125		
Thallium	0.0514		0.000500	mg/L	0.0500	<0.000500	103	75-125		
Zinc	0.210		0.00200	mg/L	0.200	0.0115	99.1	75-125		

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Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3405 - EPA 200.8 (Continued)										
Matrix Spike (BHE3405-MS2)		**Source: 24E4346-01**			Prepared: 5/21/2024 Analyzed: 5/22/2024					
Barium	0.357		0.00300	mg/L	0.300	0.0168	113	75-125		
Beryllium	0.0213		0.000200	mg/L	0.0200	<0.000200	107	75-125		
Cadmium	0.109		0.00100	mg/L	0.100	0.000876	108	75-125		
Chromium	0.344		0.00300	mg/L	0.300	0.00698	112	75-125		
Lead	0.0673		0.000500	mg/L	0.0500	0.0105	114	75-125		
Nickel	0.165		0.00200	mg/L	0.100	0.0572	108	75-125		
Selenium	0.285	J1	0.00500	mg/L	0.200	0.000615	142	75-125		
Silver	0.0588		0.000500	mg/L	0.0500	<0.000500	118	75-125		
Thallium	0.0565		0.000500	mg/L	0.0500	0.000119	113	75-125		
Zinc	0.245		0.00200	mg/L	0.200	0.0292	108	75-125		
Matrix Spike (BHE3405-MS3)		**Source: 24D3992-01**			Prepared: 5/21/2024 Analyzed: 5/23/2024					
Antimony	0.107		0.00200	mg/L	0.100	0.000839	106	75-125		
Matrix Spike (BHE3405-MS4)		**Source: 24E4346-01**			Prepared: 5/21/2024 Analyzed: 5/23/2024					
Antimony	0.112		0.00200	mg/L	0.100	0.00179	110	75-125		
Copper	0.309		0.0200	mg/L	0.100	0.199	109	75-125		
Molybdenum	0.223		0.0100	mg/L	0.100	0.134	89.0	75-125		
Matrix Spike (BHE3405-MS5)		**Source: 24E4346-01**			Prepared: 5/21/2024 Analyzed: 5/23/2024					
Aluminum	21.0	J1	0.125	mg/L	0.250	21.8	NR	75-125		
Matrix Spike (BHE3405-MS6)		**Source: 24D3992-01**			Prepared: 5/21/2024 Analyzed: 5/24/2024					
Arsenic	0.0612		0.000500	mg/L	0.0500	0.00257	117	75-125		
Matrix Spike (BHE3405-MS7)		**Source: 24E4346-01**			Prepared: 5/21/2024 Analyzed: 5/24/2024					
Arsenic	0.0667	J1	0.000500	mg/L	0.0500	0.000246	133	75-125		

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Quality Control
(Continued)

Metals, Dissolved

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE2887 - Cr VI										
Matrix Spike (BHE2887-MS1)		**Source: 24D3992-01**			Prepared & Analyzed: 5/17/2024					
Chromium (VI)	0.0439	J1	0.00300	mg/L	0.250	0.00551	15.4	70-130		
Matrix Spike Dup (BHE2887-MSD1)		**Source: 24D3992-01**			Prepared & Analyzed: 5/17/2024					
Chromium (VI)	0.0612	J1	0.00300	mg/L	0.250	0.00551	22.3	70-130	32.9	20

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Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3061 - EPA 300.0										
Duplicate (BHE3061-DUP1)		**Source: 24E4371-01**			Prepared & Analyzed: 5/17/2024					
Nitrate as N	0.0800		0.100	mg/L		<0.100			200	15
Fluoride	0.147		0.250	mg/L		0.158			7.21	15
MRL Check (BHE3061-MRL1)					Prepared & Analyzed: 5/17/2024					
Fluoride	0.313		0.250	mg/L	0.250		125	50-150		
Nitrate as N	0.109		0.100	mg/L	0.100		109	50-150		
Matrix Spike (BHE3061-MS1)		**Source: 24E4371-01**			Prepared & Analyzed: 5/17/2024					
Fluoride	5.23		0.278	mg/L	5.56	0.158	91.2	80-120		
Nitrate as N	2.19		0.111	mg/L	2.22	<0.111	98.6	80-120		

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Sample Condition Checklist

Work Order: 24D3987

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

Work Order: 24D3988

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

Work Order: 24D3989

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

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Work Order: 24D3990

Check Points

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

Work Order: 24D3991

Check Points

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

Work Order: 24D3992

Check Points

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

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Reported:
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Work Order: 24D3993

Check Points

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

Work Order: 24D3994

Check Points

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

Work Order: 24D3995

Check Points

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

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Work Order: 24D3996

Check Points

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

Work Order: 24D3997

Check Points

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

Work Order: 24D3998

Check Points

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

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Term and Qualifier Definitions

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

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CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
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TCEQ TX-C24-00086

24D3987

City of Victoria Curtis Davis 702 Main Street Victoria, TX 77901 Phone: (361) 482-3263	**Project Name** : Regional WWTP - Table 2&3 - Outfall 001- Grab 1 **Project Comments**: PICK UP-DROP OFF AT REGIONAL PLANT - 923 US Hwy 59 S - Victoria 77901 Josh Marquez - 619-665-8089 - Curtis Davis - 361-212-0579	**Schedule Comments**

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24D3987-01	18 Mohm DI - Outfall 00		5-14-24 1500	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24D3987-02	Outfall 001		5-14-24 0900	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24D3987-03	Outfall 001 4 Part Grab		5-14-24 0900	AQ Grab 4-Part Cor	A HDPE 250mL NaOH B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL HCl pH<2 E Glass VOA 40mL F Glass VOA 40mL G Glass VOA 40mL	Composite VOA Composite Cyanide	4°C NaOH 4°C	Flow MGD Field 5.6

Field Remarks:

Preservation: (Circle and Write ID) H2SO4 HNO3 NaOH 2406775 Other:

Sampler (Signature)	Relinquished By: (Signature)	Date/Time 5-14-24 0940	Received By: (Signature)	Date/Time 1550 05/16/24
Print Name: Joshua Marquez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 1715 05/16/24	Received for Laboratory By: (Signature) VMC	Date/Time 1715 5.16.24

Custody Seal: Yes / No
Container Intact: Yes / No
COC Labels Agree: Yes / No
Appropriate Containers: Yes / No
Appropriate Volume: Yes / No
Coolers Intact: Yes / No
Received on Ice: Yes / No
Samples Accepted: Yes / No
Temperature: °C
Thermometer ID:

PM Kits

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24D3988

City of Victoria
Curtis Davis
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Phone: (361) 482-3263

Project Name : Regional WWTP - Table 2&3 - Outfall 001- Grab 2

Schedule Comments

Project Comments: PICK UP-DROP OFF AT REGIONAL PLANT - 923 US Hwy 59 S - Victoria 77901
Josh Marquez - 619-665-8089 - Curtis Davis - 361-212-0579

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24D3988-01	18 Mohm DI - Outfall 00		5-14-24 1600	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24D3988-02	Outfall 001		5-14-24 1600	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24D3988-03	Outfall 001 4 Part Grab		5-14-24 1600	AQ Grab 4-Part Cor	A HDPE 250mL NaOH B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL HCl pH<2 E Glass VOA 40mL F Glass VOA 40mL G Glass VOA 40mL	Composite VOA Composite Cyanide	4°C NaOH 4°C	Flow MGD Field 4.6

Field Remarks:

Preservation: (Circle and Write ID) H2SO4 HNO3 NaOH 2406775 Other:

Sampler (Signature)	Relinquished By: (Signature)	Date/Time 5-14-24 1605	Received By: (Signature)
Print Name JOSHUA MILLER	Relinquished By: (Signature)	Date/Time	Received By: (Signature)
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 1715 051624	Received for Laboratory By: (Signature)

Date/Time 1130 051624	Date/Time	Date/Time 1715 5.16.24	Custody Seal:	Yes / No	COC Labels Agree:	Yes / No	Appropriate Volume:	Yes / No	Received on Ice: Yes / No
			Container Intact:	Yes / No	Appropriate Containers:	Yes / No	Coolers Intact:	Yes / No	Samples Accepted: Yes / No

Temperature: °C
Thermometer ID:

PM Kits

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00086

24D3989

City of Victoria Curtis Davis 702 Main Street Victoria, TX 77901 Phone: (361) 482-3263	**Project Name** : Regional WWTP - Table 2&3 - Outfall 001- Grab 3 **Project Comments**: PICK UP-DROP OFF AT REGIONAL PLANT - 923 US Hwy 59 S - Victoria 77901 Josh Marquez - 619-665-8089 - Curtis Davis - 361-212-0579	**Schedule Comments:**

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24D3989-01	18 Mohm DI - Outfall 00		5-14-24/2100	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24D3989-02	Outfall 001		5-14-24/2100	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24D3989-03	Outfall 001 4 Part Grab		5-14-24/2100	AQ Grab 4-Part Cor	A HDPE 250mL NaOH B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL HCl pH<2 E Glass VOA 40mL F Glass VOA 40mL G Glass VOA 40mL	Composite VOA Composite Cyanide	4°C NaOH 4°C	Flow MGD Field 4.6

Field Remarks:		**Preservation: (Circle and Write ID)** H2SO4 HNO3 (NaOH) 2406775		Other:
Sampler (Signature)	Relinquished By: (Signature)	Date/Time 5-14-24 2104	Received By: (Signature)	Date/Time 1130 05/16/24
Print Name Cody Kalk	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 1715 051624	Received for Laboratory By: (Signature)	Date/Time 1715 5-16-24

Custody Seal: Yes / No — COC Labels Agree: Yes / No — Appropriate Volume: Yes / No — Received on Ice: Yes / No — Temperature: °C

Container Intact: Yes / No — Appropriate Containers: Yes / No — Coolers Intact: Yes / No — Samples Accepted: Yes / No — Thermometer ID:

PM Kits

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00086

24D3990

City of Victoria Curtis Davis 702 Main Street Victoria, TX 77901 Phone: (361) 482-3263	**Project Name** : Regional WWTP - Table 2&3 - Outfall 001 -Grab 4 **Project Comments**: PICK UP-DROP OFF AT REGIONAL PLANT - 923 US Hwy 59 S - Victoria 77901 Josh Marquez - 619-665-8089 - Curtis Davis - 361-212-0579	**Schedule Comments**

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24D3990-01	18 Mohm DI - Outfall 00		5-15-24/0300	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24D3990-02	Outfall 001		5-15-24/0300	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24D3990-03	Outfall 001 4 Part Grab		5-15-24/0300	AQ Grab 4-Part Cor	A HDPE 250mL NaOH B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL HCl pH<2 E Glass VOA 40mL F Glass VOA 40mL G Glass VOA 40mL	Composite VOA Composite Cyanide	4°C NaOH 4°C	Flow MGD Field 4.6
24D3990-04	Outfall 001 4 Part Grab			AQ Composite	FOR LAB USE	VOA-624 CN T-4500	4°C NaOH 4°C	

Field Remarks:

Preservation: (Circle and Write ID) H2SO4 HNO3 NaOH 2406775 Other:

Sampler (Signature)	Relinquished By: (Signature)	Date/Time 5/15/24/0307	Received By: (Signature)	Date/Time 1120 051624
Print Name Cody Kille	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 1715 051624	Received for Laboratory By: (Signature)	Date/Time 1719 5.16.24

Custody Seal: Yes / No
Container Intact: Yes / No
COC Labels Agree: Yes / No
Appropriate Containers: Yes / No
Appropriate Volume: Yes / No
Coolers Intact: Yes / No
Received on Ice: Yes / No
Samples Accepted: Yes / No
Temperature: °C
Thermometer ID:

PM Kits

Flow-Weighted Sampling
Composite Sample Volume Proportions

Analyst	AMA
Date	5/24/2024
Time	21:30
Composite Sample ID	24D3990-04 CN
Composite Sample ID	

Sample ID used to report sample results.

Regional WWTP - Table 2& 3 - Outfall CN	Flow[1]
Collection Point 1 - 24D3987-03	5.6
Collection Point 2 - 24D3988-03	4.6
Collection Point 3 - 24D3989-03	4.6
Collection Point 4 - 24D3990-03	4.6
Collection Point 5 -	
Collection Point 6 -	
Collection Point 7 -	
Collection Point 8 -	
Collection Point 9 -	
Collection Point 10 -	

Max Flow	5.6
Volume of Max Flow Sample[2] (mL)	87

	Volume[2] (mL)
Collection Point 1 - 24D3987-03	87
Collection Point 2 - 24D3988-03	71
Collection Point 3 - 24D3989-03	71
Collection Point 4 - 24D3990-03	71
Collection Point 5 -	0
Collection Point 6 -	0
Collection Point 7 -	0
Collection Point 8 -	0
Collection Point 9 -	0
Collection Point 10 -	0
Total[3]	301

Amount of each sample to be used to make composite sample.

Reviewed by: AMA Date: 5.24.24

[1] Sample units are arbitrary as they cancel during calculation.

[2] Amount (volume) of sample added to the composite.

[3] Total amount (volume) of composite sample.

*All completed forms must be filed with sample COC.
*All completed forms must be reviewed by and signed by management for verification of accuracy.

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00086

24D3991

City of Victoria
Curtis Davis
702 Main Street
Victoria, TX 77901
Phone: (361) 482-3263

Project Name : Regional WWTP - Table II - Outfall Sampler

Project Comments: PICK UP-DROP OFF AT REGIONAL PLANT - 923 US Hwy 59 S - Victoria 77901
Josh Marquez - 619-665-8089 - Curtis Davis - 361-212-0579

Schedule Comments

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24D3991-01	Outfall 001 Sampler	5-14-24 0900	5-15-24 0700	AQ 24HR Comp	A HDPE 250mL B Glass VOA 60mL C Glass VOA 60mL D Glass VOA 60mL E Amber Glass 250mL w/ Teflon-lined Lid F Amber Glass 250mL w/ Teflon-lined Lid G Amber Glass 250mL w/ Teflon-lined Lid H Amber Glass 250mL w/ Teflon-lined Lid I Amber Glass 1L w/ Teflon-lined Lid J Amber Glass 1L w/ Teflon-lined Lid K Amber Glass 1L w/ Teflon-lined Lid L Amber Glass 1L w/ Teflon-lined Lid M Amber Glass 250mL w/ Teflon-lined Lid N Amber Glass 250mL w/ Teflon-lined Lid O Amber Glass 1L w/ Teflon-lined Lid P Amber Glass 1L w/ Teflon-lined Lid Q Amber Glass 250mL w/ Teflon-lined Lid R Amber Glass 250mL w/ Teflon-lined Lid	HERB-6640 4°C Nonylphenol-D7065 4°C OCP-608 4°C OPP-1657 4°C PCB-608 4°C SVOA-625 4°C Sub_CBURP-632 4°C Fluoride IC 300.0 4°C Nitrate as N IC 300.0 4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
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24D3991

(Continued)

City of Victoria Curtis Davis 702 Main Street Victoria, TX 77901 Phone: (361) 482-3263	**Project Name** : Regional WWTP - Table II - Outfall Sampler **Project Comments**: PICK UP-DROP OFF AT REGIONAL PLANT - 923 US Hwy 59 S - Victoria 77901 Josh Marquez - 619-665-8089 - Curtis Davis - 361-212-0579	**Schedule Comments**

Field Remarks:

Preservation: (Circle and Write ID) H2SO4 HNO3 NaOH Other:

Sampler (Signature)	Relinquished By: (Signature)	Date/Time 5-15-24	Received By: (Signature)	Date/Time 1130 051624
Print Name Joshua Marquez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation COV	Relinquished To Lab By: (Signature)	Date/Time 1715 051624	Received for Laboratory By: (Signature)	Date/Time 1715 5.16.24

Custody Seal: Yes / No COC Labels Agree: Yes / No Appropriate Volume: Yes / No Received on Ice: Yes / No Temperature: °C

Container Intact: Yes / No Appropriate Containers: Yes / No Coolers Intact: Yes / No Samples Accepted: Yes / No Thermometer ID:

PM Kits

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00086

24D3992

City of Victoria Curtis Davis 702 Main Street Victoria, TX 77901 Phone: (361) 482-3263	**Project Name** : Regional WWTP - Table III - Outfall Sampler **Project Comments**: PICK UP-DROP OFF AT REGIONAL PLANT - 923 US Hwy 59 S - Victoria 77901 Josh Marquez - 619-665-8089 - Curtis Davis - 361-212-0579	**Schedule Comments**

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24D3992-01	Outfall 001 Sampler	5-14-24 0900	5-15-24 0715	AQ 24HR Comp	A PreCleaned HDPE 250mL HNO3 B HDPE 250 Cr6+Buf after filtration	Aluminum ICPMS 200.8 HNO3 Antimony ICPMS 200.8 HNO3 Arsenic ICPMS 200.8 HNO3 Barium ICPMS 200.8 HNO3 Beryllium ICPMS 200.8 HNO3 Cadmium ICPMS 200.8 HNO3 Chromium ICPMS 200.8 HNO3 Copper ICPMS 200.8 HNO3 Lead ICPMS 200.8 HNO3 Molybdenum ICPMS 20(HNO3 Nickel ICPMS 200.8 HNO3 Selenium ICPMS 200.8 HNO3 Silver ICPMS 200.8 HNO3 Thallium ICPMS 200.8 HNO3 Zinc ICPMS 200.8 HNO3 Cr III ICPMS [Group Analysis] Cr VI-D 3500 Cr6+Buf 4°C	

Field Remarks:

Preservation: (Circle and Write ID) H2SO4 HNO3 NaOH Other: 85224105

Sampler (Signature)	Relinquished By: (Signature)	Date/Time 5-15-24 0718	Received By: (Signature)	Date/Time 1130 051624
Print Name JOSHUA MALCUIT	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 1715 051624	Received for Laboratory By: (Signature) VMC	Date/Time 5-16-24 1715

Custody Seal: Yes / No — COC Labels Agree: Yes / No — Appropriate Volume: Yes / No — Received on Ice: Yes / No — Temperature: °C

Container Intact: Yes / No — Appropriate Containers: Yes / No — Coolers Intact: Yes / No — Samples Accepted: Yes / No — Thermometer ID:

PM Kits

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00086

24D3993

City of Victoria Curtis Davis 702 Main Street Victoria, TX 77901 Phone: (361) 482-3263	**Project Name** : Regional WWTP - Table 2&3 - Raw - Grab 1 **Project Comments**: PICK UP-DROP OFF AT REGIONAL PLANT - 923 US Hwy 59 S - Victoria 77901 Josh Marquez - 619-665-8089 - Curtis Davis - 361-212-0579	**Schedule Comments**

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24D3993-01	18 Mohm DI - Raw		5-13-24 1200	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24D3993-02	Raw		5-13-24 1300	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24D3993-03	Raw 4 Part Grab		5-13-24 1700	AQ Grab 4-Part Cor	A HDPE 250mL NaOH B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL HCl pH<2 E Glass VOA 40mL F Glass VOA 40mL G Glass VOA 40mL	Composite VOA Composite Cyanide	4°C NaOH 4°C	Flow MGD Field 4.7

Field Remarks:

Preservation: (Circle and Write ID) H2SO4 HNO3 (NaOH) 2406775 Other:

Sampler (Signature)	Relinquished By: (Signature)	Date/Time 5-13-24 1700	Received By: (Signature)	Date/Time 1130 05/16/24
Print Name: Joshua McQueen	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: COV	Relinquished To Lab By: (Signature)	Date/Time 1715 05/14/24	Received for Laboratory By: (Signature)	Date/Time 5.16.24 1715

Custody Seal : Yes / No
Container Intact : Yes / No
COC Labels Agree: Yes / No
Appropriate Containers: Yes / No
Appropriate Volume: Yes / No
Coolers Intact: Yes / No
Received on Ice: Yes / No
Samples Accepted: Yes / No
Temperature: °C
Thermometer ID:

PM Kits

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00086

24D3994

City of Victoria Curtis Davis 702 Main Street Victoria, TX 77901 Phone: (361) 482-3263	**Project Name** : Regional WWTP - Table 2&3 - Raw - Grab 2 **Project Comments**: PICK UP-DROP OFF AT REGIONAL PLANT - 923 US Hwy 59 S - Victoria 77901 Josh Marquez - 619-665-8089 - Curtis Davis - 361-212-0579	Schedule Comments

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24D3994-01	18 Mohm DI - Raw		5-13-24 2300	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24D3994-02	Raw		5-13-24 2300	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24D3994-03	Raw 4 Part Grab		5-13-24 2300	AQ Grab 4-Part Cor	A HDPE 250mL NaOH B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL HCl pH<2 E Glass VOA 40mL F Glass VOA 40mL G Glass VOA 40mL	Composite VOA Composite Cyanide	4°C NaOH 4°C	Flow MGD Field 5.3

Field Remarks:

Preservation: (Circle and Write ID) H2SO4 HNO3 (NaOH) 2406775 Other:

Sampler (Signature)	Relinquished By: (Signature)	Date/Time 5-13-24 2306	Received By: (Signature)	Date/Time 1730 051624
Print Name: Cody Valle	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 1715 051624	Received for Laboratory By: (Signature)	Date/Time 1715 5.16.24

Custody Seal: Yes / No
Container Intact: Yes / No
COC Labels Agree: Yes / No
Appropriate Containers: Yes / No
Appropriate Volume: Yes / No
Coolers Intact: Yes / No
Received on Ice: Yes / No
Samples Accepted: Yes / No
Temperature: °C
Thermometer ID:

PM Kits

CHAIN OF CUSTODY RECORD

NWDLS
North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00086

24D3995

City of Victoria
Curtis Davis
702 Main Street
Victoria, TX 77901
Phone: (361) 482-3263

Project Name : Regional WWTP - Table 2&3 - Raw - Grab 3

Project Comments: PICK UP-DROP OFF AT REGIONAL PLANT - 923 US Hwy 59 S - Victoria 77901
Josh Marquez - 619-665-8089 - Curtis Davis - 361-212-0579

Schedule Comments:

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24D3995-01	18 Mohm DI - Raw		5-14-24 0700	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24D3995-02	Raw		5-14-24 0700	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24D3995-03	Raw 4 Part Grab		5-14-24 0700	AQ Grab 4-Part Cor	A HDPE 250mL NaOH B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL HCl pH<2 E Glass VOA 40mL F Glass VOA 40mL G Glass VOA 40mL	Composite VOA Composite Cyanide	4°C NaOH 4°C	Flow MGD Field 5.3

Field Remarks:

Preservation: (Circle and Write ID) H2SO4 HNO3 (NaOH) 240675 Other:

Sampler (Signature)	Relinquished By: (Signature)	Date/Time 5-14-24 0714	Received By: (Signature)	Date/Time 1120 05/16/24
Print Name Jenna Millard	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation COV	Relinquished To Lab By: (Signature)	Date/Time 1715 05/16/24	Received for Laboratory By: (Signature) KMC	Date/Time 1715 5-16-24

Custody Seal: Yes / No
Container Intact: Yes / No
COC Labels Agree: Yes / No
Appropriate Containers: Yes / No
Appropriate Volume: Yes / No
Coolers Intact: Yes / No
Received on Ice: Yes / No
Samples Accepted: Yes / No
Temperature: °C
Thermometer ID:

PM Kits

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
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TCEQ TX-C24-00086

24D3996

City of Victoria
Curtis Davis
702 Main Street
Victoria, TX 77901
Phone: (361) 482-3263

Project Name : Regional WWTP - Table 2&3 - Raw - Grab 4

Schedule Comments:

Project Comments: PICK UP-DROP OFF AT REGIONAL PLANT - 923 US Hwy 59 S - Victoria 77901
Josh Marquez - 619-665-8089 - Curtis Davis - 361-212-0579

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24D3996-01	18 Mohm DI - Raw		5-14-24 1500	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24D3996-02	Raw		5-14-24 1500	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24D3996-03	Raw 4 Part Grab		5-14-24 1500	AQ Grab 4-Part Cor	A HDPE 250mL NaOH B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL HCl pH<2 E Glass VOA 40mL F Glass VOA 40mL G Glass VOA 40mL	Composite VOA Composite Cyanide	4°C NaOH 4°C	Flow MGD Field 4.8
24D3996-04	Raw 4 Part Grab Compo			AQ Composite	FOR LRA USE	VOA-624 CN T-4500	4°C NaOH 4°C	

Field Remarks:

Preservation: (Circle and Write ID) H2SO4 HNO3 (NaOH) 240675 Other:

Sampler (Signature)	Relinquished By: (Signature)	Date/Time 5-14-24 1514	Received By: (Signature)	Date/Time 1730 05/16/24
Print Name: Joshua Muldoon	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: COV	Relinquished To Lab By: (Signature)	Date/Time 1715 05/16/24	Received for Laboratory By: (Signature)	Date/Time 1715 5-16-24

Custody Seal: Yes / No
Container Intact: Yes / No
COC Labels Agree: Yes / No
Appropriate Containers: Yes / No
Appropriate Volume: Yes / No
Coolers Intact: Yes / No
Received on Ice: Yes / No
Samples Accepted: Yes / No
Temperature: °C
Thermometer ID:

PM Kits

Flow-Weighted Sampling
Composite Sample Volume Proportions

Analyst	AMA
Date	5/24/2024
Time	21:30
Composite Sample ID	24D3996-04 CN
Composite Sample ID	

Sample ID used to report sample results.

Regional WWTP - Table 2& 3 - RAW CN	Flow[1]
Collection Point 1 - 24D3993-03	4.7
Collection Point 2 - 24D3994-03	5.3
Collection Point 3 - 24D3995-03	5.9
Collection Point 4 - 24D3996-03	4.8
Collection Point 5 -	
Collection Point 6 -	
Collection Point 7 -	
Collection Point 8 -	
Collection Point 9 -	
Collection Point 10 -	

Max Flow	5.9
Volume of Max Flow Sample[2] (mL)	86

	Volume[2] (mL)
Collection Point 1 - 24D3993-03	69
Collection Point 2 - 24D3994-03	77
Collection Point 3 - 24D3995-03	86
Collection Point 4 - 24D3996-03	70
Collection Point 5 -	0
Collection Point 6 -	0
Collection Point 7 -	0
Collection Point 8 -	0
Collection Point 9 -	0
Collection Point 10 -	0
Total[3]	302

Amount of each sample to be used to make composite sample.

Reviewed by: AMA Date: 05.24.24

[1] Sample units are arbitrary as they cancel during calculation.

[2] Amount (volume) of sample added to the composite.

[3] Total amount (volume) of composite sample.

*All completed forms must be filed with sample COC.
*All completed forms must be reviewed by and signed by management for verification of accuracy.

24D3996

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
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TCEQ TX-C24-00086

24D3997

City of Victoria
Curtis Davis
702 Main Street
Victoria, TX 77901
Phone: (361) 482-3263

Project Name : Regional WWTP - Table II - Raw Sampler

Schedule Comments:

Project Comments: PICK UP-DROP OFF AT REGIONAL PLANT - 923 US Hwy 59 S - Victoria 77901
Josh Marquez - 619-665-8089 - Curtis Davis - 361-212-0579

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24D3997-01	Raw Sampler	5-13-24 1700	5-14-24 1500	AQ 24HR Comp	A HDPE 250mL B Glass VOA 60mL C Glass VOA 60mL D Glass VOA 60mL E Amber Glass 250mL w/ Teflon-lined Lid F Amber Glass 250mL w/ Teflon-lined Lid G Amber Glass 250mL w/ Teflon-lined Lid H Amber Glass 250mL w/ Teflon-lined Lid I Amber Glass 1L w/ Teflon-lined Lid J Amber Glass 1L w/ Teflon-lined Lid K Amber Glass 1L w/ Teflon-lined Lid L Amber Glass 1L w/ Teflon-lined Lid M Amber Glass 250mL w/ Teflon-lined Lid N Amber Glass 250mL w/ Teflon-lined Lid O Amber Glass 1L w/ Teflon-lined Lid P Amber Glass 1L w/ Teflon-lined Lid Q Amber Glass 250mL w/ Teflon-lined Lid R Amber Glass 250mL w/ Teflon-lined Lid	HERB-6640 4°C Nonylphenol-D7065 4°C OCP-608 4°C OPP-1657 4°C PCB-608 4°C SVOA-625 4°C Sub_CBURP-632 4°C Fluoride IC 300.0 4°C Nitrate as N IC 300.0 4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00086

24D3997

(Continued)

City of Victoria Curtis Davis 702 Main Street Victoria, TX 77901 Phone: (361) 482-3263	**Project Name** : Regional WWTP - Table II - Raw Sampler **Project Comments**: PICK UP-DROP OFF AT REGIONAL PLANT - 923 US Hwy 59 S - Victoria 77901 Josh Marquez - 619-665-8089 - Curtis Davis - 361-212-0579	**Schedule Comments:**

Field Remarks:		**Preservation: (Circle and Write ID)** H2SO4 HNO3 NaOH Other:		
Sampler (Signature):	Relinquished By: (Signature)	Date/Time 5.14.24 1545	Received By: (Signature)	Date/Time 05/16/24
Print Name: JOSHUA MARQUEZ	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 1715 05/16/24	Received for Laboratory By: (Signature)	Date/Time 1715 5.16.24

Custody Seal: Yes / No	COC Labels Agree: Yes / No	Appropriate Volume: Yes / No	Received on Ice: Yes / No	Temperature: °C
Container Intact: Yes / No	Appropriate Containers: Yes / No	Coolers Intact: Yes / No	Samples Accepted: Yes / No	Thermometer ID:

PM Kits

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
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TCEQ TX-C24-00086

24D3998

0800

City of Victoria
Curtis Davis
702 Main Street
Victoria, TX 77901
Phone: (361) 482-3263

Project Name : Regional WWTP - Table III - Raw Sampler

Schedule Comments:

Project Comments: PICK UP-DROP OFF AT REGIONAL PLANT - 923 US Hwy 59 S - Victoria 77901
Josh Marquez - 619-665-8089 - Curtis Davis - 361-212-0579

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24D3998-01	Raw Sampler	5-13-24 / 1700	5-14-24 / 1500	AQ 24HR Comp	A PreCleaned HDPE 250mL HNO3 B HDPE 250 Cr6+Buf after filtration	Aluminum ICPMS 200.8 HNO3 Antimony ICPMS 200.8 HNO3 Arsenic ICPMS 200.8 HNO3 Barium ICPMS 200.8 HNO3 Beryllium ICPMS 200.8 HNO3 Cadmium ICPMS 200.8 HNO3 Chromium ICPMS 200.8 HNO3 Copper ICPMS 200.8 HNO3 Lead ICPMS 200.8 HNO3 Molybdenum ICPMS 20(HNO3 Nickel ICPMS 200.8 HNO3 Selenium ICPMS 200.8 HNO3 Silver ICPMS 200.8 HNO3 Thallium ICPMS 200.8 HNO3 Zinc ICPMS 200.8 HNO3 Cr III ICPMS [Group Analysis] Cr VI-D 3500 Cr6+Buf 4°C	

Field Remarks:

Preservation: (Circle and Write ID) H2SO4 HNO3 NaOH Other: 232405

Sampler (Signature)	Relinquished By: (Signature)	Date/Time 5-14-24 / 1560	Received By: (Signature)	Date/Time 1130 05/16/24
Print Name: Joshua Marquez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 1715 05/16/24	Received for Laboratory By: (Signature) KMC	Date/Time 1715 5.16.24

Custody Seal : Yes / No
Container Intact : Yes / No
COC Labels Agree: Yes / No
Appropriate Containers: Yes / No
Appropriate Volume: Yes / No
Coolers Intact: Yes / No
Received on Ice: Yes / No
Samples Accepted: Yes / No
Temperature: °C
Thermometer ID:

PM Kits

Laboratory Analysis Report

Total Number of Pages: 6

Job ID : 24052934

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

Client Project Name :
24D3990

Report To :	Client Name:	NWDLS	P.O.#.: 24D3990
	Attn:	Deena Higginbotham	Sample Collected By:
	Client Address:	130 S Trade Center Pkwy	Date Collected: 05/15/24
	City, State, Zip:	Conroe, Texas, 77385	

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

Client Sample ID	Matrix	A&B Sample ID
24D3990-04	Waste Water	24052934.01

Released By: Senthilkumar Sevukan
Title: Vice President Operations
Date: 5/30/2024

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

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

ab-q210-0321

Date Received : 05/28/2024 08:15

Report Number: RPT240530162

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 24052934

Date: 5/30/2024

General Term Definition

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

Qualifier Definition

LABORATORY TEST RESULTS

Job ID : 24052934

Date 5/30/2024

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name: 24D3990

Client Sample ID: 24D3990-04
Date Collected: 05/15/24
Time Collected: 03:00
Other Information:

Job Sample ID: 24052934.01
Sample Matrix Waste Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
SM 4500CNC/E	Cyanide, Total Ultra Low									
	Cyanide	0.00445	mg/L	1	0.00069	0.00200			05/28/24 11:51	SKC

ab-q212-0321

QUALITY CONTROL CERTIFICATE

Job ID : 24052934 **Date :** 5/30/2024

Analysis : Cyanide, Total Ultra Low **Method : SM 4500CNC/E** **Reporting Units : mg/L**

QC Batch ID : Qb24052891 **Created Date :** 05/28/24 **Created By :** Srijan

Samples in This QC Batch : 24052934.01

Sample Preparation : PB24052838 **Prep Method :** SM 4500CNC/E **Prep Date :** 05/28/24 10:15 **Prep By :** Srijan

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Cyanide	57-12-5	< MDL	mg/L	1	0.002	0.00069		

QC Type: Duplicate

QC Sample ID: 24052932.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Cyanide	0.00285	0.0030	mg/L	5.1	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Cyanide	0.02	0.019	95	0.02	0.019	95	0	20	90-110	

QC Type: MS and MSD

QC Sample ID: 24052932.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Cyanide	0.0030	0.02	0.0205	87.5						80-120	

Sample Condition Checklist

A&B JobID : **24052934**	Date Received : **05/28/2024**	Time Received : **8:15AM**
Client Name : **NWDLS**		
Temperature : **2.1°C**	Sample pH : **>12 CN**	
Thermometer ID : **IR7**	pH Paper ID : **115063**	
Perservative :	Lot# :	

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

Comments : Include actions taken to resolve discrepancies/problem:

CN: NaOH+NaAsO2. ~ANS 05/28/24

Brought by : Client

Received by : ASmith

Check in by/date : ASmith / 05/28/2024

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 8

Job ID : 24052421

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

Client Project Name :
24D3991

Report To :	Client Name:	NWDLS	P.O.#.: 24D3991
	Attn:	Deena Higginbotham	Sample Collected By:
	Client Address:	130 S Trade Center Pkwy	Date Collected: 05/15/24
	City, State, Zip:	Conroe, Texas, 77385	

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

Client Sample ID	Matrix	A&B Sample ID
24D3991-01	Waste Water	24052421.01

Released By: Senthilkumar Sevukan
Title: Vice President Operations
Date: 05/30/2024

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

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

ab-q210-0321

Date Received : 05/22/2024 07:20

Report Number: RPT240530064

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 24052421

Date: 5/30/2024

General Term Definition

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

Qualifier Definition

H3	Sample was received and analyzed past holding time.
M1	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits due to matrix interference. "The sample randomly selected as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
S6	Surrogate recovery is outside control limits due to matrix effects.
U	Undetected at SDL (Sample Detection Limit).
V12	Closing CCV recovery is outside of acceptance limits.

LABORATORY TEST RESULTS

Job ID : 24052421

Date 5/30/2024

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name: 24D3991

Client Sample ID: 24D3991-01
Date Collected: 05/15/24
Time Collected: 07:00
Other Information:

Job Sample ID: 24052421.01
Sample Matrix Waste Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 608.3	Polychlorinated Biphenyls									
	Aroclor 1016	<0.03	ug/L	1.00	0.03	0.0500		U	05/24/24 19:43	MQ
	Aroclor 1221	<0.03	ug/L	1.00	0.03	0.0500		U	05/24/24 19:43	MQ
	Aroclor 1232	<0.03	ug/L	1.00	0.03	0.0500		U	05/24/24 19:43	MQ
	Aroclor 1242	<0.03	ug/L	1.00	0.03	0.0500		U	05/24/24 19:43	MQ
	Aroclor 1248	<0.03	ug/L	1.00	0.03	0.0500		U	05/24/24 19:43	MQ
	Aroclor 1254	<0.03	ug/L	1.00	0.03	0.0500		U	05/24/24 19:43	MQ
	Aroclor 1260	<0.03	ug/L	1.00	0.03	0.0500		U	05/24/24 19:43	MQ
	Total PCBs	<0.03	ug/L	1.00	0.03	0.0500		U	05/24/24 19:43	MQ
	Decachlorobiphenyl(surr)	48.5	%	1.00		35-129			05/24/24 19:43	MQ
	Tetrachloro-m-xylene(surr)	85	%	1.00		27-127			05/24/24 19:43	MQ
EPA 608.3	Organochlorine Pesticides									
	Dicofol[2]	<0.050	ug/L	1.00	0.050	0.050		H3,U	05/30/24 00:44	MQ
	4,4-DDD	<0.002	ug/L	1.00	0.002	0.010		U	05/30/24 00:44	MQ
	4,4-DDE	<0.009	ug/L	1.00	0.009	0.010		U	05/30/24 00:44	MQ
	4,4-DDT	<0.004	ug/L	1.00	0.004	0.010		U	05/30/24 00:44	MQ
	a-BHC	<0.003	ug/L	1.00	0.003	0.010		U	05/30/24 00:44	MQ
	Aldrin	<0.004	ug/L	1.00	0.004	0.010		U	05/30/24 00:44	MQ
	b-BHC	<0.004	ug/L	1.00	0.004	0.010		U	05/30/24 00:44	MQ
	Chlordane	<0.100	ug/L	1.00	0.100	0.100		U	05/30/24 00:44	MQ
	d-BHC	<0.006	ug/L	1.00	0.006	0.010		V12,U	05/30/24 00:44	MQ
	Dieldrin	<0.005	ug/L	1.00	0.005	0.010		U	05/30/24 00:44	MQ
	Endosulfan I	<0.007	ug/L	1.00	0.007	0.010		U	05/30/24 00:44	MQ
	Endosulfan II	<0.004	ug/L	1.00	0.004	0.010		U	05/30/24 00:44	MQ
	Endosulfan sulfate	<0.005	ug/L	1.00	0.005	0.010		V12,U	05/30/24 00:44	MQ
	Endrin	<0.004	ug/L	1.00	0.004	0.010		U	05/30/24 00:44	MQ
	Endrin aldehyde	<0.003	ug/L	1.00	0.003	0.010		U	05/30/24 00:44	MQ
	Endrin ketone	<0.004	ug/L	1.00	0.004	0.010		U	05/30/24 00:44	MQ
	g-BHC	<0.004	ug/L	1.00	0.004	0.010		U	05/30/24 00:44	MQ
	Heptachlor	<0.004	ug/L	1.00	0.004	0.010		U	05/30/24 00:44	MQ
	Heptachlor epoxide	<0.004	ug/L	1.00	0.004	0.010		U	05/30/24 00:44	MQ
	Methoxychlor	<0.003	ug/L	1.00	0.003	0.010		V12,U	05/30/24 00:44	MQ
	Mirex[2]	<0.010	ug/L	1.00	0.010	0.010		U	05/30/24 00:44	MQ
	Toxaphene	<0.100	ug/L	1.00	0.100	0.100		U	05/30/24 00:44	MQ
	Decachlorobiphenyl(surr)	42.3	%	1.00		34-120			05/30/24 00:44	MQ
	Tetrachloro-m-xylene(surr)	78.8	%	1.00		24-127			05/30/24 00:44	MQ

ab-q212-0321

[2]-Parameter not available for accreditation.

QUALITY CONTROL CERTIFICATE

Job ID : 24052421 **Date :** 5/30/2024

Analysis : Polychlorinated Biphenyls **Method : EPA 608.3** **Reporting Units : ug/L**

QC Batch ID : Qb24052974 **Created Date :** 05/24/24 **Created By :** mqiao

Samples in This QC Batch : 24052421.01

Extraction : PB24052339 **Prep Method :** EPA 608.3 **Prep Date :** 05/23/24 08:00 **Prep By :** MMuteen

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Aroclor 1016	12674-11-2	< MDL	ug/L	1.00	0.05	0.025		
Aroclor 1221	11104-28-2	< MDL	ug/L	1.00	0.05	0.026		
Aroclor 1232	11141-16-5	< MDL	ug/L	1.00	0.05	0.026		
Aroclor 1242	53469-21-9	< MDL	ug/L	1.00	0.05	0.026		
Aroclor 1248	12672-29-6	< MDL	ug/L	1.00	0.05	0.026		
Aroclor 1254	11097-69-1	< MDL	ug/L	1.00	0.05	0.026		
Aroclor 1260	11096-82-5	< MDL	ug/L	1.00	0.05	0.026		
Total PCBs		< MDL	ug/L	1.00	0.05	0.026		
Decachlorobiphenyl(surr)	2051-24-3	102	%	1.00				
Tetrachloro-m-xylene(surr)	877-09-8	69	%	1.00				

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aroclor 1016	2	1.56	77.9	2	1.64	81.8	5.1	18	53.7-136	
Aroclor 1260	2	2.09	104	2	2.09	105	0	18	57.9-146	
Total PCBs	4	3.65	91.2	4	3.73	93.2	2.2	18	51.7-138	

QC Type: MS and MSD
QC Sample ID: 24052423.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aroclor 1016	BRL	2.04	6.18	303						50-140	M1
Aroclor 1260	BRL	2.04	2.36	116						10-140	
Total PCBs	BRL	4.08	8.54	209						50-140	M1

QUALITY CONTROL CERTIFICATE

Job ID : 24052421 **Date :** 5/30/2024

Analysis : Organochlorine Pesticides **Method :** EPA 608.3 **Reporting Units :** ug/L

QC Batch ID : Qb24053099 **Created Date :** 05/29/24 **Created By :** mqiao

Samples in This QC Batch : 24052421.01

Extraction : PB24052338 **Prep Method :** EPA 608.3 **Prep Date :** 05/23/24 08:00 **Prep By :** MMuteen

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
4,4-DDD	72-54-8	< MDL	ug/L	1.00	0.01	0.002		
4,4-DDE	72-55-9	< MDL	ug/L	1.00	0.01	0.009		
4,4-DDT	50-29-3	< MDL	ug/L	1.00	0.01	0.004		
a-BHC	319-84-6	< MDL	ug/L	1.00	0.01	0.003		
Aldrin	309-00-2	< MDL	ug/L	1.00	0.01	0.004		
b-BHC	319-85-7	< MDL	ug/L	1.00	0.01	0.004		
Chlordane	57-74-9	< MDL	ug/L	1.00	0.1	0.1		
d-BHC	319-86-8	< MDL	ug/L	1.00	0.01	0.006		
Dieldrin	60-57-1	< MDL	ug/L	1.00	0.01	0.005		
Endosulfan I	959-98-8	< MDL	ug/L	1.00	0.01	0.007		
Endosulfan II	33213-65-9	< MDL	ug/L	1.00	0.01	0.004		
Endosulfan sulfate	1031-07-8	< MDL	ug/L	1.00	0.01	0.005		
Endrin	72-20-8	< MDL	ug/L	1.00	0.01	0.004		
Endrin aldehyde	7421-93-4	< MDL	ug/L	1.00	0.01	0.003		
Endrin ketone	53494-70-5	< MDL	ug/L	1.00	0.01	0.004		
g-BHC	58-89-9	< MDL	ug/L	1.00	0.01	0.004		
Heptachlor	76-44-8	< MDL	ug/L	1.00	0.01	0.004		
Heptachlor epoxide	1024-57-3	< MDL	ug/L	1.00	0.01	0.004		
Methoxychlor	72-43-5	< MDL	ug/L	1.00	0.01	0.003		
Mirex	2385-85-5	< MDL	ug/L	1.00	0.1	0.079		
Toxaphene	8001-35-2	< MDL	ug/L	1.00	0.5	0.1		
Dicofol	115-32-2	< MQL	ug/L	1.00	0.2			
Tetrachloro-m-xylene(surr)	877-09-8	73	%	1.00				
Decachlorobiphenyl(surr)	2051-24-3	82.5	%	1.00				

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
4,4-DDD	0.2	0.216	108	0.2	0.204	102	5.7	24	27-147	
4,4-DDE	0.2	0.190	95	0.2	0.180	90.3	5.4	21	30-136	
4,4-DDT	0.2	0.183	91.5	0.2	0.177	88.5	3.3	30	23-152	
a-BHC	0.2	0.196	98.3	0.2	0.184	91.8	6.6	25	23-125	
Aldrin	0.2	0.205	103	0.2	0.188	94.3	8.7	23	27-127	
b-BHC	0.2	0.190	94.8	0.2	0.176	88	7.4	24	29-132	
d-BHC	0.2	0.204	102	0.2	0.190	95.3	7.4	20	30-139	
Dieldrin	0.2	0.209	105	0.2	0.206	103	1.4	21	29-135	
Endosulfan I	0.2	0.140	69.8	0.2	0.132	66	5.5	24	15-125	

QUALITY CONTROL CERTIFICATE

Job ID : 24052421 **Date :** 5/30/2024

Analysis : Organochlorine Pesticides **Method : EPA 608.3** **Reporting Units : ug/L**

QC Batch ID : Qb24053099 **Created Date :** 05/29/24 **Created By :** mqiao

Samples in This QC Batch : 24052421.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Endosulfan II	0.2	0.164	82.3	0.2	0.161	80.5	2.2	21	20-133	
Endosulfan sulfate	0.2	0.204	102	0.2	0.205	103	0.7	20	21-151	
Endrin	0.2	0.202	101	0.2	0.190	94.8	5.9	24	22-147	
Endrin aldehyde	0.2	0.228	114	0.2	0.210	105	8.4	33	14-136	
Endrin ketone	0.2	0.203	102	0.2	0.192	95.8	5.6	20	15-154	
g-BHC	0.2	0.210	105	0.2	0.196	97.8	6.9	25	23-132	
Heptachlor	0.2	0.218	109	0.2	0.214	107	2.1	20	27-134	
Heptachlor epoxide	0.2	0.204	102	0.2	0.190	95.3	7.4	24	32-132	
Methoxychlor	0.2	0.184	92	0.2	0.179	89.5	2.8	24	24-175	

QC Type: MS and MSD
QC Sample ID: 24052417.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
4,4-DDD	BRL	0.2	0.168	83.8						40-140	
4,4-DDE	BRL	0.2	0.115	57.5						40-140	
4,4-DDT	BRL	0.2	0.134	67						40-140	
a-BHC	BRL	0.2	0.172	86						40-140	
Aldrin	BRL	0.2	0.121	60.5						40-140	
b-BHC	BRL	0.2	0.106	53						40-140	
d-BHC	BRL	0.2	0.196	98.3						40-140	
Dieldrin	BRL	0.2	0.171	85.5						40-140	
Endosulfan I	BRL	0.2	0.141	70.5						40-140	
Endosulfan II	BRL	0.2	0.130	64.8						40-140	
Endosulfan sulfate	BRL	0.2	0.188	93.8						40-140	
Endrin	BRL	0.2	0.166	83						40-140	
Endrin aldehyde	BRL	0.2	0.212	106						40-140	
Endrin ketone	BRL	0.2	0.166	83						40-140	
g-BHC	BRL	0.2	0.180	89.8						40-140	
Heptachlor	BRL	0.2	0.114	56.8						40-140	
Heptachlor epoxide	BRL	0.2	0.136	68						40-140	
Methoxychlor	BRL	0.2	0.144	71.8						40-140	

Sample Condition Checklist

A&B JobID : **24052421**	Date Received : **05/22/2024**	Time Received : **7:20AM**
Client Name : **NWDLS**		
Temperature : **2.9°C**	Sample pH : **NA**	
Thermometer ID : **IR7**	pH Paper ID : **NA**	
Perservative :	Lot# :	

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

Comments : Include actions taken to resolve discrepancies/problem:

Samples received out of hold. AM 05/22/24

Brought by : Client

Received by : Jedralin

Check in by/date : Amber / 05/22/2024

ab-s005-1123

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

Project
1103941

NWDS-G

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

Printed 06/03/2024
19:55

TABLE OF CONTENTS

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

Email: Kilgore.ProjectManagement@spllabs.com

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

SAMPLE CROSS REFERENCE

Project
1103941

Printed 6/3/2024 Page 1 of 1
WW

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

Sample	Sample ID	Taken	Time	Received
2300493	*CARBARYL & DIURON*	05/15/2024	07:00:00	05/21/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1120285) Volume: 1.00000 mL <== Derived from 01 (971 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 632	03	1120285	05/21/2024	1121904	05/24/2024

Email: Kilgore.ProjectManagement@spllabs.com

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

SPL The Science of Sure

NWDS-G

Project
1103941

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

Printed: 06/03/2024

RESULTS

Sample Results

2300493 **CARBARYL & DIURON** Received: 05/21/2024

Non-Potable Water Collected by: Client North Water District PO: #26201
Taken: 05/15/2024 07:00:00

EPA 632 Prepared: 1120285 05/21/2024 14:30:00 Analyzed 1121904 05/24/2024 08:45:00 BRU

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Carbaryl (Sevin)**	**<2.57**	**ug/L**	2.57		**63-25-2**	03
z	**Diuron**	**<0.0463**	**ug/L**	0.0463		**330-54-1**	03

Sample Preparation

2300493 **CARBARYL & DIURON** Received: 05/21/2024

#26201

05/15/2024

Prepared: 05/21/2024 12:09:28 Calculated 05/21/2024 12:09:28 CAL

z **Environmental Fee (per Project)** **Verified**

Prepared: 06/03/2024 17:11:00 Analyzed 06/03/2024 17:11:00 TWV

z **Level IV Data Review** **Completed**

EPA 632 Prepared: 1120285 05/21/2024 14:30:00 Analyzed 1120285 05/21/2024 14:30:00 SAB

Liquid-Liquid Extr. W/Hex Ex **1/971** **ml** 01

EPA 632 Prepared: 1120285 05/21/2024 14:30:00 Analyzed 1121904 05/24/2024 08:45:00 BRU

NELAC **Carbaryl/Diuron** **Entered** 03

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

NWDS-G

Project
1103941

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

Printed: 06/03/2024

Qualifiers:

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

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

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

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

Bill Peery

Bill Peery, MS, VP Technical Services

QUALITY CONTROL

NWDS-G

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

Project
1103941

Printed 06/03/2024

Analytical Set 1121904 EPA 632

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Carbaryl (Sevin)	1120285	ND	66.1	2500	ug/L	126392207
Diuron	1120285	51.0	44.4	45.0	ug/L	126392207

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Carbaryl (Sevin)	510	500	ug/L	102	70.0 - 130	126392199
Carbaryl (Sevin)	554	500	ug/L	111	70.0 - 130	126392203
Carbaryl (Sevin)	556	500	ug/L	111	70.0 - 130	126392206
Carbaryl (Sevin)	583	500	ug/L	117	70.0 - 130	126392210
Carbaryl (Sevin)	594	500	ug/L	119	70.0 - 130	126392213
Carbaryl (Sevin)	1020	1000	ug/L	102	70.0 - 130	126392217
Diuron	535	500	ug/L	107	70.0 - 130	126392199
Diuron	571	500	ug/L	114	70.0 - 130	126392203
Diuron	592	500	ug/L	118	70.0 - 130	126392206
Diuron	570	500	ug/L	114	70.0 - 130	126392210
Diuron	619	500	ug/L	124	70.0 - 130	126392213
Diuron	1070	1000	ug/L	107	70.0 - 130	126392217

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Carbaryl (Sevin)	1120285	849	787	1000	17.1 - 131	84.9	78.7	ug/L	7.58	30.0
Diuron	1120285	698	613	1000	0.100 - 138	69.8	61.3	ug/L	13.0	30.0

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

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.)

Email: Kilgore.ProjectManagement@spllabs.com

1103941 CoC Print Group 001 of 001

NWDLS
North Water District Laboratory Services, Inc.

SUBCONTRACT ORDER

Sending Laboratory:

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

Project Manager: Deena Higginbotham

Subcontracted Laboratory:

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

Work Order: 24D3991

Analysis	Due	Expires	Comments
Sample ID: 24D3991-01	***Waste Water***	***Sampled: 05/15/2024 07:00***	
Sub_CBURP-632	05/31/2024	05/22/2024 07:00	2300493
Analyte(s):			
Carbaryl	Diuron		
Containers Supplied:			

Released By — Date: 05.20.2024

Received By — Date: 05.20.2024

1103941 CoC Print Group 001 of 001

SUBCONTRACT ORDER

Sending Laboratory:

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

Project Manager: Deena Higginbotham

Subcontracted Laboratory:

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

Work Order: 24D3991

Analysis	Due	Expires	Comments
Sample ID: 24D3991-01	***Waste Water***	***Sampled: 05/15/2024 07:00***	
Sub_CBURP-632	05/31/2024	05/22/2024 07:00	
Analyte(s):			
Carbaryl	Diuron		
Containers Supplied:			

KMC — 05.20.2024
Released By — Date

UPS — 05.20.2024
Received By — Date

Laboratory Analysis Report

Total Number of Pages: 6

Job ID : 24052932

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

Client Project Name :
24D3996

Report To :

Client Name: NWDLS
Attn: Deena Higginbotham
Client Address: 130 S Trade Center Pkwy
City, State, Zip: Conroe, Texas, 77385

P.O.#.: 24D3996
Sample Collected By:
Date Collected: 05/14/24

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

Client Sample ID	Matrix	A&B Sample ID
24D3996-04	Waste Water	24052932.01

Released By: Senthilkumar Sevukan
Title: Vice President Operations
Date: 5/30/2024

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

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

ab-q210-0321

Date Received : 05/28/2024 08:15

Report Number: RPT240530161

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 24052932

Date: 5/30/2024

General Term Definition

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

Qualifier Definition

LABORATORY TEST RESULTS

Job ID : 24052932

Date 5/30/2024

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name: 24D3996

Client Sample ID: 24D3996-04
Date Collected: 05/14/24
Time Collected: 15:00
Other Information:

Job Sample ID: 24052932.01
Sample Matrix Waste Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
SM 4500CNC/E	Cyanide, Total Ultra Low									
	Cyanide	0.00300	mg/L	1	0.00069	0.00200			05/28/24 11:51	SKC

ab-q212-0321

QUALITY CONTROL CERTIFICATE

Job ID : 24052932 **Date :** 5/30/2024

Analysis : Cyanide, Total Ultra Low **Method : SM 4500CNC/E** **Reporting Units : mg/L**

QC Batch ID : Qb24052891 **Created Date :** 05/28/24 **Created By :** Srijan

Samples in This QC Batch : 24052932.01

Sample Preparation : PB24052838 **Prep Method :** SM 4500CNC/E **Prep Date :** 05/28/24 10:15 **Prep By :** Srijan

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Cyanide	57-12-5	< MDL	mg/L	1	0.002	0.00069		

QC Type: Duplicate

QC Sample ID: 24052932.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Cyanide	0.00285	0.0030	mg/L	5.1	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Cyanide	0.02	0.019	95	0.02	0.019	95	0	20	90-110	

QC Type: MS and MSD

QC Sample ID: 24052932.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Cyanide	0.0030	0.02	0.0205	87.5						80-120	

Sample Condition Checklist

A&B JobID : **24052932**	Date Received : **05/28/2024**	Time Received : **8:15AM**
Client Name : **NWDLS**		
Temperature : **2.1°C**	Sample pH : **>12 CN**	
Thermometer ID : **IR7**	pH Paper ID : **115063**	
Perservative :	Lot# :	

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

Comments : Include actions taken to resolve discrepancies/problem:

CN: NaOH+NaAsO2. ~ANS 05/28/24

Brought by : Client

Received by : ASmith

Check in by/date : ASmith / 05/28/2024

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 6

Job ID : 24052932

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

Client Project Name :
24D3996

Report To :

Client Name: NWDLS
Attn: Deena Higginbotham
Client Address: 130 S Trade Center Pkwy
City, State, Zip: Conroe, Texas, 77385

P.O.#.: 24D3996
Sample Collected By:
Date Collected: 05/14/24

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

Client Sample ID	Matrix	A&B Sample ID
24D3996-04	Waste Water	24052932.01

Released By: Senthilkumar Sevukan
Title: Vice President Operations
Date: 5/30/2024

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

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

ab-q210-0321

Date Received : 05/28/2024 08:15

Report Number: RPT240530161

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 24052932

Date: 5/30/2024

General Term Definition

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

Qualifier Definition

LABORATORY TEST RESULTS

Job ID : 24052932

Date 5/30/2024

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name: 24D3996

Client Sample ID: 24D3996-04
Date Collected: 05/14/24
Time Collected: 15:00
Other Information:

Job Sample ID: 24052932.01
Sample Matrix Waste Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
SM 4500CNC/E	Cyanide, Total Ultra Low									
	Cyanide	0.00300	mg/L	1	0.00069	0.00200			05/28/24 11:51	SKC

ab-q212-0321

QUALITY CONTROL CERTIFICATE

Job ID : 24052932 **Date :** 5/30/2024

Analysis : Cyanide, Total Ultra Low **Method : SM 4500CNC/E** **Reporting Units : mg/L**

QC Batch ID : Qb24052891 **Created Date :** 05/28/24 **Created By :** Srijan

Samples in This QC Batch : 24052932.01

Sample Preparation : PB24052838 **Prep Method :** SM 4500CNC/E **Prep Date :** 05/28/24 10:15 **Prep By :** Srijan

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Cyanide	57-12-5	< MDL	mg/L	1	0.002	0.00069		

QC Type: Duplicate

QC Sample ID: 24052932.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Cyanide	0.00285	0.0030	mg/L	5.1	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Cyanide	0.02	0.019	95	0.02	0.019	95	0	20	90-110	

QC Type: MS and MSD

QC Sample ID: 24052932.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Cyanide	0.0030	0.02	0.0205	87.5						80-120	

Sample Condition Checklist

A&B JobID : **24052932**	Date Received : **05/28/2024**	Time Received : **8:15AM**
Client Name : **NWDLS**		
Temperature : **2.1°C**	Sample pH : **>12 CN**	
Thermometer ID : **IR7**	pH Paper ID : **115063**	
Perservative :	Lot# :	

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

Comments : Include actions taken to resolve discrepancies/problem:

CN: NaOH+NaAsO2. ~ANS 05/28/24

Brought by : Client

Received by : ASmith

Check in by/date : ASmith / 05/28/2024

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 8

Job ID : 24052420

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

Client Project Name :
24D3997

Report To :	Client Name:	NWDLS	P.O.#.: 24D3997
	Attn:	Deena Higginbotham	Sample Collected By:
	Client Address:	130 S Trade Center Pkwy	Date Collected: 05/14/24
	City, State, Zip:	Conroe, Texas, 77385	

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

Client Sample ID	Matrix	A&B Sample ID
24D3997-01	Waste Water	24052420.01

Released By: Senthilkumar Sevukan
Title: Vice President Operations
Date: 05/30/2024

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

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

ab-q210-0321

Date Received : 05/22/2024 07:20

Report Number: RPT240530063

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 24052420

Date: 5/30/2024

General Term Definition

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

Qualifier Definition

H3	Sample was received and analyzed past holding time.
M1	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits due to matrix interference. "The sample randomly selected as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
S6	Surrogate recovery is outside control limits due to matrix effects.
U	Undetected at SDL (Sample Detection Limit).
V12	Closing CCV recovery is outside of acceptance limits.

LABORATORY TEST RESULTS

Job ID : 24052420

Date 5/30/2024

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name: 24D3997

Client Sample ID: 24D3997-01
Date Collected: 05/14/24
Time Collected: 15:00
Other Information:

Job Sample ID: 24052420.01
Sample Matrix Waste Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 608.3	Polychlorinated Biphenyls									
	Aroclor 1016	<0.03	ug/L	1.09	0.03	0.0550		U	05/24/24 19:27	MQ
	Aroclor 1221	<0.03	ug/L	1.09	0.03	0.0550		U	05/24/24 19:27	MQ
	Aroclor 1232	<0.03	ug/L	1.09	0.03	0.0550		U	05/24/24 19:27	MQ
	Aroclor 1242	<0.03	ug/L	1.09	0.03	0.0550		U	05/24/24 19:27	MQ
	Aroclor 1248	<0.03	ug/L	1.09	0.03	0.0550		U	05/24/24 19:27	MQ
	Aroclor 1254	<0.03	ug/L	1.09	0.03	0.0550		U	05/24/24 19:27	MQ
	Aroclor 1260	<0.03	ug/L	1.09	0.03	0.0550		U	05/24/24 19:27	MQ
	Total PCBs	<0.03	ug/L	1.09	0.03	0.0550		U	05/24/24 19:27	MQ
	Decachlorobiphenyl(surr)	18.5	%	1.09		35-129		S6	05/24/24 19:27	MQ
	Tetrachloro-m-xylene(surr)	68.5	%	1.09		27-127			05/24/24 19:27	MQ
EPA 608.3	Organochlorine Pesticides									
	Dicofol[2]	<0.055	ug/L	1.09	0.055	0.055		H3,U	05/30/24 00:26	MQ
	4,4-DDD	<0.002	ug/L	1.09	0.002	0.011		U	05/30/24 00:26	MQ
	4,4-DDE	<0.010	ug/L	1.09	0.010	0.011		U	05/30/24 00:26	MQ
	4,4-DDT	<0.004	ug/L	1.09	0.004	0.011		U	05/30/24 00:26	MQ
	a-BHC	<0.003	ug/L	1.09	0.003	0.011		U	05/30/24 00:26	MQ
	Aldrin	<0.004	ug/L	1.09	0.004	0.011		U	05/30/24 00:26	MQ
	b-BHC	<0.004	ug/L	1.09	0.004	0.011		U	05/30/24 00:26	MQ
	Chlordane	<0.109	ug/L	1.09	0.109	0.109		U	05/30/24 00:26	MQ
	d-BHC	<0.007	ug/L	1.09	0.007	0.011		V12,U	05/30/24 00:26	MQ
	Dieldrin	<0.006	ug/L	1.09	0.006	0.011		U	05/30/24 00:26	MQ
	Endosulfan I	<0.008	ug/L	1.09	0.008	0.011		U	05/30/24 00:26	MQ
	Endosulfan II	<0.004	ug/L	1.09	0.004	0.011		U	05/30/24 00:26	MQ
	Endosulfan sulfate	<0.006	ug/L	1.09	0.006	0.011		V12,U	05/30/24 00:26	MQ
	Endrin	<0.004	ug/L	1.09	0.004	0.011		U	05/30/24 00:26	MQ
	Endrin aldehyde	<0.003	ug/L	1.09	0.003	0.011		U	05/30/24 00:26	MQ
	Endrin ketone	<0.004	ug/L	1.09	0.004	0.011		U	05/30/24 00:26	MQ
	g-BHC	<0.004	ug/L	1.09	0.004	0.011		U	05/30/24 00:26	MQ
	Heptachlor	<0.004	ug/L	1.09	0.004	0.011		U	05/30/24 00:26	MQ
	Heptachlor epoxide	<0.004	ug/L	1.09	0.004	0.011		U	05/30/24 00:26	MQ
	Methoxychlor	<0.003	ug/L	1.09	0.003	0.011		V12,U	05/30/24 00:26	MQ
	Mirex[2]	<0.011	ug/L	1.09	0.011	0.011		U	05/30/24 00:26	MQ
	Toxaphene	<0.109	ug/L	1.09	0.109	0.109		U	05/30/24 00:26	MQ
	Decachlorobiphenyl(surr)	31.8	%	1.09		34-120		S6	05/30/24 00:26	MQ
	Tetrachloro-m-xylene(surr)	60.8	%	1.09		24-127			05/30/24 00:26	MQ

ab-q212-0321

[2]-Parameter not available for accreditation.

QUALITY CONTROL CERTIFICATE

Job ID : 24052420 **Date :** 5/30/2024

Analysis : Polychlorinated Biphenyls **Method :** EPA 608.3 **Reporting Units :** ug/L

QC Batch ID : Qb24052974 **Created Date :** 05/24/24 **Created By :** mqiao

Samples in This QC Batch : 24052420.01

Extraction : PB24052339 **Prep Method :** EPA 608.3 **Prep Date :** 05/23/24 08:00 **Prep By :** MMuteen

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Aroclor 1016	12674-11-2	< MDL	ug/L	1.00	0.05	0.025		
Aroclor 1221	11104-28-2	< MDL	ug/L	1.00	0.05	0.026		
Aroclor 1232	11141-16-5	< MDL	ug/L	1.00	0.05	0.026		
Aroclor 1242	53469-21-9	< MDL	ug/L	1.00	0.05	0.026		
Aroclor 1248	12672-29-6	< MDL	ug/L	1.00	0.05	0.026		
Aroclor 1254	11097-69-1	< MDL	ug/L	1.00	0.05	0.026		
Aroclor 1260	11096-82-5	< MDL	ug/L	1.00	0.05	0.026		
Total PCBs		< MDL	ug/L	1.00	0.05	0.026		
Decachlorobiphenyl(surr)	2051-24-3	102	%	1.00				
Tetrachloro-m-xylene(surr)	877-09-8	69	%	1.00				

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aroclor 1016	2	1.56	77.9	2	1.64	81.8	5.1	18	53.7-136	
Aroclor 1260	2	2.09	104	2	2.09	105	0	18	57.9-146	
Total PCBs	4	3.65	91.2	4	3.73	93.2	2.2	18	51.7-138	

QC Type: MS and MSD
QC Sample ID: 24052423.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aroclor 1016	BRL	2.04	6.18	303						50-140	M1
Aroclor 1260	BRL	2.04	2.36	116						10-140	
Total PCBs	BRL	4.08	8.54	209						50-140	M1

QUALITY CONTROL CERTIFICATE

Job ID : 24052420 **Date :** 5/30/2024

Analysis : Organochlorine Pesticides **Method :** EPA 608.3 **Reporting Units :** ug/L

QC Batch ID : Qb24053099 **Created Date :** 05/29/24 **Created By :** mqiao

Samples in This QC Batch : 24052420.01

Extraction : PB24052338 **Prep Method :** EPA 608.3 **Prep Date :** 05/23/24 08:00 **Prep By :** MMuteen

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
4,4-DDD	72-54-8	< MDL	ug/L	1.00	0.01	0.002		
4,4-DDE	72-55-9	< MDL	ug/L	1.00	0.01	0.009		
4,4-DDT	50-29-3	< MDL	ug/L	1.00	0.01	0.004		
a-BHC	319-84-6	< MDL	ug/L	1.00	0.01	0.003		
Aldrin	309-00-2	< MDL	ug/L	1.00	0.01	0.004		
b-BHC	319-85-7	< MDL	ug/L	1.00	0.01	0.004		
Chlordane	57-74-9	< MDL	ug/L	1.00	0.1	0.1		
d-BHC	319-86-8	< MDL	ug/L	1.00	0.01	0.006		
Dieldrin	60-57-1	< MDL	ug/L	1.00	0.01	0.005		
Endosulfan I	959-98-8	< MDL	ug/L	1.00	0.01	0.007		
Endosulfan II	33213-65-9	< MDL	ug/L	1.00	0.01	0.004		
Endosulfan sulfate	1031-07-8	< MDL	ug/L	1.00	0.01	0.005		
Endrin	72-20-8	< MDL	ug/L	1.00	0.01	0.004		
Endrin aldehyde	7421-93-4	< MDL	ug/L	1.00	0.01	0.003		
Endrin ketone	53494-70-5	< MDL	ug/L	1.00	0.01	0.004		
g-BHC	58-89-9	< MDL	ug/L	1.00	0.01	0.004		
Heptachlor	76-44-8	< MDL	ug/L	1.00	0.01	0.004		
Heptachlor epoxide	1024-57-3	< MDL	ug/L	1.00	0.01	0.004		
Methoxychlor	72-43-5	< MDL	ug/L	1.00	0.01	0.003		
Mirex	2385-85-5	< MDL	ug/L	1.00	0.1	0.079		
Toxaphene	8001-35-2	< MDL	ug/L	1.00	0.5	0.1		
Dicofol	115-32-2	< MQL	ug/L	1.00	0.2			
Tetrachloro-m-xylene(surr)	877-09-8	73	%	1.00				
Decachlorobiphenyl(surr)	2051-24-3	82.5	%	1.00				

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
4,4-DDD	0.2	0.216	108	0.2	0.204	102	5.7	24	27-147	
4,4-DDE	0.2	0.190	95	0.2	0.180	90.3	5.4	21	30-136	
4,4-DDT	0.2	0.183	91.5	0.2	0.177	88.5	3.3	30	23-152	
a-BHC	0.2	0.196	98.3	0.2	0.184	91.8	6.6	25	23-125	
Aldrin	0.2	0.205	103	0.2	0.188	94.3	8.7	23	27-127	
b-BHC	0.2	0.190	94.8	0.2	0.176	88	7.4	24	29-132	
d-BHC	0.2	0.204	102	0.2	0.190	95.3	7.4	20	30-139	
Dieldrin	0.2	0.209	105	0.2	0.206	103	1.4	21	29-135	
Endosulfan I	0.2	0.140	69.8	0.2	0.132	66	5.5	24	15-125	

QUALITY CONTROL CERTIFICATE

Job ID : 24052420 **Date :** 5/30/2024

Analysis : Organochlorine Pesticides **Method : EPA 608.3** **Reporting Units : ug/L**

QC Batch ID : Qb24053099 **Created Date :** 05/29/24 **Created By :** mqiao

Samples in This QC Batch : 24052420.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Endosulfan II	0.2	0.164	82.3	0.2	0.161	80.5	2.2	21	20-133	
Endosulfan sulfate	0.2	0.204	102	0.2	0.205	103	0.7	20	21-151	
Endrin	0.2	0.202	101	0.2	0.190	94.8	5.9	24	22-147	
Endrin aldehyde	0.2	0.228	114	0.2	0.210	105	8.4	33	14-136	
Endrin ketone	0.2	0.203	102	0.2	0.192	95.8	5.6	20	15-154	
g-BHC	0.2	0.210	105	0.2	0.196	97.8	6.9	25	23-132	
Heptachlor	0.2	0.218	109	0.2	0.214	107	2.1	20	27-134	
Heptachlor epoxide	0.2	0.204	102	0.2	0.190	95.3	7.4	24	32-132	
Methoxychlor	0.2	0.184	92	0.2	0.179	89.5	2.8	24	24-175	

QC Type: MS and MSD
QC Sample ID: 24052417.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
4,4-DDD	BRL	0.2	0.168	83.8						40-140	
4,4-DDE	BRL	0.2	0.115	57.5						40-140	
4,4-DDT	BRL	0.2	0.134	67						40-140	
a-BHC	BRL	0.2	0.172	86						40-140	
Aldrin	BRL	0.2	0.121	60.5						40-140	
b-BHC	BRL	0.2	0.106	53						40-140	
d-BHC	BRL	0.2	0.196	98.3						40-140	
Dieldrin	BRL	0.2	0.171	85.5						40-140	
Endosulfan I	BRL	0.2	0.141	70.5						40-140	
Endosulfan II	BRL	0.2	0.130	64.8						40-140	
Endosulfan sulfate	BRL	0.2	0.188	93.8						40-140	
Endrin	BRL	0.2	0.166	83						40-140	
Endrin aldehyde	BRL	0.2	0.212	106						40-140	
Endrin ketone	BRL	0.2	0.166	83						40-140	
g-BHC	BRL	0.2	0.180	89.8						40-140	
Heptachlor	BRL	0.2	0.114	56.8						40-140	
Heptachlor epoxide	BRL	0.2	0.136	68						40-140	
Methoxychlor	BRL	0.2	0.144	71.8						40-140	

Sample Condition Checklist

A&B JobID : **24052420**	Date Received : **05/22/2024**	Time Received : **7:20AM**
Client Name : **NWDLS**		
Temperature : **2.9°C**	Sample pH : **NA**	
Thermometer ID : **IR7**	pH Paper ID : **NA**	
Perservative :	Lot# :	

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

Comments : Include actions taken to resolve discrepancies/problem:

Samples received out of hold. AM 05/22/24

Brought by : Client

Received by : Jedralin

Check in by/date : Amber / 05/22/2024

ab-s005-1123

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

Project
1103942

NWDS-G

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

Printed 06/03/2024
19:54

TABLE OF CONTENTS

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

Email: Kilgore.ProjectManagement@spllabs.com

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

SAMPLE CROSS REFERENCE

Project
1103942

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

Sample	Sample ID	Taken	Time	Received
2300494	*CARBARYL & DIURON*	05/14/2024	15:00:00	05/21/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1120285) Volume: 1.00000 mL <== Derived from 01 (961 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 632	03	1120285	05/21/2024	1121904	05/24/2024

Email: Kilgore.ProjectManagement@spllabs.com

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

SPL The Science of Sure

NWDS-G

Project
1103942

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

Printed: 06/03/2024

RESULTS

Sample Results

2300494 **CARBARYL & DIURON** Received: 05/21/2024

Non-Potable Water | Collected by: Client | North Water District | PO: #26201
Taken: 05/14/2024 15:00:00

EPA 632 Prepared: 1120285 05/21/2024 14:30:00 Analyzed 1121904 05/24/2024 09:13:00 BRU

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Carbaryl (Sevin)**	**<2.60**	**ug/L**	2.60		**63-25-2**	03
z	**Diuron**	**<0.0468**	**ug/L**	0.0468		**330-54-1**	03

Sample Preparation

2300494 **CARBARYL & DIURON** Received: 05/21/2024

#26201

05/14/2024

Prepared: 05/21/2024 12:09:29 Calculated 05/21/2024 12:09:29 CAL

z **Environmental Fee (per Project)** **Verified**

Prepared: 06/03/2024 17:11:00 Analyzed 06/03/2024 17:11:00 TWV

z **Level IV Data Review** **Completed**

EPA 632 Prepared: 1120285 05/21/2024 14:30:00 Analyzed 1120285 05/21/2024 14:30:00 SAB

Liquid-Liquid Extr. W/Hex Ex **1/961** **ml** 01

EPA 632 Prepared: 1120285 05/21/2024 14:30:00 Analyzed 1121904 05/24/2024 09:13:00 BRU

NELAC **Carbaryl/Diuron** **Entered** 03

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

1
2

NWDS-G

Project
1103942

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

Printed: 06/03/2024

Qualifiers:

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

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

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

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

Bill Peery

Bill Peery, MS, VP Technical Services

QUALITY CONTROL

NWDS-G

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

Project
1103942

Printed 06/03/2024

Analytical Set 1121904 EPA 632

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Carbaryl (Sevin)	1120285	ND	66.1	2500	ug/L	126392207
Diuron	1120285	51.0	44.4	45.0	ug/L	126392207

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Carbaryl (Sevin)	510	500	ug/L	102	70.0 - 130	126392199
Carbaryl (Sevin)	554	500	ug/L	111	70.0 - 130	126392203
Carbaryl (Sevin)	556	500	ug/L	111	70.0 - 130	126392206
Carbaryl (Sevin)	583	500	ug/L	117	70.0 - 130	126392210
Carbaryl (Sevin)	594	500	ug/L	119	70.0 - 130	126392213
Carbaryl (Sevin)	1020	1000	ug/L	102	70.0 - 130	126392217
Diuron	535	500	ug/L	107	70.0 - 130	126392199
Diuron	571	500	ug/L	114	70.0 - 130	126392203
Diuron	592	500	ug/L	118	70.0 - 130	126392206
Diuron	570	500	ug/L	114	70.0 - 130	126392210
Diuron	619	500	ug/L	124	70.0 - 130	126392213
Diuron	1070	1000	ug/L	107	70.0 - 130	126392217

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Carbaryl (Sevin)	1120285	849	787	1000	17.1 - 131	84.9	78.7	ug/L	7.58	30.0
Diuron	1120285	698	613	1000	0.100 - 138	69.8	61.3	ug/L	13.0	30.0

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

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.)

Email: Kilgore.ProjectManagement@spllabs.com

NWDLS

SUBCONTRACT ORDER

Sending Laboratory:

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

Project Manager: Deena Higginbotham

Subcontracted Laboratory:

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

Work Order: 24D3997

Analysis	Due	Expires	Comments
Sample ID: 24D3997-01	***Waste Water***	***Sampled: 05/14/2024 15:00***	
Sub_CBURP-632	05/31/2024	05/21/2024 15:00	2300494
Analyte(s):			
Carbaryl	Diuron		
Containers Supplied:			

VMC — Released By — 05.10.2024 — Date

VPS — Received By — 05.10.2024 — Date

1103942 CoC Print Group 001 of 001

ANALYTICAL REPORT

February 04, 2025

City of Victoria - Victoria, TX

Sample Delivery Group: L1820551

Samples Received: 01/28/2025

Project Number:

Description:

Report To: Curtis Davis
P.O. Box 1758
Victoria, TX 77902

Entire Report Reviewed By:

Lori A Vahrenkamp
Project Manager

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

TABLE OF CONTENTS

SAMPLE SUMMARY

EFFLUENT REGIONAL L1820551-01 WW

Collected by: J Marquez
Collected date/time: 01/27/25 12:10
Received date/time: 01/28/25 09:35

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540C	WG2441262	1	01/28/25 13:30	01/28/25 15:59	QQT	Allen, TX
Gravimetric Analysis by Method 2540D	WG2444853	1	02/03/25 09:27	02/03/25 11:10	QQT	Allen, TX
Wet Chemistry by Method 1664B	WG2442748	1	01/30/25 13:44	01/30/25 20:46	DAL	Mt. Juliet, TN
Wet Chemistry by Method 2320B	WG2444864	1	02/03/25 10:58	02/03/25 10:58	SKW	Allen, TX
Wet Chemistry by Method 300.0	WG2441071	1	01/28/25 16:14	01/28/25 16:14	JBS	Allen, TX
Wet Chemistry by Method 300.0	WG2441073	1	01/28/25 18:05	01/28/25 18:05	JBS	Allen, TX
Wet Chemistry by Method 300.0	WG2441074	1	01/29/25 10:57	01/29/25 10:57	JBS	Allen, TX
Wet Chemistry by Method 351.2	WG2444845	2	02/03/25 18:52	02/03/25 20:30	EIG	Allen, TX
Wet Chemistry by Method 4500P-E	WG2443468	10	01/31/25 17:58	01/31/25 17:58	SMC	Allen, TX
Wet Chemistry by Method 5210 B-2016	WG2441040	1	01/28/25 16:58	02/02/25 12:58	SKW	Allen, TX
Wet Chemistry by Method SM4500NH3H	WG2441786	1	01/29/25 12:47	01/29/25 12:47	EIG	Allen, TX

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.

Lori A Vahrenkamp
Project Manager

Gravimetric Analysis by Method 2540C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Total Dissolved Solids	674		50.0	1	01/28/2025 15:59	WG2441262

Gravimetric Analysis by Method 2540D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	4.40		2.50	1	02/03/2025 11:10	WG2444853

Wet Chemistry by Method 1664B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Oil & Grease (Hexane Extr)	<1.54		1.54	5.49	1	01/30/2025 20:46	WG2442748

Wet Chemistry by Method 2320B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Alkalinity	215		20.0	20.0	1	02/03/2025 10:58	WG2444864
Alkalinity,Bicarbonate	215		20.0	20.0	1	02/03/2025 10:58	WG2444864
Alkalinity,Carbonate	<20.0		20.0	20.0	1	02/03/2025 10:58	WG2444864
Alkalinity,Hydroxide	<20.0		20.0	20.0	1	02/03/2025 10:58	WG2444864
Phenolphthalein Alkalinity	<20.0		20.0	20.0	1	02/03/2025 10:58	WG2444864

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	164		0.325	0.800	1	01/29/2025 10:57	WG2441074
Nitrate	3.99		0.379	0.500	1	01/28/2025 16:14	WG2441071
Sulfate	52.4		0.211	0.700	1	01/28/2025 18:05	WG2441073

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Kjeldahl Nitrogen, TKN	11.7		0.280	0.500	2	02/03/2025 20:30	WG2444845

Wet Chemistry by Method 4500P-E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Phosphorus,Total	3.21		0.152	0.500	10	01/31/2025 17:58	WG2443468

Wet Chemistry by Method 5210 B-2016

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
CBOD	3.76		1.00	1	02/02/2025 12:58	WG2441040

Wet Chemistry by Method SM4500NH3H

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Ammonia Nitrogen	9.29		0.0280	0.100	1	01/29/2025 12:47	WG2441786

Method Blank (MB)

(MB) R4171281-1 01/28/25 15:59

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

L1820338-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1820338-01 01/28/25 15:59 • (DUP) R4171281-3 01/28/25 15:59

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Dissolved Solids	1930	2080	1	7.50		10

Laboratory Control Sample (LCS)

(LCS) R4171281-2 01/28/25 15:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Dissolved Solids	2260	2540	112	85.0-115	

Method Blank (MB)

(MB) R4173224-1 02/03/25 11:10

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

L1820549-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1820549-01 02/03/25 11:10 • (DUP) R4173224-3 02/03/25 11:10

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	64.0	89.0	1	32.7	P1	10

L1820658-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1820658-01 02/03/25 11:10 • (DUP) R4173224-4 02/03/25 11:10

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	21.0	20.5	1	2.41		10

Laboratory Control Sample (LCS)

(LCS) R4173224-2 02/03/25 11:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Suspended Solids	854	799	93.6	85.0-115	

Method Blank (MB)

(MB) R4172020-1 01/30/25 20:46

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

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

(LCS) R4172020-2 01/30/25 20:46 • (LCSD) R4172020-3 01/30/25 20:46

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	40.6	38.2	102	95.5	78.0-114			6.09	20

L1820547-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1820547-01 01/30/25 20:46 • (MS) R4172020-4 01/30/25 20:46

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	<1.67	43.0	107	1	78.0-114	

Method Blank (MB)

(MB) R4172855-1 02/03/25 10:58

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

L1820551-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1820551-01 02/03/25 10:58 • (DUP) R4172855-3 02/03/25 10:58

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	215	220	1	2.30		20

Laboratory Control Sample (LCS)

(LCS) R4172855-2 02/03/25 10:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	250	240	96.0	90.0-110	

Method Blank (MB)

(MB) R4171204-1 01/28/25 14:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate	<0.379		0.379	0.500

Laboratory Control Sample (LCS)

(LCS) R4171204-2 01/28/25 14:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate	5.00	4.58	91.7	90.0-110	

L1820412-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1820412-01 01/28/25 14:59 • (MS) R4171204-3 01/28/25 15:14 • (MSD) R4171204-4 01/28/25 15:29

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	5.00	<0.379	4.64	4.71	92.8	94.1	1	90.0-110			1.45	20

Method Blank (MB)

(MB) R4171313-1 01/28/25 16:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Sulfate	<0.211		0.211	0.700

Laboratory Control Sample (LCS)

(LCS) R4171313-2 01/28/25 17:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	5.00	4.99	99.8	90.0-110	

L1819059-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819059-01 01/28/25 17:18 • (MS) R4171313-3 01/28/25 17:30 • (MSD) R4171313-4 01/28/25 17:41

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 %
Sulfate	500	1270	2630	2640	272	273	1	90.0-110	E J5	E J5	0.322	20

Method Blank (MB)

(MB) R4171474-1 01/29/25 09:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	<0.325		0.325	0.800

Laboratory Control Sample (LCS)

(LCS) R4171474-2 01/29/25 09:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	5.00	4.96	99.3	90.0-110	

L1820545-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1820545-01 01/29/25 10:22 • (MS) R4171474-3 01/29/25 10:33 • (MSD) R4171474-4 01/29/25 10:45

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 %
Chloride	100	139	230	230	91.5	91.9	1	90.0-110			0.156	20

Method Blank (MB)

(MB) R4173167-1 02/03/25 20:03

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

Laboratory Control Sample (LCS)

(LCS) R4173167-2 02/03/25 20:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	4.00	4.10	103	90.0-110	

L1819209-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819209-01 02/03/25 20:07 • (MS) R4173167-3 02/03/25 20:39 • (MSD) R4173167-4 02/03/25 20:40

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	20.0	149	180	175	155	130	25	90.0-110	V	V	2.81	20

L1819806-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819806-01 02/03/25 20:08 • (MS) R4173167-5 02/03/25 20:41 • (MSD) R4173167-6 02/03/25 20:43

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 %
Kjeldahl Nitrogen, TKN	20.0	205	243	226	188	105	50	90.0-110	V		7.04	20

Method Blank (MB)

(MB) R4172328-1 01/31/25 17:58

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

Laboratory Control Sample (LCS)

(LCS) R4172328-2 01/31/25 17:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phosphorus,Total	0.500	0.513	103	80.0-120	

L1819953-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1819953-01 01/31/25 17:58 • (MS) R4172328-3 01/31/25 17:59 • (MSD) R4172328-4 01/31/25 17:59

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	21.0	21.6	21.9	115	184	100	80.0-120		V	1.59	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R4172685-1 02/02/25 12:19

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

L1820524-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1820524-02 02/02/25 12:50 • (DUP) R4172685-3 02/02/25 13:02

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
CBOD	4.24	4.04	1	4.83		20

Laboratory Control Sample (LCS)

(LCS) R4172685-2 02/02/25 12:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
CBOD	198	198	99.8	85-115	

Method Blank (MB)

(MB) R4172689-1 01/29/25 12:10

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

Laboratory Control Sample (LCS)

(LCS) R4172689-2 01/29/25 12:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	5.00	5.27	105	80.0-120	

L1820332-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1820332-02 01/29/25 12:20 • (MS) R4172689-3 01/29/25 12:13 • (MSD) R4172689-4 01/29/25 12:15

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	0.0788	5.09	5.11	100	101	1	80.0-120			0.392	20

L1820544-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1820544-01 01/29/25 12:42 • (MS) R4172689-5 01/29/25 12:17 • (MSD) R4172689-6 01/29/25 12:19

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	1.33	6.25	6.25	98.4	98.4	1	80.0-120			0.000	20

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.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
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.
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.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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	LAO00356
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:
City of Victoria - Victoria, TX

P.O. Box 1758
Victoria, TX 77902

Billing Information:
Accounts Payable
P.O. Box 1758
Victoria, TX 77902

Pres Chk

Report to:
Curtis Davis 361-485-3260

Email To:
cdavis@victoriatx.gov;jmarquez@victoriatx.gov

Project Description:

City/State Collected:

Please Circle: PT MT CT ET

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

Client Project #

Lab Project #

Collected by (print): J. MARQUEZ

Site/Facility ID # REGIONAL

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALLPHOS 250mlHDPE-H2SO4	ALLTDS 500mlHDPE-NoPres	ALLTSS 1L-HDPE-NoPres	NH3; TKN 250mlHDPE-H2SO4	NO3,Cl,SO4; Alk 250mlHDPE NoPres	OGHEX 1L-Clr-WT-HCl	cBOD 1L-HDPE NoPres			Remarks	Sample # (lab only)
EFFLUENT REGIONAL	C	WW		1-27-25	1210	7	X	X	X	X	X	X	X				

L1820551-01

COC

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

ALLEN, TX
400 W. Bethany Drive Suite 190 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.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1820551

Table #

Acctnum: **CITVICVTX**
Template: **T267284**
Prelogin: **P1128177**
PM: **3587 - Lori A Vahrenkamp**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
___ UPS ___ FedEx ___ Courier _____

Tracking #

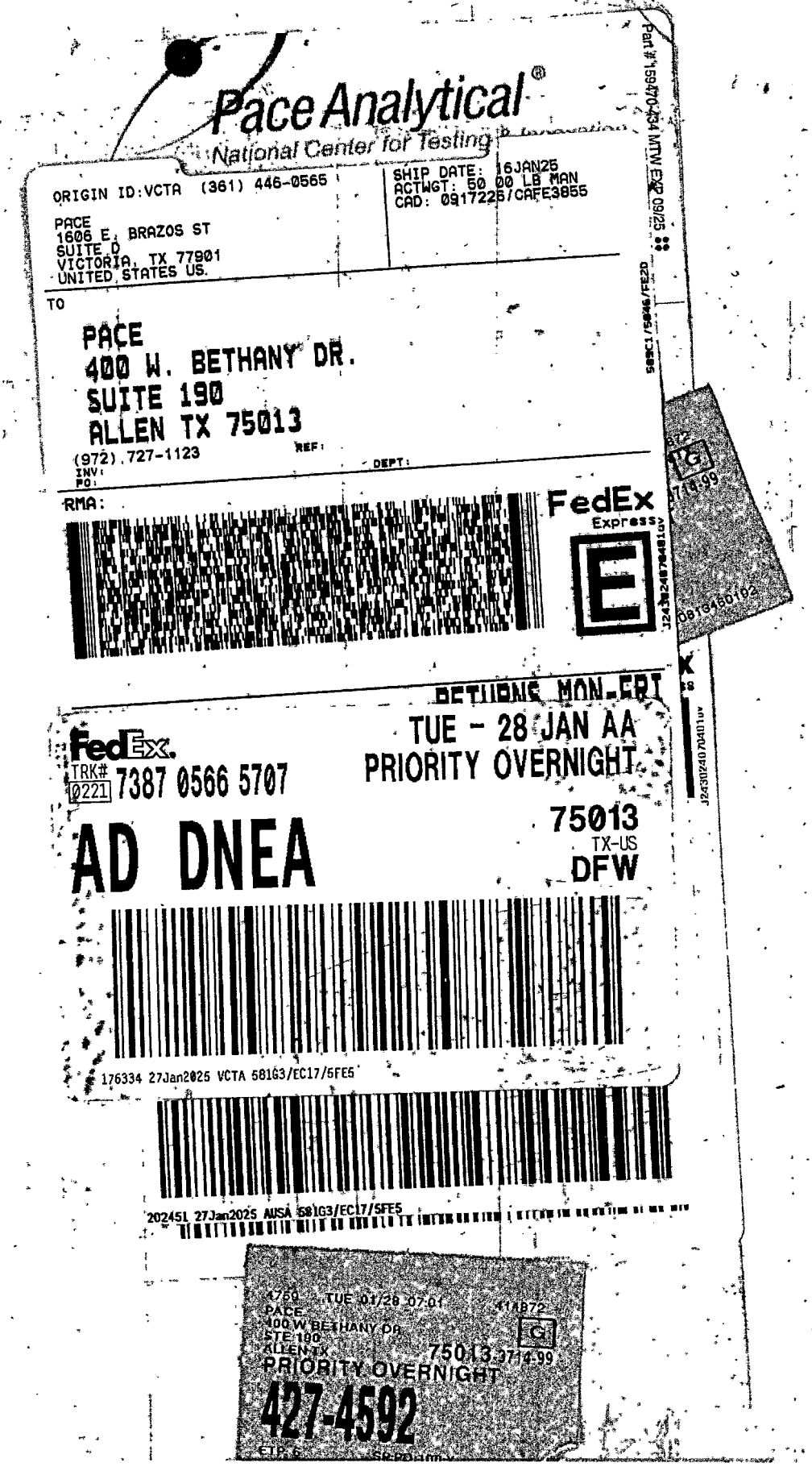
Sample Receipt Checklist

COC Seal Present/Intact:	__NP	__Y __N
COC Signed/Accurate:		__Y __N
Bottles arrive intact:		__Y __N
Correct bottles used:		__Y __N
Sufficient volume sent:		__Y __N
If Applicable		
VOA Zero Headspace:		__Y __N
Preservation Correct/Checked:		__Y __N
RAD Screen <0.5 mR/hr:		__Y __N

	Date:	Time:		
Relinquished by : (Signature)	1-27-25	1253	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	1-27-25	1700	Received by: (Signature) FedEx	Temp: °C Bottles Received:
Relinquished by . (Signature) FedEx	1/28/25	0935	Received for lab by: (Signature)	Date: 1/28/25 Time: 0935

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK


Pace Analytical®
National Center for Testing
ORIGIN ID:VCTA (361) 446-0565
PACE
1606 E. BRAZOS ST
SUITE D
VICTORIA, TX 77901
UNITED STATES US
SHIP DATE: 16JAN25
ACTWGT: 50.00 LB MAN
CAD: 0917225/CAFE3855
TO
PACE
400 W. BETHANY DR.
SUITE 190
ALLEN TX 75013
(972).727-1123
REF:
INV:
PO:
DEPT:
RMA:
FedEx Express
DELIVERY MON-FRI
TUE - 28 JAN AA
PRIORITY OVERNIGHT
FedEx
TRK# 0221 7387 0566 5707
AD DNEA
75013
TX-US
DFW
176334 27Jan2025 VCTA 58163/EC17/5FE5
20245L 27Jan2025 AUSA 58163/EC17/5FE5
TUE 01/28 07:01
41AB72
PACE
400 W BETHANY DR
STE 190
ALLEN TX
75013
PRIORITY OVERNIGHT
427-4592

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ALLE-0017 v15_Sample Condition Upon Receipt
	Effective Date: 12/18/2023

Sample Condition Upon Receipt

☐Dallas ☐Ft Worth ☐Corpus Christi ☐Austin

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

Courier: FedEX ☑ UPS ☐ USPS ☐ Client ☐ LSO ☐ PACE ☐ Other: _____

Tracking #: 7388 7 0566 5707

Custody Seal on Cooler/Box: Yes ☑ No ☐

Received on ice: Wet ☑ Blue ☐ No ice ☐

Receiving Lab 1 Thermometer Used: 186 Cooler Temp °C: 2.1 (Recorded) 0.0 (Correction Factor) 2.1 (Actual)

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

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

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

Triage Person: MR Date: 1/28

Sufficient Volume received	Yes ☑ No ☐
Correct Container used	Yes ☑ No ☐
Container Intact	Yes ☑ No ☐
Sample pH Acceptable pH Strips: 0402007	Yes ☑ No ☐ NA ☐
Residual Chlorine Present Cl Strips: _____	Yes ☐ No ☐ NA ☑
Sulfide Present 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 ☑
~~Unpreserved 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 State Sampled: _____	Yes ☐ No ☐ NA ☑
Non-Conformance(s):	Yes ☐ No ☑

Login Person: MC Date: 01/28

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

Victoria Regional

VALIDATED BY _____ DAY/DATE Monday, January 27th, 2025

CENTRIFUGE READINGS

TIME HRS	RC#1	RC #2	RC #3	RC #4	PRESS
0700	6	X	5	2.5	11
1900	4	X	3.5	2.3	10

SETTLOMETER

TIME HRS	ML#1	ML#2	ML#3	ML#4	ML#5	ML#6	MLSS CENT	ACTUAL TIME
0700	X	900	X	870	910	730	1.2	0640
1900	X	880	X	840	890	700	1.2	1930

SETTLING AVG. 840

CLARIFIER # _____ SLUDGE BLANKET DEPTH _____

MLSS pH/TIME	RECIRC DO/TIME	CLARIFIER EFF DO/TIME	BASIN DO AVG/TIME	BASIN TEMP/TIME	MN INTF/TIME	AMMONIA RES/TIME
7.26 / 0641				19.2 / 0641	N ~ / ~ S 1.4 / 0801	N ~ / ~ S 10 / 0710

pH METER CALIBRATED AT 0000 HRS. BY C.V.
NEW BUFFER SOLUTION READING pH4 4.01 pH7 7.01 pH10 10.05
BUFFER TEMP.pH4 21.2 pH7 21.1 °C, pH10 21.1 °C SLOPE 98.4
3 PT RECALIBRATED AT 1248 HRS OPR INITIALS DNL
SLOPE 97.7 BUFFER TEMP. 18.8 °C
ORION MODEL Star A111 SLOPE RANGE 92-102%
NOTE 1: PG 4-87

EFFLUENT DO
NORTH ~ MG/L ~ TEST TIME
SOUTH 6.01 MG/L 0759 TEST TIME
COLLECTION TIME N. ~ OPR ____
COLLECTION TIME S. 0755
NOTE 1: PG 4-134 OR PG 4-131

FINAL pH
NORTH ~ MG/L ~ TEST TIME ~ TEMP.
SOUTH 7.13 MG/L 0710 TEST TIME 19.8 TEMP.
COLLECTION TIME N. ~ OPR DNL
COLLECTION TIME S. 0704
NOTE 1: PG 4-87

CONTACT CHAMBER CL2 RES
NORTH ~ MG/L ~ TEST TIME
SOUTH 6.0 MG/L 0801 TEST TIME
COLLECTION TIME N. ~ OPR DNL
COLLECTION TIME S. 0755
NOTE 1: PG 4-61

EFFLUENT CL2 RES
NORTH ~ MG/L ~ TEST TIME
SOUTH 6.8 MG/L 0800 TEST TIME
COLLECTION TIME N. ~ OPR DNL
COLLECTION TIME S. 0755
NOTE 1: PG 4-61

TOTAL FLOWS
RECIRC ~
WASTE 30200
SAMPLE REFRIGERATOR #1 TEMP. 4.0 °C
North CONTACT CHAMBER OFF LINE

* Haulen dumpers

SAMPLE COLLECTION		0100	0300	0500	0700	0900	1100	1300	1500	1700	1900	2100	2300	
TIME: ACTUAL		0100	0300	0500	0628	0903	1104	1301	1502	1700	1900	2100	2300	
FLOW N/S		5.2	4.3	3.6	3.0	1.9	3.2	3.9	4.2	3.4	3.8	3.7	4.1	
SAMPLE AMOUNT, ml		337	279	233	195	123	207	253	272	220	246	240	262	
OPERATOR INITIAL		C.V.	C.V.	C.V.	DNL	DNL	DNL	DNL	DNL	TR	C.V.	C.V.	C.V.	
RAW	TEMP °C	21.0	20.9	20.9	20.1	19.1	19.8	19.5	19.4	*	20.7	20.9	21.3	AVG
	pH/TEST TIME	7.35 / 0105	7.20 / 0305	7.22 / 0505	7.08 / 0638	7.28 / 0913	7.14 / 1114	7.27 / 1317	7.17 / 1512	/	7.37 / 1905	7.41 / 2105	7.30 / 2305	7.25

EFF NP FLOW 3.489 MGD RAINFALL 0 IN READ @ 2400 HRS LAB SINK CL2 RESIDUAL 0 mg/l

CL2

	#1	#2	#3	#4
BEG	1175 lbs	0 lbs	1094 lbs	2295 lbs
END	795 lbs	0 lbs	1094 lbs	2295 lbs
DIF	380 lbs	0 lbs	0 lbs	0 lbs

PLANT ON RELIFT YES ____ NO ✓
2 HR. PEAK FLOW 4.1 MG

SO2

	#1	#2	#3	#4
BEG	193 lbs	0 lbs	1707 lbs	412 lbs
END	190 lbs	0 lbs	1533 lbs	364 lbs
DIF	3 lbs	0 lbs	174 lbs	48 lbs

NOTE1: 20TH EDITION OF STANDARD METHODS FOR THE EXAMINATION OF WATER & WASTEWATER. REVISED 5-17-2019

Victoria Regional

E-Coli worksheet for IDEXX colilert system

Date 1-27-25
operator

120ml bottle lot # Exp date:
Colilert snap pac reagent lot# Exp date:
Quantitray lot# Exp date:
Cl2 test strip lot # Exp date:

Incubator temps
in: 35.0 c Time: 0604 Date: 1-27-25
out: 35.0 c Time: 0810 Date: 1-28-25

		Date and Time							
sample	mls used	sample collection	sample setup	Sample read	Large colonies	Small colonies	Reportable MPN		cl2 residual
Blank	100	0735	0801	0810	0	0	<1		0
Duplicate	100	0755	0801	0810	0	0	<1		0
Reg. north		—	—	—	—	—	—		—
Reg.south		0755	0801	0810	0	0	<1		0

Comments:: QA/QC 42

SM 9223B Enzyme Substrate Test.

3/16/2015
C.Davis

Attachment I

Parameters above the MAL

Worksheet 6.0, Section 2.C

ATTACHMENT I
CITY OF VICTORIA
VICTORIA REGIONAL WASTEWATER TREATMENT FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT
APPLICATION FOR PERMIT RENEWAL
PARAMETERS ABOVE THE MAL
(all values in µg/L)

	MAL	4/20/2022	6/22/2022	10/18/2022	1/18/2023	4/17/2023	6/20/2023	9/25/2023	12/11/2023	5/15/2024	8/15/2024	10/16/2024	1/8/2025
Aluminum	2.5	<47.0	<35.3	<35.3	<35.3	24.10	<35.3	63.90	46.30	17.2	39.6	27.4	26.5
Arsenic, total	0.5	1.84	<4.18	<4.18	<4.18	1.23	<4.18	<4.18	<4.18	2.57	3.02	3.04	<4.0
Barium	3	163	156	208	111	77	116	182	119	158	194	173	222
Chromium, total	3	<5.6											<4.0
Chromium, hex	3									5.51			<10.0
Copper, total	2	4.98	4.64	<3.64	6.43	5.05	<3.64	8.07	4.17	3.33	20.1	5.56	5.74
Lead, total	0.5	0.54	<3.12	<3.12	<3.12								<2.0
Mercury, total	0.005	0.00553	0.01270		0.00816		0.00554	0.02930	0.00700				
Nickel, total	2	2.57	4.22	4.66	4.86		5.80	5.58	<3.58	2.41	2.94	3.1	
Nitrate-nitrogen	100	4960								9040			
PCB-1016	0.2	<0.270				<0.270							
PCB-1221	0.2	<0.270				<0.270							
PCB-1232	0.2	<0.270				<0.270							
PCB-1242	0.2	<0.270				<0.270							
Selenium, total	5				5.39								
Silver, total	1								1.71				<2.0
Thallium, total	1		<7.75	<7.75	<7.75		<7.75	9.85	<7.75				<2.0
Zinc, total	5	18.70	17.20	<10.6	<10.6	17.90	18.70	18.20	20.70	11.5	47.7	13.1	10.9

Supplemental Permit Information Form

- **SPIF-1 General Location Map**
- **SPIF-2 USGS Map**

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

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

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

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

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

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

The following applies to all applications:

1. Permittee: **City of Victoria**

   Permit No. WQ00 **11078001** EPA ID No. TX **0025186**

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

   923 U.S. Highway 59 South, in the City of Victoria, Victoria County, Texas 77905

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

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

First and Last Name: **Ken Gill**

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

Title: **Director of Public Works**

Mailing Address: **P.O. Box 1758**

City, State, Zip Code: **Victoria, TX 77902**

Phone No.: **(361) 485-3381** Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: **kgill@victoriatx.gov**

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

The property is owned by the applicant.

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

The effluent is discharged to the Guadalupe River below San Marcos River in Segment No. 1803 of the Guadalupe 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). **See SPIF-1 and SPIF-2.**

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

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

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

☐ Sealing caves, fractures, sinkholes, other karst features

☐ Disturbance of vegetation or wetlands

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

N/A – No construction is proposed for this project.

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

Disturbances, vegetation, and land use are those typically associated with the operations of a wastewater treatment facility.

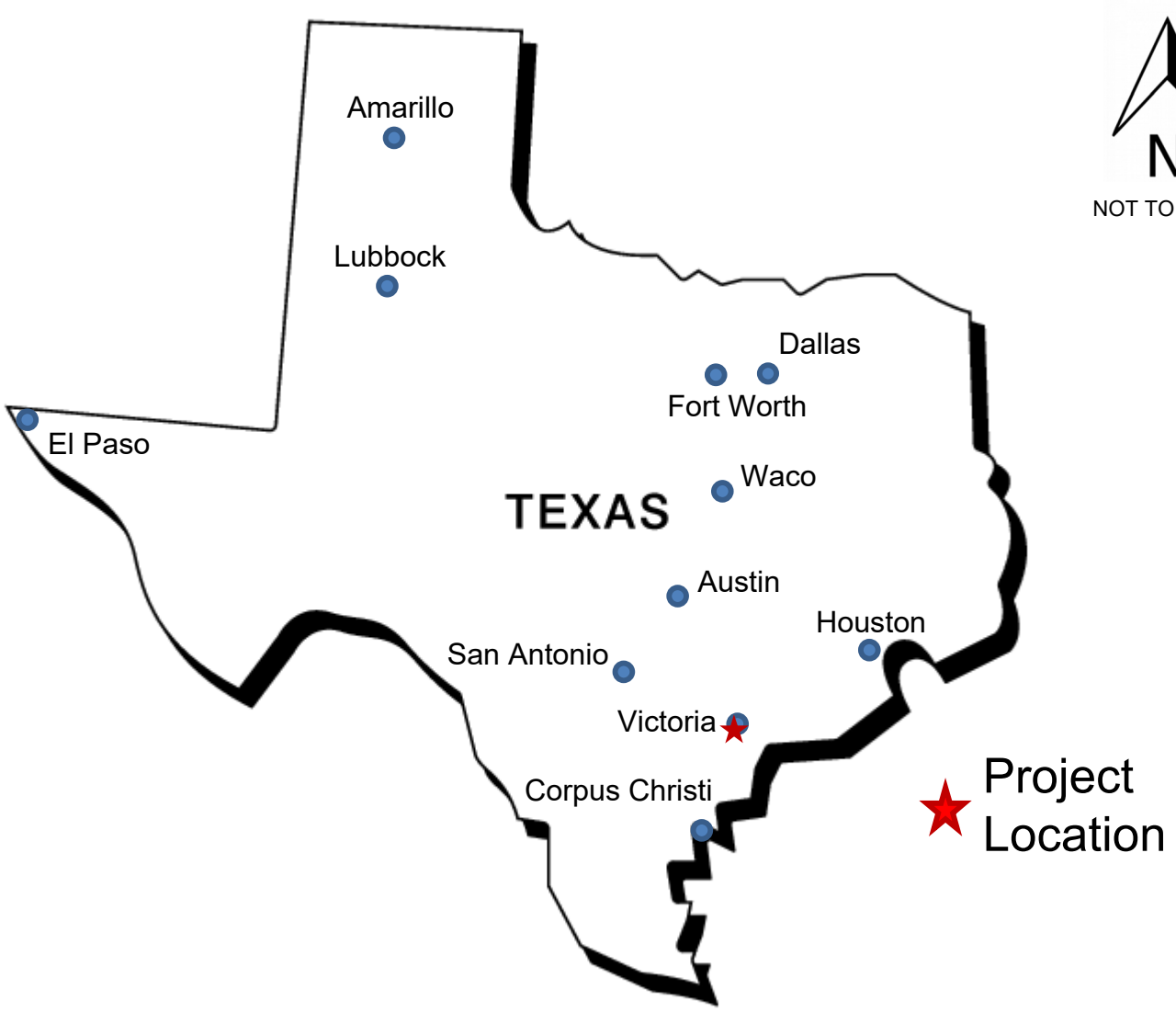
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

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

N/A

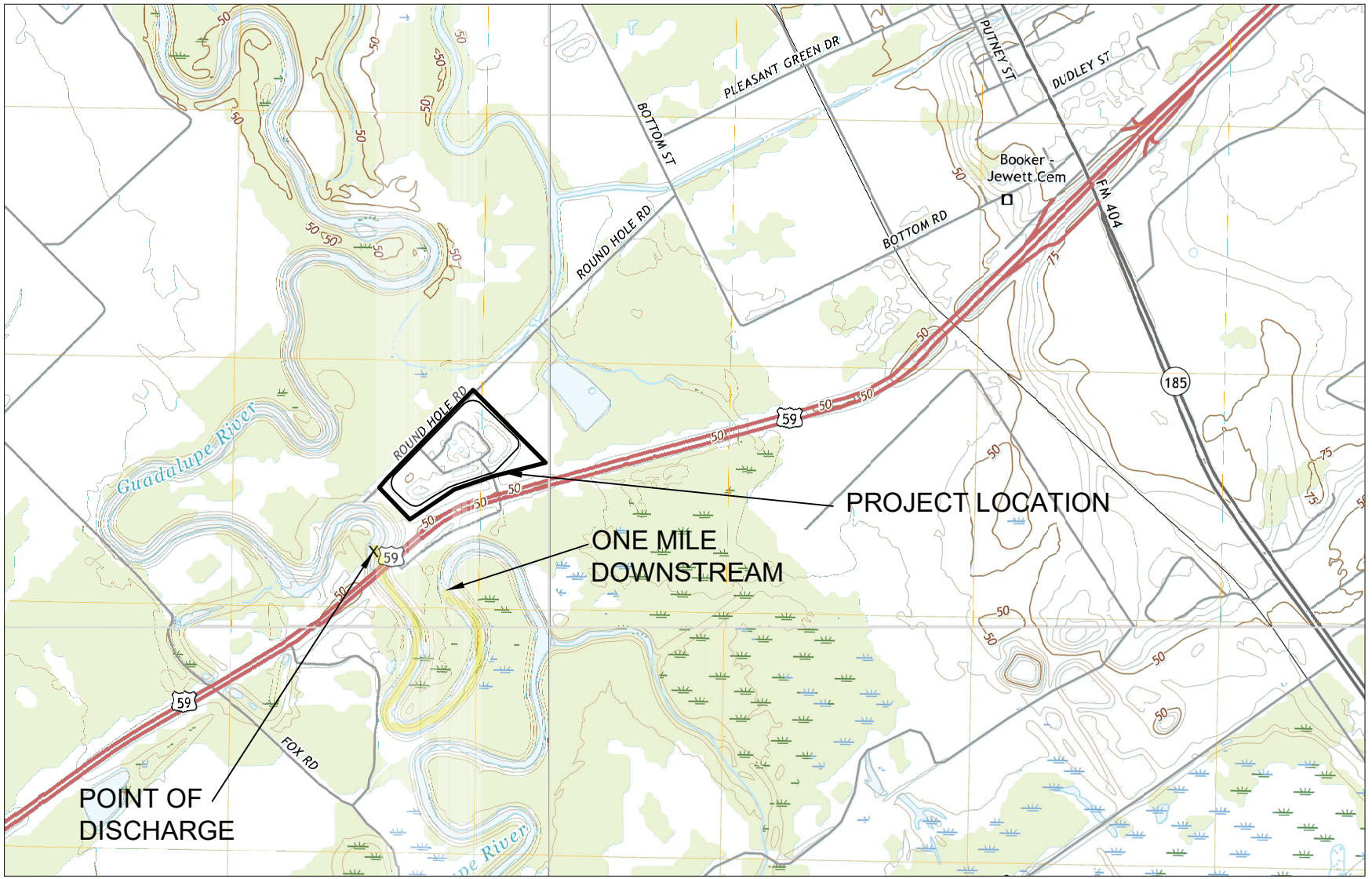
4. Provide a brief history of the property, and name of the architect/builder, if known.

N/A



SPIF-1
CITY OF VICTORIA
VICTORIA REGIONAL WASTEWATER TREATMENT FACILITY
TEXAS POLLUTANT DISHARGE ELIMINATION SYSTEM PERMIT
APPLICATION FOR PERMIT RENEWAL
GENERAL LOCATION MAP

Mead & Hunt



SPIF-2
CITY OF VICTORIA
VICTORIA REGIONAL WASTEWATER TREATMENT FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
USGS MAP

Candice Calhoun

From: Janet Sims <Janet.Sims@meadhunt.com>
Sent: Monday, February 24, 2025 8:27 AM
To: Candice Calhoun; kgill@victoriatx.gov
Cc: Lucia Hernandez; Curtis Davis
Subject: RE: Application to Renew Permit No. WQ0011078001 - Notice of Deficiency
Attachments: TCEQ receipt of application.pdf; Victoria Regional Spanish NORI WQ0011078001.docx

Candice,
Good morning.
My client and I have reviewed your NOD letter that is dated February 21, 2025.
We appreciate your quick review of the application.
Following are our responses to the deficiencies that you identified:

1. The original paper copy of the permit application was hand delivered to your office on February 19th. Attached is the receipt signed by Lisa, which I received for the delivery.
2. USGS Topographic Map: In accordance with the instructions the discharge route is to be highlighted for three stream miles or until it reaches a classified segment. The discharge is directly to a classified segment. Therefore, highlighting the stream is not required.
3. The NORI was reviewed. The volume of treated wastewater authorized in the permit is not described correctly in the portion of the NORI you provided. The permit authorizes the discharge of an annual average flow not to exceed 9,600,000 gallons per day. The permit does not specify a daily average flow. Please revise the first sentence of the NORI to accurately describe the flow that is authorized in the permit.
4. As requested, attached is the Spanish translation of the NORI. The correct description of the authorized flow is presented in the attached document.

If you have any questions or need additional information, please do not hesitate to contact me.
Sincerely,
Janet Sims

Janet Sims
Senior Project Manager | Water/Wastewater
Direct: 512-735-1001 | Cell: 512-695-2468 | Transfer Files
Mead&Hunt
LinkedIn | Facebook | Instagram

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Friday, February 21, 2025 1:53 PM
To: kgill@victoriatx.gov
Cc: Janet Sims <Janet.Sims@meadhunt.com>
Subject: Application to Renew Permit No. WQ0011078001 - Notice of Deficiency
Importance: High

Good afternoon, Mr. Gill,

The attached Notice of Deficiency (NOD) letter dated February 21, 2025, requests additional information needed to declare the application administratively complete. Please send complete response by March 7, 2025.

Please let me know if you have any questions.

Regards,

Candice Courville
License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental Quality
512-239-4312
candice.calhoun@tceq.texas.gov

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: **City of Victoria**

PERMIT NUMBER (If new, leave blank): WQ00 **11078001**

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

	Y	N
Administrative Report 1.0	☒	☐
Administrative Report 1.1	☐	☒
SPIF	☒	☐
Core Data Form	☒	☐
Public Involvement Plan Form	☐	☒
Technical Report 1.0	☒	☐
Technical Report 1.1	☐	☒
Worksheet 2.0	☒	☐
Worksheet 2.1	☐	☒
Worksheet 3.0	☐	☒
Worksheet 3.1	☐	☒
Worksheet 3.2	☐	☒
Worksheet 3.3	☐	☒
Worksheet 4.0	☒	☐
Worksheet 5.0	☒	☐
Worksheet 6.0	☒	☐
Worksheet 7.0	☐	☒

	Y	N
Original USGS Map	☒	☐
Affected Landowners Map	☐	☒
Landowner Disk or Labels	☐	☒
Buffer Zone Map	☐	☒
Flow Diagram	☒	☐
Site Drawing	☒	☐
Original Photographs	☐	☒
Design Calculations	☐	☒
Solids Management Plan	☒	☐
Water Balance	☐	☒

RECEIVED
FEB 19 2025
WATER QUALITY DIVISION
TCEQ

For TCEQ Use Only

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