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

Domestic Wastewater TPDES Renewal application

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 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

The City of Odessa (CN600338354) operates the Bob Derrington Water Reclamation Plant (RN101614261), an activated sludge process plant operated in the complete mix mode. The facility is located at 9600 South County Rd 1325, near the City of Midland, Midland County, Texas 79766.

This application is for a renewal to discharge treated wastewater at a volume not to exceed an annual average flow of 11,000,000 gallons per day.

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 and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

Solicitud de Renovación de TPDES de Aguas Residuales Domésticas

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

La ciudad de Odessa (CN600338354) opera la planta de recuperación de agua Bob Derrington (RN101614261), una planta de procesamiento de lodos activados operada en modo de mezcla completa. La instalación se encuentra en 9600 South County Road 1325, cerca de la ciudad de Midland, Condado de Midland, Texas 79766.

Esta solicitud es para una renovación para descargar aguas residuales tratadas a un volumen que no exceda un flujo promedio anual de 11,000,000 de galones por día.

Se espera que las descargas de la instalación contengan la demanda de oxígeno bioquímico carbonáceo ($CBOD_5$) durante cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH_5-N) y Escherichia coli. Los contaminantes potenciales adicionales se incluyen en el informe Técnico Domestico 1.0, Sección 7. Análisis de contaminantes de efluentes tratados y hoja de trabajo doméstica 4.0 en el paquete de solicitud de permisos. Las aguas residuales domesticas son tratadas por una planta de proceso de lodo activo y las unidades de tratamiento incluyen una pantalla de barra, cuencas de aireación, clarificadores finales, digestores de lodos, una prensa de filtro de correa, cámaras de contacto con cloro y una cámara de descloracion.

Domestic Wastewater TPDES Renewal application

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 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

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This application is for a renewal to discharge treated wastewater at a volume not to exceed an annual average flow of 11,000,000 gallons per day.

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 and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

Solicitud de Renovación de TPDES de Aguas Residuales Domésticas

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La ciudad de Odessa (CN600338354) opera la planta de recuperación de agua Bob Derrington (RN101614261), una planta de procesamiento de lodos activados operada en modo de mezcla completa. La instalación se encuentra en 9600 South County Road 1325, cerca de la ciudad de Midland, Condado de Midland, Texas 79766.

Esta solicitud es para una renovación para descargar aguas residuales tratadas a un volumen que no exceda un flujo promedio anual de 11,000,000 de galones por día.

Se espera que las descargas de la instalación contengan la demanda de oxígeno bioquímico carbonáceo ($CBOD_5$) durante cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH_5-N) y Escherichia coli. Los contaminantes potenciales adicionales se incluyen en el informe Técnico Domestico 1.0, Sección 7. Análisis de contaminantes de efluentes tratados y hoja de trabajo doméstica 4.0 en el paquete de solicitud de permisos. Las aguas residuales domesticas son tratadas por una planta de proceso de lodo activo y las unidades de tratamiento incluyen una pantalla de barra, cuencas de aireación, clarificadores finales, digestores de lodos, una prensa de filtro de correa, cámaras de contacto con cloro y una cámara de descloracion.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0010238002

APPLICATION. City of Odessa, P.O. Box 4398, Odessa, Texas 79760, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010238002 (EPA I.D. No. TX0072800) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 11,000,000 gallons per day. The domestic wastewater treatment facility is located at 9600 South County Road 1325, near the city of Odessa, in Midland County, Texas 79766. The discharge route is from the plant site to Monahans Draw; thence to Midland Draw; thence to Johnson Draw; thence to Mustang Draw; thence to Beals Creek; thence to Colorado River Below Lake J.B. Thomas. TCEQ received this application on December 31, 2024. The permit application will be available for viewing and copying at Midland City Hall, 5th Floor, 300 North Loraine Street, Midland, in Midland 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.

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 Odessa at the address stated above or by calling Mr. Alex Rowlett, Interim Director of Utilities, at 432-335-4632.

Issuance Date: February 6, 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. WQ0010238002

SOLICITUD. Ciudad de Odessa, P.O. Box 4398, Odessa, Texas 79760 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010238002 (EPA I.D. No. TX 0072800) 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 11,000,000 galones por día. La planta está ubicada en el 9600 South County Road 1325, cerca de la ciudad de Odessa, en el Condado de Midland, Texas. La ruta de descarga es del sitio de la planta a Monahands Draw, luego a Midland Draw, de ahi sigue a Johnson Draw, a Mustang Draw luego a Beals Creek luego al Rio Colorado de bajo de el lago JB Thomas. La TCEQ recibió esta solicitud el 31 de diciember de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Midland City Hall, 5 piso, 300 Norte calle Loraine, Midland, en el condado de Midland, 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://www.tceq.texas.gov/permitting/wastewaterpending-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=-102.255277,31.821666&level=18

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

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

que desean recibir avisos de esta solicitud. El aviso dará la fecha límite para someter comentarios públicos.

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

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso.** Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

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

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión. La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y

materiales de calidad del agua que se hayan presentado durante el período de comentarios. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

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

INFORMACIÓN DISPONIBLE EN LÍNEA. Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en www.tceq.texas.gov/goto/cid. Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

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

También se puede obtener información adicional de la Ciudad de Odessa a la dirección indicada arriba o llamando a Alex Rowlett, Director Interino al 432-335-4632.

Fecha de emisión: 6 de febrero de 2025

December 23, 2024

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

Re: Permit No. WQ0010238002 – City of Odessa Bob Derrington Water Reclamation Plant 2024 TCEQ Domestic Wastewater Permit Renewal Application

To Whom it May Concern:

Enclosed is the completed Permit Renewal Application for the above reference permit number. A single original and three copies are included.

Should you have any questions please contact me at 432.335.4632, or by email at mrowlett@odessa-tx.gov.

Sincerely,

Alex Rowlett
Interim Director of Utilities

enclosures

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: City of Odessa

PERMIT NUMBER (If new, leave blank): WQ00 10238002

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: 1570049
Check/Money Order Amount: $2,015.00
Name Printed on Check: City of Odessa

EPAY — Voucher Number: N/A

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: N/A

f. For existing permits:

Permit Number: WQ00 10238002

EPA I.D. (TPDES only): TX 0072800

Expiration Date: 07/02/2025

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?

City of Odessa

(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: 600338354

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: Rowlett, Alex

Title: Interim Director of Utilities Credential:

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:

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: Last Name, First Name:

Title: Credential:

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

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.

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: Rowlett, Alex

Title: Interim Director of Utilities Credential:

Organization Name: City of Odessa

Mailing Address: P.O. Box 4398 City, State, Zip Code: Odessa, Texas, 79760

Phone No.: 432-335-4637 E-mail Address: mrowlett@odessa-tx.gov

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mrs. Last Name, First Name: Looney, Melissa

Title: Wastewater Plant Manager Credential:

Organization Name: City of Odessa

Mailing Address: P.O. Box 4398 City, State, Zip Code: Odessa, Texas 79760

Phone No.: 432-563-2107 E-mail Address: mlooney@odessa-tx.gov

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: Rowlett, Alex

Title: Interim Director of Utilities Credential:

Organization Name: City of Odessa

Mailing Address: P.O. Box 4398 City, State, Zip Code: Odessa, Texas 79760

Phone No.: 432-335-4637 E-mail Address: mrowlett@odessa-tx.gov

B. Prefix: Mrs. Last Name, First Name: Looney, Melissa

Title: Wastewater Plant Manager Credential:

Organization Name: City of Odessa

Mailing Address: P.O. Box 4398 City, State, Zip Code: Odessa, Texas 79760

Phone No.: 432-563-2107 E-mail Address: mlooney@odessa-tx.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: Rowlett, Alex

Title: Interim Director of Utilities Credential:

Organization Name: City of Odessa

Mailing Address: P.O. Box 4398 City, State, Zip Code: Odessa, Texas 79760

Phone No.: 432-335-4637 E-mail Address: mrowlett@odessa-tx.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: Rowlett, Alex

Title: Interim Director of Utilities Credential:

Organization Name: City of Odessa

Mailing Address: P.O. Box 4398 City, State, Zip Code: Odessa, Texas 79760

Phone No.: 432-335-4637 E-mail Address: mrowlett@odessa-tx.gov

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr. Last Name, First Name: Rowlett, Alex

Title: Interim Director of Utilities Credential:

Organization Name: City of Odessa

Mailing Address: P.O. Box 4398 City, State, Zip Code: Odessa, Texas 79760

Phone No.: 432-335-4637 E-mail Address: mrowlett@odessa-tx.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: Rowlett, Alex

Title: Interim Director of Utilities Credential:

Organization Name: City of Odessa

Mailing Address: P.O. Box 4398 City, State, Zip Code: Odessa, Texas 79760

Phone No.: 432-335-4632 E-mail Address: mrowlett@odessa-tx.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: Midland City Hall

Location within the building: 5th Floor

Physical Address of Building: 300 N. Loraine St

City: Midland County: Midland County

Contact (Last Name, First Name): Craigo, Carl

Phone No.: 432-658-7261 Ext.:

E. Bilingual Notice Requirements

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

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

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

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

   ☒ Yes ☐ No

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

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

   ☒ Yes ☐ No

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

   ☐ Yes ☒ No

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

   ☒ Yes ☐ No

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

F. Plain Language Summary Template

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

Attachment:

G. Public Involvement Plan Form

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

Attachment:

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

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. **RN** 101614261

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):

Bob Derrington Water Reclamation Plant

C. Owner of treatment facility: City of Odessa

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

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

Prefix: Last Name, First Name: City of Odessa

Title: Credential:

Organization Name: City of Odessa

Mailing Address: P.O. Box 4398 City, State, Zip Code: Odessa, Texas 79760

Phone No.: 432-335-4637 E-mail Address: mrowlett@odessa-tx.gov

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: Last Name, First Name:

Title: Credential:

Organization Name:

Mailing Address: City, State, Zip Code:

Phone No.: E-mail Address:

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:

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

Prefix: Last Name, First Name:

Title: Credential:

Organization Name:

Mailing Address: City, State, Zip Code:

Phone No.: E-mail Address:

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:

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

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

☒ Yes ☐ No

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

City nearest the outfall(s): Midland, Texas

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

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:

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: Midland, Glascock, Howard, and Mitchell

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☐ No

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

B. City nearest the disposal site:

C. County in which the disposal site is located:

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

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

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

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

☐ Yes ☒ No

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

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

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

Account number:

Amount past due:

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

Enforcement order number:

Amount past due:

Section 13. Attachments (Instructions Page 33)

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

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

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

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

☐ Attachment 1 for Individuals as co-applicants

☐ Other Attachments. Please specify:

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0010238002

Applicant: City of Odessa

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): Alex Rowlett

Signatory title: Interim Director of Utilities

Signature: _____ Date: 12/27/2024

(Use blue ink)

Subscribed and Sworn to before me by the said Dedrette D Poe

on this 27th day of December, 2024.

My commission expires on the 11 day of 20, 2027.

Dedrette Dawn Poe

Notary Public

[SEAL]

Ector

County, Texas

NOTARY PUBLIC STATE OF TEXAS
DEDRETTE DAWN POE
MY COMMISSION EXPIRES
11/20/2027
NOTARY ID: 126433634

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 ODESSA

   Permit No. WQ00 10238002 EPA ID No. TX 0072800

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

   9600 SOUTH COUNTY ROAD 1325, ODESSA, MIDLAND COUNTY, TEXAS 79766

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: ALEX ROWLETT

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

Title: INTERIM DIRECTOR OF UTILITIES

Mailing Address: P.O. BOX 4398

City, State, Zip Code: ODESSA

Phone No.: 432-335-4632 Ext.: Fax No.: 432-335-4698

E-mail Address: MROWLETT@ODESSA-TX.GOV

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

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

To Monahans Draw; thence to Midland Draw, thence to Johnson Draw, thence to Mustang Draw, thence to Beals Creek; thence to the Colorado River below Lake J.B. Thomas in Segment No. 1412 of the Colorado River Basin.

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

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

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

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

- ☐ Sealing caves, fractures, sinkholes, other karst features
- ☐ Disturbance of vegetation or wetlands

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

N/A

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

Water reclamation plant facilities; associated piping systems and discharge point on property to Monahans Draw

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:

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

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 600338354		RN 101614261

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 Odessa

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

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

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 4398

City	State	ZIP	ZIP + 4
Odessa	TX	79760	

16. Country Mailing Information *(if outside USA)*

17. E-Mail Address *(if applicable)*
mrowlett@odessa-tx.gov

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*

(432) 335-4632		(432) 335 4698

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.)*

BOB DERRINGTON WATER RECLAMATION PLANT

23. Street Address of the Regulated Entity: *(No PO Boxes)*	9600 S. COUNTY ROAD 1325							
	City	ODESSAA	**State**	TX	**ZIP**	79766	**ZIP + 4**	
24. County	MIDLAND							

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

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

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. Longitude (W) In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
31	49	18	102	15	19

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.)*

WATER RECLAMATION - TREATMENT OF MUNICIPAL WASTEWATER

34. Mailing Address:	P. O. BOX 4398							
	City	ODESSA	**State**	TX	**ZIP**	79760	**ZIP + 4**	
35. E-Mail Address:	MROWLETT@ODESSA-TX.GOV							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(432) 335-4632		(432) 335-4652

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:
	See Attachment			

SECTION IV: Preparer Information

40. Name:	ALEX ROWLETT	41. Title:	INTERIM DIRECTOR OF UTILITIES

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(432) 335-4632		(432) 335 -4632	MROWLETT@ODESSA-TX.GOV

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 ODESSA	Job Title:	INTERIM DIRECTOR OF UTILITIES
Name *(In Print)*:	ALEX ROWLETT	Phone:	(432) 335-4632
Signature:		Date:	12/27/2024

Attachment to TCEQ Core Data Form

39. TCEQ Programs and ID Numbers

Program	ID Numbers
Waste Water	R10238002
Waste Water	R10238002A
Waste Water	TX0072800
Waste Water	WQ0010238002

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):

2-Hr Peak Flow (MGD):

Estimated construction start date:

Estimated waste disposal start date:

B. Interim II Phase

Design Flow (MGD):

2-Hr Peak Flow (MGD):

Estimated construction start date:

Estimated waste disposal start date:

C. Final Phase

Design Flow (MGD): 11.0

2-Hr Peak Flow (MGD): 35.1

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

D. Current Operating Phase

Provide the startup date of the facility: 01/16/1995

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.**

Bar screen and grit removal; north process is single state nitrification (SSN) activated sludge; south process is extended aeration activated sludge; final clarification, disinfection, filtration, de-chlorination if discharged, otherwise effluent is used in reuse program. Sludge from SSN train receives aerobic digestion; all sludge is dewatered through a belt press and disposed at landfill.

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: 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: N/A
- Longitude: N/A

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

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

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

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

Attachment: ATTACHMENT F

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

The treatment facility serves approximately 85% of the water customers within the City Limits of the City of Odessa, Texas and several areas adjacent to the City Limits of Odessa located in Ector and Midland Counties.

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
Bob Derrington Water Reclamation Plant	City of Odessa	**Publicly Owned**	150,000

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.**

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.

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: Existing Facility – September 15, 1993

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.**

1. City employs Category A licensed chief/managing operator. 2. Agree. 3. Agree. 4. Understood. 5. Agree and Comply. 7. Agree and Comply. 8. Understood.

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.

The Bob Derrington Water Reclamation Plant complies with 30 TAC 309.13€(1)

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.*

D. Grit and grease treatment

1. *Acceptance of grit and grease waste*

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

☐ Yes ☒ No

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

2. *Grit and grease processing*

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

3. *Grit disposal*

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

☐ Yes ☒ No

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

Describe the method of grit disposal.

4. *Grease and decanted liquid disposal*

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

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

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 Q848 or TXRNE

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

☐ Yes ☐ No

3. *Conditional exclusion*

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

☐ Yes ☒ No

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

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.

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.

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.

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

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

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.

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.

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l	12.61	62.20	30	Comp	June 2024
Total Suspended Solids, mg/l	22.6	157	30	Comp	June 2024
Ammonia Nitrogen, mg/l	0.597	5.060	30	Comp	June 2024
Nitrate Nitrogen, mg/l	2.01	5.19	4	Comp	June 2024
Total Kjeldahl Nitrogen, mg/l	16.7	16.7	1	GRAB	Dec 2024
Sulfate, mg/l	331	403	5	Comp	June 2024
Chloride, mg/l	634	668	5	Comp	June 2024
Total Phosphorus, mg/l	3.43	4.27	5	Comp	June 2024
pH, standard units	7.6	8.1	30	GRAB	June 2024
Dissolved Oxygen*, mg/l	6.45	7.22	30	GRAB	June 2024
Chlorine Residual, mg/l	0.05	0.05	30	GRAB	June 2024
E.coli (CFU/100ml) freshwater	2	8	22	GRAB	June 2024
Entercocci (CFU/100ml) saltwater	n/a	n/a	n/a	n/a	n/a
Total Dissolved Solids, mg/l	1738	1827	13	Comp	June 2024
Electrical Conductivity, µmohs/cm, †	2998	3250	4	Comp	June 2024
Oil & Grease, mg/l	<5.0	<5.0	1	GRAB	Dec 2024
Alkalinity ($CaCO_3$)*, mg/l	190	209	5	Comp	June 2024

*TPDES permits only
†TLAP permits only

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

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

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: MELISSA LOONEY

Facility Operator's License Classification and Level: WASTEWATER TREATMENT OPERATOR A

Facility Operator's License Number: WW0060795

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: Permitted Landfill

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.

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	On-Site Owner or Operator	Bulk	831.41		

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

D. Disposal site

Disposal site name: CHARTER WASTE INC

TCEQ permit or registration number: Permit No. 2158

County where disposal site is located: Ector County

E. Transportation method

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

Name of the hauler: City of Odessa

Hauler registration number: 22039

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?

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:
- USDA Natural Resources Conservation Service Soil Map:

  Attachment:
- Federal Emergency Management Map:

  Attachment:
- Site map:

  Attachment:

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

☐ Overlap a designated 100-year frequency flood plain

☐ Soils with flooding classification

☐ Overlap an unstable area

☐ Wetlands

☐ Located less than 60 meters from a fault

☐ None of the above

Attachment:

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:

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.

D. Site development plan

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

Attach the following documents to the application.

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

  Attachment:
- Copy of the closure plan

  Attachment:
- Copy of deed recordation for the site

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

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

  Attachment:
- Procedures to prevent the occurrence of nuisance conditions

  Attachment:

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:

Section 12. Authorizations/Compliance/Enforcement (Instructions

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:

Reuse Authorization No. R10238-002 allowing irrigation and industrial use of effluent.

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:

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:

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: Alex Rowlett

Title: Interim Director of Utilities

Signature: _____

Date: 12/27/2024

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:

Distance and direction to the intake:

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

Attachment:

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:

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).

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).

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: Monahans Draw

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: Intermittent stream without perennial ponds

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.

None

D. Downstream characteristics

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

☐ Yes ☒ No

If yes, discuss how.

E. Normal dry weather characteristics

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

See Attachment H

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:

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 I

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	ND	ND	1	50
Aldrin	ND	ND	1	0.01
Aluminum	32.2	32.2	1	2.5
Anthracene	ND	ND	1	10
Antimony	ND	ND	4	5
Arsenic	1.78	2.47	4	0.5
Barium	99.3	99.3	1	3
Benzene	ND	ND	1	10
Benzidine	ND	ND	1	50
Benzo(a)anthracene	ND	ND	1	5
Benzo(a)pyrene	ND	ND	1	5
Bis(2-chloroethyl)ether	ND	ND	1	10
Bis(2-ethylhexyl)phthalate	ND	ND	1	10
Bromodichloromethane	ND	ND	1	10
Bromoform	ND	ND	1	10
Cadmium	ND	ND	4	1
Carbon Tetrachloride	ND	ND	1	2
Carbaryl	ND	ND	1	5
Chlordane*	ND	ND	1	0.2
Chlorobenzene	ND	ND	1	10
Chlorodibromomethane	ND	ND	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chloroform	ND	ND	1	10
Chlorpyrifos	ND	ND	1	0.05
Chromium (Total)	ND	ND	4	3
Chromium (Tri) (*1)	ND	ND	1	N/A
Chromium (Hex)	ND	ND	1	3
Copper	11.7	22.1	4	2
Chrysene	ND	ND	1	5
p-Chloro-m-Cresol	ND	ND	1	10
4,6-Dinitro-o-Cresol	ND	ND	1	50
p-Cresol	ND	ND	1	10
Cyanide (*2)	ND	ND	1	10
4,4'- DDD	ND	ND	1	0.1
4,4'- DDE	ND	ND	1	0.1
4,4'- DDT	ND	ND	1	0.02
2,4-D	ND	ND	1	0.7
Demeton (O and S)	ND	ND	1	0.20
Diazinon	ND	ND	1	0.5/0.1
1,2-Dibromoethane	ND	ND	1	10
m-Dichlorobenzene	ND	ND	1	10
o-Dichlorobenzene	ND	ND	1	10
p-Dichlorobenzene	ND	ND	1	10
3,3'-Dichlorobenzidine	ND	ND	1	5
1,2-Dichloroethane	ND	ND	1	10
1,1-Dichloroethylene	ND	ND	1	10
Dichloromethane	ND	ND	1	20
1,2-Dichloropropane	ND	ND	1	10
1,3-Dichloropropene	ND	ND	1	10
Dicofol	ND	ND	1	1
Dieldrin	ND	ND	1	0.02
2,4-Dimethylphenol	ND	ND	1	10
Di-n-Butyl Phthalate	ND	ND	1	10
Diuron	ND	ND	1	0.09
Endosulfan I (alpha)	ND	ND	1	0.01
Endosulfan II (beta)	ND	ND	1	0.02

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan Sulfate	ND	ND	1	0.1
Endrin	ND	ND	1	0.02
Ethylbenzene	ND	ND	1	10
Fluoride	2090	2090	1	500
Guthion	ND	ND	1	0.1
Heptachlor	ND	ND	1	0.01
Heptachlor Epoxide	ND	ND	1	0.01
Hexachlorobenzene	ND	ND	1	5
Hexachlorobutadiene	ND	ND	1	10
Hexachlorocyclohexane (alpha)	ND	ND	1	0.05
Hexachlorocyclohexane (beta)	ND	ND	1	0.05
gamma-Hexachlorocyclohexane (Lindane)	ND	ND	1	0.05
Hexachlorocyclopentadiene	ND	ND	1	10
Hexachloroethane	ND	ND	1	20
Hexachlorophene	ND	ND	1	10
Lead	ND	ND	1	0.5
Malathion	ND	ND	1	0.1
Mercury			4	0.005
Methoxychlor	ND	ND	1	2
Methyl Ethyl Ketone	ND	ND	1	50
Mirex	ND	ND	1	0.02
Nickel	11.1	28.5	4	2
Nitrate-Nitrogen	ND	ND	1	100
Nitrobenzene	ND	ND	1	10
N-Nitrosodiethylamine	ND	ND	1	20
N-Nitroso-di-n-Butylamine	ND	ND	1	20
Nonylphenol	ND	ND	1	333
Parathion (ethyl)	ND	ND	1	0.1
Pentachlorobenzene	ND	ND	1	20
Pentachlorophenol	ND	ND	1	5
Phenanthrene	ND	ND	1	10
Polychlorinated Biphenyls (PCB's) (*3)	ND	ND	1	0.2
Pyridine	ND	ND	1	20

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Selenium	ND	ND	4	5
Silver	ND	ND	4	0.5
1,2,4,5-Tetrachlorobenzene	ND	ND	1	20
1,1,2,2-Tetrachloroethane	ND	ND	1	10
Tetrachloroethylene	ND	ND	1	10
Thallium	ND	ND	4	0.5
Toluene	ND	ND	1	10
Toxaphene	ND	ND	1	0.3
2,4,5-TP (Silvex)	ND	ND	1	0.3
Tributyltin (see instructions for explanation)	N/A	N/A	N/A	0.01
1,1,1-Trichloroethane	ND	ND	1	10
1,1,2-Trichloroethane	ND	ND	1	10
Trichloroethylene	ND	ND	1	10
2,4,5-Trichlorophenol	ND	ND	1	50
TTHM (Total Trihalomethanes)	ND	ND	1	10
Vinyl Chloride	ND	ND	1	10
Zinc	ND	ND	4	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: 5/8/24

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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Antimony	ND	ND	4	5
Arsenic	1.78	2.47	4	0.5
Beryllium	ND	ND	4	0.5
Cadmium	ND	ND	4	1
Chromium (Total)	ND	ND	4	3
Chromium (Hex)	ND	ND	1	3
Chromium (Tri) (*1)	ND	ND	1	N/A
Copper	11.7	22.1	4	2
Lead	ND	ND	4	0.5
Mercury	0.0976	0.1553	4	0.005
Nickel	11.1	28.5	4	2
Selenium	ND	ND	4	5
Silver	ND	ND	4	0.5
Thallium	ND	ND	4	0.5
Zinc	23.8	36.2	4	5
Cyanide (*2)	ND	ND	1	10
Phenols, Total	20.2	27.0	4	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	ND	ND	1	50
Acrylonitrile	ND	ND	1	50
Benzene	ND	ND	1	10
Bromoform	ND	ND	1	10
Carbon Tetrachloride	ND	ND	1	2
Chlorobenzene	ND	ND	1	10
Chlorodibromomethane	ND	ND	1	10
Chloroethane	ND	ND	1	50
2-Chloroethylvinyl Ether	ND	ND	1	10
Chloroform	ND	ND	1	10
Dichlorobromomethane [Bromodichloromethane]	ND	ND	1	10
1,1-Dichloroethane	ND	ND	1	10
1,2-Dichloroethane	ND	ND	1	10
1,1-Dichloroethylene	ND	ND	1	10
1,2-Dichloropropane	ND	ND	1	10
1,3-Dichloropropylene [1,3-Dichloropropene]	ND	ND	1	10
1,2-Trans-Dichloroethylene	ND	ND	1	10
Ethylbenzene	ND	ND	1	10
Methyl Bromide	ND	ND	1	50
Methyl Chloride	ND	ND	1	50
Methylene Chloride	ND	ND	1	20
1,1,2,2-Tetrachloroethane	ND	ND	1	10
Tetrachloroethylene	ND	ND	1	10
Toluene	ND	ND	1	10
1,1,1-Trichloroethane	ND	ND	1	10
1,1,2-Trichloroethane	ND	ND	1	10
Trichloroethylene	ND	ND	1	10
Vinyl Chloride	ND	ND	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	ND	ND	1	10
2,4-Dichlorophenol	ND	ND	1	10
2,4-Dimethylphenol	ND	ND	1	10
4,6-Dinitro-o-Cresol	ND	ND	1	50
2,4-Dinitrophenol	ND	ND	1	50
2-Nitrophenol	ND	ND	1	20
4-Nitrophenol	ND	ND	1	50
P-Chloro-m-Cresol	ND	ND	1	10
Pentalchlorophenol	ND	ND	1	5
Phenol	ND	ND	1	10
2,4,6-Trichlorophenol	ND	ND	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	ND	ND	1	10
Acenaphthylene	ND	ND	1	10
Anthracene	ND	ND	1	10
Benzidine	ND	ND	1	50
Benzo(a)Anthracene	ND	ND	1	5
Benzo(a)Pyrene	ND	ND	1	5
3,4-Benzofluoranthene	ND	ND	1	10
Benzo(ghi)Perylene	ND	ND	1	20
Benzo(k)Fluoranthene	ND	ND	1	5
Bis(2-Chloroethoxy)Methane	ND	ND	1	10
Bis(2-Chloroethyl)Ether	ND	ND	1	10
Bis(2-Chloroisopropyl)Ether	ND	ND	1	10
Bis(2-Ethylhexyl)Phthalate	ND	ND	1	10
4-Bromophenyl Phenyl Ether	ND	ND	1	10
Butyl benzyl Phthalate	ND	ND	1	10
2-Chloronaphthalene	ND	ND	1	10
4-Chlorophenyl phenyl ether	ND	ND	1	10
Chrysene	ND	ND	1	5
Dibenzo(a,h)Anthracene	ND	ND	1	5
1,2-(o)Dichlorobenzene	ND	ND	1	10
1,3-(m)Dichlorobenzene	ND	ND	1	10
1,4-(p)Dichlorobenzene	ND	ND	1	10
3,3-Dichlorobenzidine	ND	ND	1	5
Diethyl Phthalate	ND	ND	1	10
Dimethyl Phthalate	ND	ND	1	10
Di-n-Butyl Phthalate	ND	ND	1	10
2,4-Dinitrotoluene	ND	ND	1	10
2,6-Dinitrotoluene	ND	ND	1	10
Di-n-Octyl Phthalate	ND	ND	1	10
1,2-Diphenylhydrazine (as Azo-benzene)	ND	ND	1	20
Fluoranthene	ND	ND	1	10
Fluorene	ND	ND	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Hexachlorobenzene	ND	ND	1	5
Hexachlorobutadiene	ND	ND	1	10
Hexachlorocyclo-pentadiene	ND	ND	1	10
Hexachloroethane	ND	ND	1	20
Indeno(1,2,3-cd)pyrene	ND	ND	1	5
Isophorone	ND	ND	1	10
Naphthalene	ND	ND	1	10
Nitrobenzene	ND	ND	1	10
N-Nitrosodimethylamine	ND	ND	1	50
N-Nitrosodi-n-Propylamine	ND	ND	1	20
N-Nitrosodiphenylamine	ND	ND	1	20
Phenanthrene	ND	ND	1	10
Pyrene	ND	ND	1	10
1,2,4-Trichlorobenzene	ND	ND	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	ND	ND	1	0.01
alpha-BHC (Hexachlorocyclohexane)	ND	ND	1	0.05
beta-BHC (Hexachlorocyclohexane)	ND	ND	1	0.05
gamma-BHC (Hexachlorocyclohexane)	ND	ND	1	0.05
delta-BHC (Hexachlorocyclohexane)	ND	ND	1	0.05
Chlordane	ND	ND	1	0.2
4,4-DDT	ND	ND	1	0.02
4,4-DDE	ND	ND	1	0.1
4,4,-DDD	ND	ND	1	0.1
Dieldrin	ND	ND	1	0.02
Endosulfan I (alpha)	ND	ND	1	0.01
Endosulfan II (beta)	ND	ND	1	0.02
Endosulfan Sulfate	ND	ND	1	0.1
Endrin	ND	ND	1	0.02
Endrin Aldehyde	ND	ND	1	0.1
Heptachlor	ND	ND	1	0.01
Heptachlor Epoxide	ND	ND	1	0.01
PCB-1242	ND	ND	1	0.2
PCB-1254	ND	ND	1	0.2
PCB-1221	ND	ND	1	0.2
PCB-1232	ND	ND	1	0.2
PCB-1248	ND	ND	1	0.2
PCB-1260	ND	ND	1	0.2
PCB-1016	ND	ND	1	0.2
Toxaphene	ND	ND	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.

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.

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

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

Grab ☐ Composite ☐

Date and time sample(s) collected:

Table 4.0(2)F – Dioxin/Furan Compounds

Compound	Toxic 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:

48-hour Acute: 16

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.

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
3/24/21	D. Pulex/P.Promelas	100%	
6/16/21	D. Pulex/P.Promelas	100%	
8/18/21	D. Pulex/P.Promelas	100%	
12/15/21	D. Pulex/P.Promelas	100%	
3/2/22	D. Pulex/P.Promelas	100%	
6/22/22	D. Pulex/P.Promelas	100%	
8/31/22	D. Pulex/P.Promelas	100%	
11/30/22	D. Pulex/P.Promelas	100%	
3/1/23	D. Pulex/P.Promelas	100%	
5/24/23	D. Pulex/P.Promelas	100%	
8/30/23	D. Pulex/P.Promelas	100%	
11/29/23	D. Pulex/P.Promelas	100%	
3/20/24	D. Pulex/P.Promelas	100%	
6/12/24	D. Pulex/P.Promelas	100%	
8/14/24	D. Pulex/P.Promelas	100%	
10/30/24	D. Pulex/P.Promelas	75%	

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

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

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: 1

Average Daily Flows, in MGD: 0.0000807

Significant IUs - non-categorical:

Number of IUs: 2

Average Daily Flows, in MGD: 0.29370

Other IUs:

Number of IUs: 36

Average Daily Flows, in MGD: 0.49050

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.

3/24/21 - Nextier, 8200 E. I-20, was given a Notice of Violation for High levels of Zinc found in their sandtrap.

10/11/24 - Compositor was set up at Nextier and both sandtraps were full of oil in all chambers. During the sample inspection our inspector noticed the business discharging oil into the potw. This caused a major upset at our wastewater plant.

1-19/24 - Nov was given to Nextier to high zinc levels.

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.

3/24/21 - Nextier, 8200 E. I-20, was given a Notice of Violation for High levels of Zinc found in their sandtrap.

10/11/24 - Compositor was set up at Nextier and both sandtraps were full of oil in all chambers. During the sample inspection our inspector noticed the business discharging oil into the potw. This caused a major upset at our wastewater plant.

1-19/24 - Nov was given to Nextier to high zinc levels.

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.

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.

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 J				

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.

Section 3. Significant Industrial User (SIU) Information and

Categorical Industrial User (CIU) (Instructions Page 90)

A. General information

Company Name: See attachment K

SIC Code:

Contact name:

Address:

City, State, and Zip Code:

Telephone number:

Email address:

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).

Attachment K

C. Product and service information

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

Attachment K

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: Attachment K

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: Attachment K

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Category: Subcategories:

Click or tap here to enter text.

Category:

Subcategories:

Category:

Subcategories:

Category:

Subcategories:

Category:

Subcategories:

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.

ATTACHMENT A

COPY OF WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

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

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP **Waste Permit No:** WQ0010023800 2

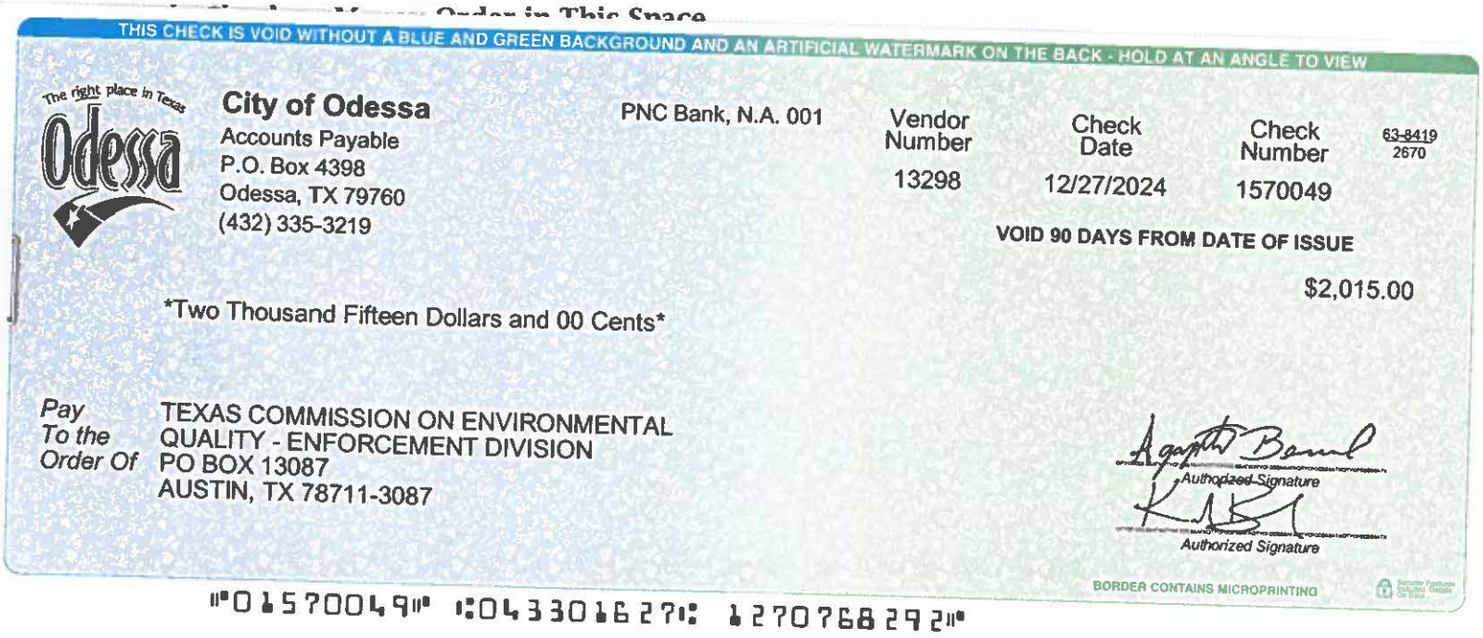
1. Check or Money Order Number: 1570049
2. Check or Money Order Amount: $2,015.00
3. Date of Check or Money Order: 12/27/2024
4. Name on Check or Money Order: City of Odessa
5. APPLICATION INFORMATION

   Name of Project or Site: Bob Derrington Water Reclamation Plant

   Physical Address of Project or Site: 9600 South County Road 1325, Odessa, Texas 79766

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

Staple Check or Money Order in This Space


THIS CHECK IS VOID WITHOUT A BLUE AND GREEN BACKGROUND AND AN ARTIFICIAL WATERMARK ON THE BACK - HOLD AT AN ANGLE TO VIEW

The right place in Texas Odessa

City of Odessa
Accounts Payable
P.O. Box 4398
Odessa, TX 79760
(432) 335-3219

PNC Bank, N.A. 001

Vendor Number	Check Date	Check Number
13298	12/27/2024	1570049

63-8419 2670

VOID 90 DAYS FROM DATE OF ISSUE

$2,015.00

Two Thousand Fifteen Dollars and 00 Cents

Pay To the Order Of
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY - ENFORCEMENT DIVISION
PO BOX 13087
AUSTIN, TX 78711-3087

Authorized Signature

Authorized Signature

BORDER CONTAINS MICROPRINTING

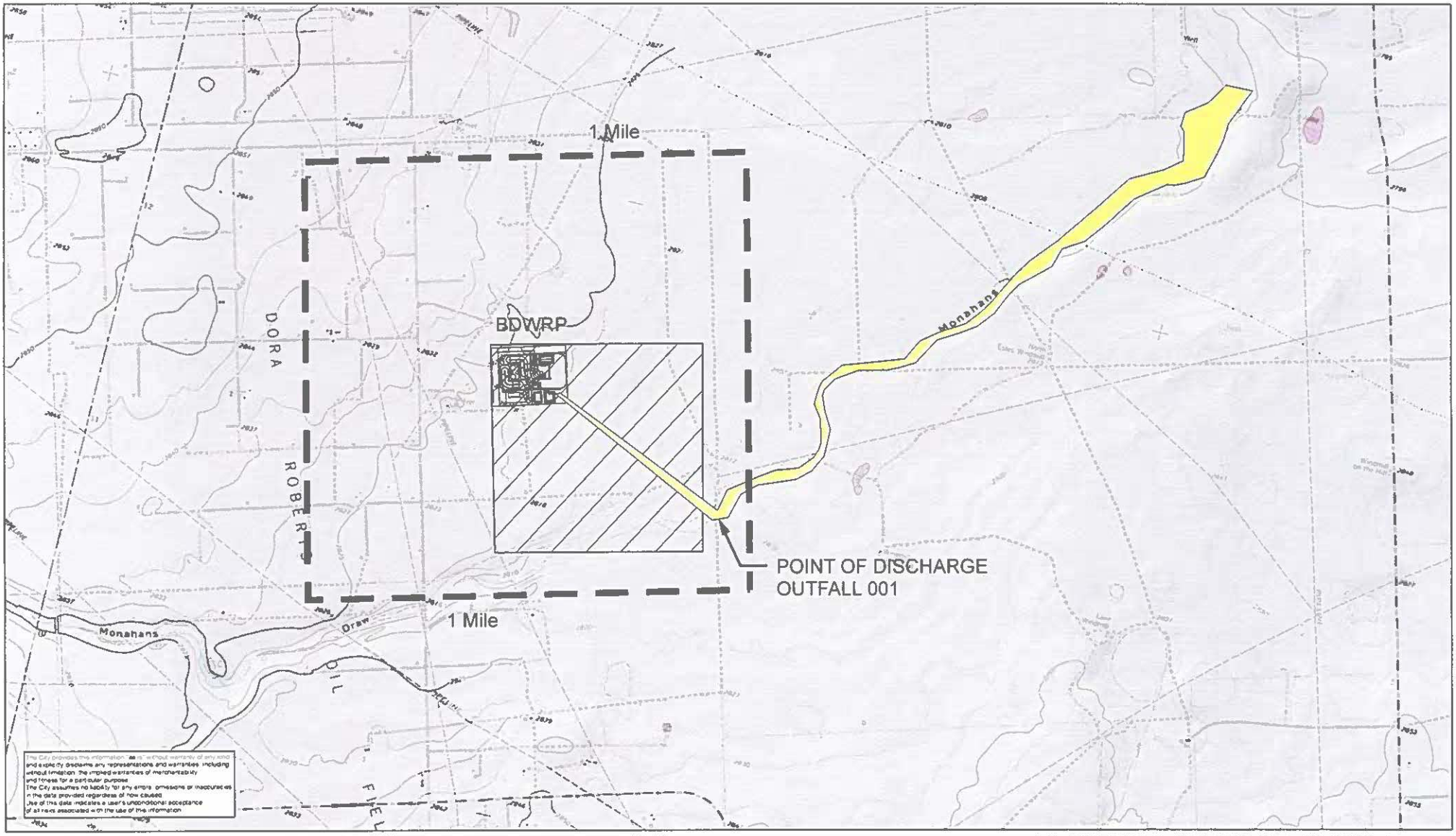
⑈0157004 9⑈ ⑆043301627⑆ 1270768292⑈

ATTACHMENT B

USGS TOPOGRAPHIC MAP

DOMESTIC ADMINISTRATIVE REPORT 1.0

SECTION 13, PAGE 10



Site Location: Latitude = 31.82066
Longitude = -102.257473

2,500 1,250 0 2,500 Feet

Map Sources: USGS Maps from TNRIS Website using ARCGIS software to prepare.

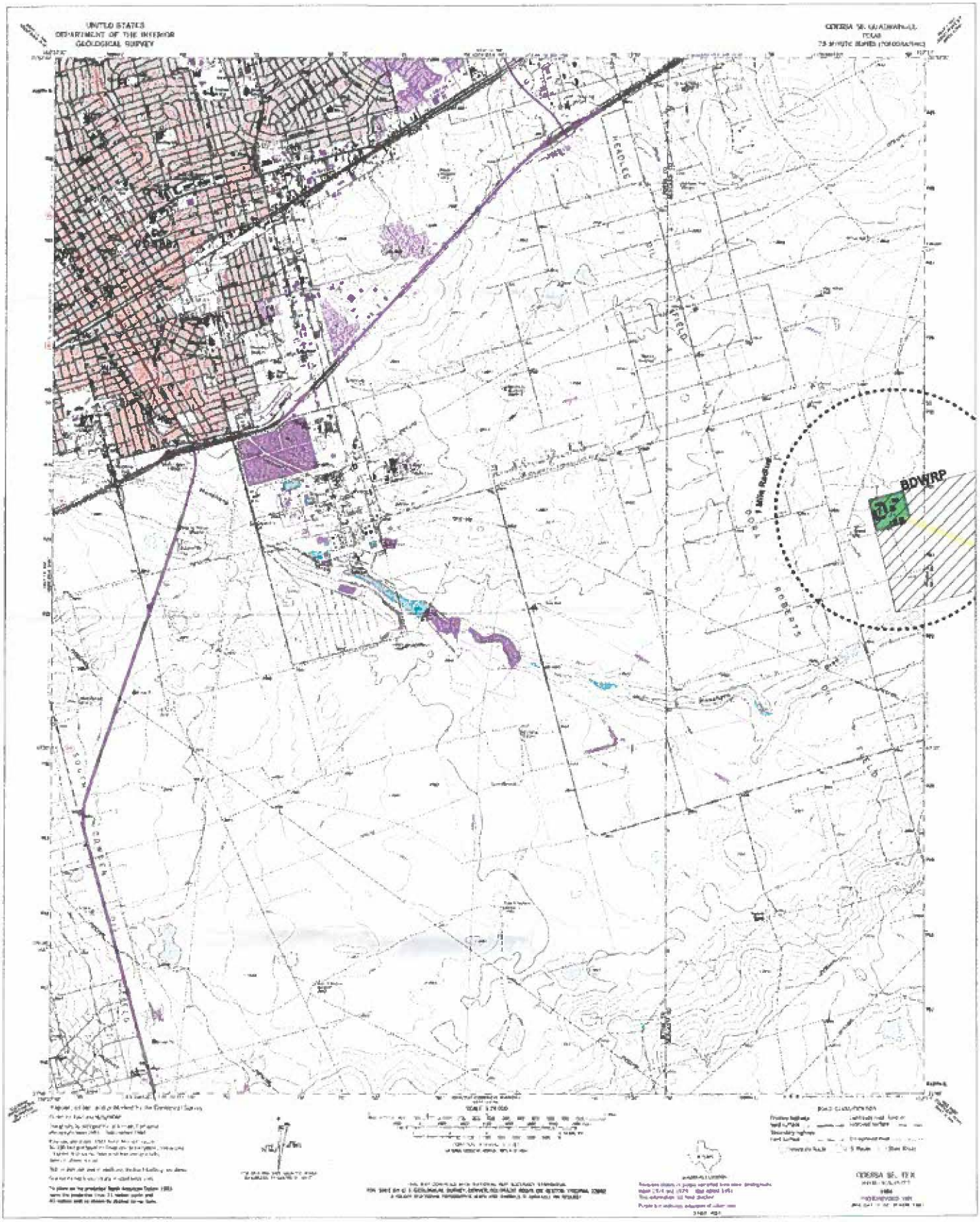
USGS Maps: Odessa SE; Parks NW

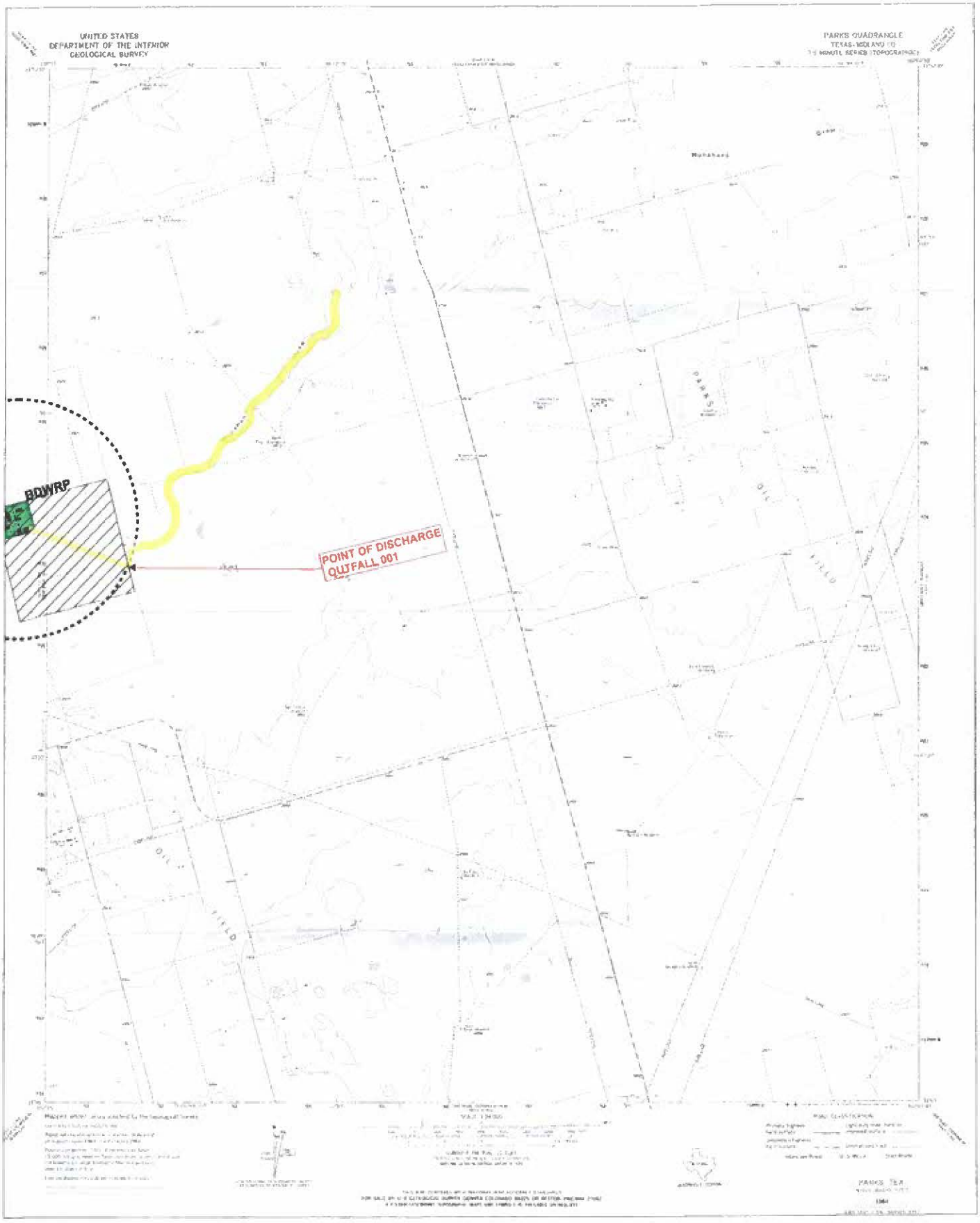
N W E S

ATTACHMENT C

7.5-MINUTE USGS MAP

SECTION 13, PAGE 10


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CORPUS CHRISTI QUADRANGLE
TEXAS
7.5 MINUTE SERIES (TOPOGRAPHIC)
HEADLEE
3 Mile Radius
BDWRP


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
PARKS QUADRANGLE
TEXAS-MIDLAND CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
BDWRP
POINT OF DISCHARGE
OUTFALL 001
OIL FIELD
PARKS TEX.
1964

ATTACHMENT D

TREATMENT UNITS AND DIMENSIONS

DOMESTIC TECHNICAL REPORT 1.0

SECTION 2(B), PAGE 2

PLANT TREATMENT UNITS

CITY OF ODESSA, TEXAS
BOB DERRINGTON WATER RECLAMATION PLANT

Description	Quantity	Capacity	Comments
Bar Screens	2	50 MGD total	1/4" openings
Parshall flume	1	65 MGD	4' - 0" Parshall Flume
Grit Removal Units	2	40 MGD	Peak Flow Capacity (16' DIA)
Peak Flow Storage Basin	1	3.5 MG. Vol.	Reduce Peak Flow 40.7 to 28 MGD through plant
Aeration Units			
South	1	5.4 MGD	4.85 MG Vol. Ext. Aer., 13.2 #/dBOD/1000CF
North	1	7.3 MGD	3.76 MG. Vol. SSN. 23#/dBOD/1000CF
Air Supply - Rotors			
South	12	5.7 MGD	50hp Ea.
North	14	7.3 MGD	50hp Ea.
Final Clarifiers			538GPD/SF@Q_{PK}
South	2	5.4 MGD	115' DIA X 10' SWD, 250GPD/SF@Q_D
North	2	7.3 MGD	110' DIA X 14' SWD, 467GPD/SF@Q_D 1029GPD/SF@Q_{PK}
RAS pumps			
South	2	6.3 MGD	Firm capacity
North	5	8.2 MGD	
Chlorine Contact Basin			
South	1	17.9 MGD	65' DIA X 10'SWD
North	2	17.2 MGD	25' X 80' X 8' Ea. Peak Flow Capacity
Filters			
South	4	5.4 MGD	10' X 40' Ea., Deep Bed, 2.3 gpm/SF
North	3	7.3 MGD	10' X 40' Ea., Deep Bed, 4.2 gpm/SF
Relift Pumps			
South	3	11.4 MGD	Firm capacity
North	3	12 MGD	Firm capacity
Post Aeration	1	900#/d O_2 with 6 mixers	
Dechlorination Channel	1	28 MGD	
Belt Press	2	1500#/hr Ea.	2 meter
Aerobic Digester for SSN	1	1.12 MG.Vol.	3 @ 50hp aerator, 15 day SRT@3.2% solids
Sludge Holding Tank	1	0.24 MG	50' DIA X 16' SWD, 2 Days Storage @Q_D
Return Flow Clarifier	1	1.47 MGD	70' DIA X 12' SWD Flocculation Clarifier

Note: Reuse Pumps and Basin Not Listed

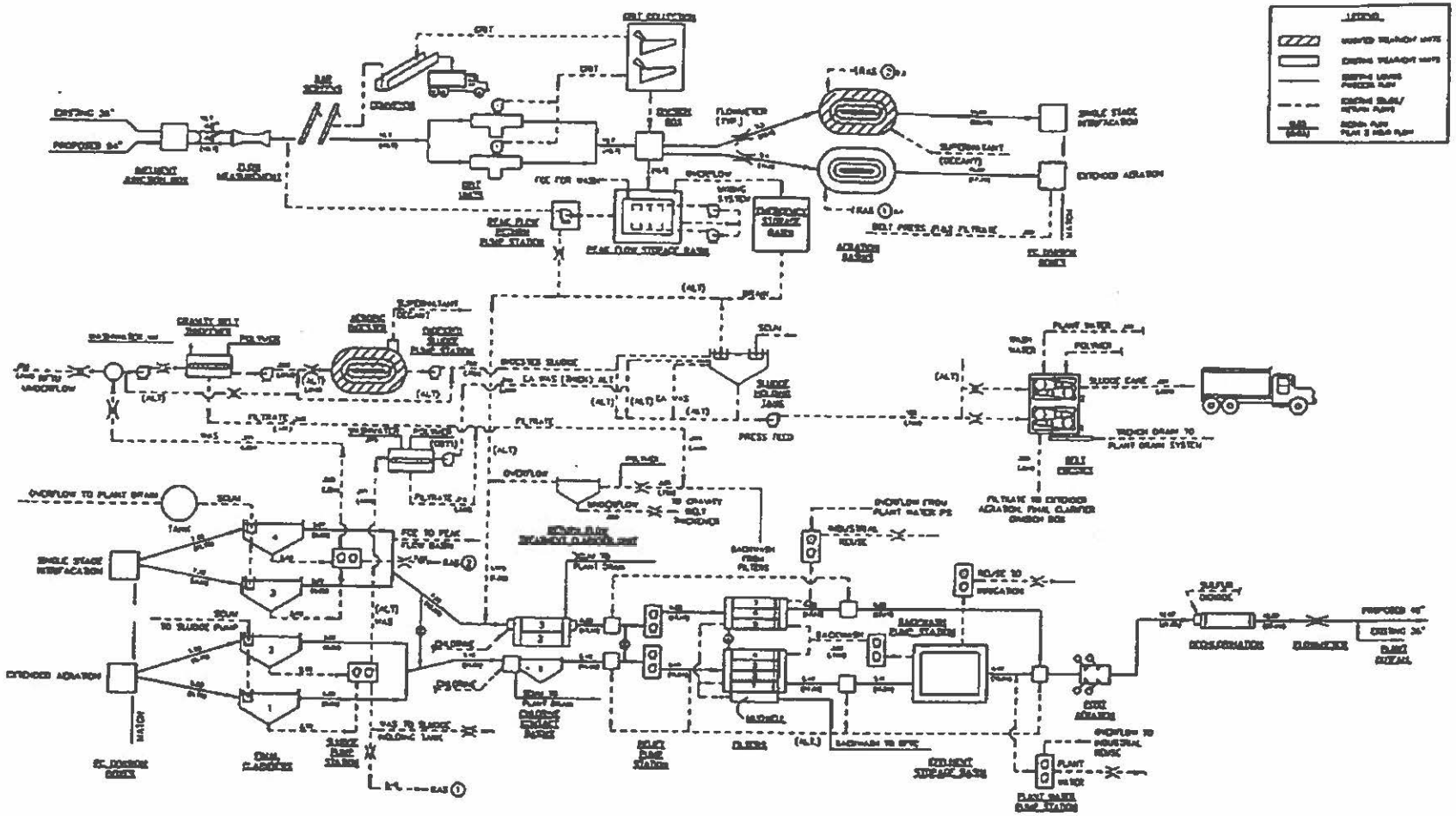
ATTACHMENT E

PROCESS FLOW DIAGRAM

DOMESTIC TECHNICAL REPORT 1.0

SECTION 2(C), PAGE 2

ALAN PLUMMER ASSOCIATES, INC.



PROCESS FLOW DIAGRAM
BOB DERRINGTON WATER RECLAMATION PLANT
PERMIT APPLICATION

ATTACHMENT F

SITE DRAWING

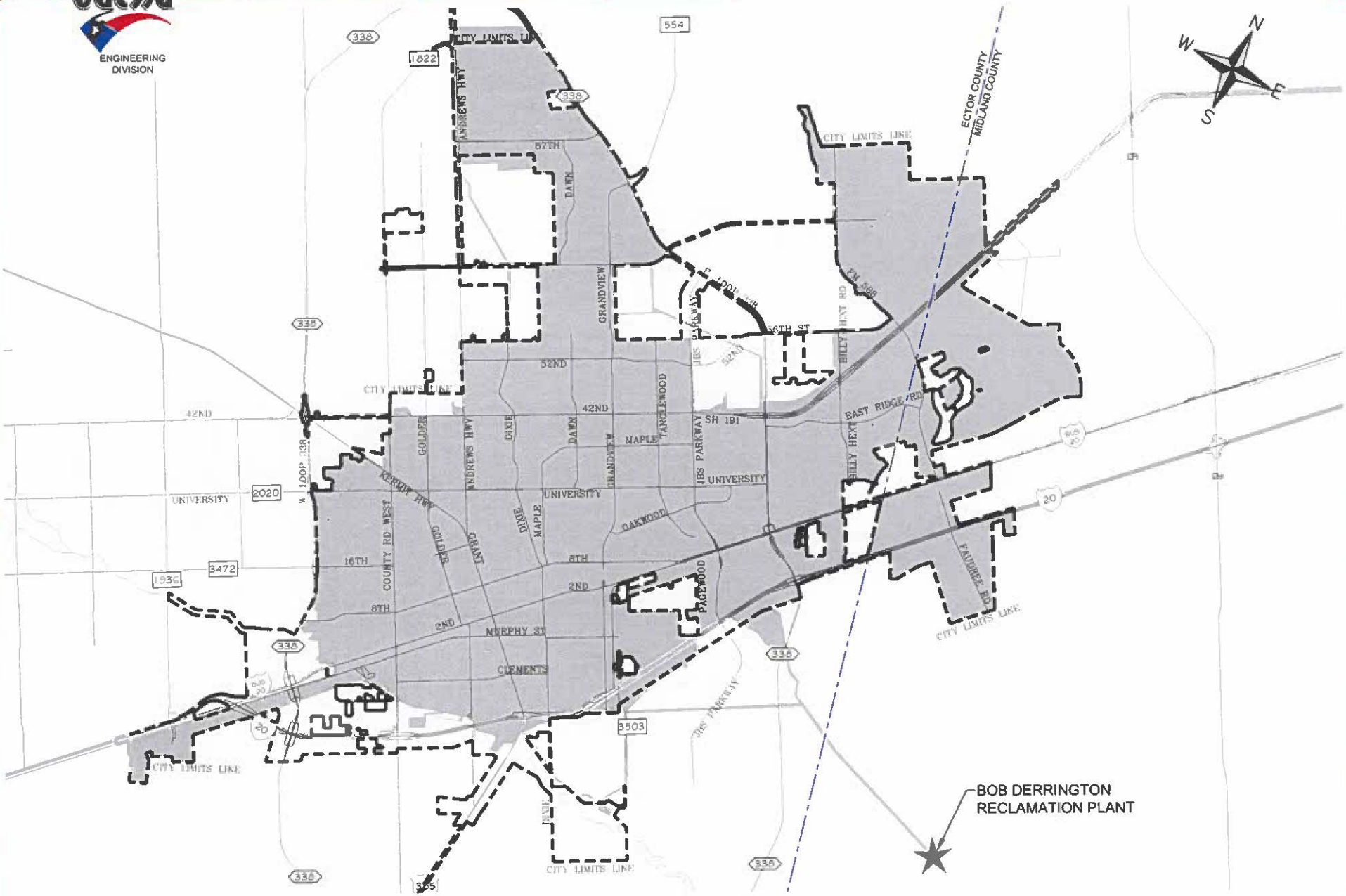
DOMESTIC TECHNICAL REPORT 1.0

SECTION 3, PAGE 2

The right place in Texas

Odessa

ENGINEERING DIVISION



CITY OF ODESSA SEWER SERVICE AREA

DATE: May. 2019
SCALE: N.T.S
FILE: 2019EN015

ATTACHMENT G

POLLUTANT ANALYSIS OF TREATED EFFLUENT

DOMESTIC TECHNICAL REPORT 1.0

SECTION 7, PAGE 10

CBOD mg/L

Lab Results

DERRINGTON PLANT
June 2024

		BOD mg/L					CBOD mg/L		
Date	RAW	DITCH INF	FINAL EFFLUENT	DITCH 1 CB	DITCH 1 FE	FINAL EFFLUENT	DITCH 2 CB	DITCH 2 FE
1						9.45		
2	247		9.02			7.00		2.68
3	204	174	8.05	22.2	9.43	6.11	4.13	1.75
4	201		4.63			4.26		1.58
5	245		17.7			17.7		2.35
6	224		10.8			11.0		1.91
7						3.59		
8						4.43		
9	237		23.5			19.2		1.24
10	262	207	5.81	39.7	23.1	4.51	3.23	1.11
11	205		5.74			4.45		1.00
12	243		30.1			22.7		0.994
13	272		8.89			6.72		0.832
14						19.3		
15						24.9		
16	247		30.0			24.5		5.56
17	251	206	44.9	23.1	31.2	40.0	2.72	1.11
18	255		74.9			62.2		0.859
19	199		5.71			4.28		1.58
20	253		14.3			13.2		1.83
21						10.5		
22						3.73		
23	278		6.02			4.20		1.43
24	277	320	6.78	55.8	48.7	4.06	2.62	1.00
25	210		4.05			3.13		1.43
26	256		5.84			5.11		1.67
27	211		9.83			9.69		1.38
28						13.8		
29						4.74		
30	224		8.71			9.86		1.53
31								
Total	5001	907	335.3	140.8	112.43	378.3	12.70	34.8
Avg	238	227	15.97	35.20	28.11	12.61	3.18	1.66
Max	278	320	74.90	55.80	48.70	62.20	4.13	5.56
Min	199	174	4.05	22.20	9.43	3.13	2.62	0.83

Total Suspended Solids, mg/l

Lab Results

DERRINGTON PLANT
June 2024

TSS
mg/L

Date	RAW	DITCH INF	DITCH 1 CB	DITCH 1 FILTER	FINAL EFFLUENT	DITCH 1 OUTSIDE	DITCH 1 RS	SHT	DITCH 2 OUTSIDE	DITCH 2 RS	DITCH 2 CB	DITCH 2 FILTER
1					25.0							
2	90.7				16.1							
3	153	109	35.8	22.0	11.0	1733	7500		3150	7500	6.10	1.80
4	130				14.9							
5	185				21.0			11900				
6	159				15.4			10600				
7					7.00			11100				
8					10.1							
9	196				35.9			10300				
10	204	316	103	46.1	9.60	2000	9400	11100	3125	9400	9.83	1.90
11	180				7.80							
12	182				35.7							
13	156				9.80							
14					16.0							
15					30.4							
16	190				40.0							
17	154	148	73.3	82.0	100	2340	12600		3300	7600	7.40	0.700
18	256				157							
19	182				6.25							
20	178				20.0							
21					12.4							
22					4.40							
23	156				6.80							
24	208	520	144	102	6.50	2367	13800		3033	6200	6.93	1.10
25	180				4.93							
26	212				6.83							
27	204				7.60							
28					19.4							
29					6.80							
30	208				15.2							
31												
Total	3764	1093	356.1	252.10	679.8	8440	43300	55000	12608	30700	30.3	5.50
Avg	179	273	89.0	63.03	22.66	2110	10825	11000	3152	7675	7.57	1.38
Max	256	520	144.0	102.00	157.00	2367	13800	11900	3300	9400	9.83	1.90
Min	90.7	109	35.8	22.00	4.40	1733	7500	10300	3033	6200	6.10	0.70

Ammonia-Nitrogen, mg/l

Lab Results

DERRINGTON PLANT
June 2024

AMMONIA
mg/L

Date	RAW	DITCH INF	DITCH 1 OUTSIDE	DITCH 1 FE	DITCH 2 OUTSIDE	DITCH 2 FE	FINAL EFFLUENT
1							5.06
2							2.15
3	27.2	26.1	22.8	11.6	0.689	0.791	1.10
4							1.42
5							0.626
6							0.506
7							0.052
8							0.250
9							0.184
10	31.8	29.9	26.6	16.7	1.16	0.302	0.198
11							0.205
12							0.306
13							0.267
14							0.258
15							0.243
16							0.210
17	30.4	28.7	28.8	18.7	1.29	0.215	0.227
18							0.199
19							0.435
20							0.296
21							0.398
22							0.723
23							0.830
24	33.8	35.0	31.7	31.2	0.910	0.241	0.307
25							0.431
26							0.237
27							0.241
28							0.064
29							0.434
30							0.046
31							
Total	123	120	109.9	78.20	4.0	1.549	17.903
Avg	30.8	29.9	27.475	19.550	1.01	0.387	0.597
Max	33.8	35.0	31.70	31.200	1.29	0.791	5.060
Min	27.2	26.1	22.80	11.600	0.689	0.215	0.046

Nitrate-Nitrogen, mg/l

Lab Results

DERRINGTON PLANT
June 2024

NITRATE
mg/L

Date	DITCH 1 OUTSIDE	DITCH 1 FE	DITCH 2 OUTSIDE	DITCH 2 FE	FINAL EFFLUENT
1					
2					
3	0.153	0.296	0.195	0.491	0.270
4					
5					
6					
7					
8					
9					
10	0.144	0.916	1.28	2.69	1.59
11					
12					
13					
14					
15					
16					
17	0.138	1.95	4.19	4.87	1.00
18					
19					
20					
21					
22					
23					
24	0.147	0.148	5.55	5.97	5.19
25					
26					
27					
28					
29					
30					
31					
TOTAL	0.58	3.3	11.22	14.0	8.1
AVG	0.15	0.83	2.80	3.51	2.01
MAX	0.15	1.95	5.55	5.97	5.19
MIN	0.14	0.15	0.20	0.49	0.27

Total Kjeldahl-Nitrogen, mg/l

Lab Results

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

Project
1129593

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Printed 12/20/2024
14:12

TABLE OF CONTENTS

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

Report Name	Description	Pages
1129593_r02_01_ProjectSamples	SPL Kilgore Project P:1129593 C:ODES Project Sample Cross Reference t:304	1
1129593_r03_03_ProjectResults	SPL Kilgore Project P:1129593 C:ODES Project Results t:304 PO: 22201773 - 01	2
1129593_r10_05_ProjectQC	SPL Kilgore Project P:1129593 C:ODES Project Quality Control Groups	1
1129593_r99_09_CoC__1_of_1	SPL Kilgore CoC ODES 1129593_1_of_1	2
	Total Pages:	6

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

SAMPLE CROSS REFERENCE

Project
1129593

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Sample	Sample ID	Taken	Time	Received
2366169	*EFFLUENT*	12/13/2024	13:00:00	12/18/2024

Bottle 01 8 oz Plastic H2SO4 pH < 2
Bottle 02 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1152871) Volume: 20.00000 mL <== Derived from 01 (20 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 351.2 2	02	1152871	12/19/2024	1153144	12/20/2024

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

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1129593

Printed: 12/20/2024

RESULTS

Sample Results

2366169 EFFLUENT — Received: 12/18/2024

Non-Potable Water — Collected by: Client — City of Odessa — PO: 22201773 - 01
Taken: 12/13/2024 13:00:00

EPA 351.2 2 — Prepared: 1152871 12/19/2024 08:23:48 — Analyzed 1153144 12/20/2024 07:23:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Kjeldahl Nitrogen	16.7	mg/L	0.100		7727-37-9	02

Sample Preparation

2366169 EFFLUENT — Received: 12/18/2024

22201773 - 01

12/13/2024

Prepared: 12/18/2024 19:30:43 — Calculated 12/18/2024 19:30:43 CAL

z	Environmental Fee (per Project)	Verified						

EPA 351.2, Rev 2.0 — Prepared: 1152871 12/19/2024 08:23:48 — Analyzed 1152871 12/19/2024 08:23:48 MEG

NELAC	TKN Block Digestion	20/20	ml					01

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

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ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1129593

Printed: 12/20/2024

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

SPL The Science of Sure

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1129593

Printed 12/20/2024

Analytical Set 1153144

EPA 351.2 2

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Kjeldahl Nitrogen	1152871	ND	0.00712	0.050	mg/L	127148791

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.20	5.00	mg/L	104	90.0 - 110	127148790
Total Kjeldahl Nitrogen	5.21	5.00	mg/L	104	90.0 - 110	127148793
Total Kjeldahl Nitrogen	5.25	5.00	mg/L	105	90.0 - 110	127148804
Total Kjeldahl Nitrogen	5.21	5.00	mg/L	104	90.0 - 110	127148814
Total Kjeldahl Nitrogen	5.21	5.00	mg/L	104	90.0 - 110	127148819

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Kjeldahl Nitrogen	2365812	ND	ND	mg/L		20.0
Total Kjeldahl Nitrogen	2366194	0.206	0.174	mg/L	16.8	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.28	5.00	mg/L	106	90.0 - 110	127148789

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Total Kjeldahl Nitrogen	1152871	5.21	4.76	5.00	90.0 - 110	104	95.2	mg/L	9.03	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File	
Total Kjeldahl Nitrogen	2365812	-0.318	ND	5.00	mg/L	0	80.0 - 120	127148797	*
Total Kjeldahl Nitrogen	2366194	4.40	0.174	5.00	mg/L	84.5	80.0 - 120	127148800	

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

1129593 CoC Print Group 001 of 001

SPL ANA-LAB CORP. THE COMPLETE SERVICE LAB

Shipping: 2600 Dudley Rd Kilgore, TX 75662 903.984.0551 www.ana-lab.com

Mailing: P O Box 9000 Kilgore, TX 75663 Fax: 903.984.5914 e-mail: corp@ana-lab.com

Chain of Custody

Panhandle 806.355.3656 | Oklahoma 405.590.2533 | North Texas 972.837.9412 | Central Texas 512.821.0045 | Rio Grand Valley 956.831.6437 | Louisiana 318.219.9300 | Gulf Coast 281.333.9414

Report To: Jason Wells
Company Name: City of Odessa
Address: 817 W. 42nd St
City: Odessa State: TX Zip: 79764
Phone: 432-368-3576 For e-mail: jwells@odessa-tx-gov
Sampler Signature: [signature] Printed Name: Charles Wright Affiliation: DWRP

Project Name/Location: Odessa Permit Renewal
Billing Address (if different):
City: State: Zip:
Phone: Fax:
PO Number: 22500036

Analysis Requested: TKN

Lab Number Do Not Use	Field Identification	Date	Time	Matrix	# of Containers	Notes	TKN
2366169	Effluent	12/16/24	1300	WW	1	250mL, H_2SO_4	✓

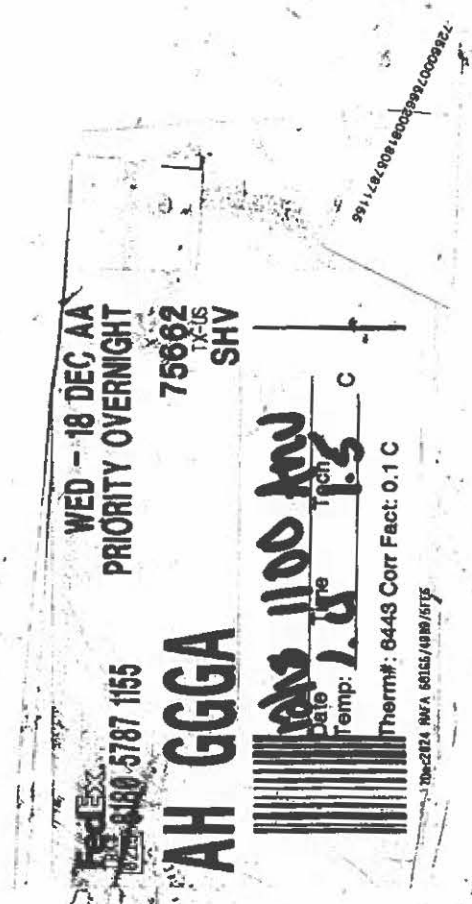
Date	Time	Relinquished by: Printed Name	Signature	Affiliation	Received by: Printed Name	Signature	Affiliation
12/17/24	9:31	Charles Wright	[signature]	DWRP	Irene Vasquez	[signature]	City of Odessa
12-17-24	07:58	Irene Vasquez	[signature]	City of Odessa - LAB	Jason Wells	Jason Wells	Odessa Lab
12/17/24	14:40	Jason Wells	Jason Wells	Odessa Lab	Fedex	[signature]	
[illegible]	[illegible]	Fedex					

Samples Contain? ☑ Wastewater ☐ Drinking Water ☐ SW846 ☐ HF ☐ CN ☐ S= ☐ other##

##comments

Samples Received on Ice? ☑ Yes ☐ No
Cooler/Sample Secure? ☐ Yes ☐ No
Method of Shipment ☐ Bus ☒ FedEx ☐ Lone Star ☐ UPS ☐ Hand Delivered ☐ Airborne ☐ Other
Tracking or Shipping Number
Requested TAT ☐ Routine ☒ 3 day ☐ 2 Day ☐ Next Day Need report by 12/23/24!

Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.


WED - 18 DEC AA
PRIORITY OVERNIGHT
75662
TX-US
SHV
AH GGGA
Date
Temp:
Tech
C
Therm#: 8443 Corr Fact: 0.1 C

Sulfate, mg/l

Lab Results

DERRINGTON PLANT
June 2024

Date	ORTHO-PHOSPHATE mg/L RAW	ORTHO-PHOSPHATE mg/L FINAL EFF	TOTAL PHOSPHATE mg/L RAW	TOTAL PHOSPHATE mg/L FINAL EFF	FLUORIDE mg/L INF	FLUORIDE mg/L FINAL EFF	CHLORIDE mg/L INF	CHLORIDE mg/L FINAL EFF	SULFATE mg/L INF	SULFATE mg/L FINAL EFF
1										
2	3.35	3.81	5.22	4.27	1.35	1.33	603	668	311	403
3										
4										
5										
6										
7										
8										
9										
10	3.26	1.89	5.42	2.02	0.985	1.37	546	626	192	325
11										
12										
13										
14										
15										
16	3.56	3.36	5.50	3.90	0.896	0.981	648	614	221	290
17										
18										
19										
20										
21										
22										
23	3.35	2.63	6.10	2.74	1.02	1.12	626	626	206	313
24										
25										
26										
27										
28										
29										
30	3.60	3.93	5.75	4.20	1.23	1.21	588	637	182	324
31										
TOTAL	17.12	15.62	28.0	17.13	5.48	6.01	3011	3171	1112	1655
AVG	3.42	3.12	5.60	3.43	1.10	1.20	602	634	222	331
MAX	3.60	3.93	6.10	4.27	1.35	1.37	648	668	311	403
MIN	3.26	1.89	5.22	2.02	0.90	0.98	546	614	182	290

Chloride, mg/l

Lab Results

DERRINGTON PLANT
June 2024

Date	ORTHO-PHOSPHATE mg/L RAW	ORTHO-PHOSPHATE mg/L FINAL EFF	TOTAL PHOSPHATE mg/L RAW	TOTAL PHOSPHATE mg/L FINAL EFF	FLUORIDE mg/L INF	FLUORIDE mg/L FINAL EFF	CHLORIDE mg/L INF	CHLORIDE mg/L FINAL EFF	SULFATE mg/L INF	SULFATE mg/L FINAL EFF
1										
2	3.35	3.81	5.22	4.27	1.35	1.33	603	668	311	403
3										
4										
5										
6										
7										
8										
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11										
12										
13										
14										
15										
16	3.56	3.36	5.50	3.90	0.896	0.981	648	614	221	290
17										
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19										
20										
21										
22										
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MAX	3.60	3.93	6.10	4.27	1.35	1.37	648	668	311	403
MIN	3.26	1.89	5.22	2.02	0.90	0.98	546	614	182	290

Total Phosphorus, mg/l

Lab Results

DERRINGTON PLANT
June 2024

Date	ORTHO-PHOSPHATE mg/L RAW	ORTHO-PHOSPHATE mg/L FINAL EFF	TOTAL PHOSPHATE mg/L RAW	TOTAL PHOSPHATE mg/L FINAL EFF	FLUORIDE mg/L INF	FLUORIDE mg/L FINAL EFF	CHLORIDE mg/L INF	CHLORIDE mg/L FINAL EFF	SULFATE mg/L INF	SULFATE mg/L FINAL EFF
1										
2	3.35	3.81	5.22	4.27	1.35	1.33	603	668	311	403
3										
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17										
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19										
20										
21										
22										
23	3.35	2.63	6.10	2.74	1.02	1.12	626	626	206	313
24										
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26										
27										
28										
29										
30	3.60	3.93	5.75	4.20	1.23	1.21	588	637	182	324
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TOTAL	17.12	15.62	28.0	17.13	5.48	6.01	3011	3171	1112	1655
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MAX	3.60	3.93	6.10	4.27	1.35	1.37	648	668	311	403
MIN	3.26	1.89	5.22	2.02	0.90	0.98	546	614	182	290

Chlorine Residual, mg/l

Lab Results

Disinfection Information

Bob Derrington WRP

PRINT DATE: Thursday, December 26, 2024

REPORT DATE: June, 2024

REPORT NUMER: 9

	Disinfection Chlorine Feed Reuse Avg	Disinfection Chlorine Feed Ditch 1 CB	Disinfection Chlorine Feed Ditch 2 CB	Disinfection Chlorine Feed Total	Disinfection SO2 Feed Final Eff Avg	Ditch 1 CL2 Resid Average	Ditch 1 CL2 Resid Maximum	Ditch 1 CL2 Resid Minimum	Ditch 2 CL2 Resid Average	Ditch 2 CL2 Resid Maximum	Ditch 2 CL2 Resid Minimum	Effluent CL2 Residual
	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
06/01/24	300	325	308	933	94	1.42	2.00	1.01	3.35	5.10	1.00	0.05
06/02/24	300	318	238	856	98	1.55	1.94	1.05	4.13	5.95	1.40	0.05
06/03/24	300	291	160	751	79	1.15	1.68	1.00	1.48	2.04	1.10	0.05
06/04/24	300	300	160	760	80	1.33	1.94	1.00	1.73	2.43	1.00	0.05
06/05/24	300	336	165	801	67	1.05	1.11	1.00	1.59	2.63	1.00	0.05
06/06/24	300	338	190	828	61	1.03	1.12	1.00	1.70	2.48	1.02	0.05
06/07/24	300	300	190	790	73	1.09	1.23	1.00	1.82	2.70	1.02	0.05
06/08/24	300	300	190	790	74	1.29	1.89	1.00	1.86	2.53	1.21	0.05
06/09/24	300	300	190	790	77	1.38	2.00	1.00	2.41	3.28	1.73	0.05
06/10/24	300	300	190	790	76	1.39	2.58	1.01	2.33	2.96	1.94	0.05
06/11/24	300	300	190	790	84	1.24	1.98	1.00	2.25	2.93	1.38	0.05
06/12/24	300	302	192	794	79	1.18	1.98	1.00	2.37	3.48	1.32	0.05
06/13/24	300	300	190	790	83	1.14	1.82	1.00	2.10	2.74	1.09	0.05
06/14/24	300	350	190	840	83	1.13	1.34	1.00	2.56	3.37	1.34	0.05
06/15/24	300	346	190	836	93	1.24	1.64	1.03	3.69	4.60	2.55	0.05
06/16/24	300	365	180	845	94	1.42	1.92	1.05	3.54	4.99	2.57	0.05
06/17/24	300	375	150	825	92	1.31	2.23	1.00	2.90	3.60	1.99	0.05
06/18/24	300	383	110	793	88	1.32	2.51	1.00	2.14	3.13	1.71	0.05
06/19/24	300	383	135	818	88	1.52	2.66	1.02	2.98	4.66	1.87	0.05
06/20/24	300	400	105	805	86	1.83	2.81	1.15	2.59	3.82	1.68	0.05
06/21/24	300	400	100	800	73	1.34	2.18	1.00	2.30	3.04	1.09	0.05
06/22/24	300	300	100	700	71	1.04	1.12	1.00	2.21	2.90	1.33	0.05
06/23/24	300	300	100	700	66	1.04	1.21	1.00	2.00	2.79	1.00	0.05
06/24/24	300	400	130	830	71	1.03	1.14	1.00	1.85	2.73	1.01	0.05
06/25/24	300	400	130	830	72	1.03	1.09	1.00	2.17	4.30	1.33	0.05
06/26/24	300	400	130	830	83	1.04	1.10	1.00	2.28	2.81	1.24	0.05
06/27/24	300	400	130	830	76	1.31	2.10	1.02	1.71	2.54	1.13	0.05
06/28/24	300	400	130	830	78	1.07	1.18	1.00	1.85	2.53	1.02	0.05
06/29/24	300	400	130	830	66	1.08	1.18	1.00	1.40	1.80	1.03	0.05
06/30/24	300	400	130	830	65	1.16	1.57	1.02	1.77	2.85	1.10	0.05
TOTAL	9,000	10,412	4,823	24,235	2,371	37.13	52.25	30.36	69.01	97.71	41.20	
AVG.	300	347	161	808	79	1.24	1.74	1.01	2.30	3.26	1.37	0.05
MAX	300	400	308	933	98	1.83	2.81	1.15	4.13	5.95	2.57	
MIN	300	291	100	700	61	1.03	1.09	1.00	1.40	1.80	1.00	

pH, Standard Units

Lab Results

Plant Data - pH

Bob Derrington WRP

PRINT DATE: Thursday, December 26, 2024

REPORT DATE: June, 2024

REPORT NUMER: 11

	Raw Influent	Ditch 1 Out Track pH avg	Ditch 2 Out Track pH	Ditch 1 Cont. Basin pH	Ditch 2 Cont. Basin pH	Effluent Max pH	Effluent Min pH
	SU	SU	SU	SU	SU	SU	SU
06/01/24	7.5	7.6	7.6	7.5	7.3	7.4	7.3
06/02/24	7.6	7.6	7.6	7.5	7.3	7.7	7.5
06/03/24	7.8	7.6	7.6	7.5	7.7	7.8	7.6
06/04/24	7.6	7.7	7.7	7.4	7.5	7.8	7.5
06/05/24	7.6	7.8	7.8	7.4	7.5	7.7	7.7
06/06/24	7.9	7.8	7.8	7.4	7.4	7.7	7.7
06/07/24	7.8	7.8	7.8	7.5	7.5	7.5	7.5
06/08/24	7.8	7.8	7.8	7.4	7.4	7.4	7.4
06/09/24	7.8	7.8	7.8	7.4	7.4	7.8	7.6
06/10/24	7.5	7.6	7.6	7.5	7.2	7.8	7.6
06/11/24	7.5	7.6	7.6	7.2	7.3	7.0	7.0
06/12/24	7.5	7.7	7.7	7.5	7.4	7.4	7.4
06/13/24	7.5	7.6	7.6	7.6	7.5	7.7	7.6
06/14/24	7.6	7.6	7.6	7.7	7.5	7.7	7.6
06/15/24	7.5	7.7	7.7	7.5	7.3	7.7	7.5
06/16/24	7.7	7.7	7.7	7.6	7.6	7.7	7.6
06/17/24	7.6	7.7	7.7	7.6	7.4	7.7	7.6
06/18/24	7.6	7.7	7.7	7.6	7.5	7.8	7.8
06/19/24	7.5	7.7	7.7	7.5	7.4	7.7	7.7
06/20/24	7.4	7.6	7.6	7.4	7.3	7.6	7.5
06/21/24	7.4	7.6	7.6	7.2	7.5	7.5	7.5
06/22/24	7.5	7.6	7.6	7.4	7.2	7.5	7.5
06/23/24	7.5	7.6	7.6	7.5	7.3	7.7	7.6
06/24/24	7.4	7.8	7.8	7.7	7.3	8.1	7.9
06/25/24	7.3	7.8	7.8	7.6	7.8	8.0	7.7
06/26/24	7.9	7.6	7.6	7.8	7.8	7.9	7.7
06/27/24	7.5	7.6	7.6	7.5	7.4	8.0	7.7
06/28/24	7.5	7.7	7.7	7.4	7.3	7.9	7.7
06/29/24	7.7	7.6	7.6	7.6	7.6	8.1	7.9
06/30/24	7.6	7.6	7.6	7.5	7.5	8.0	7.5
TOTAL	227.6	230.2	230.2	224.9	223.1	231.3	227.2
AVG.	7.6	7.7	7.7	7.5	7.4	7.7	7.6
MAX	7.9	7.8	7.8	7.8	7.8	8.1	7.9
MIN	7.3	7.6	7.6	7.2	7.2	7.0	7.0

Dissolved Oxygen, mg/l

Lab Results

Plant Data - D.O. & Setteable Solids

Bob Derrington WRP

PRINT DATE: Thursday, December 26, 2024

REPORT DATE: June, 2024

REPORT NUMER: 10

	Ditch 1 Dissolved oxygen avg	Ditch 2 Outside D.O.Avg	Effluent Min Dissolved Oxygen Avg	Effluent Min Dissolved Oxygen Min	Ditch 1 Setteable Solids	Ditch 2 Settleable Solids Outside	Aerobic Digester Dissolved	Ditch 1 Temp avg	Ditch 2 Temp
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Deg C	Deg C
06/01/24	0.9	1.0	6.70	5.9	143	948	0.40	26	26
06/02/24	1.0	0.8	7.18	6.5	232	950	0.40	26	26
06/03/24	1.1	1.0	6.62	6.3	277	952	0.30	26	26
06/04/24	0.8	1.0	7.14	6.4	467	930	0.40	27	27
06/05/24	0.8	1.0	6.93	6.1	492	948	0.40	26	26
06/06/24	0.6	1.0	6.20	5.4	460	918	0.40	26	27
06/07/24	0.6	0.9	6.33	6.0	348	948	0.30	27	27
06/08/24	0.7	0.8	6.62	6.2	278	942	0.30	27	27
06/09/24	0.8	1.0	6.33	6.2	233	952	0.40	27	27
06/10/24	0.8	0.9	6.34	6.2	187	947	0.40	27	27
06/11/24	2.0	1.0	6.17	4.1	172	933	0.20	27	27
06/12/24	0.9	0.9	6.53	4.2	187	928	0.40	28	27
06/13/24	0.7	0.9	6.66	6.0	212	945	0.40	28	28
06/14/24	1.0	1.0	6.34	6.0	153	917	0.40	27	27
06/15/24	0.7	1.0	7.22	6.8	123	940	0.30	28	28
06/16/24	0.9	1.0	6.98	6.4	173	963	0.50	27	27
06/17/24	0.8	1.0	6.86	6.6	172	942	0.40	27	27
06/18/24	0.6	1.0	5.88	5.1	140	798	0.50	28	27
06/19/24	0.7	1.0	5.90	5.6	153	937	0.40	27	26
06/20/24	0.7	1.0	5.52	5.0	148	938	0.30	27	26
06/21/24	0.8	1.0	5.22	4.1	143	943	0.40	27	26
06/22/24	0.8	1.2	5.94	5.7	149	950	0.40	26	26
06/23/24	0.9	1.0	6.95	6.8	152	940	0.40	27	26
06/24/24	0.3	1.0	5.80	4.6	315	942	0.40	28	28
06/25/24	0.2	1.1	7.20	6.5	338	883	0.40	27	28
06/26/24	0.4	1.1	6.03	5.9	347	942	0.30	27	28
06/27/24	0.3	1.0	5.98	5.4	352	908	0.40	28	28
06/28/24	0.2	1.2	6.50	5.0	358	922	0.30	28	27
06/29/24	0.2	1.1	6.36	4.5	363	903	0.30	28	28
06/30/24	0.2	1.1	7.05	6.7	372	901	0.40	28	28
TOTAL	21.23	29.77	193.48	172.20	7,639.50	27,910.83	11.20	807.50	806.57
AVG.	0.71	1.00	6.45	5.74	254.63	930.33	0.37	27.10	26.97
MAX	2.00	1.23	7.22	6.80	491.67	963.33	0.50	28.00	28.33
MIN	0.20	0.75	5.22	4.10	123.33	798.33	0.20	25.50	25.50

E.Coli, CFU/100ml freshwater

Lab Results

DERRRINGTON PLANT
June 2024

E. coli
MPN/100 mL

Date	Chlorine Residual	Industrial	Chlorine Residual	Irrigation	Chlorine Residual	Final Effluent
1						
2					0.05	7.5
3	3.90	1.0	2.11	1.0	0.05	2.0
4	1.24	1	2.89	2.0	0.05	4.1
5					0.05	1
6					0.05	1
7					0.05	1
8						
9						
10	1.61	1	1.79	1	0.05	1
11	1.39	1	1.58	1	0.05	1.0
12					0.05	1
13					0.05	1
14					0.05	1
15						
16						
17	1.63	1.0	1.28	1	0.05	1.0
18	1.57	1	1.31	1	0.05	1.0
19					0.05	1
20					0.05	1
21					0.05	1
22						
23						
24	1.56	1	1.59	1	0.05	1
25	1.83	1	1.89	1	0.05	1
26					0.05	2.0
27					0.05	1.0
28					0.05	1.0
29						
30						
31						
Total		8		9		33
Avg		1		1		2
Max		1		2		8
Min		1		1		1

Total Dissolved Solids, mg/l

Lab Results

DERRINGTON PLANT
June 2024

	ALKALINITY mg/L		HARDNESS mg/L		CONDUCTIVITY µmhos/cm, @ 25°C		TDS mg/L	TURBIDITY NTU			
Date	RAW	FINAL EFF	RAW	FINAL EFF	RAW	FINAL EFF	FINAL EFF	Ditch 1 FILTER	Ditch 2 FILTER	FINAL EFF	REUSE
1											
2							1820			7.9	
3	348	209	661	642	3520	3250		16	1.3	8.2	1.4
4							1813				1.2
5											
6							1787				
7											
8											
9							1827			17	
10								25	1.0	3.7	1.0
11	352	178	500	532	2840	2890	1640				1.1
12											
13							1747				
14											
15											
16							1627			27	
17								80	1.1	54	1.0
18			567	560	3210	2980	1733				1.0
19											
20	396	195					1680				
21											
22											
23	389	176	535	540	3040	2870	1707			7.8	
24								110	1.2	5.4	1.5
25							1680				1.3
26											
27											
28							1793				
29											
30							1740			5.6	
31											
TOTAL	1485	759	2263	2273	12610	11990	22594	231	4.60	137	9.50
AVG	371	190	566	568	3153	2998	1738	57.8	1.15	15.2	1.19
MAX	396	209	661	642	3520	3250	1827	110	1.30	54.0	1.50
MIN	348	176	500	532	2840	2870	1627	16.0	1.00	3.70	1.00

Electrical Conductivity, umohs/cm

Lab Results

DERRINGTON PLANT
June 2024

	ALKALINITY mg/L		HARDNESS mg/L		CONDUCTIVITY µmhos/cm, @ 25°C		TDS mg/L	TURBIDITY NTU			
Date	RAW	FINAL EFF	RAW	FINAL EFF	RAW	FINAL EFF	FINAL EFF	Ditch 1 FILTER	Ditch 2 FILTER	FINAL EFF	REUSE
1											
2							1820			7.9	
3	348	209	661	642	3520	3250		16	1.3	8.2	1.4
4							1813				1.2
5											
6							1787				
7											
8											
9							1827			17	
10								25	1.0	3.7	1.0
11	352	178	500	532	2840	2890	1640				1.1
12											
13							1747				
14											
15											
16							1627			27	
17								80	1.1	54	1.0
18			567	560	3210	2980	1733				1.0
19											
20	396	195					1680				
21											
22											
23	389	176	535	540	3040	2870	1707			7.8	
24								110	1.2	5.4	1.5
25							1680				1.3
26											
27											
28							1793				
29											
30							1740			5.6	
31											
TOTAL	1485	759	2263	2273	12610	11990	22594	231	4.60	137	9.50
AVG	371	190	566	568	3153	2998	1738	57.8	1.15	15.2	1.19
MAX	396	209	661	642	3520	3250	1827	110	1.30	54.0	1.50
MIN	348	176	500	532	2840	2870	1627	16.0	1.00	3.70	1.00

Oil and Grease, mg/l

Lab Results

City of Odessa

LM: JW

Date: 12/20/24

City of Odessa Laboratory Services
Oil & Grease by Method: EPA 1664, Rev. B

COPY

QAO: MP

Date: 12/20/24

Collection Date(s): 12/13/2024 Analysis Date: 12/19/2024 Analysis Time: 9:45 AM Analyst(s): GL Batch #: 1

	Quality Control					Environmental Samples					
Lab ID Code			121324220	121324221	121324219	121324217	121324219	121324223			121324213
Source	Blank	40 mg/L LCS	MS	MSD	Sample	101	102	008	006	007	001
Collection Date			12/13/2024	12/13/2024	12/13/2024	12/13/2024	12/13/2024	12/13/2024			12/13/2024
Volume Used, mL	1000	1000	870	850	830	830	830	840			850
Flag											
Pan ID	J4	O7	P8	Z9	B4	N5	B4	M6			A7
4th Weight											
3rd Weight											
2nd Weight	6.4350	6.4876	6.4833	6.4943	6.4616	6.4625	6.4616	6.4149			6.4284
1st Weight	6.4349	6.4875	6.4834	6.4946	6.4618	6.4625	6.4618	6.4149			6.4285
Dry Pan Weight	6.4344	6.4468	6.4461	6.4568	6.4597	6.4281	6.4597	6.4143			6.4282
Residue Weight	0.0006	0.0408	0.0372	0.0375	0.0019	0.0344	0.0019	0.0006			0.0002
Conc., mg/L	0.6000	40.8000	42.7586	44.1176	2.2892	41.4458	2.2892	0.7143			0.2353
Reported	ND					41.4	<5.0	<5.0			<5.0

Lab ID Code			121724350				
Source	Monthly QCS	005	COO Eff.				
Collection Date			12/16/2024				
Volume Used, mL			740				
Flag							
Pan ID			S8				
4th Weight							
3rd Weight							
2nd Weight			6.4439				
1st Weight			6.4440				
Dry Pan Weight			6.4433				
Residue Weight			0.0006				
Conc., mg/L			0.8108				
Reported			<5.0				

Extractor SN: 20-0292	Controller 20-0310
Solvent Trap SN: 20-1202	Speed Vap SN: 20-0167

Balance Verification Acceptance Criteria		
Weight	Low Limit	High Limit
0.0020g	0.0018g	0.0022g
1.0000g	0.9995g	1.0005g
10.0000g	9.9995g	10.0005g

Quality Control			QC AcceptanceCriteria	FLAG
MS/MSD True Value (mg/L)	45.9770	47.0588		
MS/MSD % Recovery	93.0	93.7	78%-114%	
MSD RPD	3.13		≤ 18 %	
40 mg/L LCS, % Recovery	102.0		78%-114%	
Blank (mg/L)	ND		<2.417 mg/L	
MDL (mg/L)	2.417			

	Balance Verification		
	0.0020g	1.0000g	10.0000g
Final Weight	0.0020	1.0000	10.0000
4th Weight			
3rd Weight			
2nd Weight	0.0020	1.0000	10.0000
1st Weight	0.0020	1.0000	10.0000
Initial Weight	0.0019	1.0000	10.0000

Permit Renewal

City of Odessa Laboratory Services | **Chain of Custody Record** | **Bob Derrington Water Reclamation Plant**

COC ID #						Analysis Requested																								
12172424004	Collection Date	Collection Time	Sample Type	# of Containers	Preservation Type	Metals (P)	Phenol (G)	Misc (G)	Cyanide (P)	Sludge Misc (G)	O+G (G)																			
Field Identification																														
Raw Influent			C																											
Raw Influent			C																											
Raw Influent			G																											
Raw Influent			G																											
Raw Influent			G																											
Raw Influent			G																											
Raw Influent			C																											
Raw Influent			C																											
Raw Influent			C																											
Raw Influent			G																											
Belt Press			C																											
Final Effluent			C																											
Final Effluent			C																											
Final Effluent			G																											
Final Effluent			G																											
Final Effluent			G																											
Final Effluent			G																											
Final Effluent			C																											
Final Effluent			C																											
Final Effluent			C																											
Final Effluent			C																											
X Final Effluent	12/16/24	1300	G	2							✓																			

Relinquished By	Date	Time	Received By	Date	Time
	12/17/24	9:81		12-17-24	09:31

Legend: (P) = Plastic (G) = Glass C = Composite G = Grab A = Acid to pH <2.0 SU R = Cool O = Other: NaOH

Sample collector(s) are on file with customer.

☐ If checked, see attached Sample Rejection and Comment Form

Temperature upon receipt: ~~7.4 6.2~~ ~~6.0~~ 9.0 °C

pH check of acidified sample(s): pH < 2.0 SU ☐ Yes ☒ No

DWRP COC, Revision 6/12/2024

Revised 6/30/2023

INF 12/20/24

Alkalinity, mg/l

Lab Results

DERRINGTON PLANT
June 2024

Date	ALKALINITY mg/L RAW	ALKALINITY mg/L FINAL EFF	HARDNESS mg/L RAW	HARDNESS mg/L FINAL EFF	CONDUCTIVITY µmhos/cm, @ 25°C RAW	CONDUCTIVITY µmhos/cm, @ 25°C FINAL EFF	TDS mg/L FINAL EFF	TURBIDITY NTU Ditch 1 FILTER	TURBIDITY NTU Ditch 2 FILTER	TURBIDITY NTU FINAL EFF	TURBIDITY NTU REUSE
1											
2							1820			7.9	
3	348	209	661	642	3520	3250		16	1.3	8.2	1.4
4							1813				1.2
5											
6							1787				
7											
8											
9							1827			17	
10								25	1.0	3.7	1.0
11	352	178	500	532	2840	2890	1640				1.1
12											
13							1747				
14											
15											
16							1627			27	
17								80	1.1	54	1.0
18			567	560	3210	2980	1733				1.0
19											
20	396	195					1680				
21											
22											
23	389	176	535	540	3040	2870	1707			7.8	
24								110	1.2	5.4	1.5
25							1680				1.3
26											
27											
28							1793				
29											
30							1740			5.6	
31											
TOTAL	1485	759	2263	2273	12610	11990	22594	231	4.60	137	9.50
AVG	371	190	566	568	3153	2998	1738	57.8	1.15	15.2	1.19
MAX	396	209	661	642	3520	3250	1827	110	1.30	54.0	1.50
MIN	348	176	500	532	2840	2870	1627	16.0	1.00	3.70	1.00

ATTACHMENT H

DESCRIPTION OF RECEIVING WATERS

DOMESTIC TECHNICAL REPORT WORKSHEET 2.0

SECTION 4(E), PAGE 27

Receiving Stream Observations

All observations taken on the afternoon of 12/20/2024

The US 3503 Crossing upstream of the POTW has numerous vegetation and no standing water along the bottom of the entire channel. Minimal trash was found in and along the channel.

The CR 1788 Crossing downstream of the POTW is dry with mesquite trees and other native vegetation. There is minimal flow in the channel with algae growth.

ATTACHMENT I

TOXIC/PRIORITY POLLUTANTS

DOMESTIC TECHNICAL REPORT WORKSHEET 4.0

SECTION 1-2, PAGE 44/55

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Project
1102006

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Printed 05/20/2024
7:57

TABLE OF CONTENTS

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

Report Name	Description	Pages
1102006_r02_01_ProjectSamples	SPL Kilgore Project P:1102006 C:ODES Project Sample Cross Reference t:304	2
1102006_r03_03_ProjectResults	SPL Kilgore Project P:1102006 C:ODES Project Results t:304 PO: 22201773 - 01	6
1102006_r10_05_ProjectQC	SPL Kilgore Project P:1102006 C:ODES Project Quality Control Groups	11
1102006_r99_09_CoC__1_of_1	SPL Kilgore CoC ODES 1102006_1_of_1	6
	Total Pages:	25

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SAMPLE CROSS REFERENCE

Project
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Printed 5/20/2024

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Jason Wells
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Odessa, TX 79764

Sample	Sample ID	Taken	Time	Received
2296152	*INFLUENT*	05/06/2024	12:00:00	05/07/2024

Bottle 01 Polyethylene Quart
Bottle 02 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 03 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 04 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 624.1	03	1118188	05/07/2024	1118188	05/07/2024
SM 3500-Cr B-2011	01	1118338	05/07/2024	1118338	05/07/2024
SM 3500-Cr B-2011		1119975	05/06/2024	1119975	05/06/2024

Sample	Sample ID	Taken	Time	Received
2296153	*EFFLUENT*	05/06/2024	12:20:00	05/07/2024

Bottle 01 Polyethylene Quart
Bottle 02 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 03 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 04 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 624.1	04	1118477	05/08/2024	1118477	05/08/2024
SM 3500-Cr B-2011	01	1118338	05/07/2024	1118338	05/07/2024
SM 3500-Cr B-2011		1119975	05/06/2024	1119975	05/06/2024

Sample	Sample ID	Taken	Time	Received
2296165	*INFLUENT*	05/06/2024	12:30:00	05/07/2024

Bottle 01 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 02 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 03 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 624.1	01	1118722	05/09/2024	1118722	05/09/2024
EPA 624.1	01	1118732	05/09/2024	1118732	05/09/2024

Sample	Sample ID	Taken	Time	Received
2296166	*EFFLUENT*	05/06/2024	12:45:00	05/07/2024

Email: Kilgore.ProjectManagement@spllabs.com

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SAMPLE CROSS REFERENCE

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Bottle 01 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 02 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 03 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 624.1	02	1118722	05/09/2024	1118722	05/09/2024
EPA 624.1	02	1118732	05/09/2024	1118732	05/09/2024

Email: Kilgore.ProjectManagement@spllabs.com

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Jason Wells
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Odessa, TX 79764

Project 1102006

Printed: 05/20/2024

RESULTS

Sample Results

2296152 INFLUENT Received: 05/07/2024

Non-Potable Water | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 05/06/2024 12:00:00

EPA 624.1 Prepared: 1118188 05/07/2024 13:52:00 Analyzed 1118188 05/07/2024 13:52:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	(MTBE) tert-Butylmethylether	ND	ug/L	2.00		1634-04-4	03
NELAC	1,2-Dibromoethane (EDB)	ND	ug/L	1.00		106-93-4	03
NELAC	Bromodichloromethane	ND	ug/L	1.00		75-27-4	03
NELAC	Bromoform	ND	ug/L	2.00		75-25-2	03
NELAC	Chloroform	ND	ug/L	1.00		67-66-3	03
NELAC	Dibromochloromethane	ND	ug/L	1.00		124-48- 1	03
NELAC	Methyl ethyl ketone (Butanone)	ND	ug/L	10.0		78-93-3	03

EPA 624.1 Prepared: 1118188 05/08/2024 14:33:03 Calculated 1118188 05/08/2024 14:33:03 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Trihalomethanes (Total)	ND	mg/L	0.002			03

SM 3500-Cr B-2011 Prepared: 1118338 05/07/2024 11:30:00 Analyzed 1118338 05/07/2024 11:30:00 ALB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hexavalent Chromium	ND	ug/L	3.00		18540-29-9	01

SM 3500-Cr B-2011 Prepared: 1119975 05/06/2024 12:00:00 Analyzed 1119975 05/06/2024 12:00:00 CLI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hex Cr, Field Preservation	Preserved	ug/L	3		18540-29-9	

2296153 EFFLUENT Received: 05/07/2024

Non-Potable Water | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 05/06/2024 12:20:00

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2296153 EFFLUENT

Received: 05/07/2024

Non-Potable Water | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 05/06/2024 12:20:00

EPA 624.1 Prepared: 1118477 05/08/2024 14:47:00 Analyzed 1118477 05/08/2024 14:47:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	(MTBE) tert-Butylmethylether	ND	ug/L	1.00		1634-04-4	04
NELAC	1,2-Dibromoethane (EDB)	ND	ug/L	1.00		106-93-4	04
NELAC	Bromodichloromethane	ND	ug/L	1.00		75-27-4	04
NELAC	Bromoform	ND	ug/L	1.00		75-25-2	04
NELAC	Chloroform	1.80	ug/L	1.00		67-66-3	04
NELAC	Dibromochloromethane	ND	ug/L	1.00		124-48-1	04
NELAC	Methyl ethyl ketone (Butanone)	ND	ug/L	1.00		78-93-3	04

EPA 624.1 Prepared: 1118477 05/09/2024 16:56:51 Calculated 1118477 05/09/2024 16:56:51 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Trihalomethanes (Total)	0.0018	mg/L	0.001			04

SM 3500-Cr B-2011 Prepared: 1118338 05/07/2024 11:30:00 Analyzed 1118338 05/07/2024 11:30:00 ALB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hexavalent Chromium	ND	ug/L	3.00	P	18540-29-9	01

SM 3500-Cr B-2011 Prepared: 1119975 05/06/2024 12:00:00 Analyzed 1119975 05/06/2024 12:00:00 CLI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hex Cr, Field Preservation	Preserved	ug/L	3		18540-29-9	

2296165 INFLUENT

Received: 05/07/2024

Non-Potable Water | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 05/06/2024 12:30:00

EPA 624.1 Prepared: 1118722 05/09/2024 12:54:00 Analyzed 1118722 05/09/2024 12:54:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Acrolein	ND	ug/L	4.00		107-02-8	01
NELAC	Acrylonitrile	ND	ug/L	1.00		107-13-1	01

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2296165 INFLUENT

Received: 05/07/2024

Non-Potable Water | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 05/06/2024 12:30:00

EPA 624.1 Prepared: 1118732 05/09/2024 12:54:00 Analyzed 1118732 05/09/2024 12:54:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,1,1-Trichloroethane	ND	ug/L	1.00		71-55-6	01
NELAC	1,1,2,2-Tetrachloroethane	ND	ug/L	1.00		79-34-5	01
NELAC	1,1,2-Trichloroethane	ND	ug/L	1.00		79-00-5	01
NELAC	1,1-Dichloroethane	ND	ug/L	1.00		75-34-3	01
NELAC	1,1-Dichloroethylene	ND	ug/L	1.00		75-35-4	01
NELAC	1,2-Dichloroethane	ND	ug/L	1.00		107-06-2	01
NELAC	1,2-Dichloropropane	ND	ug/L	1.00		78-87-5	01
NELAC	2-Chloroethylvinyl ether	ND	ug/L	1.00		110-75-8	01
NELAC	Benzene	ND	ug/L	1.00		71-43-2	01
NELAC	Bromodichloromethane	ND	ug/L	1.00		75-27-4	01
NELAC	Bromoform	ND	ug/L	1.00		75-25-2	01
NELAC	Bromomethane (Methyl Bromi	ND	ug/L	1.00		74-83-9	01
NELAC	Carbon Tetrachloride	ND	ug/L	1.00		56-23-5	01
NELAC	Chlorobenzene	ND	ug/L	1.00		108-90-7	01
NELAC	Chloroethane	ND	ug/L	1.12		75-00-3	01
NELAC	Chloroform	ND	ug/L	1.00		67-66-3	01
NELAC	Chloromethane (Methyl Chloride)	ND	ug/L	1.00		74-87-3	01
NELAC	cis-1,3-Dichloropropene	ND	ug/L	1.00		10061-01-5	01
NELAC	Dibromochloromethane	ND	ug/L	1.00		124-48- 1	01
NELAC	Dichloromethane	ND	ug/L	1.02		75-09-2	01
NELAC	Ethylbenzene	ND	ug/L	1.00		100-41-4	01
NELAC	m-Dichlorobenzene (1,3-DCB)	ND	ug/L	1.00		541-73-1	01
NELAC	o-Dichlorobenzene (1,2-DCB)	ND	ug/L	1.00		95-50-1	01
NELAC	p-Dichlorobenzene (1,4-DCB)	2.09	ug/L	1.00		106-46-7	01
NELAC	Tetrachloroethylene	ND	ug/L	1.00		127-18-4	01
NELAC	Toluene	ND	ug/L	1.00		108-88-3	01
NELAC	trans-1,2-Dichloroethylene	ND	ug/L	1.00		156-60-5	01
NELAC	trans-1,3-Dichloropropene	ND	ug/L	1.00		10061-02-6	01
NELAC	Trichloroethylene	ND	ug/L	1.00		79-01-6	01
NELAC	Vinyl chloride	ND	ug/L	1.00		75-01-4	01

2296166 EFFLUENT

Received: 05/07/2024

Non-Potable Water | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 05/06/2024 12:45:00

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Project 1102006

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Printed: 05/20/2024

2296166 EFFLUENT Received: 05/07/2024

Non-Potable Water | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 05/06/2024 12:45:00

EPA 624.1 Prepared: 1118722 05/09/2024 13:17:00 Analyzed 1118722 05/09/2024 13:17:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Acrolein	ND	ug/L	4.00		107-02-8	02
NELAC	Acrylonitrile	ND	ug/L	1.00		107-13-1	02

EPA 624.1 Prepared: 1118732 05/09/2024 13:17:00 Analyzed 1118732 05/09/2024 13:17:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,1,1-Trichloroethane	ND	ug/L	1.00		71-55-6	02
NELAC	1,1,2,2-Tetrachloroethane	ND	ug/L	1.00		79-34-5	02
NELAC	1,1,2-Trichloroethane	ND	ug/L	1.00		79-00-5	02
NELAC	1,1-Dichloroethane	ND	ug/L	1.00		75-34-3	02
NELAC	1,1-Dichloroethylene	ND	ug/L	1.00		75-35-4	02
NELAC	1,2-Dichloroethane	ND	ug/L	1.00		107-06-2	02
NELAC	1,2-Dichloropropane	ND	ug/L	1.00		78-87-5	02
NELAC	2-Chloroethylvinyl ether	ND	ug/L	1.00		110-75-8	02
NELAC	Benzene	ND	ug/L	1.00		71-43-2	02
NELAC	Bromodichloromethane	ND	ug/L	1.00		75-27-4	02
NELAC	Bromoform	ND	ug/L	1.00		75-25-2	02
NELAC	Bromomethane (Methyl Bromi	ND	ug/L	1.00		74-83-9	02
NELAC	Carbon Tetrachloride	ND	ug/L	1.00		56-23-5	02
NELAC	Chlorobenzene	ND	ug/L	1.00		108-90-7	02
NELAC	Chloroethane	ND	ug/L	1.12		75-00-3	02
NELAC	Chloroform	2.11	ug/L	1.00		67-66-3	02
NELAC	Chloromethane (Methyl Chloride)	ND	ug/L	1.00		74-87-3	02
NELAC	cis-1,3-Dichloropropene	ND	ug/L	1.00		10061-01-5	02
NELAC	Dibromochloromethane	ND	ug/L	1.00		124-48- 1	02
NELAC	Dichloromethane	ND	ug/L	1.02		75-09-2	02
NELAC	Ethylbenzene	ND	ug/L	1.00		100-41-4	02
NELAC	m-Dichlorobenzene (1,3-DCB)	ND	ug/L	1.00		541-73-1	02
NELAC	o-Dichlorobenzene (1,2-DCB)	ND	ug/L	1.00		95-50-1	02
NELAC	p-Dichlorobenzene (1,4-DCB)	ND	ug/L	1.00		106-46-7	02
NELAC	Tetrachloroethylene	ND	ug/L	1.00		127-18-4	02
NELAC	Toluene	ND	ug/L	1.00		108-88-3	02
NELAC	trans-1,2-Dichloroethylene	ND	ug/L	1.00		156-60-5	02
NELAC	trans-1,3-Dichloropropene	ND	ug/L	1.00		10061-02-6	02
NELAC	Trichloroethylene	ND	ug/L	1.00		79-01-6	02
NELAC	Vinyl chloride	ND	ug/L	1.00		75-01-4	02

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Project
1102006

Printed: 05/20/2024

Sample Preparation

2296152 INFLUENT — Received: 05/07/2024

22201773 - 01

05/06/2024

	Prepared:	05/07/2024	19:33:30	Calculated		05/07/2024	19:33:30	CAL
z	Environmental Fee (per Project)	Verified						
EPA 624.1	Prepared:	1118188	05/07/2024	13:52:00	Analyzed	1118188	05/07/2024	13:52:00 MR1
z	30 TAC 307 THM/MEK/EDB	Entered						03

2296153 EFFLUENT — Received: 05/07/2024

22201773 - 01

05/06/2024

EPA 624.1	Prepared:	1118477	05/08/2024	14:47:00	Analyzed	1118477	05/08/2024	14:47:00 MR1
z	30 TAC 307 THM/MEK/EDB	Entered						04

2296165 INFLUENT — Received: 05/07/2024

22201773 - 01

05/06/2024

EPA 624.1	Prepared:	1118722	05/09/2024	12:54:00	Analyzed	1118722	05/09/2024	12:54:00 MR1
NELAC	Acrolein/Acrylonitrile Exp.	Entered						01
EPA 624.1	Prepared:	1118732	05/09/2024	12:54:00	Analyzed	1118732	05/09/2024	12:54:00 MR1
NELAC	TTO - VOC (ODES)	Entered						01

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2296166 **EFFLUENT** Received: 05/07/2024

22201773 - 01

05/06/2024

EPA 624.1	*Prepared:*	*1118722*	*05/09/2024*	*13:17:00*	*Analyzed*	*1118722*	*05/09/2024*	*13:17:00*	*MR1*	
NELAC **Acrolein/Acrylonitrile Exp.**	**Entered**									02
EPA 624.1	*Prepared:*	*1118732*	*05/09/2024*	*13:17:00*	*Analyzed*	*1118732*	*05/09/2024*	*13:17:00*	*MR1*	
NELAC **TTO - VOC (ODES)**	**Entered**									02

Qualifiers:

P - Spike recovery outside control limits due to matrix effects.

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

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

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

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

Bill Peery

Bill Peery, MS, VP Technical Services

QUALITY CONTROL

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ODES-W

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Odessa, TX 79764

Project
1102006

Printed 05/20/2024

Analytical Set 1118338 — SM 3500-Cr B-2011

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Hexavalent Chromium	1118338	ND	0.550	3.00	ug/L	126317195
Hexavalent Chromium	1118338	ND	0.550	3.00	ug/L	126317204
Hexavalent Chromium	1118338	ND	0.550	3.00	ug/L	126317207

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Hexavalent Chromium	84.4	80.0	ug/L	106	90.0 - 110	126317196
Hexavalent Chromium	84.7	80.0	ug/L	106	90.0 - 110	126317205
Hexavalent Chromium	85.4	80.0	ug/L	107	90.0 - 110	126317208

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Hexavalent Chromium	1118338	82.9	84.7	80.0	85.0 - 115	104	106	ug/L	2.15	15.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Hexavalent Chromium	2296153	ND	ND	ND	80.0	70.0 - 130	0 *	0 *	ug/L		20.0

Analytical Set 1118188 — EPA 624.1

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1118188	174	0	0.0	0 - 2.00	126314157
BFB Mass 174	1118188	95.0	9575	71.7	50.0 - 100	126314157
BFB Mass 175	1118188	174	762	8.0	5.00 - 9.00	126314157
BFB Mass 176	1118188	174	9111	95.2	95.0 - 101	126314157
BFB Mass 177	1118188	176	651	7.1	5.00 - 9.00	126314157
BFB Mass 50	1118188	95.0	2620	19.6	15.0 - 40.0	126314157
BFB Mass 75	1118188	95.0	6878	51.5	30.0 - 60.0	126314157
BFB Mass 95	1118188	95.0	13361	100.0	100 - 100	126314157
BFB Mass 96	1118188	95.0	866	6.5	5.00 - 9.00	126314157

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
(MTBE) tert-Butylmethylether	1118188	ND	1.08	2.00	ug/L	126314161
1,2-Dibromoethane (EDB)	1118188	ND	1.00	1.00	ug/L	126314161
Bromodichloromethane	1118188	ND	0.873	1.00	ug/L	126314161
Bromoform	1118188	ND	1.28	2.00	ug/L	126314161
Chloroform	1118188	ND	0.945	1.00	ug/L	126314161
Dibromochloromethane	1118188	ND	0.995	1.00	ug/L	126314161
Methyl ethyl ketone (Butanone)	1118188	ND	6.54	10.0	ug/L	126314161

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1118188	LCS	76480	65670	32840	98510	126314159	1118188
1,4-DichlorobenzeneD4 (ISTD)	1118188	LCS Dup	75120	65670	32840	98510	126314160	1118188

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1102006

Printed 05/20/2024

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1118188	Blank	54410	65670	32840	98510	126314161	1118188
ChlorobenzeneD5 (ISTD)	1118188	LCS	150500	128900	64440	193300	126314159	1118188
ChlorobenzeneD5 (ISTD)	1118188	LCS Dup	142500	128900	64440	193300	126314160	1118188
ChlorobenzeneD5 (ISTD)	1118188	Blank	124700	128900	64440	193300	126314161	1118188
1,4-DichlorobenzeneD4 (ISTD)	2296019	MS	71380	65670	32840	98510	126314163	1118188
1,4-DichlorobenzeneD4 (ISTD)	2296019	MSD	73490	65670	32840	98510	126314164	1118188
ChlorobenzeneD5 (ISTD)	2296019	MS	135300	128900	64440	193300	126314163	1118188
ChlorobenzeneD5 (ISTD)	2296019	MSD	142800	128900	64440	193300	126314164	1118188
1,4-DichlorobenzeneD4 (ISTD)	2296152	Unknown	57130	65670	32840	98510	126314165	1118188
ChlorobenzeneD5 (ISTD)	2296152	Unknown	123300	128900	64440	193300	126314165	1118188

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1118188	LCS	11.09	11.09	11.03	11.15	126314159	1118188
1,4-DichlorobenzeneD4 (ISTD)	1118188	LCS Dup	11.09	11.09	11.03	11.15	126314160	1118188
1,4-DichlorobenzeneD4 (ISTD)	1118188	Blank	11.09	11.09	11.03	11.15	126314161	1118188
ChlorobenzeneD5 (ISTD)	1118188	LCS	8.733	8.733	8.673	8.793	126314159	1118188
ChlorobenzeneD5 (ISTD)	1118188	LCS Dup	8.733	8.733	8.673	8.793	126314160	1118188
ChlorobenzeneD5 (ISTD)	1118188	Blank	8.733	8.733	8.673	8.793	126314161	1118188
1,4-DichlorobenzeneD4 (ISTD)	2296019	MS	11.09	11.09	11.03	11.15	126314163	1118188
1,4-DichlorobenzeneD4 (ISTD)	2296019	MSD	11.09	11.09	11.03	11.15	126314164	1118188
ChlorobenzeneD5 (ISTD)	2296019	MS	8.733	8.733	8.673	8.793	126314163	1118188
ChlorobenzeneD5 (ISTD)	2296019	MSD	8.733	8.733	8.673	8.793	126314164	1118188
1,4-DichlorobenzeneD4 (ISTD)	2296152	Unknown	11.09	11.09	11.03	11.15	126314165	1118188
ChlorobenzeneD5 (ISTD)	2296152	Unknown	8.733	8.733	8.673	8.793	126314165	1118188

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
(MTBE) tert-Butylmethylether	1118188	22.5	23.5	20.0	70.8 - 125	112	118	ug/L	5.22	30.0
1,2-Dibromoethane (EDB)	1118188	17.8	18.5	20.0	78.4 - 122	89.0	92.5	ug/L	3.86	30.0
Bromodichloromethane	1118188	17.7	18.6	20.0	65.0 - 135	88.5	93.0	ug/L	4.96	34.0
Bromoform	1118188	16.4	17.0	20.0	70.0 - 130	82.0	85.0	ug/L	3.59	25.0
Chloroform	1118188	17.8	18.4	20.0	70.0 - 135	89.0	92.0	ug/L	3.31	32.0
Dibromochloromethane	1118188	16.1	17.2	20.0	70.0 - 135	80.5	86.0	ug/L	6.61	30.0
Methyl ethyl ketone (Butanone)	1118188	14.2	18.0	20.0	62.3 - 136	71.0	90.0	ug/L	23.6	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
(MTBE) tert-Butylmethylether	2296019	118	117	ND	100	28.8 - 124	118	117	ug/L	0.851	30.0
1,2-Dibromoethane (EDB)	2296019	91.1	88.2	ND	100	49.3 - 120	91.1	88.2	ug/L	3.23	30.0
Bromodichloromethane	2296019	93.6	91.2	ND	100	35.0 - 155	93.6	91.2	ug/L	2.60	56.0
Bromoform	2296019	80.6	81.6	ND	100	45.0 - 169	80.6	81.6	ug/L	1.23	42.0
Chloroform	2296019	93.6	93.2	ND	100	51.0 - 138	93.6	93.2	ug/L	0.428	54.0
Dibromochloromethane	2296019	84.8	79.8	ND	100	53.0 - 149	84.8	79.8	ug/L	6.08	50.0
Methyl ethyl ketone (Butanone)	2296019	104	74.4	ND	100	0.100 - 211	104	74.4	ug/L	33.2 *	30.0

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1102006

Printed 05/20/2024

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1118188	LCS	25.4	20.0	ug/L	127	70.0 - 130	126314159
1,2-DCA-d4 (SURR)	1118188	LCS Dup	26.7	20.0	ug/L	134 *	70.0 - 130	126314160
1,2-DCA-d4 (SURR)	1118188	Blank	28.2	20.0	ug/L	141 *	70.0 - 130	126314161
Bromofluorobenzene (SURR)	1118188	LCS	23.0	20.0	ug/L	115	70.0 - 130	126314159
Bromofluorobenzene (SURR)	1118188	LCS Dup	22.0	20.0	ug/L	110	70.0 - 130	126314160
Bromofluorobenzene (SURR)	1118188	Blank	23.1	20.0	ug/L	116	70.0 - 130	126314161
Dibromofluoromethane (SURR)	1118188	LCS	23.3	20.0	ug/L	116	70.0 - 130	126314159
Dibromofluoromethane (SURR)	1118188	LCS Dup	23.4	20.0	ug/L	117	70.0 - 130	126314160
Dibromofluoromethane (SURR)	1118188	Blank	23.7	20.0	ug/L	118	70.0 - 130	126314161
ToluneneD8 (SURR)	1118188	LCS	24.0	20.0	ug/L	120	70.0 - 130	126314159
ToluneneD8 (SURR)	1118188	LCS Dup	24.6	20.0	ug/L	123	70.0 - 130	126314160
ToluneneD8 (SURR)	1118188	Blank	23.6	20.0	ug/L	118	70.0 - 130	126314161
1,2-DCA-d4 (SURR)	2296019	MS	26.9	20.0	ug/L	134 *	70.0 - 130	126314163
1,2-DCA-d4 (SURR)	2296019	MSD	27.6	20.0	ug/L	138 *	70.0 - 130	126314164
Bromofluorobenzene (SURR)	2296019	MS	22.6	20.0	ug/L	113	70.0 - 130	126314163
Bromofluorobenzene (SURR)	2296019	MSD	22.6	20.0	ug/L	113	70.0 - 130	126314164
Dibromofluoromethane (SURR)	2296019	MS	23.3	20.0	ug/L	116	70.0 - 130	126314163
Dibromofluoromethane (SURR)	2296019	MSD	23.3	20.0	ug/L	116	70.0 - 130	126314164
ToluneneD8 (SURR)	2296019	MS	23.9	20.0	ug/L	120	70.0 - 130	126314163
ToluneneD8 (SURR)	2296019	MSD	24.3	20.0	ug/L	122	70.0 - 130	126314164
1,2-DCA-d4 (SURR)	2296152	Unknown	28.1	20.0	ug/L	140 *	70.0 - 130	126314165
Bromofluorobenzene (SURR)	2296152	Unknown	22.9	20.0	ug/L	114	70.0 - 130	126314165
Dibromofluoromethane (SURR)	2296152	Unknown	25.3	20.0	ug/L	126	70.0 - 130	126314165
ToluneneD8 (SURR)	2296152	Unknown	24.3	20.0	ug/L	122	70.0 - 130	126314165

Analytical Set 1118477 — EPA 624.1

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1118477	174	242	1.5	0 - 2.00	126318926
BFB Mass 174	1118477	95.0	16144	65.8	50.0 - 100	126318926
BFB Mass 175	1118477	174	1314	8.1	5.00 - 9.00	126318926
BFB Mass 176	1118477	174	15642	96.9	95.0 - 101	126318926
BFB Mass 177	1118477	176	1091	7.0	5.00 - 9.00	126318926
BFB Mass 50	1118477	95.0	4614	18.8	15.0 - 40.0	126318926
BFB Mass 75	1118477	95.0	12118	49.4	30.0 - 60.0	126318926
BFB Mass 95	1118477	95.0	24549	100.0	100 - 100	126318926
BFB Mass 96	1118477	95.0	1584	6.5	5.00 - 9.00	126318926

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
(MTBE) tert-Butylmethylether	1118477	ND	0.638	1.00	ug/L	126318930
1,2-Dibromoethane (EDB)	1118477	ND	0.562	1.00	ug/L	126318930
Bromodichloromethane	1118477	ND	0.409	1.00	ug/L	126318930
Bromoform	1118477	ND	0.500	1.00	ug/L	126318930
Chloroform	1118477	ND	0.463	1.00	ug/L	126318930

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1102006

Printed 05/20/2024

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Dibromochloromethane	1118477	ND	0.311	1.00	ug/L	126318930
Methyl ethyl ketone (Butanone)	1118477	ND	0.742	1.00	ug/L	126318930

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1118477	LCS	108300	119600	59800	179400	126318928	1118477
1,4-DichlorobenzeneD4 (ISTD)	1118477	LCS Dup	112000	119600	59800	179400	126318929	1118477
1,4-DichlorobenzeneD4 (ISTD)	1118477	Blank	101700	119600	59800	179400	126318930	1118477
ChlorobenzeneD5 (ISTD)	1118477	LCS	200300	217500	108700	326200	126318928	1118477
ChlorobenzeneD5 (ISTD)	1118477	LCS Dup	209100	217500	108700	326200	126318929	1118477
ChlorobenzeneD5 (ISTD)	1118477	Blank	200700	217500	108700	326200	126318930	1118477
1,4-DichlorobenzeneD4 (ISTD)	2296153	Unknown	100700	119600	59800	179400	126318934	1118477
ChlorobenzeneD5 (ISTD)	2296153	Unknown	197700	217500	108700	326200	126318934	1118477
1,4-DichlorobenzeneD4 (ISTD)	2296679	MS	114700	119600	59800	179400	126318932	1118477
1,4-DichlorobenzeneD4 (ISTD)	2296679	MSD	107600	119600	59800	179400	126318933	1118477
ChlorobenzeneD5 (ISTD)	2296679	MS	230700	217500	108700	326200	126318932	1118477
ChlorobenzeneD5 (ISTD)	2296679	MSD	212900	217500	108700	326200	126318933	1118477

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1118477	LCS	11.97	11.97	11.91	12.03	126318928	1118477
1,4-DichlorobenzeneD4 (ISTD)	1118477	LCS Dup	11.97	11.97	11.91	12.03	126318929	1118477
1,4-DichlorobenzeneD4 (ISTD)	1118477	Blank	11.97	11.97	11.91	12.03	126318930	1118477
ChlorobenzeneD5 (ISTD)	1118477	LCS	9.597	9.597	9.537	9.657	126318928	1118477
ChlorobenzeneD5 (ISTD)	1118477	LCS Dup	9.597	9.597	9.537	9.657	126318929	1118477
ChlorobenzeneD5 (ISTD)	1118477	Blank	9.597	9.597	9.537	9.657	126318930	1118477
1,4-DichlorobenzeneD4 (ISTD)	2296153	Unknown	11.97	11.97	11.91	12.03	126318934	1118477
ChlorobenzeneD5 (ISTD)	2296153	Unknown	9.597	9.597	9.537	9.657	126318934	1118477
1,4-DichlorobenzeneD4 (ISTD)	2296679	MS	11.97	11.97	11.91	12.03	126318932	1118477
1,4-DichlorobenzeneD4 (ISTD)	2296679	MSD	11.97	11.97	11.91	12.03	126318933	1118477
ChlorobenzeneD5 (ISTD)	2296679	MS	9.597	9.597	9.537	9.657	126318932	1118477
ChlorobenzeneD5 (ISTD)	2296679	MSD	9.597	9.597	9.537	9.657	126318933	1118477

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
(MTBE) tert-Butylmethylether	1118477	19.7	18.6	20.0	70.8 - 125	98.5	93.0	ug/L	5.74	30.0
1,2-Dibromoethane (EDB)	1118477	19.3	18.2	20.0	78.4 - 122	96.5	91.0	ug/L	5.87	30.0
Bromodichloromethane	1118477	16.8	16.1	20.0	65.0 - 135	84.0	80.5	ug/L	4.26	34.0
Bromoform	1118477	18.2	17.2	20.0	70.0 - 130	91.0	86.0	ug/L	5.65	25.0
Chloroform	1118477	18.5	16.9	20.0	70.0 - 135	92.5	84.5	ug/L	9.04	32.0
Dibromochloromethane	1118477	18.8	17.6	20.0	70.0 - 135	94.0	88.0	ug/L	6.59	30.0
Methyl ethyl ketone (Butanone)	1118477	17.5	16.4	20.0	62.3 - 136	87.5	82.0	ug/L	6.49	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
(MTBE) tert-Butylmethylether	2296679	169	184	ND	200	28.8 - 124	84.5	92.0	ug/L	8.50	30.0

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1102006

Printed 05/20/2024

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
1,2-Dibromoethane (EDB)	2296679	153	164	ND	200	49.3 - 120	76.5	82.0	ug/L	6.94	30.0
Bromodichloromethane	2296679	138	141	ND	200	35.0 - 155	69.0	70.5	ug/L	2.15	56.0
Bromoform	2296679	156	160	ND	200	45.0 - 169	78.0	80.0	ug/L	2.53	42.0
Chloroform	2296679	147	155	ND	200	51.0 - 138	73.5	77.5	ug/L	5.30	54.0
Dibromochloromethane	2296679	145	153	ND	200	53.0 - 149	72.5	76.5	ug/L	5.37	50.0
Methyl ethyl ketone (Butanone)	2296679	45.2	33.9	ND	200	0.100 - 211	22.6	17.0	ug/L	28.6	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1118477	LCS	17.2	20.0	ug/L	86.0	70.0 - 130	126318928
1,2-DCA-d4 (SURR)	1118477	LCS Dup	17.4	20.0	ug/L	87.0	70.0 - 130	126318929
1,2-DCA-d4 (SURR)	1118477	Blank	18.0	20.0	ug/L	90.0	70.0 - 130	126318930
Bromofluorobenzene (SURR)	1118477	LCS	18.0	20.0	ug/L	90.0	70.0 - 130	126318928
Bromofluorobenzene (SURR)	1118477	LCS Dup	18.6	20.0	ug/L	93.0	70.0 - 130	126318929
Bromofluorobenzene (SURR)	1118477	Blank	18.6	20.0	ug/L	93.0	70.0 - 130	126318930
Dibromofluoromethane (SURR)	1118477	LCS	18.4	20.0	ug/L	92.0	70.0 - 130	126318928
Dibromofluoromethane (SURR)	1118477	LCS Dup	18.3	20.0	ug/L	91.5	70.0 - 130	126318929
Dibromofluoromethane (SURR)	1118477	Blank	17.7	20.0	ug/L	88.5	70.0 - 130	126318930
TolueneD8 (SURR)	1118477	LCS	18.6	20.0	ug/L	93.0	70.0 - 130	126318928
TolueneD8 (SURR)	1118477	LCS Dup	18.6	20.0	ug/L	93.0	70.0 - 130	126318929
TolueneD8 (SURR)	1118477	Blank	18.4	20.0	ug/L	92.0	70.0 - 130	126318930
1,2-DCA-d4 (SURR)	2296153	Unknown	17.7	20.0	ug/L	88.5	70.0 - 130	126318934
Bromofluorobenzene (SURR)	2296153	Unknown	18.9	20.0	ug/L	94.5	70.0 - 130	126318934
Dibromofluoromethane (SURR)	2296153	Unknown	19.0	20.0	ug/L	95.0	70.0 - 130	126318934
TolueneD8 (SURR)	2296153	Unknown	18.9	20.0	ug/L	94.5	70.0 - 130	126318934
1,2-DCA-d4 (SURR)	2296679	MS	16.7	20.0	ug/L	83.5	70.0 - 130	126318932
1,2-DCA-d4 (SURR)	2296679	MSD	17.3	20.0	ug/L	86.5	70.0 - 130	126318933
Bromofluorobenzene (SURR)	2296679	MS	19.6	20.0	ug/L	98.0	70.0 - 130	126318932
Bromofluorobenzene (SURR)	2296679	MSD	19.2	20.0	ug/L	96.0	70.0 - 130	126318933
Dibromofluoromethane (SURR)	2296679	MS	18.9	20.0	ug/L	94.5	70.0 - 130	126318932
Dibromofluoromethane (SURR)	2296679	MSD	18.2	20.0	ug/L	91.0	70.0 - 130	126318933
TolueneD8 (SURR)	2296679	MS	19.2	20.0	ug/L	96.0	70.0 - 130	126318932
TolueneD8 (SURR)	2296679	MSD	19.1	20.0	ug/L	95.5	70.0 - 130	126318933

Analytical Set 1118722

EPA 624.1

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1118722	174	185	1.7	0 - 2.00	126324146
BFB Mass 174	1118722	95.0	11209	65.0	50.0 - 100	126324146
BFB Mass 175	1118722	174	906	8.1	5.00 - 9.00	126324146
BFB Mass 176	1118722	174	10821	96.5	95.0 - 101	126324146
BFB Mass 177	1118722	176	768	7.1	5.00 - 9.00	126324146
BFB Mass 50	1118722	95.0	3315	19.2	15.0 - 40.0	126324146
BFB Mass 75	1118722	95.0	8950	51.9	30.0 - 60.0	126324146
BFB Mass 95	1118722	95.0	17247	100.0	100 - 100	126324146

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1102006

Printed 05/20/2024

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 96	1118722	95.0	1208	7.0	5.00 - 9.00	126324146

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Acrolein	1118722	ND	2.33	4.00	ug/L	126324150
Acrylonitrile	1118722	ND	0.998	1.00	ug/L	126324150

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1118722	LCS	74760	97380	48690	146100	126324148	1118722
1,4-DichlorobenzeneD4 (ISTD)	1118722	LCS Dup	73820	97380	48690	146100	126324149	1118722
1,4-DichlorobenzeneD4 (ISTD)	1118722	Blank	70900	97380	48690	146100	126324150	1118722
ChlorobenzeneD5 (ISTD)	1118722	LCS	130800	178300	89140	267400	126324148	1118722
ChlorobenzeneD5 (ISTD)	1118722	LCS Dup	134200	178300	89140	267400	126324149	1118722
ChlorobenzeneD5 (ISTD)	1118722	Blank	136300	178300	89140	267400	126324150	1118722
1,4-DichlorobenzeneD4 (ISTD)	2296165	Unknown	71670	97380	48690	146100	126324152	1118722
ChlorobenzeneD5 (ISTD)	2296165	Unknown	132700	178300	89140	267400	126324152	1118722
1,4-DichlorobenzeneD4 (ISTD)	2296166	Unknown	67640	97380	48690	146100	126324153	1118722
ChlorobenzeneD5 (ISTD)	2296166	Unknown	131200	178300	89140	267400	126324153	1118722
1,4-DichlorobenzeneD4 (ISTD)	2296680	MS	66100	97380	48690	146100	126324155	1118722
1,4-DichlorobenzeneD4 (ISTD)	2296680	MSD	69820	97380	48690	146100	126324156	1118722
ChlorobenzeneD5 (ISTD)	2296680	MS	118400	178300	89140	267400	126324155	1118722
ChlorobenzeneD5 (ISTD)	2296680	MSD	124700	178300	89140	267400	126324156	1118722

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1118722	LCS	11.97	11.97	11.91	12.03	126324148	1118722
1,4-DichlorobenzeneD4 (ISTD)	1118722	LCS Dup	11.97	11.97	11.91	12.03	126324149	1118722
1,4-DichlorobenzeneD4 (ISTD)	1118722	Blank	11.97	11.97	11.91	12.03	126324150	1118722
ChlorobenzeneD5 (ISTD)	1118722	LCS	9.591	9.597	9.537	9.657	126324148	1118722
ChlorobenzeneD5 (ISTD)	1118722	LCS Dup	9.597	9.597	9.537	9.657	126324149	1118722
ChlorobenzeneD5 (ISTD)	1118722	Blank	9.597	9.597	9.537	9.657	126324150	1118722
1,4-DichlorobenzeneD4 (ISTD)	2296165	Unknown	11.97	11.97	11.91	12.03	126324152	1118722
ChlorobenzeneD5 (ISTD)	2296165	Unknown	9.597	9.597	9.537	9.657	126324152	1118722
1,4-DichlorobenzeneD4 (ISTD)	2296166	Unknown	11.97	11.97	11.91	12.03	126324153	1118722
ChlorobenzeneD5 (ISTD)	2296166	Unknown	9.597	9.597	9.537	9.657	126324153	1118722
1,4-DichlorobenzeneD4 (ISTD)	2296680	MS	11.97	11.97	11.91	12.03	126324155	1118722
1,4-DichlorobenzeneD4 (ISTD)	2296680	MSD	11.97	11.97	11.91	12.03	126324156	1118722
ChlorobenzeneD5 (ISTD)	2296680	MS	9.597	9.597	9.537	9.657	126324155	1118722
ChlorobenzeneD5 (ISTD)	2296680	MSD	9.597	9.597	9.537	9.657	126324156	1118722

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Acrolein	1118722	33.0	32.0	40.0	60.0 - 140	82.5	80.0	ug/L	3.08	30.0
Acrylonitrile	1118722	41.4	40.3	40.0	60.0 - 140	104	101	ug/L	2.93	30.0

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ODES-W

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Jason Wells
817 West 42nd St.
Odessa, TX 79764

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Acrolein	2296680	141000	130000	ND	400000	40.0 - 160	35.2 *	32.5 *	ug/L	8.12	60.0
Acrylonitrile	2296680	395000	378000	ND	400000	40.0 - 160	98.8	94.5	ug/L	4.40	60.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1118722	LCS	19.0	20.0	ug/L	95.0	70.0 - 130	126324148
1,2-DCA-d4 (SURR)	1118722	LCS Dup	19.8	20.0	ug/L	99.0	70.0 - 130	126324149
1,2-DCA-d4 (SURR)	1118722	Blank	19.3	20.0	ug/L	96.5	70.0 - 130	126324150
Bromofluorobenzene (SURR)	1118722	LCS	18.3	20.0	ug/L	91.5	70.0 - 130	126324148
Bromofluorobenzene (SURR)	1118722	LCS Dup	18.5	20.0	ug/L	92.5	70.0 - 130	126324149
Bromofluorobenzene (SURR)	1118722	Blank	19.0	20.0	ug/L	95.0	70.0 - 130	126324150
Dibromofluoromethane (SURR)	1118722	LCS	18.7	20.0	ug/L	93.5	70.0 - 130	126324148
Dibromofluoromethane (SURR)	1118722	LCS Dup	18.4	20.0	ug/L	92.0	70.0 - 130	126324149
Dibromofluoromethane (SURR)	1118722	Blank	18.8	20.0	ug/L	94.0	70.0 - 130	126324150
TolueneD8 (SURR)	1118722	LCS	19.0	20.0	ug/L	95.0	70.0 - 130	126324148
TolueneD8 (SURR)	1118722	LCS Dup	19.4	20.0	ug/L	97.0	70.0 - 130	126324149
TolueneD8 (SURR)	1118722	Blank	19.1	20.0	ug/L	95.5	70.0 - 130	126324150
1,2-DCA-d4 (SURR)	2296165	Unknown	19.5	20.0	ug/L	97.5	70.0 - 130	126324152
Bromofluorobenzene (SURR)	2296165	Unknown	18.5	20.0	ug/L	92.5	70.0 - 130	126324152
Dibromofluoromethane (SURR)	2296165	Unknown	18.8	20.0	ug/L	94.0	70.0 - 130	126324152
TolueneD8 (SURR)	2296165	Unknown	19.4	20.0	ug/L	97.0	70.0 - 130	126324152
1,2-DCA-d4 (SURR)	2296166	Unknown	19.3	20.0	ug/L	96.5	70.0 - 130	126324153
Bromofluorobenzene (SURR)	2296166	Unknown	19.4	20.0	ug/L	97.0	70.0 - 130	126324153
Dibromofluoromethane (SURR)	2296166	Unknown	19.0	20.0	ug/L	95.0	70.0 - 130	126324153
TolueneD8 (SURR)	2296166	Unknown	19.0	20.0	ug/L	95.0	70.0 - 130	126324153
1,2-DCA-d4 (SURR)	2296680	MS	20.1	20.0	ug/L	100	70.0 - 130	126324155
1,2-DCA-d4 (SURR)	2296680	MSD	19.9	20.0	ug/L	99.5	70.0 - 130	126324156
Bromofluorobenzene (SURR)	2296680	MS	18.2	20.0	ug/L	91.0	70.0 - 130	126324155
Bromofluorobenzene (SURR)	2296680	MSD	18.4	20.0	ug/L	92.0	70.0 - 130	126324156
Dibromofluoromethane (SURR)	2296680	MS	19.1	20.0	ug/L	95.5	70.0 - 130	126324155
Dibromofluoromethane (SURR)	2296680	MSD	18.8	20.0	ug/L	94.0	70.0 - 130	126324156
TolueneD8 (SURR)	2296680	MS	19.9	20.0	ug/L	99.5	70.0 - 130	126324155
TolueneD8 (SURR)	2296680	MSD	19.0	20.0	ug/L	95.0	70.0 - 130	126324156

Analytical Set 1118732 EPA 624.1

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1118732	174	185	1.7	0 - 2.00	126324229
BFB Mass 174	1118732	95.0	11209	65.0	50.0 - 100	126324229
BFB Mass 175	1118732	174	906	8.1	5.00 - 9.00	126324229
BFB Mass 176	1118732	174	10821	96.5	95.0 - 101	126324229
BFB Mass 177	1118732	176	768	7.1	5.00 - 9.00	126324229
BFB Mass 50	1118732	95.0	3315	19.2	15.0 - 40.0	126324229
BFB Mass 75	1118732	95.0	8950	51.9	30.0 - 60.0	126324229
BFB Mass 95	1118732	95.0	17247	100.0	100 - 100	126324229

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

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1102006

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BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 96	1118732	95.0	1208	7.0	5.00 - 9.00	126324229

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
1,1,1-Trichloroethane	1118732	ND	0.531	1.00	ug/L	126324233
1,1,2-Trichloroethane	1118732	ND	0.563	1.00	ug/L	126324233
1,1-Dichloroethane	1118732	ND	0.593	1.00	ug/L	126324233
1,1-Dichloroethylene	1118732	ND	0.574	1.00	ug/L	126324233
1,2-Dichloroethane	1118732	ND	0.590	1.00	ug/L	126324233
1,2-Dichloropropane	1118732	ND	0.615	1.00	ug/L	126324233
Benzene	1118732	ND	0.453	1.00	ug/L	126324233
Bromodichloromethane	1118732	ND	0.409	1.00	ug/L	126324233
Bromoform	1118732	ND	0.500	1.00	ug/L	126324233
Carbon Tetrachloride	1118732	ND	0.299	1.00	ug/L	126324233
Chlorobenzene	1118732	ND	0.558	1.00	ug/L	126324233
Chloroethane	1118732	ND	1.12	1.12	ug/L	126324233
Chloroform	1118732	ND	0.463	1.00	ug/L	126324233
Chloromethane (Methyl Chloride)	1118732	ND	0.811	1.00	ug/L	126324233
cis-1,3-Dichloropropene	1118732	ND	0.660	1.00	ug/L	126324233
Dibromochloromethane	1118732	ND	0.311	1.00	ug/L	126324233
Dichloromethane	1118732	ND	1.02	1.02	ug/L	126324233
Ethylbenzene	1118732	ND	0.498	1.00	ug/L	126324233
m-Dichlorobenzene (1,3-DCB)	1118732	ND	0.619	1.00	ug/L	126324233
o-Dichlorobenzene (1,2-DCB)	1118732	ND	0.532	1.00	ug/L	126324233
p-Dichlorobenzene (1,4-DCB)	1118732	ND	0.837	1.00	ug/L	126324233
Tetrachloroethylene	1118732	ND	0.607	1.00	ug/L	126324233
Toluene	1118732	ND	0.655	1.00	ug/L	126324233
trans-1,2-Dichloroethylene	1118732	ND	0.701	1.00	ug/L	126324233
trans-1,3-Dichloropropene	1118732	ND	0.627	1.00	ug/L	126324233
Trichloroethylene	1118732	ND	0.521	1.00	ug/L	126324233
Vinyl chloride	1118732	ND	0.702	1.00	ug/L	126324233

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1118732	LCS	74760	97380	48690	146100	126324231	1118732
1,4-DichlorobenzeneD4 (ISTD)	1118732	LCS Dup	73820	97380	48690	146100	126324232	1118732
1,4-DichlorobenzeneD4 (ISTD)	1118732	Blank	70900	97380	48690	146100	126324233	1118732
ChlorobenzeneD5 (ISTD)	1118732	LCS	130800	178300	89140	267400	126324231	1118732
ChlorobenzeneD5 (ISTD)	1118732	LCS Dup	134200	178300	89140	267400	126324232	1118732
ChlorobenzeneD5 (ISTD)	1118732	Blank	136300	178300	89140	267400	126324233	1118732
1,4-DichlorobenzeneD4 (ISTD)	2296165	Unknown	71670	97380	48690	146100	126324234	1118732
ChlorobenzeneD5 (ISTD)	2296165	Unknown	132700	178300	89140	267400	126324234	1118732
1,4-DichlorobenzeneD4 (ISTD)	2296166	Unknown	67640	97380	48690	146100	126324235	1118732
ChlorobenzeneD5 (ISTD)	2296166	Unknown	131200	178300	89140	267400	126324235	1118732
1,4-DichlorobenzeneD4 (ISTD)	2296680	MS	66100	97380	48690	146100	126324237	1118732

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1102006

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IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	2296680	MSD	69820	97380	48690	146100	126324238	1118732
ChlorobenzeneD5 (ISTD)	2296680	MS	118400	178300	89140	267400	126324237	1118732
ChlorobenzeneD5 (ISTD)	2296680	MSD	124700	178300	89140	267400	126324238	1118732

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1118732	LCS	11.97	11.97	11.91	12.03	126324231	1118732
1,4-DichlorobenzeneD4 (ISTD)	1118732	LCS Dup	11.97	11.97	11.91	12.03	126324232	1118732
1,4-DichlorobenzeneD4 (ISTD)	1118732	Blank	11.97	11.97	11.91	12.03	126324233	1118732
ChlorobenzeneD5 (ISTD)	1118732	LCS	9.591	9.597	9.537	9.657	126324231	1118732
ChlorobenzeneD5 (ISTD)	1118732	LCS Dup	9.597	9.597	9.537	9.657	126324232	1118732
ChlorobenzeneD5 (ISTD)	1118732	Blank	9.597	9.597	9.537	9.657	126324233	1118732
1,4-DichlorobenzeneD4 (ISTD)	2296165	Unknown	11.97	11.97	11.91	12.03	126324234	1118732
ChlorobenzeneD5 (ISTD)	2296165	Unknown	9.597	9.597	9.537	9.657	126324234	1118732
1,4-DichlorobenzeneD4 (ISTD)	2296166	Unknown	11.97	11.97	11.91	12.03	126324235	1118732
ChlorobenzeneD5 (ISTD)	2296166	Unknown	9.597	9.597	9.537	9.657	126324235	1118732
1,4-DichlorobenzeneD4 (ISTD)	2296680	MS	11.97	11.97	11.91	12.03	126324237	1118732
1,4-DichlorobenzeneD4 (ISTD)	2296680	MSD	11.97	11.97	11.91	12.03	126324238	1118732
ChlorobenzeneD5 (ISTD)	2296680	MS	9.597	9.597	9.537	9.657	126324237	1118732
ChlorobenzeneD5 (ISTD)	2296680	MSD	9.597	9.597	9.537	9.657	126324238	1118732

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,1,1-Trichloroethane	1118732	18.7	18.0	20.0	70.0 - 130	93.5	90.0	ug/L	3.81	21.0
1,1,2,2-Tetrachloroethane	1118732	15.5	15.6	20.0	60.0 - 140	77.5	78.0	ug/L	0.643	36.0
1,1,2-Trichloroethane	1118732	17.7	17.2	20.0	70.0 - 130	88.5	86.0	ug/L	2.87	27.0
1,1-Dichloroethane	1118732	19.9	18.7	20.0	70.0 - 130	99.5	93.5	ug/L	6.22	24.0
1,1-Dichloroethylene	1118732	18.7	17.8	20.0	50.0 - 150	93.5	89.0	ug/L	4.93	40.0
1,2-Dichloroethane	1118732	20.2	19.7	20.0	70.0 - 130	101	98.5	ug/L	2.51	29.0
1,2-Dichloropropane	1118732	19.3	18.6	20.0	35.0 - 165	96.5	93.0	ug/L	3.69	69.0
Benzene	1118732	19.9	19.1	20.0	65.0 - 135	99.5	95.5	ug/L	4.10	33.0
Bromodichloromethane	1118732	18.3	17.4	20.0	65.0 - 135	91.5	87.0	ug/L	5.04	34.0
Bromoform	1118732	17.3	17.5	20.0	70.0 - 130	86.5	87.5	ug/L	1.15	25.0
Bromomethane (Methyl Bromi	1118732	11.3	10.8	20.0	15.0 - 185	56.5	54.0	ug/L	4.52	90.0
Carbon Tetrachloride	1118732	18.2	17.5	20.0	70.0 - 130	91.0	87.5	ug/L	3.92	26.0
Chlorobenzene	1118732	20.4	19.6	20.0	65.0 - 135	102	98.0	ug/L	4.00	29.0
Chloroethane	1118732	15.1	14.4	20.0	40.0 - 160	75.5	72.0	ug/L	4.75	47.0
Chloroform	1118732	18.8	18.0	20.0	70.0 - 135	94.0	90.0	ug/L	4.35	32.0
Chloromethane (Methyl Chloride)	1118732	13.5	13.0	20.0	0.100 - 205	67.5	65.0	ug/L	3.77	472
cis-1,3-Dichloropropene	1118732	17.4	16.5	20.0	25.0 - 175	87.0	82.5	ug/L	5.31	79.0
Dibromochloromethane	1118732	18.7	18.4	20.0	70.0 - 135	93.5	92.0	ug/L	1.62	30.0
Dichloromethane	1118732	17.8	17.5	20.0	60.0 - 140	89.0	87.5	ug/L	1.70	192
Ethylbenzene	1118732	20.6	19.7	20.0	60.0 - 140	103	98.5	ug/L	4.47	34.0
m-Dichlorobenzene (1,3-DCB)	1118732	20.3	20.3	20.0	70.0 - 130	102	102	ug/L	0	24.0
o-Dichlorobenzene (1,2-DCB)	1118732	18.0	18.7	20.0	65.0 - 135	90.0	93.5	ug/L	3.81	31.0

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Odessa, TX 79764

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1102006

Printed 05/20/2024

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
p-Dichlorobenzene (1,4-DCB)	1118732	17.2	17.5	20.0	65.0 - 135	86.0	87.5	ug/L	1.73	31.0
Tetrachloroethylene	1118732	21.4	20.8	20.0	70.0 - 130	107	104	ug/L	2.84	23.0
Toluene	1118732	20.2	19.5	20.0	70.0 - 130	101	97.5	ug/L	3.53	22.0
trans-1,2-Dichloroethylene	1118732	18.6	17.9	20.0	70.0 - 130	93.0	89.5	ug/L	3.84	27.0
trans-1,3-Dichloropropene	1118732	18.7	18.0	20.0	50.0 - 150	93.5	90.0	ug/L	3.81	52.0
Trichloroethylene	1118732	18.6	17.4	20.0	65.0 - 135	93.0	87.0	ug/L	6.67	29.0
Vinyl chloride	1118732	14.4	13.7	20.0	5.00 - 195	72.0	68.5	ug/L	4.98	100

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
1,1,1-Trichloroethane	2296680	201000	187000	100	200000	52.0 - 162	100	93.4	ug/L	7.22	36.0
1,1,2,2-Tetrachloroethane	2296680	164000	155000	100	200000	46.0 - 157	82.0	77.4	ug/L	5.65	61.0
1,1,2-Trichloroethane	2296680	172000	171000	100	200000	52.0 - 150	86.0	85.4	ug/L	0.583	45.0
1,1-Dichloroethane	2296680	198000	185000	100	200000	59.0 - 155	99.0	92.4	ug/L	6.79	40.0
1,1-Dichloroethylene	2296680	190000	177000	100	200000	0.100 - 234	95.0	88.4	ug/L	7.09	32.0
1,2-Dichloroethane	2296680	215000	198000	100	200000	49.0 - 155	107	99.0	ug/L	8.24	49.0
1,2-Dichloropropane	2296680	200000	190000	100	200000	0.100 - 210	100	95.0	ug/L	5.13	55.0
Benzene	2296680	206000	191000	100	200000	37.0 - 151	103	95.4	ug/L	7.56	61.0
Bromodichloromethane	2296680	188000	170000	100	200000	35.0 - 155	94.0	85.0	ug/L	10.1	56.0
Bromoform	2296680	176000	169000	100	200000	45.0 - 169	88.0	84.4	ug/L	4.06	42.0
Bromomethane (Methyl Bromi	2296680	79800	80200	100	200000	0.100 - 242	39.8	40.0	ug/L	0.501	61.0
Carbon Tetrachloride	2296680	197000	184000	100	200000	70.0 - 140	98.4	92.0	ug/L	6.83	41.0
Chlorobenzene	2296680	214000	197000	100	200000	37.0 - 160	107	98.4	ug/L	8.28	53.0
Chloroethane	2296680	181000	152000	100	200000	14.0 - 230	90.4	76.0	ug/L	17.4	78.0
Chloroform	2296680	200000	180000	100	200000	51.0 - 138	100	90.0	ug/L	10.5	54.0
Chloromethane (Methyl Chloride)	2296680	127000	118000	100	200000	0.100 - 273	63.4	59.0	ug/L	7.35	60.0
cis-1,3-Dichloropropene	2296680	172000	160000	100	200000	0.100 - 227	86.0	80.0	ug/L	7.23	58.0
Dibromochloromethane	2296680	186000	180000	100	200000	53.0 - 149	93.0	90.0	ug/L	3.28	50.0
Dichloromethane	2296680	188000	169000	100	200000	0.100 - 221	94.0	84.4	ug/L	10.7	28.0
Ethylbenzene	2296680	210000	195000	100	200000	37.0 - 162	105	97.4	ug/L	7.41	63.0
m-Dichlorobenzene (1,3-DCB)	2296680	207000	194000	100	200000	59.0 - 156	103	97.0	ug/L	6.49	43.0
o-Dichlorobenzene (1,2-DCB)	2296680	194000	180000	100	200000	18.0 - 190	97.0	90.0	ug/L	7.49	57.0
p-Dichlorobenzene (1,4-DCB)	2296680	188000	172000	100	200000	18.0 - 190	94.0	86.0	ug/L	8.89	57.0
Tetrachloroethylene	2296680	224000	202000	100	200000	64.0 - 148	112	101	ug/L	10.3	39.0
Toluene	2296680	237000	220000	28800	200000	47.0 - 150	104	95.6	ug/L	8.51	41.0
trans-1,2-Dichloroethylene	2296680	188000	172000	100	200000	54.0 - 156	94.0	86.0	ug/L	8.89	45.0
trans-1,3-Dichloropropene	2296680	184000	169000	100	200000	17.0 - 183	92.0	84.4	ug/L	8.50	86.0
Trichloroethylene	2296680	187000	166000	100	200000	70.0 - 157	93.4	83.0	ug/L	11.9	48.0
Vinyl chloride	2296680	139000	131000	100	200000	0.100 - 251	69.4	65.4	ug/L	5.93	66.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1118732	LCS	19.0	20.0	ug/L	95.0	70.0 - 130	126324231
1,2-DCA-d4 (SURR)	1118732	LCS Dup	19.8	20.0	ug/L	99.0	70.0 - 130	126324232
1,2-DCA-d4 (SURR)	1118732	Blank	19.3	20.0	ug/L	96.5	70.0 - 130	126324233

QUALITY CONTROL

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City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1102006

Printed 05/20/2024

Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Bromofluorobenzene (SURR)	1118732	LCS	18.3	20.0	ug/L	91.5	70.0 - 130	126324231
Bromofluorobenzene (SURR)	1118732	LCS Dup	18.5	20.0	ug/L	92.5	70.0 - 130	126324232
Bromofluorobenzene (SURR)	1118732	Blank	19.0	20.0	ug/L	95.0	70.0 - 130	126324233
Dibromofluoromethane (SURR)	1118732	LCS	18.7	20.0	ug/L	93.5	70.0 - 130	126324231
Dibromofluoromethane (SURR)	1118732	LCS Dup	18.4	20.0	ug/L	92.0	70.0 - 130	126324232
Dibromofluoromethane (SURR)	1118732	Blank	18.8	20.0	ug/L	94.0	70.0 - 130	126324233
TolueneD8 (SURR)	1118732	LCS	19.0	20.0	ug/L	95.0	70.0 - 130	126324231
TolueneD8 (SURR)	1118732	LCS Dup	19.4	20.0	ug/L	97.0	70.0 - 130	126324232
TolueneD8 (SURR)	1118732	Blank	19.1	20.0	ug/L	95.5	70.0 - 130	126324233
1,2-DCA-d4 (SURR)	2296165	Unknown	19.5	20.0	ug/L	97.5	70.0 - 130	126324234
Bromofluorobenzene (SURR)	2296165	Unknown	18.5	20.0	ug/L	92.5	70.0 - 130	126324234
Dibromofluoromethane (SURR)	2296165	Unknown	18.8	20.0	ug/L	94.0	70.0 - 130	126324234
TolueneD8 (SURR)	2296165	Unknown	19.4	20.0	ug/L	97.0	70.0 - 130	126324234
1,2-DCA-d4 (SURR)	2296166	Unknown	19.3	20.0	ug/L	96.5	70.0 - 130	126324235
Bromofluorobenzene (SURR)	2296166	Unknown	19.4	20.0	ug/L	97.0	70.0 - 130	126324235
Dibromofluoromethane (SURR)	2296166	Unknown	19.0	20.0	ug/L	95.0	70.0 - 130	126324235
TolueneD8 (SURR)	2296166	Unknown	19.0	20.0	ug/L	95.0	70.0 - 130	126324235
1,2-DCA-d4 (SURR)	2296680	MS	20.1	20.0	ug/L	100	70.0 - 130	126324237
1,2-DCA-d4 (SURR)	2296680	MSD	19.9	20.0	ug/L	99.5	70.0 - 130	126324238
Bromofluorobenzene (SURR)	2296680	MS	18.2	20.0	ug/L	91.0	70.0 - 130	126324237
Bromofluorobenzene (SURR)	2296680	MSD	18.4	20.0	ug/L	92.0	70.0 - 130	126324238
Dibromofluoromethane (SURR)	2296680	MS	19.1	20.0	ug/L	95.5	70.0 - 130	126324237
Dibromofluoromethane (SURR)	2296680	MSD	18.8	20.0	ug/L	94.0	70.0 - 130	126324238
TolueneD8 (SURR)	2296680	MS	19.9	20.0	ug/L	99.5	70.0 - 130	126324237
TolueneD8 (SURR)	2296680	MSD	19.0	20.0	ug/L	95.0	70.0 - 130	126324238

* 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); MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); BFB - Bromofluorobenzene, GC/MS Tuning Compound (mass intensity used as tuning acceptance criteria.); Surrogate - Surrogate (mimics the analyte of interest but is unlikely to be found in environmental samples; added to analytical samples for QC purposes. **ANSI/ASQC E4 1994 Ref #4 TRADE QA Resources Guide.); IS Areas - Internal Standard Area (The area of the internal stadard relative to a check standard. Internal Standard is a known concentration of an analyte(s) that is not a sample component or standard that is added to the sample and standard and is used to measure the relative responses of other analytes in the same sample or standard.); IS RetTime - Internal Standard Retention Time (the time the internal standard comes off the column. Internal Stardard is a known concentration of an analyte(s) that is not a sample component or standard that is added to the sample and standard and is used to measure the relative responses of other analytes in the same sample or standard.); CCV - Continuing Calibration Verification (same standard used to prepare the curve, typically a mid-range concentration; verifies the continued validity of the calibration curve)

1102006 CoC Print Group 001 of 001

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04/03/2024 Page 1 of 3

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

ODES-W
105

Phone 432/368-3536

PO Number Mandatory 22201773 - 01

WW 30 TAC 307 Annual

[✓] *Hand Delivered by Client to Region or LAB*

Matrix: Non-Potable Water

Sampler Printed Name Bryan Ybarra

Sampler Affiliation City of Odessa

Sampler Signature Bry

Samples Radioactive? [ ] Samples Contains Dioxin? [ ] Samples Biological Hazard? [ ]

Ana-Lab # (Lab Only)	Sample ID	Bottles	Date	Time	Notes
	~~Influent~~	1	5/6/24	1200	1 Poly Quart
229615 2	Influent	3	5/6/24	1210	40mL vials, $Na_2S_2O_3$
	~~Effluent~~	1	5/6/24	1215	1 Poly Quart
153	Effluent	3	5/6/24	1220	40mL vials, $Na_2S_2O_3$

0 On Site Testing

ClCk Field Cl2 Check for CNa

Field Cl2 Check for CNa

Collected By _____ Date _____ Time _____ Analyzed By _____ Date _____ Time _____

Results _____ Units _____ Duplicate _____

S2Ck Field Sulfide Check for CNa

Field Sulfide Check for CNa

Collected By _____ Date _____ Time _____ Analyzed By _____ Date _____ Time _____

Results _____ Units _____ Duplicate _____

already delivered

6 Amber Glass Qt w/Teflon lined lid

TACP ~~30 TAC 307 Organophosphorus~~ EPA 1657 (7.00 days)

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04/03/2024 Page 2 of 3

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105

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Mandatory 22201773 - 01

WW 30 TAC 307 Annual

already delivered

	HXPB	Hexachlorophene Expansion	EPA 604.1 CAS:70-30-4 (7.00 days)
NELAC	IODH	Herbicides (ODES)	EPA 615 (7.00 days)
	#DMM	Dicofol/Methoxychlor/Mirex	EPA 617 (7.00 days)
	TACS	30 TAC 307 Semivolatiles	EPA 625.1 (7.00 days)
NELAC	TYLC	Carbaryl/Diuron	EPA 632 (7.00 days)

0 Z -- No bottle required

CKLM	Check Limits	
FRLD	Force RLD Limits	

already delivered

1 HNO3 to pH <2 Polyethylene 500 mL for Metals

	3OTL	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)
NELAC	*AlM	Aluminum, Total	EPA 200.8 5.4 CAS:7429-90-5 (180 days)
NELAC	*BaM	Barium, Total	EPA 200.8 5.4 CAS:7440-39-3 (180 days)

2 Influent
2 Effluent

3 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)

TACv	30 TAC 307 THM/MEK/EDB	EPA 624.1 (7.00 days)

already delivered

2 NaOH to pH >12 Polyethylene 250 mL/amber

NELAC	CNa	Cyanide, total	SM 4500-CN⁻ E-2016 (14.0 days)
NELAC	CN-A	Cyanide - Available/Amenable	SM 4500-CN⁻ G-2016 (14.0 days)
NELAC	CNCl	Cyanide After Chlorination	SM 4500-CN⁻ G-2016 (14.0 days)

1 Influent
1 Effluent

1 Polyethylene Quart

NELAC	1PIL	Fluoride	EPA 300.0 2.1 (28.0 days)
NELAC Short Hold	1N3L	Nitrate-Nitrogen Total	EPA 300.0 2.1 CAS:14797-55-8 (2.00 days)
NELAC Short Hold	Cr+6	Hexavalent Chromium	SM 3500-Cr B-2011 CAS:18540-29-9 (1.00 days)

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04/03/2024 Page 3 of 3

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

ODES-W
105

Phone 432/368-3536

Mandatory 22201773 - 01

WW 30 TAC 307 Annual

Date Time	Relinquished	Received
5-6-24	Printed Name Bryan Yborra Affiliation City of Odessa	Printed Name LANCE WARD Affiliation Odessa Lab
5-6-24	Signature	Signature Lance Ward
5-6-24 1341	Printed Name LANCE WARD Affiliation Odessa Lab	Printed Name Jason Wells Affiliation Odessa Lab
	Signature Lance Ward	Signature Jason Wells
5/6/24	Printed Name Jason Wells Affiliation Odessa Lab	Printed Name ~~Rayshawn Thompson SPL~~ Affiliation FedEx
2:30PM	Signature Jason Wells	Signature
5/7/24	Printed Name FedEx Affiliation	Printed Name Affiliation Rayshawn Thompson SPL, Inc.
1025	Signature	Signature

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

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

Comments

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CHAIN OF CUSTODY

04/03/2024 Page 1 of 2

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

ODES-W 104

Phone 432-368-3536

PO Number Mandatory 22201773 - 01

Wastewater Table II Annual

☑ *Hand Delivered by Client to Region or LAB*

Matrix: Non-Potable Water

Sampler Printed Name: Bryan Ybarra
Sampler Affiliation: City of Odessa
Sampler Signature: [signature]

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

Ana-Lab # (Lab Only)	Sample ID	Bottles	Date	Time	Notes
2296165	Influent	3	5/6/24	1230	40mL vials, $Na_2S_2O_3$
166	Effluent	3	5/6/24	1245	40mL vials, $Na_2S_2O_3$

already delivered

~~[2] Amber Glass Qt w/Teflon lined lid~~

NELAC	IODP	Pesticides (ODES)	EPA 608.3 (7.00 days)
NELAC	IPCB	Polychlorinated Biphenyls	EPA 608.3 (7.00 days)

~~[2] Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid~~

NELAC Short Hold	$AAE	Acrolein/Acrylonitrile Exp.	EPA 624.1 (3.00 days)

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

NYPE	Nonyl Phenol Expansion	ASTM D7065-11 (14.0 days)

~~[2] Amber Glass Qt w/Teflon lined lid~~

	2378	2,3,7,8-TCDD Scan	EPA 625.1 (7.00 days)
NELAC	TTOS	TTO SVOC 40 CFR 122 Table II	EPA 625.1 (7.00 days)

[0] Z -- No bottle required

CTTO	Calculated TTO
CKLM	Check Limits
FRLD	Force RLD Limits

already delivered

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

301L	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)

West Texas-Abilene: 521 S Access Rd W STE 105 Clyde TX 79510

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04/03/2024 Page 2 of 2

City of Odessa
Jason Wells
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Odessa, TX 79764

ODES-W
104

Phone 432-368-3536

Mandatory 22201773 - 01

Wastewater Table II Annual

NELAC *MoM Molybdenum, Total EPA 200.8 5.4 CAS:7439-98-7 (180 days)

3 Influent
3 Effluent

3 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)

NELAC Short Hold $ODV TTO - VOC (ODES) EPA 624.1 (3.00 days)

Date Time	Relinquished		Received	
5-6 1310	Printed Name Bryan Ybarra	Affiliation City of Odessa	Printed Name LANCE WARD	Affiliation Odessa Lab
5-6 1310	Signature [signature]		Signature Lance Ward	
5-6-24 1341	Printed Name LANCE WARD	Affiliation Odessa Lab	Printed Name Jason Wells	Affiliation Odessa Lab
5/6/24	Signature Lance Ward		Signature Jason Wells	
5/6/24 2:30PM	Printed Name Jason Wells	Affiliation Odessa Lab	Printed Name Rayshawn Thompson SPL	Affiliation 5/7/24
	Signature Jason Wells		Signature Fed EX	
5/7/24	Printed Name Fed EX	Affiliation	Printed Name Rayshawn Thompson SPL, Inc.	Affiliation
1025	Signature		Signature [signature]	

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

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

Comments

FedEx Express
Package US Airbill
8180 5787 1913
1 From
Date 5/6/24
Sender's Name Jason Wells
Phone 432 368-3536
Company CITY OF ODESSA/LAB SVC
Address 61 W 42ND ST
City ODESSA
State TX ZIP 79764-4000
2 Your Internal Billing Reference
3 To
Recipient's Name
Phone 403 984 0551
Company SPL
Address 2600 Dallas Rd
Address
City Kilgore
State TX ZIP 75662
4 Express Package Service
FedEx First Overnight
FedEx 2Day A.M.
FedEx Priority Overnight
FedEx 2Day
FedEx Standard Overnight
FedEx Express Saver
5 Packaging
FedEx Envelope
FedEx Pak
FedEx Box
FedEx Tube
6 Special Handling and Delivery Signature Options
Saturday Delivery
No Signature Required
Direct Signature
Indirect Signature
Dry Ice
Hold Weekday
Hold Saturday
Kraft Only
Date
Time
Temp:
To
Therm#: 8444 Corr Fact: 0.2 C
611
0140354757
8180 5787 1913
00200
00111
fedex.com 1.800.GoFedEx 1.800.463.3339

AH GGGA
75662
TX-US
SHV

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Project
1101253

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Printed 05/15/2024
16:45

TABLE OF CONTENTS

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

Report Name	Description	Pages
1101253_r02_01_ProjectSamples	SPL Kilgore Project P:1101253 C:ODES Project Sample Cross Reference t:304	7
1101253_r03_03_ProjectResults	SPL Kilgore Project P:1101253 C:ODES Project Results t:304 PO: 22201773 - 01	21
1101253_r10_05_ProjectQC	SPL Kilgore Project P:1101253 C:ODES Project Quality Control Groups	53
1101253_r99_09_CoC__1_of_2	SPL Kilgore CoC ODES 1101253_1_of_2	10
1101253_r99_09_CoC__2_of_2	SPL Kilgore CoC ODES 1101253_2_of_2	3
	Total Pages:	94

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SAMPLE CROSS REFERENCE

Project
1101253

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Sample	Sample ID	Taken	Time	Received
2294549	*30 TAC 307 Sludge*	04/26/2024	14:00:00	04/30/2024

Bottle 01 Glass 4 oz w/Teflon lined lid
Bottle 02 Glass 4 oz w/Teflon lined lid
Bottle 03 Glass 4 oz w/Teflon lined lid
Bottle 04 Glass 4 oz w/Teflon lined lid
Bottle 05 Glass 4 oz w/Teflon lined lid
Bottle 06 Glass 4 oz w/Teflon lined lid
Bottle 07 Glass 4 oz w/Teflon lined lid
Bottle 08 Glass 4 oz w/Teflon lined lid
Bottle 09 Glass 4 oz w/Teflon lined lid
Bottle 10 Glass 8 oz w/Teflon lined lid
Bottle 11 Glass 8 oz w/Teflon lined lid
Bottle 12 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117019) Volume: 10.00000 mL <== Derived from 11 (0.1 grams)
Bottle 13 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117019) Volume: 10.00000 mL <== Derived from 11 (0.1 grams)
Bottle 14 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117019) Volume: 10.00000 mL <== Derived from 11 (0.1 grams)
Bottle 15 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117061) Volume: 10.00000 mL <== Derived from 11 (1.0 grams)
Bottle 16 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117061) Volume: 10.00000 mL <== Derived from 11 (1.0 grams)
Bottle 17 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117061) Volume: 10.00000 mL <== Derived from 11 (1.0 grams)
Bottle 18 Prepared Bottle: 2 mL Glass vial (Batch 1117396) Volume: 50.00000 mL <== Derived from 01 (5 grams)
Bottle 19 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117462) Volume: 1.00000 mL <== Derived from 04 (30.0 grams)
Bottle 20 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117669) Volume: 10.00000 mL <== Derived from 04 (2.0 grams)
Bottle 21 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117669) Volume: 10.00000 mL <== Derived from 04 (2.0 grams)
Bottle 22 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117669) Volume: 10.00000 mL <== Derived from 04 (2.0 grams)
Bottle 23 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1117677) Volume: 1.00000 mL <== Derived from 11 (30 grams)
Bottle 24 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1117677) Volume: 1.00000 mL <== Derived from 11 (30 grams)
Bottle 25 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1117677) Volume: 1.00000 mL <== Derived from 11 (30 grams)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1117794) Volume: 50.00000 mL <== Derived from 04 (2.5 grams)
Bottle 27 Prepared Bottle: Water Extract (Batch 1117927) Volume: 100.00000 mL <== Derived from 01 (10 grams)
Bottle 28 Prepared Bottle: 40 mL Vial Extract (Batch 1118026) Volume: 5.00000 mL <== Derived from 10 (30.0 grams)
Bottle 29 Prepared Bottle: 40 mL Vial Extract (Batch 1118026) Volume: 5.00000 mL <== Derived from 10 (30 grams)
Bottle 30 Prepared Bottle: 40 mL Vial Extract (Batch 1118026) Volume: 5.00000 mL <== Derived from 10 (30.0 grams)
Bottle 31 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1118065) Volume: 10.00000 mL <== Derived from 11 (30.0 grams)
Bottle 32 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1118243) Volume: 1.00000 mL <== Derived from 10 (30 grams)
Bottle 33 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1118243) Volume: 1.00000 mL <== Derived from 10 (30.0 grams)
Bottle 34 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1118243) Volume: 1.00000 mL <== Derived from 10 (30.0 grams)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 8081A	31	1118065	05/07/2024	1118504	05/08/2024
EPA 8151A	20	1117669	05/03/2024	1118249	05/07/2024
EPA 8321B	23	1117677	05/03/2024	1118382	05/07/2024
EPA 9056	18	1117396	05/02/2024	1117711	05/03/2024
EPA 8321B	28	1118026	05/07/2024	1118254	05/07/2024

Email: Kilgore.ProjectManagement@spllabs.com

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SAMPLE CROSS REFERENCE

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1101253

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Sample	Sample ID	Taken	Time	Received
2294549	*30 TAC 307 Sludge*	04/26/2024	14:00:00	04/30/2024

Bottle 01 Glass 4 oz w/Teflon lined lid
Bottle 02 Glass 4 oz w/Teflon lined lid
Bottle 03 Glass 4 oz w/Teflon lined lid
Bottle 04 Glass 4 oz w/Teflon lined lid
Bottle 05 Glass 4 oz w/Teflon lined lid
Bottle 06 Glass 4 oz w/Teflon lined lid
Bottle 07 Glass 4 oz w/Teflon lined lid
Bottle 08 Glass 4 oz w/Teflon lined lid
Bottle 09 Glass 4 oz w/Teflon lined lid
Bottle 10 Glass 8 oz w/Teflon lined lid
Bottle 11 Glass 8 oz w/Teflon lined lid
Bottle 12 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117019) Volume: 10.00000 mL <== Derived from 11 (0.1 grams)
Bottle 13 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117019) Volume: 10.00000 mL <== Derived from 11 (0.1 grams)
Bottle 14 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117019) Volume: 10.00000 mL <== Derived from 11 (0.1 grams)
Bottle 15 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117061) Volume: 10.00000 mL <== Derived from 11 (1.0 grams)
Bottle 16 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117061) Volume: 10.00000 mL <== Derived from 11 (1.0 grams)
Bottle 17 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117061) Volume: 10.00000 mL <== Derived from 11 (1.0 grams)
Bottle 18 Prepared Bottle: 2 mL Glass vial (Batch 1117396) Volume: 50.00000 mL <== Derived from 01 (5 grams)
Bottle 19 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117462) Volume: 1.00000 mL <== Derived from 04 (30.0 grams)
Bottle 20 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117669) Volume: 10.00000 mL <== Derived from 04 (2.0 grams)
Bottle 21 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117669) Volume: 10.00000 mL <== Derived from 04 (2.0 grams)
Bottle 22 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117669) Volume: 10.00000 mL <== Derived from 04 (2.0 grams)
Bottle 23 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1117677) Volume: 1.00000 mL <== Derived from 11 (30 grams)
Bottle 24 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1117677) Volume: 1.00000 mL <== Derived from 11 (30 grams)
Bottle 25 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1117677) Volume: 1.00000 mL <== Derived from 11 (30 grams)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1117794) Volume: 50.00000 mL <== Derived from 04 (2.5 grams)
Bottle 27 Prepared Bottle: Water Extract (Batch 1117927) Volume: 100.00000 mL <== Derived from 01 (10 grams)
Bottle 28 Prepared Bottle: 40 mL Vial Extract (Batch 1118026) Volume: 5.00000 mL <== Derived from 10 (30.0 grams)
Bottle 29 Prepared Bottle: 40 mL Vial Extract (Batch 1118026) Volume: 5.00000 mL <== Derived from 10 (30 grams)
Bottle 30 Prepared Bottle: 40 mL Vial Extract (Batch 1118026) Volume: 5.00000 mL <== Derived from 10 (30.0 grams)
Bottle 31 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1118065) Volume: 10.00000 mL <== Derived from 11 (30.0 grams)
Bottle 32 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1118243) Volume: 1.00000 mL <== Derived from 10 (30 grams)
Bottle 33 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1118243) Volume: 1.00000 mL <== Derived from 10 (30.0 grams)
Bottle 34 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1118243) Volume: 1.00000 mL <== Derived from 10 (30.0 grams)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 8141A	32	1118243	05/08/2024	1118902	05/09/2024
EPA 8260B	01	1117309	05/01/2024	1117309	05/01/2024
EPA 8260B	01	1117331	05/01/2024	1117331	05/01/2024
EPA 8270C	19	1117462	05/02/2024	1119432	05/15/2024
EPA 6020A	26	1117794	05/06/2024	1118159	05/07/2024

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Project
1101253

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Sample	Sample ID	Taken	Time	Received
2294549	*30 TAC 307 Sludge*	04/26/2024	14:00:00	04/30/2024

Bottle 01 Glass 4 oz w/Teflon lined lid
Bottle 02 Glass 4 oz w/Teflon lined lid
Bottle 03 Glass 4 oz w/Teflon lined lid
Bottle 04 Glass 4 oz w/Teflon lined lid
Bottle 05 Glass 4 oz w/Teflon lined lid
Bottle 06 Glass 4 oz w/Teflon lined lid
Bottle 07 Glass 4 oz w/Teflon lined lid
Bottle 08 Glass 4 oz w/Teflon lined lid
Bottle 09 Glass 4 oz w/Teflon lined lid
Bottle 10 Glass 8 oz w/Teflon lined lid
Bottle 11 Glass 8 oz w/Teflon lined lid
Bottle 12 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117019) Volume: 10.00000 mL <== Derived from 11 (0.1 grams)
Bottle 13 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117019) Volume: 10.00000 mL <== Derived from 11 (0.1 grams)
Bottle 14 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117019) Volume: 10.00000 mL <== Derived from 11 (0.1 grams)
Bottle 15 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117061) Volume: 10.00000 mL <== Derived from 11 (1.0 grams)
Bottle 16 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117061) Volume: 10.00000 mL <== Derived from 11 (1.0 grams)
Bottle 17 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117061) Volume: 10.00000 mL <== Derived from 11 (1.0 grams)
Bottle 18 Prepared Bottle: 2 mL Glass vial (Batch 1117396) Volume: 50.00000 mL <== Derived from 01 (5 grams)
Bottle 19 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117462) Volume: 1.00000 mL <== Derived from 04 (30.0 grams)
Bottle 20 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117669) Volume: 10.00000 mL <== Derived from 04 (2.0 grams)
Bottle 21 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117669) Volume: 10.00000 mL <== Derived from 04 (2.0 grams)
Bottle 22 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117669) Volume: 10.00000 mL <== Derived from 04 (2.0 grams)
Bottle 23 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1117677) Volume: 1.00000 mL <== Derived from 11 (30 grams)
Bottle 24 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1117677) Volume: 1.00000 mL <== Derived from 11 (30 grams)
Bottle 25 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1117677) Volume: 1.00000 mL <== Derived from 11 (30 grams)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1117794) Volume: 50.00000 mL <== Derived from 04 (2.5 grams)
Bottle 27 Prepared Bottle: Water Extract (Batch 1117927) Volume: 100.00000 mL <== Derived from 01 (10 grams)
Bottle 28 Prepared Bottle: 40 mL Vial Extract (Batch 1118026) Volume: 5.00000 mL <== Derived from 10 (30.0 grams)
Bottle 29 Prepared Bottle: 40 mL Vial Extract (Batch 1118026) Volume: 5.00000 mL <== Derived from 10 (30 grams)
Bottle 30 Prepared Bottle: 40 mL Vial Extract (Batch 1118026) Volume: 5.00000 mL <== Derived from 10 (30.0 grams)
Bottle 31 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1118065) Volume: 10.00000 mL <== Derived from 11 (30.0 grams)
Bottle 32 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1118243) Volume: 1.00000 mL <== Derived from 10 (30 grams)
Bottle 33 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1118243) Volume: 1.00000 mL <== Derived from 10 (30.0 grams)
Bottle 34 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1118243) Volume: 1.00000 mL <== Derived from 10 (30.0 grams)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 6020A	26	1117794	05/06/2024	1117866	05/06/2024
EPA 9014			05/03/2024		05/03/2024
EPA 9014	15	1117061	05/01/2024	1117650	05/03/2024
EPA 9014	12	1117019	05/01/2024	1117645	05/03/2024
SM2540 G-1997 /MOD	02	1117011	04/30/2024	1117011	04/30/2024

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City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Sample	Sample ID	Taken	Time	Received
2294549	*30 TAC 307 Sludge*	04/26/2024	14:00:00	04/30/2024

Bottle 01 Glass 4 oz w/Teflon lined lid
Bottle 02 Glass 4 oz w/Teflon lined lid
Bottle 03 Glass 4 oz w/Teflon lined lid
Bottle 04 Glass 4 oz w/Teflon lined lid
Bottle 05 Glass 4 oz w/Teflon lined lid
Bottle 06 Glass 4 oz w/Teflon lined lid
Bottle 07 Glass 4 oz w/Teflon lined lid
Bottle 08 Glass 4 oz w/Teflon lined lid
Bottle 09 Glass 4 oz w/Teflon lined lid
Bottle 10 Glass 8 oz w/Teflon lined lid
Bottle 11 Glass 8 oz w/Teflon lined lid
Bottle 12 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117019) Volume: 10.00000 mL <== Derived from 11 (0.1 grams)
Bottle 13 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117019) Volume: 10.00000 mL <== Derived from 11 (0.1 grams)
Bottle 14 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117019) Volume: 10.00000 mL <== Derived from 11 (0.1 grams)
Bottle 15 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117061) Volume: 10.00000 mL <== Derived from 11 (1.0 grams)
Bottle 16 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117061) Volume: 10.00000 mL <== Derived from 11 (1.0 grams)
Bottle 17 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117061) Volume: 10.00000 mL <== Derived from 11 (1.0 grams)
Bottle 18 Prepared Bottle: 2 mL Glass vial (Batch 1117396) Volume: 50.00000 mL <== Derived from 01 (5 grams)
Bottle 19 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117462) Volume: 1.00000 mL <== Derived from 04 (30.0 grams)
Bottle 20 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117669) Volume: 10.00000 mL <== Derived from 04 (2.0 grams)
Bottle 21 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117669) Volume: 10.00000 mL <== Derived from 04 (2.0 grams)
Bottle 22 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117669) Volume: 10.00000 mL <== Derived from 04 (2.0 grams)
Bottle 23 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1117677) Volume: 1.00000 mL <== Derived from 11 (30 grams)
Bottle 24 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1117677) Volume: 1.00000 mL <== Derived from 11 (30 grams)
Bottle 25 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1117677) Volume: 1.00000 mL <== Derived from 11 (30 grams)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1117794) Volume: 50.00000 mL <== Derived from 04 (2.5 grams)
Bottle 27 Prepared Bottle: Water Extract (Batch 1117927) Volume: 100.00000 mL <== Derived from 01 (10 grams)
Bottle 28 Prepared Bottle: 40 mL Vial Extract (Batch 1118026) Volume: 5.00000 mL <== Derived from 10 (30.0 grams)
Bottle 29 Prepared Bottle: 40 mL Vial Extract (Batch 1118026) Volume: 5.00000 mL <== Derived from 10 (30 grams)
Bottle 30 Prepared Bottle: 40 mL Vial Extract (Batch 1118026) Volume: 5.00000 mL <== Derived from 10 (30.0 grams)
Bottle 31 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1118065) Volume: 10.00000 mL <== Derived from 11 (30.0 grams)
Bottle 32 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1118243) Volume: 1.00000 mL <== Derived from 10 (30 grams)
Bottle 33 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1118243) Volume: 1.00000 mL <== Derived from 10 (30.0 grams)
Bottle 34 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1118243) Volume: 1.00000 mL <== Derived from 10 (30.0 grams)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 7196A	27	1117927	05/06/2024	1117937	05/06/2024

Sample	Sample ID	Taken	Time	Received
2294551	*wastewater table II annual slu*	04/26/2024	14:00:00	04/30/2024

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Bottle 01 Glass 8 oz w/Teflon lined lid
Bottle 02 Glass 8 oz w/Teflon lined lid
Bottle 03 Glass 4 oz w/Teflon lined lid
Bottle 04 Glass 4 oz w/Teflon lined lid
Bottle 05 Glass 4 oz w/Teflon lined lid
Bottle 06 Glass 4 oz w/Teflon lined lid
Bottle 07 Prepared Bottle: PCBS 2 mL Autosampler Vial (Batch 1117457) Volume: 10.00000 mL <== Derived from 01 (2.0 grams)
Bottle 08 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117462) Volume: 1.00000 mL <== Derived from 01 (30.0 grams)
Bottle 09 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117462) Volume: 1.00000 mL <== Derived from 01 (10.0 grams)
Bottle 10 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117462) Volume: 1.00000 mL <== Derived from 01 (10.0 grams)
Bottle 11 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1118065) Volume: 10.00000 mL <== Derived from 02 (30 grams)
Bottle 12 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1118065) Volume: 10.00000 mL <== Derived from 02 (30.0 grams)
Bottle 13 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1118065) Volume: 10.00000 mL <== Derived from 02 (30.0 grams)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 8081A	11	1118065	05/07/2024	1118505	05/08/2024
EPA 8082	07	1117457	05/02/2024	1117555	05/02/2024
EPA 8270C	08	1117462	05/02/2024	1119433	05/15/2024
EPA 8260B	01	1117309	05/01/2024	1117309	05/01/2024
EPA 8260B	01	1117332	05/01/2024	1117332	05/01/2024
SM2540 G-1997 /MOD	02	1117011	04/30/2024	1117011	04/30/2024

Sample	Sample ID	Taken	Time	Received
2294552	*Sludge Table III*	04/26/2024	14:00:00	04/30/2024

Bottle 01 Glass 4 oz w/Teflon lined lid
Bottle 02 Glass 4 oz w/Teflon lined lid
Bottle 03 Glass 4 oz w/Teflon lined lid
Bottle 04 Prepared Bottle: Mercury Preparation for Metals (Batch 1117040) Volume: 50.00000 mL <== Derived from 01 (0.5 grams)
Bottle 05 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117019) Volume: 10.00000 mL <== Derived from 01 (0.1 grams)
Bottle 06 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1117430) Volume: 6.00000 mL <== Derived from 01 (0.5 grams)
Bottle 07 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1117430) Volume: 6.00000 mL <== Derived from 01 (0.5 grams)
Bottle 08 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1117430) Volume: 6.00000 mL <== Derived from 01 (0.5 grams)
Bottle 09 Prepared Bottle: ICP Preparation for Metals (Batch 1117794) Volume: 50.00000 mL <== Derived from 02 (2.5 grams)
Bottle 10 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1117822) Volume: 6.00000 mL <== Derived from 03 (0.5 grams)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 6020A	09	1117794	05/06/2024	1117866	05/06/2024
EPA 6020A	09	1117794	05/06/2024	1118159	05/07/2024
EPA 7471B 2	04	1117040	05/01/2024	1117125	05/01/2024
EPA 6010C	09	1117794	05/06/2024	1117889	05/06/2024
EPA 9014	05	1117019	05/01/2024	1117645	05/03/2024
EPA 9065	10	1117822	05/06/2024	1118229	05/08/2024

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Project 1101253

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Sample	Sample ID	Taken	Time	Received
2294552	*Sludge Table III*	04/26/2024	14:00:00	04/30/2024

Bottle 01 Glass 4 oz w/Teflon lined lid
Bottle 02 Glass 4 oz w/Teflon lined lid
Bottle 03 Glass 4 oz w/Teflon lined lid
Bottle 04 Prepared Bottle: Mercury Preparation for Metals (Batch 1117040) Volume: 50.00000 mL <== Derived from 01 (0.5 grams)
Bottle 05 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1117019) Volume: 10.00000 mL <== Derived from 01 (0.1 grams)
Bottle 06 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1117430) Volume: 6.00000 mL <== Derived from 01 (0.5 grams)
Bottle 07 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1117430) Volume: 6.00000 mL <== Derived from 01 (0.5 grams)
Bottle 08 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1117430) Volume: 6.00000 mL <== Derived from 01 (0.5 grams)
Bottle 09 Prepared Bottle: ICP Preparation for Metals (Batch 1117794) Volume: 50.00000 mL <== Derived from 02 (2.5 grams)
Bottle 10 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1117822) Volume: 6.00000 mL <== Derived from 03 (0.5 grams)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM2540 G-1997 /MOD	01	1117011	04/30/2024	1117011	04/30/2024

Sample	Sample ID	Taken	Time	Received
2294553	*Belt Press Sludge Annual*	04/26/2024	14:00:00	04/30/2024

Bottle 01 Glass Qt w/Teflon lined lid
Bottle 02 Glass Qt w/Teflon lined lid
Bottle 03 Prepared Bottle: TCLP Extract (Batch 1116964) Volume: 2000.00000 mL <== Derived from 01 (100 ml)
Bottle 04 Prepared Bottle: TCLP Extract for Metals (Batch 1116964) Volume: 100.00000 mL <== Derived from 01 (300 ml)
Bottle 05 Prepared Bottle: TCLP Extract for TABN/TCYH (Batch 1116964) Volume: 2000.00000 mL <== Derived from 01 (100 ml)
Bottle 06 Prepared Bottle: TCLP Acid Digestion (Batch 1117168) Volume: 50.00000 mL <== Derived from 04 (10 ml)
Bottle 07 Prepared Bottle: TCLP Acid Digestion (Batch 1117168) Volume: 50.00000 mL <== Derived from 04 (10 ml)
Bottle 08 Prepared Bottle: TCLP Acid Digestion (Batch 1117168) Volume: 50.00000 mL <== Derived from 04 (10 ml)
Bottle 09 Prepared Bottle: TCLP Acid Mercury Digestion (Batch 1117268) Volume: 50.00000 mL <== Derived from 04 (2.5 ml)
Bottle 10 Prepared Bottle: TCLP Extract for TVOA (Batch 1117380)<== Derived from 01 (0 ml)
Bottle 11 Prepared Bottle: TEDLAR BAG (Batch 1117380) Volume: 300.00000 mL <== Derived from 01 (300 ml)
Bottle 12 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117394) Volume: 1.00000 mL <== Derived from 05 (100 ml)
Bottle 13 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117663) Volume: 10.00000 mL <== Derived from 05 (1 ml)
Bottle 14 Prepared Bottle: ICP Preparation for Metals (Batch 1117794) Volume: 50.00000 mL <== Derived from 02 (3.0 grams)
Bottle 15 Prepared Bottle: ICP Preparation for Metals (Batch 1117794) Volume: 50.00000 mL <== Derived from 02 (3.0 grams)
Bottle 16 Prepared Bottle: ICP Preparation for Metals (Batch 1117794) Volume: 50.00000 mL <== Derived from 02 (3.0 grams)
Bottle 17 Prepared Bottle: TG80 2 mL Autosampler Vial (Batch 1117860) Volume: 10.00000 mL <== Derived from 05 (200 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 6020A	06	1117168	05/01/2024	1117530	05/02/2024
EPA 7470 A	09	1117268	05/02/2024	1117367	05/02/2024
EPA 6020A	14	1117794	05/06/2024	1117866	05/06/2024
EPA 8260B	11	1117380	05/02/2024	1117958	05/06/2024

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City of Odessa
Jason Wells
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Odessa, TX 79764

Sample	Sample ID	Taken	Time	Received
2294553	*Belt Press Sludge Annual*	04/26/2024	14:00:00	04/30/2024

Bottle 01 Glass Qt w/Teflon lined lid
Bottle 02 Glass Qt w/Teflon lined lid
Bottle 03 Prepared Bottle: TCLP Extract (Batch 1116964) Volume: 2000.00000 mL <== Derived from 01 (100 ml)
Bottle 04 Prepared Bottle: TCLP Extract for Metals (Batch 1116964) Volume: 100.00000 mL <== Derived from 01 (300 ml)
Bottle 05 Prepared Bottle: TCLP Extract for TABN/TCYH (Batch 1116964) Volume: 2000.00000 mL <== Derived from 01 (100 ml)
Bottle 06 Prepared Bottle: TCLP Acid Digestion (Batch 1117168) Volume: 50.00000 mL <== Derived from 04 (10 ml)
Bottle 07 Prepared Bottle: TCLP Acid Digestion (Batch 1117168) Volume: 50.00000 mL <== Derived from 04 (10 ml)
Bottle 08 Prepared Bottle: TCLP Acid Digestion (Batch 1117168) Volume: 50.00000 mL <== Derived from 04 (10 ml)
Bottle 09 Prepared Bottle: TCLP Acid Mercury Digestion (Batch 1117268) Volume: 50.00000 mL <== Derived from 04 (2.5 ml)
Bottle 10 Prepared Bottle: TCLP Extract for TVOA (Batch 1117380)<== Derived from 01 (0 ml)
Bottle 11 Prepared Bottle: TEDLAR BAG (Batch 1117380) Volume: 300.00000 mL <== Derived from 01 (300 ml)
Bottle 12 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117394) Volume: 1.00000 mL <== Derived from 05 (100 ml)
Bottle 13 Prepared Bottle: 2 mL Autosampler Vial (Batch 1117663) Volume: 10.00000 mL <== Derived from 05 (1 ml)
Bottle 14 Prepared Bottle: ICP Preparation for Metals (Batch 1117794) Volume: 50.00000 mL <== Derived from 02 (3.0 grams)
Bottle 15 Prepared Bottle: ICP Preparation for Metals (Batch 1117794) Volume: 50.00000 mL <== Derived from 02 (3.0 grams)
Bottle 16 Prepared Bottle: ICP Preparation for Metals (Batch 1117794) Volume: 50.00000 mL <== Derived from 02 (3.0 grams)
Bottle 17 Prepared Bottle: TG80 2 mL Autosampler Vial (Batch 1117860) Volume: 10.00000 mL <== Derived from 05 (200 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 8081A	17	1117860	05/06/2024	1118270	05/07/2024
EPA 8270C	12	1117394	05/02/2024	1117801	05/04/2024
EPA 8151	13	1117663	05/03/2024	1118013	05/06/2024
SM2540 G-1997 /MOD	02	1117011	04/30/2024	1117011	04/30/2024

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City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Printed: 05/15/2024

RESULTS

Sample Results

2294549 30 TAC 307 Sludge — Received: 04/30/2024

Solid & Chemical Materials — Collected by: Client — City of Odessa — PO: 22201773 - 01
Taken: 04/26/2024 14:00:00

Prepared: 05/15/2024 16:20:00 Analyzed 05/15/2024 16:20:00 WJP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Check Limits	Completed					

EPA 6020A — Prepared: 1117794 05/06/2024 10:30:00 Analyzed 1117866 05/06/2024 12:40:00 JC2

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Barium, Total	72.6	mg/kg	0.0992		7440-39-3	26

EPA 6020A — Prepared: 1117794 05/06/2024 10:30:00 Analyzed 1118159 05/07/2024 15:45:00 JC2

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Aluminum, Total	414	mg/kg	0.992		7429-90-5	26

EPA 7196A — Prepared: 1117927 05/06/2024 08:30:00 Analyzed 1117937 05/06/2024 08:30:00 ALB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hexavalent Cr(water extractable)	ND	ug/kg	100			27

EPA 8081A — Prepared: 1118065 05/07/2024 14:27:51 Analyzed 1118504 05/08/2024 17:36:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Kelthane (Dicofol)	ND	ug/kg	2.69		115-32-2	31
NELAC	Methoxychlor	ND	ug/kg	124000		72-43-5	31
NELAC	Mirex	ND	ug/kg	0.834		2385-85-5	31
NELAC	Toxaphene	ND	ug/kg	11500		8001-35-2	31

EPA 8141A — Prepared: 1118243 05/08/2024 10:52:48 Analyzed 1118902 05/09/2024 21:50:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Azinphos-methyl (Guthion)	ND	ug/kg	16.9	SD	86-50-0	32
z	Chlorpyrifos	ND	ug/kg	33.3	PD	2921-88-2	32

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Project 1101253

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Printed: 05/15/2024

2294549 **30 TAC 307 Sludge** Received: 04/30/2024

Solid & Chemical Materials | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 04/26/2024 14:00:00

EPA 8141A Prepared: 1118243 05/08/2024 10:52:48 Analyzed 1118902 05/09/2024 21:50:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Demeton	ND	ug/kg	16.7	PD	8065-48-3	32
z	Diazinon	ND	ug/kg	33.3	PD	333-41-5	32
z	Malathion	ND	ug/kg	33.3	PD	121-75-5	32
z	Parathion, ethyl	ND	ug/kg	16.7	PD	56-38-2	32
z	Parathion, methyl	ND	ug/kg	16.7	PD	298-00-0	32

EPA 8151A Prepared: 1117669 05/03/2024 13:46:00 Analyzed 1118249 05/07/2024 18:11:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	2,4 Dichlorophenoxyacetic acid	ND	ug/kg	249	XSPD	94-75-7	20
NELAC	2,4,5-TP (Silvex)	ND	ug/kg	5300	SD	93-72-1	20

EPA 8260B Prepared: 1117309 05/01/2024 14:25:00 Analyzed 1117309 05/01/2024 14:25:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Acrolein	ND	ug/kg	947	(S	107-02-8	01
NELAC	Acrylonitrile	ND	ug/kg	7500	(S	107-13-1	01

EPA 8260B Prepared: 1117331 05/01/2024 14:25:00 Analyzed 1117331 05/01/2024 14:25:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,1,1-Trichloroethane	ND	ug/kg	1620	(	71-55-6	01
NELAC	1,1-Dichloroethylene	ND	ug/kg	50.1	(	75-35-4	01
NELAC	1,2-Dibromoethane (EDB)	ND	ug/kg	50.0	(	106-93-4	01
NELAC	1,2-Dichloroethane	ND	ug/kg	100	(	107-06-2	01
NELAC	Benzene	ND	ug/kg	26.0	(	71-43-2	01
NELAC	Bromodichloromethane	ND	ug/kg	440	(	75-27-4	01
NELAC	Bromoform	ND	ug/kg	546	(	75-25-2	01
NELAC	Carbon Tetrachloride	ND	ug/kg	61.9	(	56-23-5	01
NELAC	Chlorobenzene	ND	ug/kg	1090	(	108-90-7	01
NELAC	Chloroform	ND	ug/kg	417	(	67-66-3	01
NELAC	cis-1,3-Dichloropropene	ND	ug/kg	50.0	(	10061-01-5	01
NELAC	Dibromochloromethane	ND	ug/kg	445	(	124-48-1	01
NELAC	m-Dichlorobenzene (1,3-DCB)	ND	ug/kg	50.0	(	541-73-1	01
NELAC	Methyl ethyl ketone (Butanone)	ND	ug/kg	29300	(	78-93-3	01
NELAC	o-Dichlorobenzene (1,2-DCB)	ND	ug/kg	50.0	(	95-50-1	01

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2294549 30 TAC 307 Sludge — Received: 04/30/2024

Solid & Chemical Materials — Collected by: Client — City of Odessa — PO: 22201773 - 01

Taken: 04/26/2024 14:00:00

EPA 8260B — Prepared: 1117331 05/01/2024 14:25:00 — Analyzed 1117331 05/01/2024 14:25:00 MRI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	p-Dichlorobenzene (1,4-DCB)	ND	ug/kg	50.0	(	106-46-7	01
NELAC	Tetrachloroethylene	ND	ug/kg	50.2	(	127-18-4	01
NELAC	trans-1,3-Dichloropropene	ND	ug/kg	50.0	(	10061-02-6	01
NELAC	Trichloroethylene	ND	ug/kg	50.0	(	79-01-6	01
NELAC	Vinyl chloride	ND	ug/kg	50.0	(	75-01-4	01

EPA 8260B — Prepared: 1117331 05/03/2024 14:19:58 — Calculated 1117331 05/03/2024 14:19:58 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Trihalomethanes	ND	mg/L	0.050	E		01

EPA 8270C — Prepared: 1117462 05/02/2024 16:16:33 — Analyzed 1119432 05/15/2024 00:20:00 DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,2,4,5-Tetrachlorobenzene	ND	ug/kg	484		95-94-3	19
NELAC	2,4,5-Trichlorophenol	ND	ug/kg	33800		95-95-4	19
NELAC	2-Methylphenol (o-Cresol)	ND	ug/kg	167		95-48-7	19
NELAC	3&4-Methylphenol (m&p-Cresol)	690	ug/kg	632		MEPH34	19
NELAC	n-Nitrosodiethylamine	ND	ug/kg	33.3		55-18-5	19
NELAC	n-Nitroso-di-n-butylamine	ND	ug/kg	33.3		924-16-3	19
NELAC	Pentachlorobenzene	ND	ug/kg	33.3		608-93-5	19
NELAC	Pyridine	ND	ug/kg	69.0		110-86-1	19

EPA 8270C — Prepared: 1117462 05/02/2024 16:16:33 — Calculated 1119432 05/15/2024 16:19:48 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cresols Total	690	ug/kg	167		1319-77-3, etc.	19

EPA 8321B — Prepared: 1117677 05/03/2024 14:06:02 — Analyzed 1118382 05/07/2024 20:53:00 BRU

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Carbaryl (Sevin)	ND	ug/kg	83.3	D	63-25-2	23
z	Diuron	ND	ug/kg	928		330-54-1	23

EPA 8321B — Prepared: 1118026 05/07/2024 12:01:52 — Analyzed 1118254 05/07/2024 22:29:00 BRU

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Hexachlorophene	ND	ug/kg	41.7		70-30-4	28

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2294549 30 TAC 307 Sludge — Received: 04/30/2024

Solid & Chemical Materials — Collected by: Client — City of Odessa — PO: 22201773 - 01
Taken: 04/26/2024 14:00:00

EPA 9014	Prepared:		05/03/2024	13:32:43	Calculated		05/03/2024	13:32:43	CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cyanide - Available/Amenable	ND	mg/kg	0.958			

EPA 9014	Prepared:	1117019	05/01/2024	07:54:32	Analyzed	1117645	05/03/2024	09:23:00	AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cyanide, total	ND	mg/kg	0.958			12

EPA 9014	Prepared:	1117061	05/01/2024	09:58:55	Analyzed	1117650	05/03/2024	09:23:00	AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cyanide After Chlorination	ND	mg/kg	0.0996			15

EPA 9056	Prepared:	1117396	05/02/2024	13:11:25	Analyzed	1117711	05/03/2024	13:41:00	NAZ

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Fluoride (water extractable)	ND	mg/kg	10.0			18
NELAC	Nitrate-Nitrogen	ND	mg/kg	2.26		14797-55-8	18

SM2540 G-1997 /MOD	Prepared:	1117011	04/30/2024	16:47:00	Analyzed	1117011	04/30/2024	16:47:00	BEK

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Solids for Dry Wt Conversi	16.1	%	0.010			02

2294551 wastewater table II annual slu — Received: 04/30/2024

Solid & Chemical Materials — Collected by: Client — City of Odessa — PO: 22201773 - 01
Taken: 04/26/2024 14:00:00

	Prepared:		05/15/2024	16:20:00	Analyzed		05/15/2024	16:20:00	WJP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
2	Check Limits	Completed					

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Printed: 05/15/2024

2294551 wastewater table II annual slu

Received: 04/30/2024

Solid & Chemical Materials | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 04/26/2024 14:00:00

EPA 8081A Prepared: 1118065 05/07/2024 14:27:51 Analyzed 1118505 05/08/2024 17:56:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	4,4-DDD	ND	ug/kg	13000		72-54-8	11
NELAC	4,4-DDE	ND	ug/kg	11800		72-55-9	11
NELAC	4,4-DDT	ND	ug/kg	14700	SD	50-29-3	11
NELAC	Aldrin	ND	ug/kg	103		309-00-2	11
NELAC	Alpha-BHC(hexachlorocyclohexane)	ND	ug/kg	7.92		319-84-6	11
NELAC	Beta-BHC(hexachlorocyclohexane)	ND	ug/kg	29.0		319-85-7	11
NELAC	Chlordane	ND	ug/kg	5.00		57-74-9	11
NELAC	Delta-BHC(hexachlorocyclohexane)	ND	ug/kg	0.833		319-86-8	11
NELAC	Dieldrin	ND	ug/kg	48.9		60-57-1	11
NELAC	Endosulfan I (alpha)	ND	ug/kg	0.833		959-98-8	11
NELAC	Endosulfan II (beta)	3.48	ug/kg	0.833		33213-65-9	11
NELAC	Endosulfan sulfate	ND	ug/kg	0.833	X	1031-07-8	11
NELAC	Endrin	ND	ug/kg	750		72-20-8	11
NELAC	Endrin aldehyde	ND	ug/kg	0.833		7421-93-4	11
NELAC	Gamma-BHC(Lindane)	ND	ug/kg	9.16		58-89-9	11
NELAC	Heptachlor	ND	ug/kg	189	S	76-44-8	11
NELAC	Heptachlor epoxide	ND	ug/kg	58.3		1024-57-3	11
NELAC	Toxaphene	ND	ug/kg	11500		8001-35-2	11

EPA 8082 Prepared: 1117457 05/02/2024 16:09:26 Analyzed 1117555 05/02/2024 19:03:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	PCB-1016	ND	ug/kg	1000		12674-11-2	07
NELAC	PCB-1221	ND	ug/kg	1000		11104-28-2	07
NELAC	PCB-1232	ND	ug/kg	1000		11141-16-5	07
NELAC	PCB-1242	ND	ug/kg	1000		53469-21-9	07
NELAC	PCB-1248	ND	ug/kg	1000		12672-29-6	07
NELAC	PCB-1254	ND	ug/kg	1000		11097-69-1	07
NELAC	PCB-1260	ND	ug/kg	1000		11096-82-5	07
NELAC	PCB-1262	ND	ug/kg	248		37324-23-5	07
NELAC	PCB-1268	ND	ug/kg	248		11100-14-4	07

EPA 8260B Prepared: 1117309 05/01/2024 14:48:00 Analyzed 1117309 05/01/2024 14:48:00 MR1

Parameter	Results	Units	RL	Flags	CAS	Bottle

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Printed: 05/15/2024

2294551 wastewater table II annual slu — Received: 04/30/2024

Solid & Chemical Materials — Collected by: Client — City of Odessa — PO: 22201773 - 01
Taken: 04/26/2024 14:00:00

EPA 8260B — Prepared: 1117309 05/01/2024 14:48:00 — Analyzed 1117309 05/01/2024 14:48:00 — MRI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Acrolein	ND	ug/kg	947	(S	107-02-8	01
NELAC	Acrylonitrile	ND	ug/kg	7500	(S	107-13-1	01

EPA 8260B — Prepared: 1117332 05/01/2024 14:48:00 — Analyzed 1117332 05/01/2024 14:48:00 — MRI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,1,1-Trichloroethane	ND	ug/kg	1620	(	71-55-6	01
NELAC	1,1,2,2-Tetrachloroethane	ND	ug/kg	50.0	(	79-34-5	01
NELAC	1,1,2-Trichloroethane	ND	ug/kg	50.0	(	79-00-5	01
NELAC	1,1-Dichloroethane	ND	ug/kg	9250	(	75-34-3	01
NELAC	1,1-Dichloroethylene	ND	ug/kg	50.1	(	75-35-4	01
NELAC	1,2-Dichloroethane	ND	ug/kg	100	(	107-06-2	01
NELAC	1,2-Dichloropropane	ND	ug/kg	50.0	(	78-87-5	01
NELAC	2-Chloroethylvinyl ether	ND	ug/kg	50.0	(	110-75-8	01
NELAC	Benzene	ND	ug/kg	26.0	(	71-43-2	01
NELAC	Bromodichloromethane	ND	ug/kg	440	(	75-27-4	01
NELAC	Bromoform	ND	ug/kg	546	(	75-25-2	01
NELAC	Bromomethane (Methyl Bromi	ND	ug/kg	131	(	74-83-9	01
NELAC	Carbon Tetrachloride	ND	ug/kg	61.9	(	56-23-5	01
NELAC	Chlorobenzene	ND	ug/kg	1090	(	108-90-7	01
NELAC	Chloroethane	ND	ug/kg	30900	(	75-00-3	01
NELAC	Chloroform	ND	ug/kg	417	(	67-66-3	01
NELAC	Chloromethane (Methyl Chloride)	ND	ug/kg	405	(	74-87-3	01
NELAC	cis-1,3-Dichloropropene	ND	ug/kg	50.0	(	10061-01-5	01
NELAC	Dibromochloromethane	ND	ug/kg	445	(	124-48- 1	01
NELAC	Dichloromethane	ND	ug/kg	100	(	75-09-2	01
NELAC	Ethylbenzene	ND	ug/kg	7600	(	100-41-4	01
NELAC	m-Dichlorobenzene (1,3-DCB)	ND	ug/kg	50.0	(	541-73-1	01
NELAC	o-Dichlorobenzene (1,2-DCB)	ND	ug/kg	50.0	(	95-50-1	01
NELAC	p-Dichlorobenzene (1,4-DCB)	ND	ug/kg	50.0	(	106-46-7	01
NELAC	Tetrachloroethylene	ND	ug/kg	50.2	(	127-18-4	01
NELAC	Toluene	ND	ug/kg	8200	(	108-88-3	01
NELAC	trans-1,2-Dichloroethylene	ND	ug/kg	490	(	156-60-5	01
NELAC	trans-1,3-Dichloropropene	ND	ug/kg	50.0	(	10061-02-6	01
NELAC	Trichloroethylene	ND	ug/kg	50.0	(	79-01-6	01
NELAC	Vinyl chloride	ND	ug/kg	50.0	(	75-01-4	01

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2294551 wastewater table II annual slu

Received: 04/30/2024

Solid & Chemical Materials | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 04/26/2024 14:00:00

EPA 8270C | Prepared: 1117462 05/02/2024 16:16:33 | Analyzed 1119433 05/15/2024 01:01:00 | DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,2,4-Trichlorobenzene	ND	ug/kg	4790	D	120-82-1	08
NELAC	1,2-DPH (as azobenzene)	ND	ug/kg	33.3	D	122-66-7	08
z	2,3,7,8-TCDD Scan	ND	ug/kg	66.6	D		08
NELAC	2,4,6-Trichlorophenol	ND	ug/kg	594	D	88-06-2	08
NELAC	2,4-Dichlorophenol	ND	ug/kg	352	D	120-83-2	08
NELAC	2,4-Dimethylphenol	ND	ug/kg	3230	D	105-67-9	08
NELAC	2,4-Dinitrophenol	ND	ug/kg	93.7	D	51-28-5	08
NELAC	2,4-Dinitrotoluene	ND	ug/kg	43.0	D	121-14-2	08
NELAC	2,6-Dinitrotoluene	ND	ug/kg	56.6	D	606-20-2	08
NELAC	2-Chloronaphthalene	ND	ug/kg	670000	D	91-58-7	08
NELAC	2-Chlorophenol	ND	ug/kg	1630	D	95-57-8	08
NELAC	2-Nitrophenol	ND	ug/kg	787	D	88-75-5	08
NELAC	3,3'-Dichlorobenzidine	ND	ug/kg	62.6		91-94-1	08
NELAC	4,6-Dinitro-2-methylphenol	ND	ug/kg	130000	D	534-52-1	08
NELAC	4-Bromophenyl phenyl ether	ND	ug/kg	33.3	D	101-55-3	08
NELAC	4-Chlorophenyl phenyl ethe	ND	ug/kg	33.3	D	7005-72-3	08
NELAC	4-Nitrophenol	ND	ug/kg	947		100-02-7	08
NELAC	Acenaphthene	ND	ug/kg	236000	D	83-32-9	08
NELAC	Acenaphthylene	ND	ug/kg	409000	D	208-96-8	08
NELAC	Anthracene	ND	ug/kg	6890000	D	120-12-7	08
NELAC	Benzidine	ND	ug/kg	33.3		92-87-5	08
NELAC	Benzo(a)anthracene	ND	ug/kg	17700		56-55-3	08
NELAC	Benzo(a)pyrene	ND	ug/kg	7640	D	50-32-8	08
NELAC	Benzo(b)fluoranthene	ND	ug/kg	60100	D	205-99-2	08
NELAC	Benzo(ghi)perylene	ND	ug/kg	66.6	D	191-24-2	08
NELAC	Benzo(k)fluoranthene	ND	ug/kg	615000	D	207-08-9	08
NELAC	Benzyl Butyl phthalate	ND	ug/kg	2700000	BD	85-68-7	08
NELAC	Bis(2-chloroethoxy)methane	ND	ug/kg	33.3	D	111-91-1	08
NELAC	Bis(2-chloroethyl)ether	ND	ug/kg	33.3	D	111-44-4	08
NELAC	Bis(2-chloroisopropyl)ether	ND	ug/kg	190	D	108-60-1	08
NELAC	Bis(2-ethylhexyl)phthalate	ND	ug/kg	164000		117-81-7	08
NELAC	Chrysene (Benzo(a)phenanthrene)	ND	ug/kg	1550000		218-01-9	08
NELAC	Dibenz(a,h)anthracene	ND	ug/kg	15200	D	53-70-3	08
NELAC	Diethyl phthalate	ND	ug/kg	156000	D	84-66-2	08
NELAC	Dimethyl phthalate	ND	ug/kg	243000	D	131-11-3	08
NELAC	Di-n-butylphthalate	ND	ug/kg	99.9		84-74-2	08

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Printed: 05/15/2024

2294551 wastewater table II annual slu

Received: 04/30/2024

Solid & Chemical Materials | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 04/26/2024 14:00:00

EPA 8270C | Prepared: 1117462 05/02/2024 16:16:33 | Analyzed 1119433 05/15/2024 01:01:00 | DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Di-n-octylphthalate	ND	ug/kg	332	D	117-84-0	08
NELAC	Fluoranthene(Benzo(j,k)fluorene)	ND	ug/kg	1920000	D	206-44-0	08
NELAC	Fluorene	ND	ug/kg	299000	D	86-73-7	08
NELAC	Hexachlorobenzene	ND	ug/kg	1100	D	118-74-1	08
NELAC	Hexachlorobutadiene	ND	ug/kg	1370	D	87-68-3	08
NELAC	Hexachlorocyclopentadiene	ND	ug/kg	19300	D	77-47-4	08
NELAC	Hexachloroethane	ND	ug/kg	1840	D	67-72-1	08
NELAC	Indeno(1,2,3-cd)pyrene	ND	ug/kg	173000	D	193-39-5	08
NELAC	Isophorone	ND	ug/kg	3000	D	78-59-1	08
NELAC	Naphthalene	ND	ug/kg	31000	D	91-20-3	08
NELAC	Nitrobenzene	ND	ug/kg	87.9	D	98-95-3	08
NELAC	N-Nitrosodimethylamine	ND	ug/kg	33.3		62-75-9	08
NELAC	N-Nitrosodi-n-propylamine	ND	ug/kg	33.3		621-64-7	08
NELAC	N-Nitrosodiphenylamine (as DPA	ND	ug/kg	2820	D	86-30-6	08
NELAC	p-Chloro-m-Cresol (4-Chloro-3-me	ND	ug/kg	330000	D	59-50-7	08
NELAC	Pentachlorophenol	ND	ug/kg	39.3	D	87-86-5	08
NELAC	Phenanthrene	ND	ug/kg	420000	D	85-01-8	08
NELAC	Phenol	ND	ug/kg	38300		108-95-2	08
NELAC	Pyrene	ND	ug/kg	1120000		129-00-0	08

SM2540 G-1997 /MOD | Prepared: 1117011 04/30/2024 16:47:00 | Analyzed 1117011 04/30/2024 16:47:00 | BEK

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Solids for Dry Wt Conversi	14.0	%	0.010			02

2294552 Sludge Table III

Received: 04/30/2024

Solid & Chemical Materials | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 04/26/2024 14:00:00

Prepared: 05/15/2024 16:20:00 | Analyzed 05/15/2024 16:20:00 | WJP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Check Limits	Completed					

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Project 1101253

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Printed: 05/15/2024

2294552 **Sludge Table III** Received: 04/30/2024

Solid & Chemical Materials | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 04/26/2024 14:00:00

EPA 6010C Prepared: 1117794 05/06/2024 10:30:00 Analyzed 1117889 05/06/2024 12:57:00 KB1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Strontium	33.1	mg/kg	0.996		7440-24-6	09

EPA 6020A Prepared: 1117794 05/06/2024 10:30:00 Analyzed 1117866 05/06/2024 12:45:00 JC2

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Antimony, Total	0.848	mg/kg	0.0996		7440-36-0	09
NELAC	Arsenic, Total	ND	mg/kg	75.0		7440-38-2	09
NELAC	Beryllium, Total	ND	mg/kg	0.0996		7440-41-7	09
NELAC	Cadmium, Total	ND	mg/kg	39.0		7440-43-9	09
NELAC	Chromium, Total	5.04	mg/kg	0.0996		7440-47-3	09
NELAC	Molybdenum, Total	ND	mg/kg	75.0		7439-98-7	09
NELAC	Nickel, Total	ND	mg/kg	420		7440-02-0	09
NELAC	Selenium, Total	ND	mg/kg	100		7782-49-2	09
NELAC	Silver, Total	0.433	mg/kg	0.0996		7440-22-4	09
NELAC	Zinc, Total	ND	mg/kg	7500		7440-66-6	09

EPA 6020A Prepared: 1117794 05/06/2024 10:30:00 Analyzed 1118159 05/07/2024 15:50:00 JC2

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Copper, Total	39.5	mg/kg	0.0996		7440-50-8	09
NELAC	Lead, Total	ND	mg/kg	840		7439-92-1	09
NELAC	Thallium, Total	ND	mg/kg	0.0996		7440-28-0	09

EPA 7471B 2 Prepared: 1117040 05/01/2024 07:30:00 Analyzed 1117125 05/01/2024 11:53:00 KB1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Mercury	ND	mg/kg	57.0		7439-97-6	04

EPA 9014 Prepared: 1117019 05/01/2024 07:54:32 Analyzed 1117645 05/03/2024 09:23:00 AME

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cyanide, total	ND	mg/kg	0.957			05

EPA 9065 Prepared: 1117822 05/06/2024 11:33:01 Analyzed 1118229 05/08/2024 09:42:00 AME

Parameter	Results	Units	RL	Flags	CAS	Bottle

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2294552 Sludge Table III

Received: 04/30/2024

Solid & Chemical Materials | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 04/26/2024 14:00:00

EPA 9065 Prepared: 1117822 05/06/2024 11:33:01 Analyzed 1118229 05/08/2024 09:42:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Phenolics, Total Recoverable	1.06	mg/kg	0.0596			10

SM2540 G-1997/MOD Prepared: 1117011 04/30/2024 16:47:00 Analyzed 1117011 04/30/2024 16:47:00 BEK

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Solids for Dry Wt Conversi	15.3	%	0.010			01

2294553 Belt Press Sludge Annual

Received: 04/30/2024

Solid & Chemical Materials | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 04/26/2024 14:00:00

Prepared: 05/15/2024 16:20:00 Analyzed 05/15/2024 16:20:00 WJP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Check Limits	Completed					

EPA 6020A Prepared: 1117168 05/01/2024 14:45:00 Analyzed 1117530 05/02/2024 10:35:00 JC2

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	TCLP Arsenic	ND	mg/L	5.00	P	7440-38-2	06
NELAC	TCLP Barium	ND	mg/L	100		7440-39-3	06
NELAC	TCLP Cadmium	ND	mg/L	1.00	P	7440-43-9	06
NELAC	TCLP Chromium	ND	mg/L	5.00	P	7440-47-3	06
NELAC	TCLP Lead	ND	mg/L	5.00	P	7439-92-1	06
NELAC	TCLP Selenium	ND	mg/L	1.00	P	7782-49-2	06
NELAC	TCLP Silver	ND	mg/L	5.00	P	7440-22-4	06

EPA 6020A Prepared: 1117794 05/06/2024 10:30:00 Analyzed 1117866 05/06/2024 12:54:00 JC2

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Molybdenum, Total	ND	mg/kg	75.0		7439-98-7	14

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2294553 **Belt Press Sludge Annual** Received: 04/30/2024

Solid & Chemical Materials | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 04/26/2024 14:00:00

EPA 7470 A Prepared: 1117268 05/02/2024 07:30:00 Analyzed 1117367 05/02/2024 11:38:00 KB1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	TCLP Mercury	ND	mg/L	0.200		7439-97-6	09

EPA 8081A Prepared: 1117860 05/06/2024 13:30:00 Analyzed 1118270 05/07/2024 19:59:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	TCLP Chlordane	ND	mg/L	0.030		57-74-9	17
NELAC	TCLP Endrin	ND	mg/L	0.020		72-20-8	17
NELAC	TCLP gamma-BHC (Lindane)	ND	mg/L	0.400		58-89-9	17
NELAC	TCLP Heptachlor	ND	mg/L	0.008		76-44-8	17
NELAC	TCLP Heptachlor Epoxide	ND	mg/L	0.008		1024-57-3	17
NELAC	TCLP Methoxychlor	ND	mg/L	10.0		72-43-5	17
NELAC	TCLP Toxaphene	ND	mg/L	0.500		8001-35-2	17

EPA 8151 Prepared: 1117663 05/03/2024 11:00:00 Analyzed 1118013 05/06/2024 20:51:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	TCLP 2,4 D	ND	mg/L	10.0	D	94-75-7	13
NELAC	TCLP 2,4,5-TP (Silvex)	ND	mg/L	1.00	XD	93-72-1	13

EPA 8260B Prepared: 1117380 05/02/2024 12:45:35 Analyzed 1117958 05/06/2024 11:30:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	TCLP 1,1-Dichloroethene	ND	mg/L	0.700		75-35-4	11
NELAC	TCLP 1,2-Dichloroethane	ND	mg/L	0.500		107-06-2	11
NELAC	TCLP 1,4 Dichlorobenzene	ND	mg/L	7.50		106-46-7	11
NELAC	TCLP Benzene	ND	mg/L	0.050		71-43-2	11
NELAC	TCLP Carbon tetrachloride	ND	mg/L	0.500		56-23-5	11
NELAC	TCLP Chlorobenzene	ND	mg/L	100		108-90-7	11
NELAC	TCLP Chloroform	ND	mg/L	6.00		67-66-3	11
NELAC	TCLP MEK	ND	mg/L	200		78-93-3	11
NELAC	TCLP Tetrachloroethylene	ND	mg/L	0.700		127-18-4	11
NELAC	TCLP Trichloroethylene	ND	mg/L	0.500		79-01-6	11
NELAC	TCLP Vinyl chloride	ND	mg/L	0.200		75-01-4	11

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2294553 Belt Press Sludge Annual Received: 04/30/2024

Solid & Chemical Materials | Collected by: Client | City of Odessa | PO: 22201773 - 01
Taken: 04/26/2024 14:00:00

EPA 8270C Prepared: 1117394 05/02/2024 12:45:00 Analyzed 1117801 05/04/2024 01:33:00 DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	TCLP 2,4,5-Trichlorophenol	ND	mg/L	400		95-95-4	12
NELAC	TCLP 2,4,6-Trichlorophenol	ND	mg/L	2.00		88-06-2	12
NELAC	TCLP 2,4-Dinitrotoluene	ND	mg/L	0.130		121-14-2	12
NELAC	TCLP 2-Methylphenol (o-Cresol)	ND	mg/L	200		95-48-7	12
NELAC	TCLP 3&4-Methylphenol (m&p-Creso	ND	mg/L	200		108-39-4	12
NELAC	TCLP Hexachlorobenzene	ND	mg/L	0.013		118-74-1	12
NELAC	TCLP Hexachlorobutadiene	ND	mg/L	0.500		87-68-3	12
NELAC	TCLP Hexachloroethane	ND	mg/L	3.00		67-72-1	12
NELAC	TCLP Nitrobenzene	ND	mg/L	2.00		98-95-3	12
NELAC	TCLP Pentachlorophenol	ND	mg/L	100		87-86-5	12
NELAC	TCLP Pyridine (Reg. Limit 5)	ND	mg/L	5.00		110-86-1	12

EPA 8270C Prepared: 1117394 05/02/2024 12:45:00 Calculated 1117801 05/07/2024 13:08:58 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	TCLP Total Cresols (Reg Lim 200)	ND	mg/L	200		108-39-4,oct.	12

SM2540 G-1997 /MOD Prepared: 1117011 04/30/2024 16:47:00 Analyzed 1117011 04/30/2024 16:47:00 BEK

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Solids for Dry Wt Conversi	14.4	%	0.010			02

Sample Preparation

2294549 30 TAC 307 Sludge Received: 04/30/2024

22201773 - 01

04/26/2024

Prepared: 04/30/2024 15:39:04 Calculated 04/30/2024 15:39:04 CAL

z	Environmental Fee (per Project)	Verified

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2294549 **30 TAC 307 Sludge** Received: 04/30/2024

22201773 - 01

04/26/2024

Ana-Lab		*Prepared:*	*1117927*	*05/06/2024*	*08:30:00*	*Analyzed*	*1117927*	*05/06/2024*	*08:30:00*	*ALB*
NELAC	Hexavalent Chromium Water Extr.	100/10	grams							01
EPA 3550B		*Prepared:*	*1118026*	*05/07/2024*	*12:01:52*	*Analyzed*	*1118026*	*05/07/2024*	*12:01:52*	*PEV*
	Hexachlorophene Soil Extraction	5/29.99	grams							10
EPA 200.2 2.8		*Prepared:*	*1117794*	*05/06/2024*	*10:30:00*	*Analyzed*	*1117794*	*05/06/2024*	*10:30:00*	*TES*
NELAC	Solid Metals Digestion	50/2.52	grams							04
EPA 3550B		*Prepared:*	*1117462*	*05/02/2024*	*16:16:33*	*Analyzed*	*1117462*	*05/02/2024*	*16:16:33*	*PEV*
NELAC	Sonic Extraction	1/30.02	grams							04
EPA 3550B		*Prepared:*	*1117677*	*05/03/2024*	*14:06:02*	*Analyzed*	*1117677*	*05/03/2024*	*14:06:02*	*PEV*
	632 Sonic Extr. W/Hex Exch.	1/30.0	grams							11
EPA 3550B		*Prepared:*	*1118065*	*05/07/2024*	*14:27:51*	*Analyzed*	*1118065*	*05/07/2024*	*14:27:51*	*PEV*
	Sonic Extr. W/Hex Exch.	10/29.99	grams							11
EPA 3550B		*Prepared:*	*1118243*	*05/08/2024*	*10:52:48*	*Analyzed*	*1118243*	*05/08/2024*	*10:52:48*	*PEV*
	Organophos Pesticide Extraction	1/30.0	grams							10
EPA 5035		*Prepared:*	*1117188*	*05/01/2024*	*09:34:00*	*Analyzed*	*1117188*	*05/01/2024*	*09:34:00*	*CCH*
NELAC	VOC 5035 High Level Extraction	DONE	grams							01

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2294549 30 TAC 307 Sludge — Received: 04/30/2024

22201773 - 01

04/26/2024

	EPA 8081A	*Prepared:*	*1118065*	*05/07/2024*	*14:27:51*	*Analyzed*	*1118504*	*05/08/2024*	*17:36:00*	*KAP*
z	30 TAC 307 Pesticides	Entered								31
	EPA 8141A	*Prepared:*	*1118243*	*05/08/2024*	*10:52:48*	*Analyzed*	*1118902*	*05/09/2024*	*21:50:00*	*KAP*
z	30 TAC 307 Oganophosphorous	Entered								32
	EPA 8151A	*Prepared:*	*1117669*	*05/03/2024*	*13:46:00*	*Analyzed*	*1118249*	*05/07/2024*	*18:11:00*	*KAP*
NELAC	Herbicides by GC	Entered								20
	EPA 8151A mod	*Prepared:*	*1117669*	*05/03/2024*	*13:46:00*	*Analyzed*	*1117669*	*05/03/2024*	*13:46:00*	*PEV*
NELAC	Esterification of Sample	10/2.01	grams							04
	EPA 8260B	*Prepared:*	*1117309*	*05/01/2024*	*14:25:00*	*Analyzed*	*1117309*	*05/01/2024*	*14:25:00*	*MR1*
NELAC	Acrolein/Acrylonitrile Exp.	Entered				(H				01
	EPA 8260B	*Prepared:*	*1117331*	*05/01/2024*	*14:25:00*	*Analyzed*	*1117331*	*05/01/2024*	*14:25:00*	*MR1*
z	30 TAC 307 Volatiles	Entered				(				01
	EPA 8270C	*Prepared:*	*1117462*	*05/02/2024*	*16:16:33*	*Analyzed*	*1119432*	*05/15/2024*	*00:20:00*	*DWL*
z	30 TAC 307 Semivolatiles	Entered								19
	EPA 8321B	*Prepared:*	*1117677*	*05/03/2024*	*14:06:02*	*Analyzed*	*1118382*	*05/07/2024*	*20:53:00*	*BRU*

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2294549 30 TAC 307 Sludge — Received: 04/30/2024

22201773 - 01

04/26/2024

	EPA 8321B	*Prepared:*	*1117677*	*05/03/2024*	*14:06:02*	*Analyzed*	*1118382*	*05/07/2024*	*20:53:00*	*BRU*
NELAC	Carbaryl/Diuron	Entered								23
	EPA 8321B	*Prepared:*	*1118026*	*05/07/2024*	*12:01:52*	*Analyzed*	*1118254*	*05/07/2024*	*22:29:00*	*BRU*
	Hexachlorophene Expansion	Entered						70-30-4		28
	EPA 9010C	*Prepared:*	*1117019*	*05/01/2024*	*07:54:32*	*Analyzed*	*1117019*	*05/01/2024*	*07:54:32*	*MEG*
NELAC	Cyanide Distillation	10/0.1044	grams							11
	EPA 9010C	*Prepared:*	*1117061*	*05/01/2024*	*09:58:55*	*Analyzed*	*1117061*	*05/01/2024*	*09:58:55*	*SRJ*
NELAC	CN Dist After Chlorination	10/1.0037	grams							11
	EPA 9056	*Prepared:*	*1117396*	*05/02/2024*	*13:11:25*	*Analyzed*	*1117396*	*05/02/2024*	*13:11:25*	*PEV*
	Water Extract-Ion Chromatography	50/5.0	grams							01
	SM 2540 G-1997	*Prepared:*	*1116962*	*04/30/2024*	*16:47:00*	*Analyzed*	*1116962*	*04/30/2024*	*16:47:00*	*BEK*
NELAC	Total Solids Start Code	Started								

2294551 wastewater table II annual slu — Received: 04/30/2024

22201773 - 01

04/26/2024

	EPA 3550B	*Prepared:*	*1117457*	*05/02/2024*	*16:09:26*	*Analyzed*	*1117457*	*05/02/2024*	*16:09:26*	*PEV*

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2294551 wastewater table II annual slu — Received: 04/30/2024

22201773 - 01

04/26/2024

	EPA 3550B	*Prepared:*	*1117457*	*05/02/2024*	*16:09:26*	*Analyzed*	*1117457*	*05/02/2024*	*16:09:26*	*PEV*
NELAC	PCB Total Sonic Extr. W/Hex Exch	10/2.02	grams							01
	EPA 3550B	*Prepared:*	*1117462*	*05/02/2024*	*16:16:33*	*Analyzed*	*1117462*	*05/02/2024*	*16:16:33*	*PEV*
NELAC	Sonic Extraction	1/30.02	grams							01
	EPA 3550B	*Prepared:*	*1118065*	*05/07/2024*	*14:27:51*	*Analyzed*	*1118065*	*05/07/2024*	*14:27:51*	*PEV*
	Sonic Extr. W/Hex Exch.	10/30.0	grams							02
	EPA 5035	*Prepared:*	*1117188*	*05/01/2024*	*09:34:00*	*Analyzed*	*1117188*	*05/01/2024*	*09:34:00*	*CCH*
NELAC	VOC 5035 High Level Extraction	DONE	grams							01
	EPA 8081A	*Prepared:*	*1118065*	*05/07/2024*	*14:27:51*	*Analyzed*	*1118505*	*05/08/2024*	*17:56:00*	*KAP*
NELAC	Pesticides (ODES)	Entered								11
	EPA 8082	*Prepared:*	*1117457*	*05/02/2024*	*16:09:26*	*Analyzed*	*1117555*	*05/02/2024*	*19:03:00*	*KAP*
NELAC	Polychlorinated Biphenyls	Entered								07
	EPA 8260B	*Prepared:*	*1117309*	*05/01/2024*	*14:48:00*	*Analyzed*	*1117309*	*05/01/2024*	*14:48:00*	*MR1*
NELAC	Acrolein/Acrylonitrile Exp.	Entered				(H				01
	EPA 8260B	*Prepared:*	*1117332*	*05/01/2024*	*14:48:00*	*Analyzed*	*1117332*	*05/01/2024*	*14:48:00*	*MR1*
NELAC	TTO - VOC (ODES)	Entered				(				01

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Printed: 05/15/2024

2294551 wastewater table II annual slu — Received: 04/30/2024

22201773 - 01

04/26/2024

	EPA 8270C	Prepared:	1117462	05/02/2024	16:16:33	Analyzed	1119433	05/15/2024	01:01:00	DWL
NELAC	TTO SVOC 40 CFR 122 Table II	Entered								08
	SM 2540 G-1997	Prepared:	1116962	04/30/2024	16:47:00	Analyzed	1116962	04/30/2024	16:47:00	BEK
NELAC	Total Solids Start Code	Started								

2294552 Sludge Table III — Received: 04/30/2024

22201773 - 01

04/26/2024

		Prepared:		05/15/2024	16:20:00	Analyzed		05/15/2024	16:20:00	WJP
z	Level IV Data Review	Completed								
	EPA 200.2 2.8	Prepared:	1117794	05/06/2024	10:30:00	Analyzed	1117794	05/06/2024	10:30:00	TES
NELAC	Solid Metals Digestion	50/2.51		grams						02
	EPA 7471B	Prepared:	1117040	05/01/2024	07:30:00	Analyzed	1117040	05/01/2024	07:30:00	ALB
NELAC	Solid Metals Digestion Hg	50/0.5068		grams						01
	EPA 9010C	Prepared:	1117019	05/01/2024	07:54:32	Analyzed	1117019	05/01/2024	07:54:32	MEG
NELAC	Cyanide Distillation	10/0.1045		grams						01

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2294552 Sludge Table III Received: 04/30/2024

22201773 - 01

04/26/2024

EPA 9065	Prepared:	1117822	05/06/2024	11:33:01	Analyzed	1117822	05/06/2024	11:33:01	MEG	
NELAC Phenol Distillation	6/0.5033	grams								03
SM 2540 G-1997	Prepared:	1116962	04/30/2024	16:47:00	Analyzed	1116962	04/30/2024	16:47:00	BEK	
NELAC Total Solids Start Code	Started									

2294553 Belt Press Sludge Annual Received: 04/30/2024

22201773 - 01

04/26/2024

	Prepared:		05/15/2024	16:20:00	Analyzed		05/15/2024	16:20:00	WJP	
z Level IV Data Review	Completed									
EPA 3510C	Prepared:	1116964	04/30/2024	16:35:00	Analyzed	1117394	05/02/2024	12:45:00	MCC	
TCLP Liquid-Liquid Extract	1/100	ml								05
EPA 3510C	Prepared:	1116964	04/30/2024	16:35:00	Analyzed	1117860	05/06/2024	13:30:00	SAB	
TCLP Liq-Liq Extr. W/Hex Exch.	10/200	ml								05
EPA 1311	Prepared:	1116964	04/30/2024	16:35:00	Analyzed	1116964	04/30/2024	16:35:00	SLF	
NELAC TCLP Extraction Non-Volatile	SOLID EXT 1	ml								01

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2294553 **Belt Press Sludge Annual**

Received: 04/30/2024

22201773 - 01

04/26/2024

	EPA 1311ZHE	*Prepared:*	*1117380*	*05/02/2024*	*12:45:35*	*Analyzed*	*1117380*	*05/02/2024*	*12:45:35*	*SLF*
NELAC	**TCLP Extraction ZHE Volatiles**	**100% SOLID**		**ml**						01
	EPA 200.2 2.8	*Prepared:*	*1117794*	*05/06/2024*	*10:30:00*	*Analyzed*	*1117794*	*05/06/2024*	*10:30:00*	*TES*
NELAC	**Solid Metals Digestion**	**50/2.98**		**grams**						02
	EPA 3005A	*Prepared:*	*1116964*	*04/30/2024*	*16:35:00*	*Analyzed*	*1117168*	*05/01/2024*	*14:45:00*	*TES*
z	**Metals Digestion TCLP Extract**	**50/10**		**ml**						04
	EPA 7470A	*Prepared:*	*1116964*	*04/30/2024*	*16:35:00*	*Analyzed*	*1117268*	*05/02/2024*	*07:30:00*	*ALB*
NELAC	**Metals Digestion TCLP 7470**	**50/2.5**		**ml**						04
	EPA 8081A	*Prepared:*	*1117860*	*05/06/2024*	*13:30:00*	*Analyzed*	*1118270*	*05/07/2024*	*19:59:00*	*KAP*
NELAC	**GC TCLP Pesticide**	**Entered**								17
	EPA 8151	*Prepared:*	*1117663*	*05/03/2024*	*11:00:00*	*Analyzed*	*1118013*	*05/06/2024*	*20:51:00*	*KAP*
NELAC	**GC TCLP Herbicide**	**Entered**								13
	EPA 8151A (Prep)	*Prepared:*	*1116964*	*04/30/2024*	*16:35:00*	*Analyzed*	*1117663*	*05/03/2024*	*11:00:00*	*MCC*
NELAC	**Esterification of TCLP Extract**	**10/1**		**ml**						05

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2294553 **Belt Press Sludge Annual** Received: 04/30/2024

22201773 - 01

04/26/2024

EPA 8260B	*Prepared:*	*1117380*	*05/02/2024*	*12:45:35*	*Analyzed*	*1117958*	*05/06/2024*	*11:30:00*	*MR1*
NELAC **MS TCLP Volatile Analysis**	**Entered**								11
EPA 8270C	*Prepared:*	*1117394*	*05/02/2024*	*12:45:00*	*Analyzed*	*1117801*	*05/04/2024*	*01:33:00*	*DWL*
NELAC **MS TCLP Semivolatile Analysis**	**Entered**								12
SM 2540 G-1997	*Prepared:*	*1116962*	*04/30/2024*	*16:47:00*	*Analyzed*	*1116962*	*04/30/2024*	*16:47:00*	*BEK*
NELAC **Total Solids Start Code**	**Started**								

Qualifiers:

B - Analyte detected in the associated method blank
D - Duplicate RPD was higher than expected
E - Estimated Value
(- Sample from Bulk Container
H - Sample started outside recommended holding time
P - Spike recovery outside control limits due to matrix effects.
X - Standard reads higher than desired.
S - Standard reads lower than desired

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

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

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

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

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Bill Peery

Bill Peery, MS, VP Technical Services

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Analytical Set 1117645 — EPA 9014

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide, total	1117019	ND	0.0012	0.010	mg/kg	126300291

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.514	0.500	mg/kg	103	90.0 - 110	126300289
Cyanide, total	0.511	0.500	mg/kg	102	90.0 - 110	126300290
Cyanide, total	0.514	0.500	mg/kg	103	90.0 - 110	126300293
Cyanide, total	0.515	0.500	mg/kg	103	90.0 - 110	126300298
Cyanide, total	0.516	0.500	mg/kg	103	90.0 - 110	126300299
Cyanide, total	0.515	0.500	mg/kg	103	90.0 - 110	126300300
Cyanide, total	0.515	0.500	mg/kg	103	90.0 - 110	126300301

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide, total	2294549	ND	ND	mg/kg		20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.211	0.200	mg/kg	106	90.0 - 110	126300288

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide, total	1117019	0.217	0.217	0.200	90.0 - 110	108	108	mg/kg	0	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Cyanide, total	2294549	19.7	ND	18.3	mg/kg	108	90.0 - 110	126300296

Analytical Set 1117650 — EPA 9014

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide After Chlorination	1117061	ND	0.00226	0.010	mg/kg	126300448

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.514	0.500	mg/kg	103	90.0 - 110	126300444
Cyanide After Chlorination	0.511	0.500	mg/kg	102	90.0 - 110	126300445
Cyanide After Chlorination	0.514	0.500	mg/kg	103	90.0 - 110	126300446
Cyanide After Chlorination	0.515	0.500	mg/kg	103	90.0 - 110	126300447
Cyanide After Chlorination	0.516	0.500	mg/kg	103	90.0 - 110	126300454
Cyanide After Chlorination	0.515	0.500	mg/kg	103	90.0 - 110	126300455
Cyanide After Chlorination	0.515	0.500	mg/kg	103	90.0 - 110	126300456

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide After Chlorination	2294549	ND	ND	mg/kg		20.0

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ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.211	0.200	mg/kg	106	90.0 - 110	126300443

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide After Chlorination	1117061	0.198	0.212	0.200	90.0 - 110	99.0	106	mg/kg	6.83	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Cyanide After Chlorination	2294549	2.12	ND	1.99	mg/kg	107	90.0 - 110	126300453

Analytical Set 1118229 — EPA 9065

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Phenolics, Total Recoverable	1117822	ND	0.176	0.250	mg/kg	126315420

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.213	0.200	mg/kg	106	90.0 - 110	126315419
Phenolics, Total Recoverable	0.195	0.200	mg/kg	97.5	90.0 - 110	126315427
Phenolics, Total Recoverable	0.215	0.200	mg/kg	108	90.0 - 110	126315430

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Phenolics, Total Recoverable	2293770	0.228	0.250	mg/kg	9.21	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.207	0.200	mg/kg	104	90.0 - 110	126315418

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Phenolics, Total Recoverable	1117822	10.4	9.85	10.0	90.0 - 110	104	98.5	mg/kg	5.43	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File	
Phenolics, Total Recoverable	2293770	2.04	0.250	2.40	mg/kg	74.6	90.0 - 110	126315425	*

Analytical Set 1117011 — SM2540 G-1997 /MOD

ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Solids for Dry Wt Conversi	1117011	0.0002			grams	126285722

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Solids for Dry Wt Conversi	2294431	82.1	83.1	%	1.21	20.0

Analytical Set 1117711 — EPA 9056

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
Fluoride (water extractable)	1117396	ND	0.00863	0.100	mg/kg	126301696
Nitrate-Nitrogen	1117396	ND	0.00185	0.0226	mg/kg	126301696

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Fluoride (water extractable)	9.98	10.0	mg/kg	99.8	90.0 - 110	126301695
Fluoride (water extractable)	9.75	10.0	mg/kg	97.5	90.0 - 110	126301703
Nitrate-Nitrogen	2.44	2.26	mg/kg	108	90.0 - 110	126301695
Nitrate-Nitrogen	2.32	2.26	mg/kg	103	90.0 - 110	126301703

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Fluoride (water extractable)	1117396	5.97	5.97	5.00	82.0 - 120	119	119	mg/kg	0	20.0
Nitrate-Nitrogen	1117396	1.26	1.31	1.13	75.0 - 120	112	116	mg/kg	3.89	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Fluoride (water extractable)	2295294	0.399	3.09	0.830	10.0	80.0 - 120	-43.1 *	226 *	mg/kg	294 *	20.0
Nitrate-Nitrogen	2295294	0.288	2.51	2.18	2.26	80.0 - 120	-837 *	146 *	mg/kg	159 *	20.0

Analytical Set 1117125 — EPA 7471B 2

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury	1117040	0.0000695	0.0000415	0.0001	mg/kg	126288383

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury	0.00504	0.005	mg/kg	101	90.0 - 110	126288366
Mercury	0.00501	0.005	mg/kg	100	90.0 - 110	126288367
Mercury	0.00496	0.005	mg/kg	99.2	90.0 - 110	126288381
Mercury	0.00501	0.005	mg/kg	100	90.0 - 110	126288382
Mercury	0.00484	0.005	mg/kg	96.8	90.0 - 110	126288392
Mercury	0.00476	0.005	mg/kg	95.2	90.0 - 110	126288393

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury	0.0195	0.02	mg/kg	97.5	90.0 - 110	126288365

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury	0.00493	0.005	mg/kg	98.6	90.0 - 110	126288364

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Mercury	1117040	0.00874	0.00866	0.010	78.6 - 104	87.4	86.6	mg/kg	0.920	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury	2293771	0.979	0.954	0.0503	0.995	74.3 - 109	93.7	91.2	mg/kg	2.73	25.0

Analytical Set 1117367 — EPA 7470 A

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
TCLP Mercury	1117268	ND	0.000113	0.0002	mg/L	126294004

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP Mercury	0.00497	0.005	mg/L	99.4	90.0 - 110	126293992
TCLP Mercury	0.0051	0.005	mg/L	102	90.0 - 110	126293994
TCLP Mercury	0.00499	0.005	mg/L	99.8	90.0 - 110	126294002
TCLP Mercury	0.00501	0.005	mg/L	100	90.0 - 110	126294009
TCLP Mercury	0.00507	0.005	mg/L	101	90.0 - 110	126294013

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP Mercury	0.0205	0.02	mg/L	102	90.0 - 110	126293990

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP Mercury	0.00496	0.005	mg/L	99.2	90.0 - 110	126293989

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
TCLP Mercury	1117268	0.00928	0.00926	0.010	85.1 - 117	92.8	92.6	mg/L	0.216	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
TCLP Mercury	2294459	0.0913	0.0939	ND	0.100	80.9 - 121	91.3	93.9	mg/L	2.81	20.0

Analytical Set 1117530 — EPA 6020A

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
TCLP Arsenic	1117168	ND	0.000902	0.001	mg/L	126297418
TCLP Barium	1117168	ND	0.00207	0.005	mg/L	126297418
TCLP Cadmium	1117168	ND	0.00012	0.001	mg/L	126297418
TCLP Chromium	1117168	0.0017	0.000392	0.001	mg/L	126297418
TCLP Lead	1117168	ND	0.000549	0.001	mg/L	126297418
TCLP Selenium	1117168	ND	0.00294	0.005	mg/L	126297418
TCLP Silver	1117168	ND	0.000276	0.001	mg/L	126297418

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP Arsenic	0.0479	0.05	mg/L	95.8	90.0 - 110	126297417
TCLP Arsenic	0.0495	0.05	mg/L	99.0	90.0 - 110	126297427
TCLP Barium	0.0478	0.05	mg/L	95.6	90.0 - 110	126297417

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP Barium	0.0476	0.05	mg/L	95.2	90.0 - 110	126297427
TCLP Cadmium	0.0486	0.05	mg/L	97.2	90.0 - 110	126297417
TCLP Cadmium	0.0492	0.05	mg/L	98.4	90.0 - 110	126297427
TCLP Chromium	0.0498	0.05	mg/L	99.6	90.0 - 110	126297417
TCLP Chromium	0.0506	0.05	mg/L	101	90.0 - 110	126297427
TCLP Lead	0.0513	0.05	mg/L	103	90.0 - 110	126297417
TCLP Lead	0.0516	0.05	mg/L	103	90.0 - 110	126297427
TCLP Selenium	0.0478	0.05	mg/L	95.6	90.0 - 110	126297417
TCLP Selenium	0.049	0.05	mg/L	98.0	90.0 - 110	126297427
TCLP Silver	0.0485	0.05	mg/L	97.0	90.0 - 110	126297417
TCLP Silver	0.0491	0.05	mg/L	98.2	90.0 - 110	126297427

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP Arsenic	0.0488	0.05	mg/L	97.6	90.0 - 110	126297412
TCLP Barium	0.0488	0.05	mg/L	97.6	90.0 - 110	126297412
TCLP Cadmium	0.0493	0.05	mg/L	98.6	90.0 - 110	126297412
TCLP Chromium	0.0509	0.05	mg/L	102	90.0 - 110	126297412
TCLP Lead	0.0507	0.05	mg/L	101	90.0 - 110	126297412
TCLP Selenium	0.0491	0.05	mg/L	98.2	90.0 - 110	126297412
TCLP Silver	0.0493	0.05	mg/L	98.6	90.0 - 110	126297412

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
TCLP Arsenic	1117168	0.466	0.468	0.500	82.8 - 120	93.2	93.6	mg/L	0.428	14.0
TCLP Barium	1117168	0.482	0.497	0.500	83.1 - 113	96.4	99.4	mg/L	3.06	14.0
TCLP Cadmium	1117168	0.242	0.250	0.250	86.0 - 115	96.8	100	mg/L	3.25	14.0
TCLP Chromium	1117168	0.490	0.504	0.500	84.3 - 118	98.0	101	mg/L	2.82	14.0
TCLP Lead	1117168	0.485	0.504	0.500	85.1 - 115	97.0	101	mg/L	3.84	14.0
TCLP Selenium	1117168	0.459	0.467	0.500	83.5 - 121	91.8	93.4	mg/L	1.73	14.0
TCLP Silver	1117168	0.0823	0.0858	0.100	80.1 - 118	82.3	85.8	mg/L	4.16	14.0

LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP Arsenic	9.76	10	mg/L	97.6	90.0 - 110	126297414
TCLP Barium	9.80	10	mg/L	98.0	90.0 - 110	126297414
TCLP Cadmium	9.51	10	mg/L	95.1	90.0 - 110	126297414
TCLP Chromium	9.90	10	mg/L	99.0	90.0 - 110	126297414
TCLP Lead	9.34	10	mg/L	93.4	90.0 - 110	126297414
TCLP Selenium	9.51	10	mg/L	95.1	90.0 - 110	126297414

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
TCLP Arsenic	2294553	3.31	3.31	ND	2.50	84.9 - 114	132 *	132 *	mg/L	0	20.0
TCLP Barium	2294553	3.58	3.51	0.259	2.50	80.3 - 115	133 *	130 *	mg/L	2.13	20.0
TCLP Cadmium	2294553	1.72	1.67	0.00121	1.25	78.2 - 120	138 *	134 *	mg/L	2.95	20.0

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MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
TCLP Chromium	2294553	3.56	3.46	0.0334	2.50	86.0 - 117	141 *	137 *	mg/L	2.88	20.0
TCLP Lead	2294553	3.59	3.45	0.00447	2.50	85.0 - 116	143 *	138 *	mg/L	3.98	20.0
TCLP Selenium	2294553	3.36	3.32	ND	2.50	80.2 - 121	134 *	133 *	mg/L	1.20	20.0
TCLP Silver	2294553	0.588	0.579	0.000399	0.500	80.7 - 115	118 *	116 *	mg/L	1.54	20.0

Analytical Set 1117866 — EPA 6020A

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Antimony, Total	1117794	0.00146	0.000806	0.001	mg/kg	126306112
Arsenic, Total	1117794	ND	0.000492	0.002	mg/kg	126306112
Barium, Total	1117794	0.000378	0.000369	0.001	mg/kg	126306112
Beryllium, Total	1117794	0.000152	0.0000765	0.001	mg/kg	126306112
Cadmium, Total	1117794	ND	0.000223	0.001	mg/kg	126306112
Chromium, Total	1117794	0.00221	0.000409	0.001	mg/kg	126306112
Molybdenum, Total	1117794	ND	0.000287	0.003	mg/kg	126306112
Nickel, Total	1117794	0.00627	0.000336	0.001	mg/kg	126306112
Selenium, Total	1117794	ND	0.000835	0.003	mg/kg	126306112
Silver, Total	1117794	ND	0.000113	0.001	mg/kg	126306112
Zinc, Total	1117794	0.0136	0.000432	0.005	mg/kg	126306112

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Antimony, Total	0.0456	0.05	mg/kg	91.2	90.0 - 110	126306111
Antimony, Total	0.0454	0.05	mg/kg	90.8	90.0 - 110	126306119
Antimony, Total	0.0477	0.05	mg/kg	95.4	90.0 - 110	126306121
Arsenic, Total	0.051	0.05	mg/kg	102	90.0 - 110	126306111
Arsenic, Total	0.0491	0.05	mg/kg	98.2	90.0 - 110	126306119
Arsenic, Total	0.0485	0.05	mg/kg	97.0	90.0 - 110	126306121
Barium, Total	0.0471	0.05	mg/kg	94.2	90.0 - 110	126306111
Barium, Total	0.0476	0.05	mg/kg	95.2	90.0 - 110	126306119
Barium, Total	0.050	0.05	mg/kg	100	90.0 - 110	126306121
Beryllium, Total	0.0478	0.05	mg/kg	95.6	90.0 - 110	126306111
Beryllium, Total	0.0477	0.05	mg/kg	95.4	90.0 - 110	126306119
Beryllium, Total	0.050	0.05	mg/kg	100	90.0 - 110	126306121
Cadmium, Total	0.0465	0.05	mg/kg	93.0	90.0 - 110	126306111
Cadmium, Total	0.0479	0.05	mg/kg	95.8	90.0 - 110	126306119
Cadmium, Total	0.0505	0.05	mg/kg	101	90.0 - 110	126306121
Chromium, Total	0.0463	0.05	mg/kg	92.6	90.0 - 110	126306111
Chromium, Total	0.0495	0.05	mg/kg	99.0	90.0 - 110	126306119
Molybdenum, Total	0.0457	0.05	mg/kg	91.4	90.0 - 110	126306111
Molybdenum, Total	0.0468	0.05	mg/kg	93.6	90.0 - 110	126306119
Molybdenum, Total	0.0491	0.05	mg/kg	98.2	90.0 - 110	126306121
Nickel, Total	0.0479	0.05	mg/kg	95.8	90.0 - 110	126306111
Nickel, Total	0.0486	0.05	mg/kg	97.2	90.0 - 110	126306119
Nickel, Total	0.0514	0.05	mg/kg	103	90.0 - 110	126306121

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Selenium, Total	0.0522	0.05	mg/kg	104	90.0 - 110	126306111
Selenium, Total	0.0512	0.05	mg/kg	102	90.0 - 110	126306119
Selenium, Total	0.0488	0.05	mg/kg	97.6	90.0 - 110	126306121
Silver, Total	0.0476	0.05	mg/kg	95.2	90.0 - 110	126306111
Silver, Total	0.048	0.05	mg/kg	96.0	90.0 - 110	126306119
Silver, Total	0.0515	0.05	mg/kg	103	90.0 - 110	126306121
Zinc, Total	0.047	0.05	mg/kg	94.0	90.0 - 110	126306111
Zinc, Total	0.0493	0.05	mg/kg	98.6	90.0 - 110	126306119
Zinc, Total	0.0509	0.05	mg/kg	102	90.0 - 110	126306121

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.0512	0.05	mg/kg	102	90.0 - 110	126306099
Arsenic, Total	0.0502	0.05	mg/kg	100	90.0 - 110	126306099
Barium, Total	0.0492	0.05	mg/kg	98.4	90.0 - 110	126306099
Beryllium, Total	0.049	0.05	mg/kg	98.0	90.0 - 110	126306099
Cadmium, Total	0.0498	0.05	mg/kg	99.6	90.0 - 110	126306099
Chromium, Total	0.0492	0.05	mg/kg	98.4	90.0 - 110	126306099
Molybdenum, Total	0.0485	0.05	mg/kg	97.0	90.0 - 110	126306099
Nickel, Total	0.0503	0.05	mg/kg	101	90.0 - 110	126306099
Selenium, Total	0.050	0.05	mg/kg	100	90.0 - 110	126306099
Silver, Total	0.0505	0.05	mg/kg	101	90.0 - 110	126306099
Zinc, Total	0.0494	0.05	mg/kg	98.8	90.0 - 110	126306099

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Antimony, Total	1117794	2.91	2.84	2.50	80.0 - 120	116	114	mg/kg	2.43	20.0
Arsenic, Total	1117794	2.46	2.40	2.50	80.0 - 120	98.4	96.0	mg/kg	2.47	20.0
Barium, Total	1117794	2.76	2.68	2.50	80.0 - 120	110	107	mg/kg	2.94	20.0
Beryllium, Total	1117794	0.918	0.903	1.00	81.9 - 114	91.8	90.3	mg/kg	1.65	20.0
Cadmium, Total	1117794	1.17	1.16	1.25	80.0 - 120	93.6	92.8	mg/kg	0.858	20.0
Chromium, Total	1117794	2.98	2.89	2.50	80.0 - 120	119	116	mg/kg	3.07	20.0
Molybdenum, Total	1117794	2.74	2.69	2.50	80.0 - 120	110	108	mg/kg	1.84	20.0
Nickel, Total	1117794	2.74	2.67	2.50	80.0 - 120	110	107	mg/kg	2.59	20.0
Selenium, Total	1117794	2.42	2.36	2.50	80.0 - 120	96.8	94.4	mg/kg	2.51	20.0
Silver, Total	1117794	0.481	0.473	0.500	80.0 - 120	96.2	94.6	mg/kg	1.68	20.0
Zinc, Total	1117794	2.36	2.32	2.50	80.0 - 120	94.4	92.8	mg/kg	1.71	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Antimony, Total	2294553	47.4	46.1	0.735	42.1	6.83 - 143	111	108	mg/kg	2.83	20.0
Arsenic, Total	2294553	40.9	39.9	1.22	42.1	67.5 - 123	94.3	91.9	mg/kg	2.55	20.0
Barium, Total	2294553	126	119	78.5	42.1	16.3 - 180	113	96.2	mg/kg	15.9	20.0
Beryllium, Total	2294553	16.2	15.4	0.021	16.9	79.5 - 115	96.3	91.5	mg/kg	5.07	20.0
Cadmium, Total	2294553	20.5	19.6	0.173	21.1	86.3 - 114	96.8	92.5	mg/kg	4.53	20.0
Chromium, Total	2294553	61.4	60.5	4.80	42.1	80.1 - 122	134 *	132 *	mg/kg	1.60	20.0

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Printed 05/15/2024

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Molybdenum, Total	2294553	50.8	49.3	3.73	42.1	62.9 - 137	112	108	mg/kg	3.24	20.0
Nickel, Total	2294553	48.4	46.7	2.73	42.1	76.5 - 121	108	104	mg/kg	3.79	20.0
Selenium, Total	2294553	44.0	42.9	3.37	42.1	63.9 - 122	96.5	93.9	mg/kg	2.74	20.0
Silver, Total	2294553	8.64	8.29	0.460	8.43	77.6 - 116	97.1	93.0	mg/kg	4.37	20.0
Zinc, Total	2294553	155	150	116	42.1	28.6 - 157	92.6	80.8	mg/kg	13.7	20.0

Analytical Set 1117889 — EPA 6010C

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Strontium	1117794	0.00099	0.000223	0.010	mg/kg	126306760

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Strontium	0.202	0.200	mg/kg	101	90.0 - 110	126306758
Strontium	0.199	0.200	mg/kg	99.5	90.0 - 110	126306759
Strontium	0.195	0.200	mg/kg	97.5	90.0 - 110	126306768

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Strontium	0.995	1.00	mg/kg	99.5	95.0 - 105	126306756

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Strontium	0.206	0.200	mg/kg	103	90.0 - 110	126306757

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Strontium	1117794	2.28	2.27	2.50	80.0 - 120	91.2	90.8	mg/kg	0.440	25.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Strontium	2293701	1010	1050	983	83.3	30.6 - 172	33.5	83.1	mg/kg	85.1 *	25.0

Analytical Set 1117937 — EPA 7196A

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Hexavalent Cr(water extractable)	1117927	ND	10.0	10.0	ug/kg	126308325
Hexavalent Cr(water extractable)	1117937	ND	10.0	10.0	ug/kg	126308332

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Hexavalent Cr(water extractable)	86.4	80.0	ug/kg	108	90.0 - 110	126308326
Hexavalent Cr(water extractable)	86.2	80.0	ug/kg	108	90.0 - 110	126308333

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Hexavalent Cr(water extractable)	1117927	86.4	84.4	80.0	85.0 - 115	108	106	ug/kg	2.34	20.0

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Odessa, TX 79764

Project
1101253

Printed 05/15/2024

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Hexavalent Cr(water extractable)	2294549	792	802	ND	800	70.0 - 130	99.0	100	ug/kg	1.25	20.0

Analytical Set 1118159 — EPA 6020A

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Aluminum, Total	1117794	0.0944	0.00145	0.010	mg/kg	126312985
Copper, Total	1117794	ND	0.000242	0.001	mg/kg	126312985
Lead, Total	1117794	ND	0.000262	0.001	mg/kg	126312985
Thallium, Total	1117794	ND	0.000233	0.001	mg/kg	126312985

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.0528	0.05	mg/kg	106	90.0 - 110	126312981
Aluminum, Total	0.0541	0.05	mg/kg	108	90.0 - 110	126312992
Aluminum, Total	0.0528	0.05	mg/kg	106	90.0 - 110	126312994
Copper, Total	0.0492	0.05	mg/kg	98.4	90.0 - 110	126312981
Copper, Total	0.0537	0.05	mg/kg	107	90.0 - 110	126312992
Copper, Total	0.0522	0.05	mg/kg	104	90.0 - 110	126312994
Lead, Total	0.0489	0.05	mg/kg	97.8	90.0 - 110	126312981
Lead, Total	0.0518	0.05	mg/kg	104	90.0 - 110	126312992
Lead, Total	0.0519	0.05	mg/kg	104	90.0 - 110	126312994
Lead, Total	0.0527	0.05	mg/kg	105	90.0 - 110	126313001
Lead, Total	0.0527	0.05	mg/kg	105	90.0 - 110	126313005
Thallium, Total	0.0486	0.05	mg/kg	97.2	90.0 - 110	126312981
Thallium, Total	0.0513	0.05	mg/kg	103	90.0 - 110	126312992
Thallium, Total	0.0511	0.05	mg/kg	102	90.0 - 110	126312994

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Aluminum, Total	0.0527	0.05	mg/kg	105	90.0 - 110	126312947
Copper, Total	0.0535	0.05	mg/kg	107	90.0 - 110	126312947
Lead, Total	0.0518	0.05	mg/kg	104	90.0 - 110	126312947
Thallium, Total	0.0502	0.05	mg/kg	100	90.0 - 110	126312947

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Aluminum, Total	1117794	2.73	2.82	2.50	81.9 - 117	109	113	mg/kg	3.24	20.0
Copper, Total	1117794	2.55	2.64	2.50	80.0 - 120	102	106	mg/kg	3.47	20.0
Lead, Total	1117794	2.43	2.49	2.50	80.0 - 120	97.2	99.6	mg/kg	2.44	20.0
Thallium, Total	1117794	2.44	2.50	2.50	79.8 - 111	97.6	100	mg/kg	2.43	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Aluminum, Total	2294553	506	492	463	42.1	0.100 - 3390	102	68.9	mg/kg	38.9 *	20.0
Copper, Total	2294553	87.9	85.8	41.1	42.1	40.4 - 145	111	106	mg/kg	4.59	20.0
Lead, Total	2294553	44.1	42.7	3.58	42.1	78.8 - 123	96.2	92.9	mg/kg	3.52	20.0

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Odessa, TX 79764

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1101253

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Thallium, Total	2294553	40.3	39.8	0.0101	42.1	70.2 - 112	95.7	94.5	mg/kg	1.25	20.0

Analytical Set 1117309 — EPA 8260B

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1117309	174	240	1.5	0 - 2.00	126292711
BFB Mass 174	1117309	95.0	15955	60.9	50.0 - 100	126292711
BFB Mass 175	1117309	174	1245	7.8	5.00 - 9.00	126292711
BFB Mass 176	1117309	174	15708	98.5	95.0 - 101	126292711
BFB Mass 177	1117309	176	1114	7.1	5.00 - 9.00	126292711
BFB Mass 50	1117309	95.0	4560	17.4	15.0 - 40.0	126292711
BFB Mass 75	1117309	95.0	12456	47.6	30.0 - 60.0	126292711
BFB Mass 95	1117309	95.0	26184	100.0	100 - 100	126292711
BFB Mass 96	1117309	95.0	1744	6.7	5.00 - 9.00	126292711

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Acrolein	1117309	ND	1.92	2.00	ug/kg	126292715
Acrylonitrile	1117309	ND	0.835	1.00	ug/kg	126292715

CCC

Parameter	Reading	Known	Units	Recover%	Limits%	File
1,1-Dichloroethylene	20.5	20.00	ug/kg	102	80.0 - 120	126292712
1,2-Dichloropropane	17.8	20.00	ug/kg	89.0	80.0 - 120	126292712
Chloroform	18.2	20.00	ug/kg	91.0	80.0 - 120	126292712
Ethylbenzene	19.2	20.00	ug/kg	96.0	80.0 - 120	126292712
Toluene	18.7	20.00	ug/kg	93.5	80.0 - 120	126292712
Vinyl chloride	18.0	20.00	ug/kg	90.0	80.0 - 120	126292712

CCV

Parameter	Reading	Known	Units	Recover%	Limits%		File
Acrolein	31.2	40.0	ug/kg	78.0	80.0 - 120	*	126292712
Acrylonitrile	30.4	40.0	ug/kg	76.0	80.0 - 120	*	126292712

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1117309	CCV	138100	138100	69070	207200	126292712	1117309
1,4-DichlorobenzeneD4 (ISTD)	1117309	LCS	133700	138100	69070	207200	126292713	1117309
1,4-DichlorobenzeneD4 (ISTD)	1117309	LCS Dup	129400	138100	69070	207200	126292714	1117309
1,4-DichlorobenzeneD4 (ISTD)	1117309	Blank	129700	138100	69070	207200	126292715	1117309
ChlorobenzeneD5 (ISTD)	1117309	CCV	274000	274000	137000	411000	126292712	1117309
ChlorobenzeneD5 (ISTD)	1117309	LCS	272000	274000	137000	411000	126292713	1117309
ChlorobenzeneD5 (ISTD)	1117309	LCS Dup	267000	274000	137000	411000	126292714	1117309
ChlorobenzeneD5 (ISTD)	1117309	Blank	271300	274000	137000	411000	126292715	1117309
1,4-DichlorobenzeneD4 (ISTD)	2292851	MS	128100	138100	69070	207200	126292719	1117309
1,4-DichlorobenzeneD4 (ISTD)	2292851	MSD	126600	138100	69070	207200	126292720	1117309

QUALITY CONTROL

ODES-W

City of Odessa
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Odessa, TX 79764

Project
1101253

Printed 05/15/2024

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
ChlorobenzeneD5 (ISTD)	2292851	MS	260500	274000	137000	411000	126292719	1117309
ChlorobenzeneD5 (ISTD)	2292851	MSD	256300	274000	137000	411000	126292720	1117309
1,4-DichlorobenzeneD4 (ISTD)	2294549	Unknown	135600	138100	69070	207200	126292716	1117309
ChlorobenzeneD5 (ISTD)	2294549	Unknown	276600	274000	137000	411000	126292716	1117309
1,4-DichlorobenzeneD4 (ISTD)	2294551	Unknown	131400	138100	69070	207200	126292717	1117309
ChlorobenzeneD5 (ISTD)	2294551	Unknown	266500	274000	137000	411000	126292717	1117309

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1117309	CCV	11.97	11.97	11.91	12.03	126292712	1117309
1,4-DichlorobenzeneD4 (ISTD)	1117309	LCS	11.97	11.97	11.91	12.03	126292713	1117309
1,4-DichlorobenzeneD4 (ISTD)	1117309	LCS Dup	11.97	11.97	11.91	12.03	126292714	1117309
1,4-DichlorobenzeneD4 (ISTD)	1117309	Blank	11.97	11.97	11.91	12.03	126292715	1117309
ChlorobenzeneD5 (ISTD)	1117309	CCV	9.597	9.597	9.537	9.657	126292712	1117309
ChlorobenzeneD5 (ISTD)	1117309	LCS	9.597	9.597	9.537	9.657	126292713	1117309
ChlorobenzeneD5 (ISTD)	1117309	LCS Dup	9.597	9.597	9.537	9.657	126292714	1117309
ChlorobenzeneD5 (ISTD)	1117309	Blank	9.597	9.597	9.537	9.657	126292715	1117309
1,4-DichlorobenzeneD4 (ISTD)	2292851	MS	11.97	11.97	11.91	12.03	126292719	1117309
1,4-DichlorobenzeneD4 (ISTD)	2292851	MSD	11.97	11.97	11.91	12.03	126292720	1117309
ChlorobenzeneD5 (ISTD)	2292851	MS	9.597	9.597	9.537	9.657	126292719	1117309
ChlorobenzeneD5 (ISTD)	2292851	MSD	9.597	9.597	9.537	9.657	126292720	1117309
1,4-DichlorobenzeneD4 (ISTD)	2294549	Unknown	11.97	11.97	11.91	12.03	126292716	1117309
ChlorobenzeneD5 (ISTD)	2294549	Unknown	9.597	9.597	9.537	9.657	126292716	1117309
1,4-DichlorobenzeneD4 (ISTD)	2294551	Unknown	11.97	11.97	11.91	12.03	126292717	1117309
ChlorobenzeneD5 (ISTD)	2294551	Unknown	9.597	9.597	9.537	9.657	126292717	1117309

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Acrolein	1117309	40.9	41.6	40.0	0.100 - 258	102	104	ug/kg	1.94	30.0
Acrylonitrile	1117309	37.4	36.4	40.0	33.3 - 160	93.5	91.0	ug/kg	2.71	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Acrolein	2292851	251	237	ND	400	0.100 - 1490	62.8	59.2	ug/kg	5.74	30.0
Acrylonitrile	2292851	393	385	ND	400	74.0 - 124	98.2	96.2	ug/kg	2.06	30.0

SPCC

Parameter	Sample	RF	Minimum	File
1,1,2,2-Tetrachloroethane	1117309	16.9	0.300	126292712
1,1-Dichloroethane	1117309	17.9	0.100	126292712
Bromoform	1117309	17.1	0.100	126292712
Chlorobenzene	1117309	19.9	0.300	126292712
Chloromethane (Methyl Chloride)	1117309	16.8	0.100	126292712

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1117309	CCV	16.9	20.0	ug/kg	84.5	72.3 - 106	126292712

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Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
1,2-DCA-d4 (SURR)	1117309	LCS	16.8	20.0	ug/kg	84.0	72.3 - 106	126292713
1,2-DCA-d4 (SURR)	1117309	LCS Dup	16.9	20.0	ug/kg	84.5	72.3 - 106	126292714
1,2-DCA-d4 (SURR)	1117309	Blank	17.6	20.0	ug/kg	88.0	72.3 - 106	126292715
Bromofluorobenzene (SURR)	1117309	CCV	19.6	20.0	ug/kg	98.0	87.2 - 122	126292712
Bromofluorobenzene (SURR)	1117309	LCS	19.9	20.0	ug/kg	99.5	87.2 - 122	126292713
Bromofluorobenzene (SURR)	1117309	LCS Dup	19.7	20.0	ug/kg	98.5	87.2 - 122	126292714
Bromofluorobenzene (SURR)	1117309	Blank	20.3	20.0	ug/kg	102	87.2 - 122	126292715
Dibromofluoromethane (SURR)	1117309	CCV	19.1	20.0	ug/kg	95.5	46.7 - 114	126292712
Dibromofluoromethane (SURR)	1117309	LCS	19.5	20.0	ug/kg	97.5	46.7 - 114	126292713
Dibromofluoromethane (SURR)	1117309	LCS Dup	19.7	20.0	ug/kg	98.5	46.7 - 114	126292714
Dibromofluoromethane (SURR)	1117309	Blank	19.1	20.0	ug/kg	95.5	46.7 - 114	126292715
TolueneD8 (SURR)	1117309	CCV	19.6	20.0	ug/kg	98.0	57.4 - 112	126292712
TolueneD8 (SURR)	1117309	LCS	19.9	20.0	ug/kg	99.5	57.4 - 112	126292713
TolueneD8 (SURR)	1117309	LCS Dup	19.5	20.0	ug/kg	97.5	57.4 - 112	126292714
TolueneD8 (SURR)	1117309	Blank	20.0	20.0	ug/kg	100	57.4 - 112	126292715
1,2-DCA-d4 (SURR)	2292851	MS	17.1	20.0	ug/kg	85.5	72.3 - 106	126292719
1,2-DCA-d4 (SURR)	2292851	MSD	17.3	20.0	ug/kg	86.5	72.3 - 106	126292720
Bromofluorobenzene (SURR)	2292851	MS	19.8	20.0	ug/kg	99.0	87.2 - 122	126292719
Bromofluorobenzene (SURR)	2292851	MSD	19.8	20.0	ug/kg	99.0	87.2 - 122	126292720
Dibromofluoromethane (SURR)	2292851	MS	18.9	20.0	ug/kg	94.5	46.7 - 114	126292719
Dibromofluoromethane (SURR)	2292851	MSD	19.6	20.0	ug/kg	98.0	46.7 - 114	126292720
TolueneD8 (SURR)	2292851	MS	19.9	20.0	ug/kg	99.5	57.4 - 112	126292719
TolueneD8 (SURR)	2292851	MSD	20.3	20.0	ug/kg	102	57.4 - 112	126292720
1,2-DCA-d4 (SURR)	2294549	Unknown	25.8	20.0	ug/kg	129 *	72.3 - 106	126292716
Bromofluorobenzene (SURR)	2294549	Unknown	25.2	20.0	ug/kg	126 *	87.2 - 122	126292716
Dibromofluoromethane (SURR)	2294549	Unknown	27.2	20.0	ug/kg	136 *	46.7 - 114	126292716
TolueneD8 (SURR)	2294549	Unknown	27.2	20.0	ug/kg	136 *	57.4 - 112	126292716
1,2-DCA-d4 (SURR)	2294551	Unknown	28.8	20.0	ug/kg	144 *	72.3 - 106	126292717
Bromofluorobenzene (SURR)	2294551	Unknown	26.8	20.0	ug/kg	134 *	87.2 - 122	126292717
Dibromofluoromethane (SURR)	2294551	Unknown	30.6	20.0	ug/kg	153 *	46.7 - 114	126292717
TolueneD8 (SURR)	2294551	Unknown	29.8	20.0	ug/kg	149 *	57.4 - 112	126292717

Analytical Set 1117331

EPA 8260B

BFB

Parameter	*Sample*	*RefMass*	*Reading*	*%*	*Limits%*	*File*
BFB Mass 173	1117331	174	240	1.5	0 - 2.00	126292908
BFB Mass 174	1117331	95.0	15955	60.9	50.0 - 100	126292908
BFB Mass 175	1117331	174	1245	7.8	5.00 - 9.00	126292908
BFB Mass 176	1117331	174	15708	98.5	95.0 - 101	126292908
BFB Mass 177	1117331	176	1114	7.1	5.00 - 9.00	126292908
BFB Mass 50	1117331	95.0	4560	17.4	15.0 - 40.0	126292908
BFB Mass 75	1117331	95.0	12456	47.6	30.0 - 60.0	126292908
BFB Mass 95	1117331	95.0	26184	100.0	100 - 100	126292908
BFB Mass 96	1117331	95.0	1744	6.7	5.00 - 9.00	126292908

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Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
1,1,1-Trichloroethane	1117331	ND	0.229	1.00	ug/kg	126292912
1,1-Dichloroethylene	1117331	ND	0.393	1.00	ug/kg	126292912
1,2-Dibromoethane (EDB)	1117331	ND	0.388	1.00	ug/kg	126292912
1,2-Dichloroethane	1117331	ND	1.59	2.00	ug/kg	126292912
Benzene	1117331	ND	0.187	1.00	ug/kg	126292912
Bromodichloromethane	1117331	ND	0.240	1.00	ug/kg	126292912
Bromoform	1117331	ND	0.312	1.00	ug/kg	126292912
Carbon Tetrachloride	1117331	ND	0.527	1.00	ug/kg	126292912
Chlorobenzene	1117331	ND	0.166	1.00	ug/kg	126292912
Chloroform	1117331	ND	0.209	1.00	ug/kg	126292912
cis-1,3-Dichloropropene	1117331	ND	0.430	1.00	ug/kg	126292912
Dibromochloromethane	1117331	ND	0.309	1.00	ug/kg	126292912
m-Dichlorobenzene (1,3-DCB)	1117331	ND	0.264	1.00	ug/kg	126292912
Methyl ethyl ketone (Butanone)	1117331	ND	2.52	5.00	ug/kg	126292912
o-Dichlorobenzene (1,2-DCB)	1117331	ND	0.268	1.00	ug/kg	126292912
p-Dichlorobenzene (1,4-DCB)	1117331	ND	0.165	1.00	ug/kg	126292912
Tetrachloroethylene	1117331	ND	0.265	1.00	ug/kg	126292912
trans-1,3-Dichloropropene	1117331	ND	0.181	1.00	ug/kg	126292912
Trichloroethylene	1117331	ND	0.226	1.00	ug/kg	126292912
Vinyl chloride	1117331	ND	0.834	1.00	ug/kg	126292912

CCC

Parameter	Reading	Known	Units	Recover%	Limits%	File
1,1-Dichloroethylene	20.5	20.00	ug/kg	102	80.0 - 120	126292909
1,2-Dichloropropane	17.8	20.00	ug/kg	89.0	80.0 - 120	126292909
Chloroform	18.2	20.00	ug/kg	91.0	80.0 - 120	126292909
Ethylbenzene	19.2	20.00	ug/kg	96.0	80.0 - 120	126292909
Toluene	18.7	20.00	ug/kg	93.5	80.0 - 120	126292909
Vinyl chloride	18.0	20.00	ug/kg	90.0	80.0 - 120	126292909

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
1,1,1-Trichloroethane	18.1	20.0	ug/kg	90.5	80.0 - 120	126292909
1,1-Dichloroethylene	20.5	20.0	ug/kg	102	80.0 - 120	126292909
1,2-Dibromoethane (EDB)	18.9	20.0	ug/kg	94.5	80.0 - 120	126292909
1,2-Dichloroethane	16.9	20.0	ug/kg	84.5	80.0 - 120	126292909
Benzene	19.2	20.0	ug/kg	96.0	80.0 - 120	126292909
Bromodichloromethane	16.4	20.0	ug/kg	82.0	80.0 - 120	126292909
Bromoform	17.1	20.0	ug/kg	85.5	80.0 - 120	126292909
Carbon Tetrachloride	17.5	20.0	ug/kg	87.5	80.0 - 120	126292909
Chlorobenzene	19.9	20.0	ug/kg	99.5	80.0 - 120	126292909
Chloroform	18.2	20.0	ug/kg	91.0	80.0 - 120	126292909
cis-1,3-Dichloropropene	17.3	20.0	ug/kg	86.5	80.0 - 120	126292909
Dibromochloromethane	17.4	20.0	ug/kg	87.0	80.0 - 120	126292909
m-Dichlorobenzene (1,3-DCB)	19.9	20.0	ug/kg	99.5	80.0 - 120	126292909

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Methyl ethyl ketone (Butanone)	17.8	20.0	ug/kg	89.0	80.0 - 120	126292909
o-Dichlorobenzene (1,2-DCB)	19.3	20.0	ug/kg	96.5	80.0 - 120	126292909
p-Dichlorobenzene (1,4-DCB)	18.5	20.0	ug/kg	92.5	80.0 - 120	126292909
Tetrachloroethylene	20.5	20.0	ug/kg	102	80.0 - 120	126292909
trans-1,3-Dichloropropene	16.6	20.0	ug/kg	83.0	80.0 - 120	126292909
Trichloroethylene	19.2	20.0	ug/kg	96.0	80.0 - 120	126292909
Vinyl chloride	18.0	20.0	ug/kg	90.0	80.0 - 120	126292909

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1117331	CCV	138100	138100	69070	207200	126292909	1117331
1,4-DichlorobenzeneD4 (ISTD)	1117331	LCS	133700	138100	69070	207200	126292910	1117331
1,4-DichlorobenzeneD4 (ISTD)	1117331	LCS Dup	129400	138100	69070	207200	126292911	1117331
1,4-DichlorobenzeneD4 (ISTD)	1117331	Blank	129700	138100	69070	207200	126292912	1117331
ChlorobenzeneD5 (ISTD)	1117331	CCV	274000	274000	137000	411000	126292909	1117331
ChlorobenzeneD5 (ISTD)	1117331	LCS	272000	274000	137000	411000	126292910	1117331
ChlorobenzeneD5 (ISTD)	1117331	LCS Dup	267000	274000	137000	411000	126292911	1117331
ChlorobenzeneD5 (ISTD)	1117331	Blank	271300	274000	137000	411000	126292912	1117331
1,4-DichlorobenzeneD4 (ISTD)	2292851	MS	128100	138100	69070	207200	126292915	1117331
1,4-DichlorobenzeneD4 (ISTD)	2292851	MSD	126600	138100	69070	207200	126292916	1117331
ChlorobenzeneD5 (ISTD)	2292851	MS	260500	274000	137000	411000	126292915	1117331
ChlorobenzeneD5 (ISTD)	2292851	MSD	256300	274000	137000	411000	126292916	1117331
1,4-DichlorobenzeneD4 (ISTD)	2294549	Unknown	135600	138100	69070	207200	126292913	1117331
ChlorobenzeneD5 (ISTD)	2294549	Unknown	276600	274000	137000	411000	126292913	1117331

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1117331	CCV	11.97	11.97	11.91	12.03	126292909	1117331
1,4-DichlorobenzeneD4 (ISTD)	1117331	LCS	11.97	11.97	11.91	12.03	126292910	1117331
1,4-DichlorobenzeneD4 (ISTD)	1117331	LCS Dup	11.97	11.97	11.91	12.03	126292911	1117331
1,4-DichlorobenzeneD4 (ISTD)	1117331	Blank	11.97	11.97	11.91	12.03	126292912	1117331
ChlorobenzeneD5 (ISTD)	1117331	CCV	9.597	9.597	9.537	9.657	126292909	1117331
ChlorobenzeneD5 (ISTD)	1117331	LCS	9.597	9.597	9.537	9.657	126292910	1117331
ChlorobenzeneD5 (ISTD)	1117331	LCS Dup	9.597	9.597	9.537	9.657	126292911	1117331
ChlorobenzeneD5 (ISTD)	1117331	Blank	9.597	9.597	9.537	9.657	126292912	1117331
1,4-DichlorobenzeneD4 (ISTD)	2292851	MS	11.97	11.97	11.91	12.03	126292915	1117331
1,4-DichlorobenzeneD4 (ISTD)	2292851	MSD	11.97	11.97	11.91	12.03	126292916	1117331
ChlorobenzeneD5 (ISTD)	2292851	MS	9.597	9.597	9.537	9.657	126292915	1117331
ChlorobenzeneD5 (ISTD)	2292851	MSD	9.597	9.597	9.537	9.657	126292916	1117331
1,4-DichlorobenzeneD4 (ISTD)	2294549	Unknown	11.97	11.97	11.91	12.03	126292913	1117331
ChlorobenzeneD5 (ISTD)	2294549	Unknown	9.597	9.597	9.537	9.657	126292913	1117331

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,1,1-Trichloroethane	1117331	16.7	16.1	20.0	64.9 - 134	83.5	80.5	ug/kg	3.66	30.0
1,1-Dichloroethylene	1117331	18.5	17.5	20.0	41.5 - 134	92.5	87.5	ug/kg	5.56	30.0

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,2-Dibromoethane (EDB)	1117331	17.1	17.0	20.0	66.4 - 128	85.5	85.0	ug/kg	0.587	30.0
1,2-Dichloroethane	1117331	15.0	15.0	20.0	59.7 - 140	75.0	75.0	ug/kg	0	30.0
Benzene	1117331	17.4	17.6	20.0	71.3 - 111	87.0	88.0	ug/kg	1.14	30.0
Bromodichloromethane	1117331	16.3	15.9	20.0	74.8 - 120	81.5	79.5	ug/kg	2.48	30.0
Bromoform	1117331	18.9	19.1	20.0	65.6 - 124	94.5	95.5	ug/kg	1.05	30.0
Carbon Tetrachloride	1117331	15.6	16.1	20.0	62.8 - 128	78.0	80.5	ug/kg	3.15	30.0
Chlorobenzene	1117331	18.8	18.5	20.0	69.7 - 111	94.0	92.5	ug/kg	1.61	30.0
Chloroform	1117331	17.4	17.3	20.0	76.4 - 120	87.0	86.5	ug/kg	0.576	30.0
cis-1,3-Dichloropropene	1117331	15.7	16.1	20.0	54.2 - 116	78.5	80.5	ug/kg	2.52	30.0
Dibromochloromethane	1117331	15.6	15.5	20.0	72.1 - 110	78.0	77.5	ug/kg	0.643	30.0
m-Dichlorobenzene (1,3-DCB)	1117331	20.6	20.8	20.0	65.7 - 119	103	104	ug/kg	0.966	30.0
Methyl ethyl ketone (Butanone)	1117331	16.3	16.2	20.0	28.1 - 182	81.5	81.0	ug/kg	0.615	30.0
o-Dichlorobenzene (1,2-DCB)	1117331	19.9	19.9	20.0	65.4 - 114	99.5	99.5	ug/kg	0	30.0
p-Dichlorobenzene (1,4-DCB)	1117331	18.4	18.7	20.0	65.2 - 117	92.0	93.5	ug/kg	1.62	30.0
Tetrachloroethylene	1117331	18.4	18.1	20.0	70.6 - 123	92.0	90.5	ug/kg	1.64	30.0
trans-1,3-Dichloropropene	1117331	16.7	16.4	20.0	55.5 - 125	83.5	82.0	ug/kg	1.81	30.0
Trichloroethylene	1117331	18.1	17.8	20.0	63.1 - 130	90.5	89.0	ug/kg	1.67	30.0
Vinyl chloride	1117331	13.4	13.1	20.0	0.167 - 156	67.0	65.5	ug/kg	2.26	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
1,1,1-Trichloroethane	2292851	160	157	ND	200	80.0 - 114	80.0	78.5 *	ug/kg	1.89	30.0
1,1-Dichloroethylene	2292851	174	168	ND	200	80.0 - 130	87.0	84.0	ug/kg	3.51	30.0
1,2-Dibromoethane (EDB)	2292851	159	162	ND	200	80.0 - 119	79.5 *	81.0	ug/kg	1.87	30.0
1,2-Dichloroethane	2292851	144	143	ND	200	80.0 - 110	72.0 *	71.5 *	ug/kg	0.697	30.0
Benzene	2292851	168	166	ND	200	87.0 - 111	84.0 *	83.0 *	ug/kg	1.20	30.0
Bromodichloromethane	2292851	153	153	ND	200	79.0 - 108	76.5 *	76.5 *	ug/kg	0	30.0
Bromoform	2292851	174	173	ND	200	69.0 - 127	87.0	86.5	ug/kg	0.576	30.0
Carbon Tetrachloride	2292851	150	150	ND	200	81.0 - 115	75.0 *	75.0 *	ug/kg	0	30.0
Chlorobenzene	2292851	178	178	ND	200	84.0 - 111	89.0	89.0	ug/kg	0	30.0
Chloroform	2292851	166	165	ND	200	83.0 - 118	83.0	82.5 *	ug/kg	0.604	30.0
cis-1,3-Dichloropropene	2292851	153	151	ND	200	76.0 - 107	76.5	75.5 *	ug/kg	1.32	30.0
Dibromochloromethane	2292851	143	148	ND	200	76.0 - 120	71.5 *	74.0 *	ug/kg	3.44	30.0
m-Dichlorobenzene (1,3-DCB)	2292851	197	199	ND	200	90.0 - 115	98.5	99.5	ug/kg	1.01	30.0
Methyl ethyl ketone (Butanone)	2292851	2140	1960	2110	200	66.0 - 139	15.0	-75.0 *	ug/kg	8.78	30.0
o-Dichlorobenzene (1,2-DCB)	2292851	189	189	ND	200	89.0 - 118	94.5	94.5	ug/kg	0	30.0
p-Dichlorobenzene (1,4-DCB)	2292851	175	175	ND	200	92.0 - 117	87.5 *	87.5 *	ug/kg	0	30.0
Tetrachloroethylene	2292851	176	171	ND	200	84.0 - 113	88.0	85.5	ug/kg	2.88	30.0
trans-1,3-Dichloropropene	2292851	155	157	ND	200	81.0 - 117	77.5 *	78.5 *	ug/kg	1.28	30.0
Trichloroethylene	2292851	171	173	ND	200	86.0 - 111	85.5 *	86.5	ug/kg	1.16	30.0
Vinyl chloride	2292851	126	123	ND	200	86.0 - 139	63.0 *	61.5 *	ug/kg	2.41	30.0

SPCC

Parameter	Sample	RF	Minimum	File
1,1,2,2-Tetrachloroethane	1117331	16.9	0.300	126292909

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Odessa, TX 79764

Project
1101253

Printed 05/15/2024

SPCC

Parameter	*Sample*	*RF*	*Minimum*	*File*
1,1-Dichloroethane	1117331	17.9	0.100	126292909
Bromoform	1117331	17.1	0.100	126292909
Chlorobenzene	1117331	19.9	0.300	126292909
Chloromethane (Methyl Chloride)	1117331	16.8	0.100	126292909

Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
1,2-DCA-d4 (SURR)	1117331	CCV	16.9	20.0	ug/kg	84.5	72.3 - 106	126292909
1,2-DCA-d4 (SURR)	1117331	LCS	16.8	20.0	ug/kg	84.0	72.3 - 106	126292910
1,2-DCA-d4 (SURR)	1117331	LCS Dup	16.9	20.0	ug/kg	84.5	72.3 - 106	126292911
1,2-DCA-d4 (SURR)	1117331	Blank	17.6	20.0	ug/kg	88.0	72.3 - 106	126292912
Bromofluorobenzene (SURR)	1117331	CCV	19.6	20.0	ug/kg	98.0	87.2 - 122	126292909
Bromofluorobenzene (SURR)	1117331	LCS	19.9	20.0	ug/kg	99.5	87.2 - 122	126292910
Bromofluorobenzene (SURR)	1117331	LCS Dup	19.7	20.0	ug/kg	98.5	87.2 - 122	126292911
Bromofluorobenzene (SURR)	1117331	Blank	20.3	20.0	ug/kg	102	87.2 - 122	126292912
Dibromofluoromethane (SURR)	1117331	CCV	19.1	20.0	ug/kg	95.5	46.7 - 114	126292909
Dibromofluoromethane (SURR)	1117331	LCS	19.5	20.0	ug/kg	97.5	46.7 - 114	126292910
Dibromofluoromethane (SURR)	1117331	LCS Dup	19.7	20.0	ug/kg	98.5	46.7 - 114	126292911
Dibromofluoromethane (SURR)	1117331	Blank	19.1	20.0	ug/kg	95.5	46.7 - 114	126292912
ToluneneD8 (SURR)	1117331	CCV	19.6	20.0	ug/kg	98.0	57.4 - 112	126292909
ToluneneD8 (SURR)	1117331	LCS	19.9	20.0	ug/kg	99.5	57.4 - 112	126292910
ToluneneD8 (SURR)	1117331	LCS Dup	19.5	20.0	ug/kg	97.5	57.4 - 112	126292911
ToluneneD8 (SURR)	1117331	Blank	20.0	20.0	ug/kg	100	57.4 - 112	126292912
1,2-DCA-d4 (SURR)	2292851	MS	17.1	20.0	ug/kg	85.5	72.3 - 106	126292915
1,2-DCA-d4 (SURR)	2292851	MSD	17.3	20.0	ug/kg	86.5	72.3 - 106	126292916
Bromofluorobenzene (SURR)	2292851	MS	19.8	20.0	ug/kg	99.0	87.2 - 122	126292915
Bromofluorobenzene (SURR)	2292851	MSD	19.8	20.0	ug/kg	99.0	87.2 - 122	126292916
Dibromofluoromethane (SURR)	2292851	MS	18.9	20.0	ug/kg	94.5	46.7 - 114	126292915
Dibromofluoromethane (SURR)	2292851	MSD	19.6	20.0	ug/kg	98.0	46.7 - 114	126292916
ToluneneD8 (SURR)	2292851	MS	19.9	20.0	ug/kg	99.5	57.4 - 112	126292915
ToluneneD8 (SURR)	2292851	MSD	20.3	20.0	ug/kg	102	57.4 - 112	126292916
1,2-DCA-d4 (SURR)	2294549	Unknown	1290	2000	ug/kg	64.5 *	72.3 - 106	126292913
Bromofluorobenzene (SURR)	2294549	Unknown	1260	2000	ug/kg	63.0 *	87.2 - 122	126292913
Dibromofluoromethane (SURR)	2294549	Unknown	1360	2000	ug/kg	68.0	46.7 - 114	126292913
ToluneneD8 (SURR)	2294549	Unknown	1360	2000	ug/kg	68.0	57.4 - 112	126292913

Analytical Set 1117332

EPA 8260B

BFB

Parameter	*Sample*	*RefMass*	*Reading*	*%*	*Limits%*	*File*
BFB Mass 173	1117332	174	240	1.5	0 - 2.00	126292917
BFB Mass 174	1117332	95.0	15955	60.9	50.0 - 100	126292917
BFB Mass 175	1117332	174	1245	7.8	5.00 - 9.00	126292917
BFB Mass 176	1117332	174	15708	98.5	95.0 - 101	126292917
BFB Mass 177	1117332	176	1114	7.1	5.00 - 9.00	126292917
BFB Mass 50	1117332	95.0	4560	17.4	15.0 - 40.0	126292917

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Odessa, TX 79764

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BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 75	1117332	95.0	12456	47.6	30.0 - 60.0	126292917
BFB Mass 95	1117332	95.0	26184	100.0	100 - 100	126292917
BFB Mass 96	1117332	95.0	1744	6.7	5.00 - 9.00	126292917

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
1,1,1-Trichloroethane	1117332	ND	0.229	1.00	ug/kg	126292921
1,1,2,2-Tetrachloroethane	1117332	ND	0.205	1.00	ug/kg	126292921
1,1,2-Trichloroethane	1117332	ND	0.197	1.00	ug/kg	126292921
1,1-Dichloroethane	1117332	ND	0.257	1.00	ug/kg	126292921
1,1-Dichloroethylene	1117332	ND	0.393	1.00	ug/kg	126292921
1,2-Dichloroethane	1117332	ND	1.59	2.00	ug/kg	126292921
1,2-Dichloropropane	1117332	ND	0.368	1.00	ug/kg	126292921
2-Chloroethylvinyl ether	1117332	ND	0.713	1.00	ug/kg	126292921
Benzene	1117332	ND	0.187	1.00	ug/kg	126292921
Bromodichloromethane	1117332	ND	0.240	1.00	ug/kg	126292921
Bromoform	1117332	ND	0.312	1.00	ug/kg	126292921
Bromomethane (Methyl Bromi	1117332	ND	2.22	2.50	ug/kg	126292921
Carbon Tetrachloride	1117332	ND	0.527	1.00	ug/kg	126292921
Chlorobenzene	1117332	ND	0.166	1.00	ug/kg	126292921
Chloroethane	1117332	ND	1.04	2.00	ug/kg	126292921
Chloroform	1117332	ND	0.209	1.00	ug/kg	126292921
Chloromethane (Methyl Chloride)	1117332	ND	0.154	1.00	ug/kg	126292921
cis-1,3-Dichloropropene	1117332	ND	0.430	1.00	ug/kg	126292921
Dibromochloromethane	1117332	ND	0.309	1.00	ug/kg	126292921
Dichloromethane	1117332	ND	1.01	2.00	ug/kg	126292921
Ethylbenzene	1117332	ND	0.127	1.00	ug/kg	126292921
m-Dichlorobenzene (1,3-DCB)	1117332	ND	0.264	1.00	ug/kg	126292921
o-Dichlorobenzene (1,2-DCB)	1117332	ND	0.268	1.00	ug/kg	126292921
p-Dichlorobenzene (1,4-DCB)	1117332	ND	0.165	1.00	ug/kg	126292921
Tetrachloroethylene	1117332	ND	0.265	1.00	ug/kg	126292921
Toluene	1117332	ND	0.182	1.00	ug/kg	126292921
trans-1,2-Dichloroethylene	1117332	ND	0.386	1.00	ug/kg	126292921
trans-1,3-Dichloropropene	1117332	ND	0.181	1.00	ug/kg	126292921
Trichloroethylene	1117332	ND	0.226	1.00	ug/kg	126292921
Vinyl chloride	1117332	ND	0.834	1.00	ug/kg	126292921

CCC

Parameter	Reading	Known	Units	Recover%	Limits%	File
1,1-Dichloroethylene	20.5	20.00	ug/kg	102	80.0 - 120	126292918
1,2-Dichloropropane	17.8	20.00	ug/kg	89.0	80.0 - 120	126292918
Chloroform	18.2	20.00	ug/kg	91.0	80.0 - 120	126292918
Ethylbenzene	19.2	20.00	ug/kg	96.0	80.0 - 120	126292918
Toluene	18.7	20.00	ug/kg	93.5	80.0 - 120	126292918
Vinyl chloride	18.0	20.00	ug/kg	90.0	80.0 - 120	126292918

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
1,1,1-Trichloroethane	18.1	20.0	ug/kg	90.5	80.0 - 120	126292918
1,1,2,2-Tetrachloroethane	16.9	20.0	ug/kg	84.5	80.0 - 120	126292918
1,1,2-Trichloroethane	17.5	20.0	ug/kg	87.5	80.0 - 120	126292918
1,1-Dichloroethane	17.9	20.0	ug/kg	89.5	80.0 - 120	126292918
1,1-Dichloroethylene	20.5	20.0	ug/kg	102	80.0 - 120	126292918
1,2-Dichloroethane	16.9	20.0	ug/kg	84.5	80.0 - 120	126292918
1,2-Dichloropropane	17.8	20.0	ug/kg	89.0	80.0 - 120	126292918
2-Chloroethylvinyl ether	16.9	20.0	ug/kg	84.5	80.0 - 120	126292918
Benzene	19.2	20.0	ug/kg	96.0	80.0 - 120	126292918
Bromodichloromethane	16.4	20.0	ug/kg	82.0	80.0 - 120	126292918
Bromoform	17.1	20.0	ug/kg	85.5	80.0 - 120	126292918
Bromomethane (Methyl Bromi	22.4	20.0	ug/kg	112	80.0 - 120	126292918
Carbon Tetrachloride	17.5	20.0	ug/kg	87.5	80.0 - 120	126292918
Chlorobenzene	19.9	20.0	ug/kg	99.5	80.0 - 120	126292918
Chloroethane	19.7	20.0	ug/kg	98.5	80.0 - 120	126292918
Chloroform	18.2	20.0	ug/kg	91.0	80.0 - 120	126292918
Chloromethane (Methyl Chloride)	16.8	20.0	ug/kg	84.0	80.0 - 120	126292918
cis-1,3-Dichloropropene	17.3	20.0	ug/kg	86.5	80.0 - 120	126292918
Dibromochloromethane	17.4	20.0	ug/kg	87.0	80.0 - 120	126292918
Dichloromethane	19.1	20.0	ug/kg	95.5	80.0 - 120	126292918
Ethylbenzene	19.2	20.0	ug/kg	96.0	80.0 - 120	126292918
m-Dichlorobenzene (1,3-DCB)	19.9	20.0	ug/kg	99.5	80.0 - 120	126292918
o-Dichlorobenzene (1,2-DCB)	19.3	20.0	ug/kg	96.5	80.0 - 120	126292918
p-Dichlorobenzene (1,4-DCB)	18.5	20.0	ug/kg	92.5	80.0 - 120	126292918
Tetrachloroethylene	20.5	20.0	ug/kg	102	80.0 - 120	126292918
Toluene	18.7	20.0	ug/kg	93.5	80.0 - 120	126292918
trans-1,2-Dichloroethylene	19.9	20.0	ug/kg	99.5	80.0 - 120	126292918
trans-1,3-Dichloropropene	16.6	20.0	ug/kg	83.0	80.0 - 120	126292918
Trichloroethylene	19.2	20.0	ug/kg	96.0	80.0 - 120	126292918
Vinyl chloride	18.0	20.0	ug/kg	90.0	80.0 - 120	126292918

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1117332	CCV	138100	138100	69070	207200	126292918	1117332
1,4-DichlorobenzeneD4 (ISTD)	1117332	LCS	133700	138100	69070	207200	126292919	1117332
1,4-DichlorobenzeneD4 (ISTD)	1117332	LCS Dup	129400	138100	69070	207200	126292920	1117332
1,4-DichlorobenzeneD4 (ISTD)	1117332	Blank	129700	138100	69070	207200	126292921	1117332
ChlorobenzeneD5 (ISTD)	1117332	CCV	274000	274000	137000	411000	126292918	1117332
ChlorobenzeneD5 (ISTD)	1117332	LCS	272000	274000	137000	411000	126292919	1117332
ChlorobenzeneD5 (ISTD)	1117332	LCS Dup	267000	274000	137000	411000	126292920	1117332
ChlorobenzeneD5 (ISTD)	1117332	Blank	271300	274000	137000	411000	126292921	1117332
1,4-DichlorobenzeneD4 (ISTD)	2292851	MS	128100	138100	69070	207200	126292924	1117332
1,4-DichlorobenzeneD4 (ISTD)	2292851	MSD	126600	138100	69070	207200	126292925	1117332
ChlorobenzeneD5 (ISTD)	2292851	MS	260500	274000	137000	411000	126292924	1117332
ChlorobenzeneD5 (ISTD)	2292851	MSD	256300	274000	137000	411000	126292925	1117332

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1101253

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IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	2294551	Unknown	131400	138100	69070	207200	126292922	1117332
ChlorobenzeneD5 (ISTD)	2294551	Unknown	266500	274000	137000	411000	126292922	1117332

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1117332	CCV	11.97	11.97	11.91	12.03	126292918	1117332
1,4-DichlorobenzeneD4 (ISTD)	1117332	LCS	11.97	11.97	11.91	12.03	126292919	1117332
1,4-DichlorobenzeneD4 (ISTD)	1117332	LCS Dup	11.97	11.97	11.91	12.03	126292920	1117332
1,4-DichlorobenzeneD4 (ISTD)	1117332	Blank	11.97	11.97	11.91	12.03	126292921	1117332
ChlorobenzeneD5 (ISTD)	1117332	CCV	9.597	9.597	9.537	9.657	126292918	1117332
ChlorobenzeneD5 (ISTD)	1117332	LCS	9.597	9.597	9.537	9.657	126292919	1117332
ChlorobenzeneD5 (ISTD)	1117332	LCS Dup	9.597	9.597	9.537	9.657	126292920	1117332
ChlorobenzeneD5 (ISTD)	1117332	Blank	9.597	9.597	9.537	9.657	126292921	1117332
1,4-DichlorobenzeneD4 (ISTD)	2292851	MS	11.97	11.97	11.91	12.03	126292924	1117332
1,4-DichlorobenzeneD4 (ISTD)	2292851	MSD	11.97	11.97	11.91	12.03	126292925	1117332
ChlorobenzeneD5 (ISTD)	2292851	MS	9.597	9.597	9.537	9.657	126292924	1117332
ChlorobenzeneD5 (ISTD)	2292851	MSD	9.597	9.597	9.537	9.657	126292925	1117332
1,4-DichlorobenzeneD4 (ISTD)	2294551	Unknown	11.97	11.97	11.91	12.03	126292922	1117332
ChlorobenzeneD5 (ISTD)	2294551	Unknown	9.597	9.597	9.537	9.657	126292922	1117332

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,1,1-Trichloroethane	1117332	16.7	16.1	20.0	64.9 - 134	83.5	80.5	ug/kg	3.66	30.0
1,1,2,2-Tetrachloroethane	1117332	16.9	16.7	20.0	56.1 - 148	84.5	83.5	ug/kg	1.19	30.0
1,1,2-Trichloroethane	1117332	16.1	16.0	20.0	66.5 - 134	80.5	80.0	ug/kg	0.623	30.0
1,1-Dichloroethane	1117332	17.6	17.2	20.0	55.8 - 140	88.0	86.0	ug/kg	2.30	30.0
1,1-Dichloroethylene	1117332	18.5	17.5	20.0	41.5 - 134	92.5	87.5	ug/kg	5.56	30.0
1,2-Dichloroethane	1117332	15.0	15.0	20.0	59.7 - 140	75.0	75.0	ug/kg	0	30.0
1,2-Dichloropropane	1117332	16.3	16.1	20.0	59.5 - 140	81.5	80.5	ug/kg	1.23	30.0
Benzene	1117332	17.4	17.6	20.0	71.3 - 111	87.0	88.0	ug/kg	1.14	30.0
Bromodichloromethane	1117332	16.3	15.9	20.0	74.8 - 120	81.5	79.5	ug/kg	2.48	30.0
Bromoform	1117332	18.9	19.1	20.0	65.6 - 124	94.5	95.5	ug/kg	1.05	30.0
Bromomethane (Methyl Bromi	1117332	17.0	16.7	20.0	8.98 - 188	85.0	83.5	ug/kg	1.78	30.0
Carbon Tetrachloride	1117332	15.6	16.1	20.0	62.8 - 128	78.0	80.5	ug/kg	3.15	30.0
Chlorobenzene	1117332	18.8	18.5	20.0	69.7 - 111	94.0	92.5	ug/kg	1.61	30.0
Chloroethane	1117332	16.6	16.0	20.0	39.1 - 151	83.0	80.0	ug/kg	3.68	30.0
Chloroform	1117332	17.4	17.3	20.0	76.4 - 120	87.0	86.5	ug/kg	0.576	30.0
Chloromethane (Methyl Chloride)	1117332	12.1	12.2	20.0	9.30 - 143	60.5	61.0	ug/kg	0.823	30.0
cis-1,3-Dichloropropene	1117332	15.7	16.1	20.0	54.2 - 116	78.5	80.5	ug/kg	2.52	30.0
Dibromochloromethane	1117332	15.6	15.5	20.0	72.1 - 110	78.0	77.5	ug/kg	0.643	30.0
Dichloromethane	1117332	18.0	18.2	20.0	31.7 - 167	90.0	91.0	ug/kg	1.10	30.0
Ethylbenzene	1117332	19.2	19.0	20.0	72.9 - 115	96.0	95.0	ug/kg	1.05	30.0
m-Dichlorobenzene (1,3-DCB)	1117332	20.6	20.8	20.0	65.7 - 119	103	104	ug/kg	0.966	30.0
o-Dichlorobenzene (1,2-DCB)	1117332	19.9	19.9	20.0	65.4 - 114	99.5	99.5	ug/kg	0	30.0
p-Dichlorobenzene (1,4-DCB)	1117332	18.4	18.7	20.0	65.2 - 117	92.0	93.5	ug/kg	1.62	30.0

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Tetrachloroethylene	1117332	18.4	18.1	20.0	70.6 - 123	92.0	90.5	ug/kg	1.64	30.0
Toluene	1117332	17.8	17.7	20.0	75.4 - 109	89.0	88.5	ug/kg	0.563	30.0
trans-1,2-Dichloroethylene	1117332	18.1	18.0	20.0	42.9 - 124	90.5	90.0	ug/kg	0.554	30.0
trans-1,3-Dichloropropene	1117332	16.7	16.4	20.0	55.5 - 125	83.5	82.0	ug/kg	1.81	30.0
Trichloroethylene	1117332	18.1	17.8	20.0	63.1 - 130	90.5	89.0	ug/kg	1.67	30.0
Vinyl chloride	1117332	13.4	13.1	20.0	0.167 - 156	67.0	65.5	ug/kg	2.26	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
1,1,1-Trichloroethane	2292851	160	157	ND	200	80.0 - 114	80.0	78.5 *	ug/kg	1.89	30.0
1,1,2,2-Tetrachloroethane	2292851	157	160	ND	200	76.0 - 131	78.5	80.0	ug/kg	1.89	30.0
1,1,2-Trichloroethane	2292851	152	151	ND	200	90.0 - 112	76.0 *	75.5 *	ug/kg	0.660	30.0
1,1-Dichloroethane	2292851	170	168	ND	200	80.0 - 118	85.0	84.0	ug/kg	1.18	30.0
1,1-Dichloroethylene	2292851	174	168	ND	200	80.0 - 130	87.0	84.0	ug/kg	3.51	30.0
1,2-Dichloroethane	2292851	144	143	ND	200	80.0 - 110	72.0 *	71.5 *	ug/kg	0.697	30.0
1,2-Dichloropropane	2292851	156	153	ND	200	84.0 - 112	78.0 *	76.5 *	ug/kg	1.94	30.0
Benzene	2292851	168	166	ND	200	87.0 - 111	84.0 *	83.0 *	ug/kg	1.20	30.0
Bromodichloromethane	2292851	153	153	ND	200	79.0 - 108	76.5 *	76.5 *	ug/kg	0	30.0
Bromoform	2292851	174	173	ND	200	69.0 - 127	87.0	86.5	ug/kg	0.576	30.0
Bromomethane (Methyl Bromi	2292851	156	156	ND	200	56.0 - 126	78.0	78.0	ug/kg	0	30.0
Carbon Tetrachloride	2292851	150	150	ND	200	81.0 - 115	75.0 *	75.0 *	ug/kg	0	30.0
Chlorobenzene	2292851	178	178	ND	200	84.0 - 111	89.0	89.0	ug/kg	0	30.0
Chloroethane	2292851	157	156	ND	200	71.0 - 136	78.5	78.0	ug/kg	0.639	30.0
Chloroform	2292851	166	165	ND	200	83.0 - 118	83.0	82.5 *	ug/kg	0.604	30.0
Chloromethane (Methyl Chloride)	2292851	118	116	ND	200	59.0 - 130	59.0	58.0 *	ug/kg	1.71	30.0
cis-1,3-Dichloropropene	2292851	153	151	ND	200	76.0 - 107	76.5	75.5 *	ug/kg	1.32	30.0
Dibromochloromethane	2292851	143	148	ND	200	76.0 - 120	71.5 *	74.0 *	ug/kg	3.44	30.0
Dichloromethane	2292851	172	169	ND	200	83.0 - 126	86.0	84.5	ug/kg	1.76	30.0
Ethylbenzene	2292851	182	184	ND	200	82.0 - 111	91.0	92.0	ug/kg	1.09	30.0
m-Dichlorobenzene (1,3-DCB)	2292851	197	199	ND	200	90.0 - 115	98.5	99.5	ug/kg	1.01	30.0
o-Dichlorobenzene (1,2-DCB)	2292851	189	189	ND	200	89.0 - 118	94.5	94.5	ug/kg	0	30.0
p-Dichlorobenzene (1,4-DCB)	2292851	175	175	ND	200	92.0 - 117	87.5 *	87.5 *	ug/kg	0	30.0
Tetrachloroethylene	2292851	176	171	ND	200	84.0 - 113	88.0	85.5	ug/kg	2.88	30.0
Toluene	2292851	174	170	ND	200	88.0 - 111	87.0 *	85.0 *	ug/kg	2.33	30.0
trans-1,2-Dichloroethylene	2292851	171	166	ND	200	80.0 - 130	85.5	83.0	ug/kg	2.97	30.0
trans-1,3-Dichloropropene	2292851	155	157	ND	200	81.0 - 117	77.5 *	78.5 *	ug/kg	1.28	30.0
Trichloroethylene	2292851	171	173	ND	200	86.0 - 111	85.5 *	86.5	ug/kg	1.16	30.0
Vinyl chloride	2292851	126	123	ND	200	86.0 - 139	63.0 *	61.5 *	ug/kg	2.41	30.0

SPCC

Parameter	Sample	RF	Minimum	File
1,1,2,2-Tetrachloroethane	1117332	16.9	0.300	126292918
1,1-Dichloroethane	1117332	17.9	0.100	126292918
Bromoform	1117332	17.1	0.100	126292918
Chlorobenzene	1117332	19.9	0.300	126292918

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1101253

Printed 05/15/2024

SPCC

Parameter	Sample	RF	Minimum	File
Chloromethane (Methyl Chloride)	1117332	16.8	0.100	126292918

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1117332	CCV	16.9	20.0	ug/kg	84.5	72.3 - 106	126292918
1,2-DCA-d4 (SURR)	1117332	LCS	16.8	20.0	ug/kg	84.0	72.3 - 106	126292919
1,2-DCA-d4 (SURR)	1117332	LCS Dup	16.9	20.0	ug/kg	84.5	72.3 - 106	126292920
1,2-DCA-d4 (SURR)	1117332	Blank	17.6	20.0	ug/kg	88.0	72.3 - 106	126292921
Bromofluorobenzene (SURR)	1117332	CCV	19.6	20.0	ug/kg	98.0	87.2 - 122	126292918
Bromofluorobenzene (SURR)	1117332	LCS	19.9	20.0	ug/kg	99.5	87.2 - 122	126292919
Bromofluorobenzene (SURR)	1117332	LCS Dup	19.7	20.0	ug/kg	98.5	87.2 - 122	126292920
Bromofluorobenzene (SURR)	1117332	Blank	20.3	20.0	ug/kg	102	87.2 - 122	126292921
Dibromofluoromethane (SURR)	1117332	CCV	19.1	20.0	ug/kg	95.5	46.7 - 114	126292918
Dibromofluoromethane (SURR)	1117332	LCS	19.5	20.0	ug/kg	97.5	46.7 - 114	126292919
Dibromofluoromethane (SURR)	1117332	LCS Dup	19.7	20.0	ug/kg	98.5	46.7 - 114	126292920
Dibromofluoromethane (SURR)	1117332	Blank	19.1	20.0	ug/kg	95.5	46.7 - 114	126292921
TolueneD8 (SURR)	1117332	CCV	19.6	20.0	ug/kg	98.0	57.4 - 112	126292918
TolueneD8 (SURR)	1117332	LCS	19.9	20.0	ug/kg	99.5	57.4 - 112	126292919
TolueneD8 (SURR)	1117332	LCS Dup	19.5	20.0	ug/kg	97.5	57.4 - 112	126292920
TolueneD8 (SURR)	1117332	Blank	20.0	20.0	ug/kg	100	57.4 - 112	126292921
1,2-DCA-d4 (SURR)	2292851	MS	17.1	20.0	ug/kg	85.5	72.3 - 106	126292924
1,2-DCA-d4 (SURR)	2292851	MSD	17.3	20.0	ug/kg	86.5	72.3 - 106	126292925
Bromofluorobenzene (SURR)	2292851	MS	19.8	20.0	ug/kg	99.0	87.2 - 122	126292924
Bromofluorobenzene (SURR)	2292851	MSD	19.8	20.0	ug/kg	99.0	87.2 - 122	126292925
Dibromofluoromethane (SURR)	2292851	MS	18.9	20.0	ug/kg	94.5	46.7 - 114	126292924
Dibromofluoromethane (SURR)	2292851	MSD	19.6	20.0	ug/kg	98.0	46.7 - 114	126292925
TolueneD8 (SURR)	2292851	MS	19.9	20.0	ug/kg	99.5	57.4 - 112	126292924
TolueneD8 (SURR)	2292851	MSD	20.3	20.0	ug/kg	102	57.4 - 112	126292925
1,2-DCA-d4 (SURR)	2294551	Unknown	1440	2000	ug/kg	72.0 *	72.3 - 106	126292922
Bromofluorobenzene (SURR)	2294551	Unknown	1340	2000	ug/kg	67.0 *	87.2 - 122	126292922
Dibromofluoromethane (SURR)	2294551	Unknown	1530	2000	ug/kg	76.5	46.7 - 114	126292922
TolueneD8 (SURR)	2294551	Unknown	1490	2000	ug/kg	74.5	57.4 - 112	126292922

Analytical Set 1117555 — EPA 8082

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
PCB-1016	1117457	ND	43.0	250	ug/kg	126298383
PCB-1221	1117457	ND	43.0	250	ug/kg	126298383
PCB-1232	1117457	ND	43.0	250	ug/kg	126298383
PCB-1242	1117457	ND	43.0	250	ug/kg	126298383
PCB-1248	1117457	ND	43.0	250	ug/kg	126298383
PCB-1254	1117457	ND	43.0	250	ug/kg	126298383
PCB-1260	1117457	ND	43.0	250	ug/kg	126298383

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1101253

Printed 05/15/2024

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
PCB-1016	989	1000	ug/kg	98.9	80.0 - 120	126298382
PCB-1016	1120	1000	ug/kg	112	80.0 - 120	126298390
PCB-1260	924	1000	ug/kg	92.4	80.0 - 120	126298382
PCB-1260	1010	1000	ug/kg	101	80.0 - 120	126298390

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
PCB-1016	1117457	4500	4790	5000	28.4 - 187	90.0	95.8	ug/kg	6.24	30.0
PCB-1260	1117457	4310	4600	5000	22.3 - 183	86.2	92.0	ug/kg	6.51	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
PCB-1016	2294653	4710	4810	ND	10000	0.100 - 427	47.1	48.1	ug/kg	2.10	30.0
PCB-1260	2294653	4650	4730	ND	10000	0.100 - 470	46.5	47.3	ug/kg	1.71	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	1117457	Blank	71.2	100	ug/kg	71.2	10.0 - 200	126298383
Tetrachloro-m-Xylene (Surr)	1117457	Blank	63.5	100	ug/kg	63.5	10.0 - 160	126298383
Decachlorobiphenyl	2294551	Unknown	330	495	ug/kg	66.7	10.0 - 200	126298386
Tetrachloro-m-Xylene (Surr)	2294551	Unknown	282	495	ug/kg	57.0	10.0 - 160	126298386

Analytical Set 1117801 — EPA 8270C

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
TCLP 2,4,5-Trichlorophenol	1116964	ND	0.000961	0.005	mg/L	126304805
TCLP 2,4,6-Trichlorophenol	1116964	ND	0.00124	0.002	mg/L	126304805
TCLP 2,4-Dinitrotoluene	1116964	ND	0.00135	0.002	mg/L	126304805
TCLP 2-Methylphenol (o-Cresol)	1116964	ND	0.00848	0.010	mg/L	126304805
TCLP 3&4-Methylphenol (m&p-Creso	1116964	ND	0.00778	0.008	mg/L	126304805
TCLP Hexachlorobenzene	1116964	ND	0.000871	0.001	mg/L	126304805
TCLP Hexachlorobutadiene	1116964	ND	0.00103	0.00103	mg/L	126304805
TCLP Hexachloroethane	1116964	ND	0.00105	0.002	mg/L	126304805
TCLP Nitrobenzene	1116964	ND	0.000271	0.001	mg/L	126304805
TCLP Pentachlorophenol	1116964	ND	0.00096	0.005	mg/L	126304805
TCLP Pyridine (Reg. Limit 5)	1116964	ND	0.00135	0.00135	mg/L	126304805
TCLP 2,4,5-Trichlorophenol	1117394	ND	0.000961	0.005	mg/L	126304800
TCLP 2,4,6-Trichlorophenol	1117394	ND	0.00124	0.002	mg/L	126304800
TCLP 2,4-Dinitrotoluene	1117394	ND	0.00135	0.002	mg/L	126304800
TCLP 2-Methylphenol (o-Cresol)	1117394	ND	0.00848	0.010	mg/L	126304800
TCLP 3&4-Methylphenol (m&p-Creso	1117394	ND	0.00778	0.008	mg/L	126304800
TCLP Hexachlorobenzene	1117394	ND	0.000871	0.001	mg/L	126304800
TCLP Hexachlorobutadiene	1117394	ND	0.00103	0.00103	mg/L	126304800
TCLP Hexachloroethane	1117394	ND	0.00105	0.002	mg/L	126304800
TCLP Nitrobenzene	1117394	ND	0.000271	0.001	mg/L	126304800
TCLP Pentachlorophenol	1117394	ND	0.00096	0.005	mg/L	126304800

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ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

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1101253

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
TCLP Pyridine (Reg. Limit 5)	1117394	ND	0.00135	0.00135	mg/L	126304800

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP 2,4,5-Trichlorophenol	46.1	50.0	mg/L	92.2	70.0 - 130	126304799
TCLP 2,4,6-Trichlorophenol	40.3	50.0	mg/L	80.7	70.0 - 130	126304799
TCLP 2,4-Dinitrotoluene	50.6	50.0	mg/L	101	70.0 - 130	126304799
TCLP 2-Methylphenol (o-Cresol)	42.3	50.0	mg/L	84.6	70.0 - 130	126304799
TCLP 3&4-Methylphenol (m&p-Creso	38.0	50.0	mg/L	76.1	70.0 - 130	126304799
TCLP Hexachlorobenzene	46.1	50.0	mg/L	92.2	70.0 - 130	126304799
TCLP Hexachlorobutadiene	54.7	50.0	mg/L	109	70.0 - 130	126304799
TCLP Hexachloroethane	49.5	50.0	mg/L	99.0	70.0 - 130	126304799
TCLP Nitrobenzene	39.1	50.0	mg/L	78.2	70.0 - 130	126304799
TCLP Pentachlorophenol	47.1	50.0	mg/L	94.1	70.0 - 130	126304799
TCLP Pyridine (Reg. Limit 5)	44.7	50.0	mg/L	89.4	70.0 - 130	126304799

DFTPP

Parameter		RefMass	Reading	%	Limits%	File
DFTPP Mass 127	624334	198	82952	52.3	40.0 - 60.0	126304798
DFTPP Mass 197	624334	198	0	0.0	0 - 1.00	126304798
DFTPP Mass 198	624334	198	158611	100.0	100 - 100	126304798
DFTPP Mass 199	624334	198	10604	6.7	5.00 - 9.00	126304798
DFTPP Mass 275	624334	198	44556	28.1	10.0 - 30.0	126304798
DFTPP Mass 365	624334	198	8812	5.6	1.00 - 100	126304798
DFTPP Mass 441	624334	443	18285	79.6	0 - 100	126304798
DFTPP Mass 442	624334	198	119328	75.2	40.0 - 100	126304798
DFTPP Mass 443	624334	442	22972	19.3	17.0 - 23.0	126304798
DFTPP Mass 51	624334	198	52763	33.3	30.0 - 60.0	126304798
DFTPP Mass 68	624334	69.0	0	0.0	0 - 2.00	126304798
DFTPP Mass 69	624334	198	56019	35.3	0 - 100	126304798
DFTPP Mass 70	624334	69.0	300	0.5	0 - 2.00	126304798

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-Dichlorobenzene-d4-ISTD	624030	CCV	198900	198900	99460	298400	126304799	624030
Acenaphthene-d10-ISTD	624030	CCV	410400	410400	205200	615700	126304799	624030
Naphthalene-d8-ISTD	624030	CCV	689400	689400	344700	1034000	126304799	624030
Phenanthrene-d10-ISTD	624030	CCV	655400	655400	327700	983100	126304799	624030
1,4-Dichlorobenzene-d4-ISTD	1116964	Blank	157900	198900	99460	298400	126304805	1116964
Acenaphthene-d10-ISTD	1116964	Blank	329800	410400	205200	615700	126304805	1116964
Naphthalene-d8-ISTD	1116964	Blank	581100	689400	344700	1034000	126304805	1116964
Phenanthrene-d10-ISTD	1116964	Blank	516200	655400	327700	983100	126304805	1116964
1,4-Dichlorobenzene-d4-ISTD	1117394	Blank	128400	198900	99460	298400	126304800	1117394
1,4-Dichlorobenzene-d4-ISTD	1117394	LCS	130800	198900	99460	298400	126304801	1117394
1,4-Dichlorobenzene-d4-ISTD	1117394	LCS Dup	150200	198900	99460	298400	126304802	1117394
Acenaphthene-d10-ISTD	1117394	Blank	258100	410400	205200	615700	126304800	1117394

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ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1101253

Printed 05/15/2024

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	1117394	LCS	263900	410400	205200	615700	126304801	1117394
Acenaphthene-d10-ISTD	1117394	LCS Dup	310700	410400	205200	615700	126304802	1117394
Naphthalene-d8-ISTD	1117394	Blank	464100	689400	344700	1034000	126304800	1117394
Naphthalene-d8-ISTD	1117394	LCS	470400	689400	344700	1034000	126304801	1117394
Naphthalene-d8-ISTD	1117394	LCS Dup	540000	689400	344700	1034000	126304802	1117394
Phenanthrene-d10-ISTD	1117394	Blank	354900	655400	327700	983100	126304800	1117394
Phenanthrene-d10-ISTD	1117394	LCS	386300	655400	327700	983100	126304801	1117394
Phenanthrene-d10-ISTD	1117394	LCS Dup	494700	655400	327700	983100	126304802	1117394
1,4-Dichlorobenzene-d4-ISTD	2294354	MS	194800	198900	99460	298400	126304807	1117394
Acenaphthene-d10-ISTD	2294354	MS	405400	410400	205200	615700	126304807	1117394
Naphthalene-d8-ISTD	2294354	MS	694000	689400	344700	1034000	126304807	1117394
Phenanthrene-d10-ISTD	2294354	MS	640800	655400	327700	983100	126304807	1117394
1,4-Dichlorobenzene-d4-ISTD	2294553	Unknown	142400	198900	99460	298400	126304816	1117394
Acenaphthene-d10-ISTD	2294553	Unknown	297900	410400	205200	615700	126304816	1117394
Naphthalene-d8-ISTD	2294553	Unknown	516000	689400	344700	1034000	126304816	1117394
Phenanthrene-d10-ISTD	2294553	Unknown	459200	655400	327700	983100	126304816	1117394

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High		File	PrepSet
1,4-Dichlorobenzene-d4-ISTD	624030	CCV	5.058	5.058	4.998	5.118		126304799	624030
Acenaphthene-d10-ISTD	624030	CCV	7.558	7.558	7.498	7.618		126304799	624030
Naphthalene-d8-ISTD	624030	CCV	6.096	6.096	6.036	6.156		126304799	624030
Phenanthrene-d10-ISTD	624030	CCV	8.809	8.809	8.749	8.869		126304799	624030
1,4-Dichlorobenzene-d4-ISTD	1116964	Blank	5.058	5.058	4.998	5.118		126304805	1116964
Acenaphthene-d10-ISTD	1116964	Blank	7.558	7.558	7.498	7.618		126304805	1116964
Naphthalene-d8-ISTD	1116964	Blank	6.096	6.096	6.036	6.156		126304805	1116964
Phenanthrene-d10-ISTD	1116964	Blank	8.803	8.809	8.749	8.869		126304805	1116964
1,4-Dichlorobenzene-d4-ISTD	1117394	Blank	5.058	5.058	4.998	5.118		126304800	1117394
1,4-Dichlorobenzene-d4-ISTD	1117394	LCS	5.058	5.058	4.998	5.118		126304801	1117394
1,4-Dichlorobenzene-d4-ISTD	1117394	LCS Dup	5.058	5.058	4.998	5.118		126304802	1117394
Acenaphthene-d10-ISTD	1117394	Blank	7.559	7.558	7.498	7.618		126304800	1117394
Acenaphthene-d10-ISTD	1117394	LCS	7.559	7.558	7.498	7.618		126304801	1117394
Acenaphthene-d10-ISTD	1117394	LCS Dup	7.553	7.558	7.498	7.618		126304802	1117394
Naphthalene-d8-ISTD	1117394	Blank	6.096	6.096	6.036	6.156		126304800	1117394
Naphthalene-d8-ISTD	1117394	LCS	6.096	6.096	6.036	6.156		126304801	1117394
Naphthalene-d8-ISTD	1117394	LCS Dup	6.090	6.096	6.036	6.156		126304802	1117394
Phenanthrene-d10-ISTD	1117394	Blank	8.803	8.809	8.749	8.869		126304800	1117394
Phenanthrene-d10-ISTD	1117394	LCS	8.803	8.809	8.749	8.869		126304801	1117394
Phenanthrene-d10-ISTD	1117394	LCS Dup	8.803	8.809	8.749	8.869		126304802	1117394
1,4-Dichlorobenzene-d4-ISTD	2294354	MS	5.058	5.058	4.998	5.118		126304807	1117394
Acenaphthene-d10-ISTD	2294354	MS	7.559	7.558	7.498	7.618		126304807	1117394
Naphthalene-d8-ISTD	2294354	MS	6.173	6.096	6.036	6.156	*	126304807	1117394
Phenanthrene-d10-ISTD	2294354	MS	8.809	8.809	8.749	8.869		126304807	1117394
1,4-Dichlorobenzene-d4-ISTD	2294553	Unknown	5.058	5.058	4.998	5.118		126304816	1117394
Acenaphthene-d10-ISTD	2294553	Unknown	7.559	7.558	7.498	7.618		126304816	1117394

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1101253

Printed 05/15/2024

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Naphthalene-d8-ISTD	2294553	Unknown	6.096	6.096	6.036	6.156	126304816	1117394
Phenanthrene-d10-ISTD	2294553	Unknown	8.803	8.809	8.749	8.869	126304816	1117394

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
TCLP 2,4,5-Trichlorophenol	1117394	0.0201	0.0216	0.025	39.3 - 111	80.4	86.4	mg/L	7.19	30.0
TCLP 2,4,6-Trichlorophenol	1117394	0.0173	0.0175	0.025	38.2 - 109	69.2	70.0	mg/L	1.15	30.0
TCLP 2,4-Dinitrotoluene	1117394	0.0194	0.0212	0.025	36.3 - 132	77.6	84.8	mg/L	8.87	30.0
TCLP 2-Methylphenol (o-Cresol)	1117394	0.0155	0.016	0.025	23.0 - 87.8	62.0	64.0	mg/L	3.17	30.0
TCLP 3&4-Methylphenol (m&p-Creso	1117394	0.0139	0.0148	0.025	14.9 - 92.5	55.6	59.2	mg/L	6.27	30.0
TCLP Hexachlorobenzene	1117394	0.0187	0.0182	0.025	44.4 - 117	74.8	72.8	mg/L	2.71	30.0
TCLP Hexachlorobutadiene	1117394	0.016	0.0128	0.025	17.2 - 88.9	64.0	51.2	mg/L	22.2	30.0
TCLP Hexachloroethane	1117394	0.014	0.0117	0.025	14.6 - 88.8	56.0	46.8	mg/L	17.9	30.0
TCLP Nitrobenzene	1117394	0.0161	0.0162	0.025	34.3 - 113	64.4	64.8	mg/L	0.619	30.0
TCLP Pentachlorophenol	1117394	0.0166	0.0194	0.025	15.7 - 129	66.4	77.6	mg/L	15.6	30.0
TCLP Pyridine (Reg. Limit 5)	1117394	0.00695	0.00748	0.025	0.0753 - 83.4	27.8	29.9	mg/L	7.28	30.0

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
TCLP 2,4,5-Trichlorophenol	2294354	0.229	0	ND	0.250	33.7 - 116	91.6		mg/L		30.0
TCLP 2,4,6-Trichlorophenol	2294354	0.200	0	ND	0.250	20.1 - 131	80.0		mg/L		30.0
TCLP 2,4-Dinitrotoluene	2294354	0.239	0	ND	0.250	31.8 - 135	95.6		mg/L		30.0
TCLP 2-Methylphenol (o-Cresol)	2294354	0.162	0	0.118	0.250	10.6 - 106	17.6		mg/L		30.0
TCLP 3&4-Methylphenol (m&p-Creso	2294354	91.0	0	87.2	0.250	0.100 - 149	1520 *		mg/L		30.0
TCLP Hexachlorobenzene	2294354	0.200	0	ND	0.250	35.9 - 125	80.0		mg/L		30.0
TCLP Hexachlorobutadiene	2294354	0.160	0	ND	0.250	11.1 - 88.5	64.0		mg/L		30.0
TCLP Hexachloroethane	2294354	0.0583	0	ND	0.250	8.41 - 88.1	23.3		mg/L		30.0
TCLP Pentachlorophenol	2294354	0.225	0	ND	0.250	8.33 - 141	90.0		mg/L		30.0

SPCC

Parameter	Sample	RF	Minimum	File
TCLP 2,4-Dinitrophenol	624030	42.3	0.050	126304799
TCLP 4-Nitrophenol	624030	44.8	0.050	126304799
TCLP Hexachlorocyclopentadiene	624030	37.5	0.050	126304799
TCLP N-Nitroso-n-propylamine	624030	41.5	0.050	126304799

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4,6-Tribromophenol	624030	CCV	46.1	100	mg/L	46.1	9.79 - 123	126304799
2-Fluorobiphenyl-SURR	624030	CCV	47.3	50.0	mg/L	94.6	0.100 - 131	126304799
2-Fluorophenol-SURR	624030	CCV	44.3	100	mg/L	44.3	5.36 - 80.2	126304799
4-Terphenyl-d14-SURR	624030	CCV	37.2	50.0	mg/L	74.4	0.100 - 137	126304799
Nitrobenzene-d5-SURR	624030	CCV	42.5	50.0	mg/L	85.0	0.100 - 131	126304799
Phenol-d6-SURR	624030	CCV	38.8	100	mg/L	38.8	0.100 - 66.5	126304799
2,4,6-Tribromophenol	1116964	Blank	2.45	3.33	mg/L	73.6	9.79 - 123	126304805
2-Fluorobiphenyl-SURR	1116964	Blank	33.0	50.0	mg/L	66.0	0.100 - 131	126304805

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

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1101253

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Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
2-Fluorophenol-SURR	1116964	Blank	42.2	100	mg/L	42.2	5.36 - 80.2	126304805
4-Terphenyl-d14-SURR	1116964	Blank	32.7	50.0	mg/L	65.4	0.100 - 137	126304805
Nitrobenzene-d5-SURR	1116964	Blank	30.3	50.0	mg/L	60.6	0.100 - 131	126304805
Phenol-d6-SURR	1116964	Blank	24.8	100	mg/L	24.8	0.100 - 66.5	126304805
2,4,6-Tribromophenol	1117394	Blank	2.39	3.33	mg/L	71.8	9.79 - 123	126304800
2,4,6-Tribromophenol	1117394	LCS	2.90	3.33	mg/L	87.1	9.79 - 123	126304801
2,4,6-Tribromophenol	1117394	LCS Dup	3.19	3.33	mg/L	95.8	9.79 - 123	126304802
2-Fluorobiphenyl-SURR	1117394	Blank	37.1	50.0	mg/L	74.2	0.100 - 131	126304800
2-Fluorobiphenyl-SURR	1117394	LCS	33.4	50.0	mg/L	66.8	0.100 - 131	126304801
2-Fluorobiphenyl-SURR	1117394	LCS Dup	30.7	50.0	mg/L	61.4	0.100 - 131	126304802
2-Fluorophenol-SURR	1117394	Blank	41.7	100	mg/L	41.7	5.36 - 80.2	126304800
2-Fluorophenol-SURR	1117394	LCS	55.0	100	mg/L	55.0	5.36 - 80.2	126304801
2-Fluorophenol-SURR	1117394	LCS Dup	53.7	100	mg/L	53.7	5.36 - 80.2	126304802
4-Terphenyl-d14-SURR	1117394	Blank	38.2	50.0	mg/L	76.4	0.100 - 137	126304800
4-Terphenyl-d14-SURR	1117394	LCS	28.1	50.0	mg/L	56.2	0.100 - 137	126304801
4-Terphenyl-d14-SURR	1117394	LCS Dup	28.6	50.0	mg/L	57.2	0.100 - 137	126304802
Nitrobenzene-d5-SURR	1117394	Blank	33.3	50.0	mg/L	66.6	0.100 - 131	126304800
Nitrobenzene-d5-SURR	1117394	LCS	30.4	50.0	mg/L	60.8	0.100 - 131	126304801
Nitrobenzene-d5-SURR	1117394	LCS Dup	30.0	50.0	mg/L	60.0	0.100 - 131	126304802
Phenol-d6-SURR	1117394	Blank	24.0	100	mg/L	24.0	0.100 - 66.5	126304800
Phenol-d6-SURR	1117394	LCS	31.7	100	mg/L	31.7	0.100 - 66.5	126304801
Phenol-d6-SURR	1117394	LCS Dup	31.9	100	mg/L	31.9	0.100 - 66.5	126304802
2,4,6-Tribromophenol	2294354	MS	1.09	1.00	mg/L	109	9.79 - 123	126304807
2-Fluorobiphenyl-SURR	2294354	MS	0.372	0.500	mg/L	74.4	0.100 - 131	126304807
2-Fluorophenol-SURR	2294354	MS	0.590	1.00	mg/L	59.0	5.36 - 80.2	126304807
4-Terphenyl-d14-SURR	2294354	MS	0.302	0.500	mg/L	60.4	0.100 - 137	126304807
Nitrobenzene-d5-SURR	2294354	MS	0	0.500	mg/L	0 *	0.100 - 131	126304807
Phenol-d6-SURR	2294354	MS	0.381	1.00	mg/L	38.1	0.100 - 66.5	126304807
2,4,6-Tribromophenol	2294553	Unknown	0.801	1.00	mg/L	80.1	9.79 - 123	126304816
2-Fluorobiphenyl-SURR	2294553	Unknown	0.350	0.500	mg/L	70.0	0.100 - 131	126304816
2-Fluorophenol-SURR	2294553	Unknown	0.431	1.00	mg/L	43.1	5.36 - 80.2	126304816
4-Terphenyl-d14-SURR	2294553	Unknown	0.320	0.500	mg/L	64.0	0.100 - 137	126304816
Nitrobenzene-d5-SURR	2294553	Unknown	0.330	0.500	mg/L	66.0	0.100 - 131	126304816
Phenol-d6-SURR	2294553	Unknown	0.256	1.00	mg/L	25.6	0.100 - 66.5	126304816

Analytical Set 1117958 — EPA 8260B

BFB

Parameter	*Sample*	*RefMass*	*Reading*	*%*	*Limits%*	*File*
BFB Mass 173	1117958	174	198	1.3	0 - 2.00	126309620
BFB Mass 174	1117958	95.0	15412	62.9	50.0 - 100	126309620
BFB Mass 175	1117958	174	1313	8.5	5.00 - 9.00	126309620
BFB Mass 176	1117958	174	14832	96.2	95.0 - 101	126309620
BFB Mass 177	1117958	176	915	6.2	5.00 - 9.00	126309620
BFB Mass 50	1117958	95.0	4652	19.0	15.0 - 40.0	126309620

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
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Odessa, TX 79764

Project
1101253

Printed 05/15/2024

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 75	1117958	95.0	12076	49.3	30.0 - 60.0	126309620
BFB Mass 95	1117958	95.0	24499	100.0	100 - 100	126309620
BFB Mass 96	1117958	95.0	1715	7.0	5.00 - 9.00	126309620

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
TCLP 1,1-Dichloroethene	1117958	ND	0.000574	0.001	mg/L	126309624
TCLP 1,1-Dichloroethene	1117958	ND	0.000574	0.001	mg/L	126309625
TCLP 1,2-Dichloroethane	1117958	ND	0.00059	0.001	mg/L	126309624
TCLP 1,2-Dichloroethane	1117958	ND	0.00059	0.001	mg/L	126309625
TCLP 1,4 Dichlorobenzene	1117958	ND	0.000837	0.001	mg/L	126309624
TCLP 1,4 Dichlorobenzene	1117958	ND	0.000837	0.001	mg/L	126309625
TCLP Benzene	1117958	ND	0.000453	0.001	mg/L	126309624
TCLP Benzene	1117958	ND	0.000453	0.001	mg/L	126309625
TCLP Carbon tetrachloride	1117958	ND	0.000299	0.001	mg/L	126309624
TCLP Carbon tetrachloride	1117958	ND	0.000299	0.001	mg/L	126309625
TCLP Chlorobenzene	1117958	ND	0.000558	0.001	mg/L	126309624
TCLP Chlorobenzene	1117958	ND	0.000558	0.001	mg/L	126309625
TCLP Chloroform	1117958	ND	0.000463	0.001	mg/L	126309624
TCLP Chloroform	1117958	ND	0.000463	0.001	mg/L	126309625
TCLP MEK	1117958	ND	0.000742	0.001	mg/L	126309624
TCLP MEK	1117958	ND	0.000742	0.001	mg/L	126309625
TCLP Tetrachloroethylene	1117958	ND	0.000607	0.001	mg/L	126309624
TCLP Tetrachloroethylene	1117958	ND	0.000607	0.001	mg/L	126309625
TCLP Trichloroethylene	1117958	ND	0.000521	0.001	mg/L	126309624
TCLP Trichloroethylene	1117958	ND	0.000521	0.001	mg/L	126309625
TCLP Vinyl chloride	1117958	ND	0.000702	0.001	mg/L	126309624
TCLP Vinyl chloride	1117958	ND	0.000702	0.001	mg/L	126309625

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP 1,1-Dichloroethene	0.0189	0.020	mg/L	94.5	70.0 - 130	126309621
TCLP 1,2-Dichloroethane	0.017	0.020	mg/L	85.0	70.0 - 130	126309621
TCLP 1,4 Dichlorobenzene	0.017	0.020	mg/L	85.0	70.0 - 130	126309621
TCLP Benzene	0.0188	0.020	mg/L	94.0	70.0 - 130	126309621
TCLP Carbon tetrachloride	0.0171	0.020	mg/L	85.5	70.0 - 130	126309621
TCLP Chlorobenzene	0.019	0.020	mg/L	95.0	70.0 - 130	126309621
TCLP Chloroform	0.0184	0.020	mg/L	92.0	70.0 - 130	126309621
TCLP MEK	0.0174	0.020	mg/L	87.0	70.0 - 130	126309621
TCLP Tetrachloroethylene	0.0206	0.020	mg/L	103	70.0 - 130	126309621
TCLP Trichloroethylene	0.0189	0.020	mg/L	94.5	70.0 - 130	126309621
TCLP Vinyl chloride	0.017	0.020	mg/L	85.0	70.0 - 130	126309621

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1117958	CCV	129500	129500	90660	168400	126309621	1117958

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
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Odessa, TX 79764

Project
1101253

Printed 05/15/2024

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1117958	LCS	129500	129500	90660	168400	126309622	1117958
1,4-DichlorobenzeneD4 (ISTD)	1117958	LCS Dup	129000	129500	90660	168400	126309623	1117958
1,4-DichlorobenzeneD4 (ISTD)	1117958	Blank	118300	129500	90660	168400	126309624	1117958
1,4-DichlorobenzeneD4 (ISTD)	1117958	Blank	119400	129500	90660	168400	126309625	1117958
ChlorobenzeneD5 (ISTD)	1117958	CCV	245800	245800	172100	319600	126309621	1117958
ChlorobenzeneD5 (ISTD)	1117958	LCS	253300	245800	172100	319600	126309622	1117958
ChlorobenzeneD5 (ISTD)	1117958	LCS Dup	253300	245800	172100	319600	126309623	1117958
ChlorobenzeneD5 (ISTD)	1117958	Blank	239300	245800	172100	319600	126309624	1117958
ChlorobenzeneD5 (ISTD)	1117958	Blank	233600	245800	172100	319600	126309625	1117958
1,4-DichlorobenzeneD4 (ISTD)	2294553	MS	123200	129500	90660	168400	126309629	1117380
1,4-DichlorobenzeneD4 (ISTD)	2294553	MSD	117600	129500	90660	168400	126309630	1117380
ChlorobenzeneD5 (ISTD)	2294553	MS	239500	245800	172100	319600	126309629	1117380
ChlorobenzeneD5 (ISTD)	2294553	MSD	230500	245800	172100	319600	126309630	1117380

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1117958	LCS	11.97	11.97	11.91	12.03	126309622	1117958
1,4-DichlorobenzeneD4 (ISTD)	1117958	LCS Dup	11.97	11.97	11.91	12.03	126309623	1117958
1,4-DichlorobenzeneD4 (ISTD)	1117958	Blank	11.97	11.97	11.91	12.03	126309624	1117958
1,4-DichlorobenzeneD4 (ISTD)	1117958	Blank	11.97	11.97	11.91	12.03	126309625	1117958
ChlorobenzeneD5 (ISTD)	1117958	LCS	9.597	9.597	9.537	9.657	126309622	1117958
ChlorobenzeneD5 (ISTD)	1117958	LCS Dup	9.597	9.597	9.537	9.657	126309623	1117958
ChlorobenzeneD5 (ISTD)	1117958	Blank	9.597	9.597	9.537	9.657	126309624	1117958
ChlorobenzeneD5 (ISTD)	1117958	Blank	9.597	9.597	9.537	9.657	126309625	1117958
1,4-DichlorobenzeneD4 (ISTD)	2294553	MS	11.97	11.97	11.91	12.03	126309629	1117380
1,4-DichlorobenzeneD4 (ISTD)	2294553	MSD	11.97	11.97	11.91	12.03	126309630	1117380
ChlorobenzeneD5 (ISTD)	2294553	MS	9.597	9.597	9.537	9.657	126309629	1117380
ChlorobenzeneD5 (ISTD)	2294553	MSD	9.597	9.597	9.537	9.657	126309630	1117380

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
TCLP 1,1-Dichloroethene	1117958	0.0185	0.0185	0.020	56.7 - 135	92.5	92.5	mg/L	0	30.0
TCLP 1,2-Dichloroethane	1117958	0.0168	0.0169	0.020	69.8 - 132	84.0	84.5	mg/L	0.593	30.0
TCLP 1,4 Dichlorobenzene	1117958	0.017	0.0166	0.020	74.8 - 116	85.0	83.0	mg/L	2.38	30.0
TCLP Benzene	1117958	0.0186	0.0179	0.020	67.1 - 123	93.0	89.5	mg/L	3.84	30.0
TCLP Carbon tetrachloride	1117958	0.0153	0.0152	0.020	60.1 - 132	76.5	76.0	mg/L	0.656	30.0
TCLP Chlorobenzene	1117958	0.0191	0.0183	0.020	74.0 - 115	95.5	91.5	mg/L	4.28	30.0
TCLP Chloroform	1117958	0.0167	0.0165	0.020	71.1 - 128	83.5	82.5	mg/L	1.20	30.0
TCLP MEK	1117958	0.0161	0.0169	0.020	40.7 - 166	80.5	84.5	mg/L	4.85	30.0
TCLP Tetrachloroethylene	1117958	0.0198	0.0188	0.020	71.2 - 126	99.0	94.0	mg/L	5.18	30.0
TCLP Trichloroethylene	1117958	0.0169	0.0163	0.020	71.4 - 126	84.5	81.5	mg/L	3.61	30.0
TCLP Vinyl chloride	1117958	0.0162	0.0152	0.020	18.5 - 155	81.0	76.0	mg/L	6.37	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
TCLP 1,1-Dichloroethene	2294553	0.174	0.176	0.0209	0.200	0.100 - 168	76.6	77.6	mg/L	1.30	30.0

QUALITY CONTROL

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Project
1101253

Printed 05/15/2024

MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
TCLP 1,2-Dichloroethane	2294553	0.158	0.161	0.0209	0.200	48.4 - 134	68.6	70.0	mg/L	2.16	30.0
TCLP 1,4 Dichlorobenzene	2294553	0.154	0.161	0.0209	0.200	45.4 - 121	66.6	70.0	mg/L	5.12	30.0
TCLP Benzene	2294553	0.170	0.177	0.0209	0.200	5.00 - 119	74.6	78.0	mg/L	4.59	30.0
TCLP Carbon tetrachloride	2294553	0.145	0.146	0.0209	0.200	0.100 - 164	62.0	62.6	mg/L	0.803	30.0
TCLP Chlorobenzene	2294553	0.176	0.178	0.0209	0.200	32.5 - 130	77.6	78.6	mg/L	1.28	30.0
TCLP Chloroform	2294553	0.157	0.158	0.0209	0.200	22.1 - 141	68.0	68.6	mg/L	0.732	30.0
TCLP MEK	2294553	0.198	0.200	0.0209	0.200	9.88 - 197	88.6	89.6	mg/L	1.12	30.0
TCLP Tetrachloroethylene	2294553	0.182	0.182	0.0209	0.200	0.100 - 157	80.6	80.6	mg/L	0	30.0
TCLP Trichloroethylene	2294553	0.156	0.162	0.0209	0.200	0.100 - 161	67.6	70.6	mg/L	4.34	30.0
TCLP Vinyl chloride	2294553	0.146	0.143	0.0209	0.200	0.100 - 197	62.6	61.0	mg/L	2.43	30.0

Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
1,2-DCA-d4 (SURR)	1117958	CCV	0.0168	0.020	mg/L	84.0	74.2 - 132	126309621
1,2-DCA-d4 (SURR)	1117958	LCS	0.0173	0.020	mg/L	86.5	74.2 - 132	126309622
1,2-DCA-d4 (SURR)	1117958	LCS Dup	0.0175	0.020	mg/L	87.5	74.2 - 132	126309623
1,2-DCA-d4 (SURR)	1117958	Blank	0.0172	0.020	mg/L	86.0	74.2 - 132	126309624
1,2-DCA-d4 (SURR)	1117958	Blank	0.018	0.020	mg/L	90.0	74.2 - 132	126309625
Bromofluorobenzene (SURR)	1117958	CCV	0.0192	0.020	mg/L	96.0	77.2 - 134	126309621
Bromofluorobenzene (SURR)	1117958	LCS	0.0193	0.020	mg/L	96.5	77.2 - 134	126309622
Bromofluorobenzene (SURR)	1117958	LCS Dup	0.0196	0.020	mg/L	98.0	77.2 - 134	126309623
Bromofluorobenzene (SURR)	1117958	Blank	0.0194	0.020	mg/L	97.0	77.2 - 134	126309624
Bromofluorobenzene (SURR)	1117958	Blank	0.0189	0.020	mg/L	94.5	77.2 - 134	126309625
Dibromofluoromethane (SURR)	1117958	CCV	0.0186	0.020	mg/L	93.0	67.2 - 122	126309621
Dibromofluoromethane (SURR)	1117958	LCS	0.0189	0.020	mg/L	94.5	67.2 - 122	126309622
Dibromofluoromethane (SURR)	1117958	LCS Dup	0.0186	0.020	mg/L	93.0	67.2 - 122	126309623
Dibromofluoromethane (SURR)	1117958	Blank	0.0184	0.020	mg/L	92.0	67.2 - 122	126309624
Dibromofluoromethane (SURR)	1117958	Blank	0.0191	0.020	mg/L	95.5	67.2 - 122	126309625
ToluneneD8 (SURR)	1117958	CCV	0.019	0.020	mg/L	95.0	69.2 - 122	126309621
ToluneneD8 (SURR)	1117958	LCS	0.0192	0.020	mg/L	96.0	69.2 - 122	126309622
ToluneneD8 (SURR)	1117958	LCS Dup	0.0194	0.020	mg/L	97.0	69.2 - 122	126309623
ToluneneD8 (SURR)	1117958	Blank	0.0191	0.020	mg/L	95.5	69.2 - 122	126309624
ToluneneD8 (SURR)	1117958	Blank	0.0193	0.020	mg/L	96.5	69.2 - 122	126309625
1,2-DCA-d4 (SURR)	2294553	Unknown	0.017	0.020	mg/L	85.0	74.2 - 132	126309626
1,2-DCA-d4 (SURR)	2294553	MS	0.0176	0.020	mg/L	88.0	74.2 - 132	126309629
1,2-DCA-d4 (SURR)	2294553	MSD	0.0174	0.020	mg/L	87.0	74.2 - 132	126309630
Bromofluorobenzene (SURR)	2294553	Unknown	0.0188	0.020	mg/L	94.0	77.2 - 134	126309626
Bromofluorobenzene (SURR)	2294553	MS	0.0192	0.020	mg/L	96.0	77.2 - 134	126309629
Bromofluorobenzene (SURR)	2294553	MSD	0.020	0.020	mg/L	100	77.2 - 134	126309630
Dibromofluoromethane (SURR)	2294553	Unknown	0.0182	0.020	mg/L	91.0	67.2 - 122	126309626
Dibromofluoromethane (SURR)	2294553	MS	0.0188	0.020	mg/L	94.0	67.2 - 122	126309629
Dibromofluoromethane (SURR)	2294553	MSD	0.0189	0.020	mg/L	94.5	67.2 - 122	126309630
ToluneneD8 (SURR)	2294553	Unknown	0.0186	0.020	mg/L	93.0	69.2 - 122	126309626
ToluneneD8 (SURR)	2294553	MS	0.0192	0.020	mg/L	96.0	69.2 - 122	126309629
ToluneneD8 (SURR)	2294553	MSD	0.0195	0.020	mg/L	97.5	69.2 - 122	126309630

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Analytical Set 1118013 — EPA 8151

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
TCLP 2,4 D	1116964	ND	0.000159	0.0005	mg/L	126310607
TCLP 2,4,5-TP (Silvex)	1116964	ND	0.000089:	0.0003	mg/L	126310607
TCLP 2,4 D	1117663	ND	0.000159	0.0005	mg/L	126310594
TCLP 2,4,5-TP (Silvex)	1117663	ND	0.000089:	0.0003	mg/L	126310594

CCV

Parameter	Reading	Known	Units	Recover%	Limits%		File
TCLP 2,4 D	0.147	0.150	mg/L	98.3	70.0 - 130		126310593
TCLP 2,4 D	0.172	0.150	mg/L	114	70.0 - 130		126310611
TCLP 2,4 D	0.191	0.150	mg/L	127	70.0 - 130		126310613
TCLP 2,4,5-TP (Silvex)	0.141	0.150	mg/L	93.9	70.0 - 130		126310593
TCLP 2,4,5-TP (Silvex)	0.190	0.150	mg/L	127	70.0 - 130		126310611
TCLP 2,4,5-TP (Silvex)	0.203	0.150	mg/L	135	70.0 - 130	*	126310613

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
TCLP 2,4 D	1117663	0.000609	0.000902	0.001	2.06 - 194	60.9	90.2	mg/L	38.8 *	30.0
TCLP 2,4,5-TP (Silvex)	1117663	0.000503	0.000717	0.001	19.3 - 162	50.3	71.7	mg/L	35.1 *	30.0

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
TCLP 2,4 D	2293073	0.843	0	ND	1.00	0.100 - 228	84.3		mg/L		30.0
TCLP 2,4,5-TP (Silvex)	2293073	0.651	0	0.00654	1.00	2.02 - 165	64.4		mg/L		30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4-Dichlorophenylacetic Acid		CCV	0.141	0.200	mg/L	70.5	0.100 - 294	126310593
2,4-Dichlorophenylacetic Acid		CCV	0.170	0.200	mg/L	85.0	0.100 - 294	126310611
2,4-Dichlorophenylacetic Acid		CCV	0.194	0.200	mg/L	97.0	0.100 - 294	126310613
2,4-Dichlorophenylacetic Acid	1116964	Blank	0.0917	0.200	mg/L	45.8	0.100 - 294	126310607
2,4-Dichlorophenylacetic Acid	1117663	Blank	0.0773	0.200	mg/L	38.6	0.100 - 294	126310594
2,4-Dichlorophenylacetic Acid	1117663	LCS	0.0543	0.200	mg/L	27.2	0.100 - 294	126310595
2,4-Dichlorophenylacetic Acid	1117663	LCS Dup	0.0884	0.200	mg/L	44.2	0.100 - 294	126310596
2,4-Dichlorophenylacetic Acid	2293073	MS	0.770	2.00	mg/L	38.5	0.100 - 294	126310599
2,4-Dichlorophenylacetic Acid	2294553	Unknown	1.08	2.00	mg/L	54.0	0.100 - 294	126310608

Analytical Set 1118240 — EPA 8270C

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
4,4-DDD	1116964	ND	0.731	1.00	ug/L	126316059
4,4-DDE	1116964	ND	0.361	1.00	ug/L	126316059
4,4-DDT	1116964	ND	0.862	1.00	ug/L	126316059
Aldrin	1116964	ND	0.260	1.00	ug/L	126316059
Alpha-BHC(hexachlorocyclohexane)	1116964	ND	0.280	1.00	ug/L	126316059

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Parameter	PrepSet	Reading	MDL	MQL	Units		File
Beta-BHC(hexachlorocyclohexane)	1116964	ND	0.579	1.00	ug/L		126316059
Delta-BHC(hexachlorocyclohexane)	1116964	ND	0.898	1.00	ug/L		126316059
Dieldrin	1116964	ND	0.162	1.00	ug/L		126316059
Endosulfan I (alpha)	1116964	0.956	0.679	1.00	ug/L		126316059
Endosulfan II (beta)	1116964	1.38	0.356	1.00	ug/L	*	126316059
Endosulfan sulfate	1116964	ND	0.588	1.00	ug/L		126316059
Endrin	1116964	ND	0.538	1.00	ug/L		126316059
Endrin aldehyde	1116964	ND	0.699	1.00	ug/L		126316059
Gamma-BHC(Lindane)	1116964	ND	0.385	1.00	ug/L		126316059
Heptachlor	1116964	ND	0.207	1.00	ug/L		126316059
Heptachlor epoxide	1116964	ND	0.660	1.00	ug/L		126316059
Kelthane (Dicofol)	1116964	ND	0.0208	0.100	ug/L		126316059
Methoxychlor	1116964	ND	0.898	1.00	ug/L		126316059
Mirex	1116964	ND	0.00889	0.015	ug/L		126316059
Toxaphene	1116964	ND	0.169	0.200	ug/L		126316059

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
4,4-DDD	2295206	5.38	0	ND	5.00	31.0 - 141	108		ug/L		39.0
4,4-DDE	2295206	3.70	0	ND	5.00	30.0 - 145	74.0		ug/L		35.0
4,4-DDT	2295206	5.25	0	ND	5.00	25.0 - 160	105		ug/L		42.0
Aldrin	2295206	3.82	0	ND	5.00	42.0 - 140	76.4		ug/L		35.0
Alpha-BHC(hexachlorocyclohexane)	2295206	4.45	0	ND	5.00	37.0 - 140	89.0		ug/L		36.0
Beta-BHC(hexachlorocyclohexane)	2295206	6.03	0	ND	5.00	17.0 - 147	121		ug/L		44.0
Delta-BHC(hexachlorocyclohexane)	2295206	4.75	0	ND	5.00	19.0 - 140	95.0		ug/L		52.0
Dieldrin	2295206	4.92	0	ND	5.00	36.0 - 146	98.4		ug/L		49.0
Endosulfan I (alpha)	2295206	4.45	0	ND	5.00	45.0 - 153	89.0		ug/L		28.0
Endosulfan II (beta)	2295206	4.43	0	ND	5.00	0.100 - 202	88.6		ug/L		53.0
Endosulfan sulfate	2295206	4.66	0	ND	5.00	26.0 - 144	93.2		ug/L		38.0
Endrin	2295206	5.54	0	ND	5.00	30.0 - 147	111		ug/L		48.0
Endrin aldehyde	2295206	5.63	0	ND	5.00	37.6 - 158	113		ug/L		30.0
Gamma-BHC(Lindane)	2295206	4.11	0	ND	5.00	32.0 - 140	82.2		ug/L		39.0
Heptachlor	2295206	3.70	0	ND	5.00	34.0 - 140	74.0		ug/L		43.0
Heptachlor epoxide	2295206	4.54	0	ND	5.00	37.0 - 142	90.8		ug/L		26.0
Kelthane (Dicofol)	2295206	14.9	0	ND	5.00	70.0 - 130	298 *		ug/L		30.0
Methoxychlor	2295206	4.68	0	ND	5.00	33.1 - 137	93.6		ug/L		30.0
Mirex	2295206	6.94	0	ND	5.00	70.0 - 130	139 *		ug/L		30.0

Analytical Set 1118249 — EPA 8151A

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
2,4 Dichlorophenoxyacetic acid	1117669	ND	46.9	250	ug/kg	126315864
2,4,5-TP (Silvex)	1117669	ND	14.9	250	ug/kg	126315864

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Parameter	Reading	Known	Units	Recover%	Limits%		File
2,4 Dichlorophenoxyacetic acid	155	150	ug/kg	103	80.0 - 120		126315863
2,4 Dichlorophenoxyacetic acid	118	150	ug/kg	78.7	80.0 - 120	*	126315870
2,4,5-TP (Silvex)	165	150	ug/kg	110	80.0 - 120		126315863
2,4,5-TP (Silvex)	113	150	ug/kg	75.3	80.0 - 120	*	126315870

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
2,4 Dichlorophenoxyacetic acid	1117669	2100	2350	500	0.100 - 198	420 *	470 *	ug/kg	11.2	30.0
2,4,5-TP (Silvex)	1117669	122	131	500	0.100 - 194	24.4	26.2	ug/kg	7.11	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
2,4 Dichlorophenoxyacetic acid	2294549	664	1300	ND	100	10.0 - 212	664 *	1300 *	ug/kg	64.8 *	30.0
2,4,5-TP (Silvex)	2294549	63.5	114	ND	100	10.0 - 200	63.5	114	ug/kg	56.9 *	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4-Dichlorophenylacetic Acid	1117669	Blank	35.5	100	ug/kg	35.5	20.0 - 160	126315864
2,4-Dichlorophenylacetic Acid	1117669	LCS	0	100	ug/kg	0 *	20.0 - 160	126315865
2,4-Dichlorophenylacetic Acid	1117669	LCS Dup	0	100	ug/kg	0 *	20.0 - 160	126315866
2,4-Dichlorophenylacetic Acid	2294549	Unknown	76.7	498	ug/kg	15.4 *	20.0 - 160	126315867
2,4-Dichlorophenylacetic Acid	2294549	MS	0	503	ug/kg	0 *	20.0 - 160	126315868
2,4-Dichlorophenylacetic Acid	2294549	MSD	4.58	495	ug/kg	0.925 *	20.0 - 160	126315869

Analytical Set 1118254 — EPA 8321B

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Hexachlorophene	1118026	ND	0.890	1.25	ug/kg	126315923

CCV

Parameter	Reading	Known	Units	Recover%	Limits%		File
Hexachlorophene	5060	5000	ug/kg	101	70.0 - 130		126315922
Hexachlorophene	5250	5000	ug/kg	105	70.0 - 130		126315929

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Hexachlorophene	1118026	40.0	43.5	50.0	25.5 - 145	80.0	87.0	ug/kg	8.38	50.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Hexachlorophene	2294549	1460	1360	11.2	1670	70.0 - 130	86.8	80.8	ug/kg	7.15	30.0

Analytical Set 1118270 — EPA 8081A

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
TCLP Chlordane	1116964	ND	0.0183	0.020	mg/L	126316127
TCLP Endrin	1116964	ND	0.000538	0.001	mg/L	126316127

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
TCLP gamma-BHC (Lindane)	1116964	ND	0.000385	0.001	mg/L	126316127
TCLP Heptachlor	1116964	ND	0.000207	0.001	mg/L	126316127
TCLP Heptachlor Epoxide	1116964	ND	0.00066	0.001	mg/L	126316127
TCLP Methoxychlor	1116964	ND	0.000898	0.001	mg/L	126316127
TCLP Toxaphene	1116964	ND	0.000169	0.0002	mg/L	126316127
TCLP Chlordane	1117860	ND	0.0183	0.020	mg/L	126316121
TCLP Endrin	1117860	ND	0.000538	0.001	mg/L	126316121
TCLP gamma-BHC (Lindane)	1117860	0.000517	0.000385	0.001	mg/L	126316121
TCLP Heptachlor	1117860	ND	0.000207	0.001	mg/L	126316121
TCLP Heptachlor Epoxide	1117860	ND	0.00066	0.001	mg/L	126316121
TCLP Methoxychlor	1117860	ND	0.000898	0.001	mg/L	126316121
TCLP Toxaphene	1117860	ND	0.000169	0.0002	mg/L	126316121

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP Endrin	0.0474	0.050	mg/L	94.9	70.0 - 130	126316120
TCLP Endrin	0.0562	0.050	mg/L	112	70.0 - 130	126316133
TCLP gamma-BHC (Lindane)	0.0442	0.050	mg/L	88.3	70.0 - 130	126316120
TCLP gamma-BHC (Lindane)	0.0478	0.050	mg/L	95.7	70.0 - 130	126316133
TCLP Heptachlor	0.0424	0.050	mg/L	84.7	70.0 - 130	126316120
TCLP Heptachlor	0.0424	0.050	mg/L	84.8	70.0 - 130	126316133
TCLP Heptachlor Epoxide	0.0444	0.050	mg/L	88.7	70.0 - 130	126316120
TCLP Heptachlor Epoxide	0.0514	0.050	mg/L	103	70.0 - 130	126316133
TCLP Methoxychlor	0.0441	0.050	mg/L	88.1	70.0 - 130	126316120
TCLP Methoxychlor	0.0501	0.050	mg/L	100	70.0 - 130	126316133

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
TCLP Endrin	1117860	0.0402	0.0453	0.050	42.6 - 137	80.4	90.6	mg/L	11.9	30.0
TCLP gamma-BHC (Lindane)	1117860	0.0338	0.0389	0.050	33.0 - 129	67.6	77.8	mg/L	14.0	30.0
TCLP Heptachlor	1117860	0.0312	0.0345	0.050	24.2 - 129	62.4	69.0	mg/L	10.0	30.0
TCLP Heptachlor Epoxide	1117860	0.0358	0.0422	0.050	40.8 - 128	71.6	84.4	mg/L	16.4	30.0
TCLP Methoxychlor	1117860	0.0352	0.0383	0.050	33.3 - 146	70.4	76.6	mg/L	8.44	30.0

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
TCLP Endrin	2295206	0.00554	0	ND	0.005	24.3 - 151	111		mg/L		30.0
TCLP gamma-BHC (Lindane)	2295206	0.00411	0	ND	0.005	21.3 - 144	82.2		mg/L		30.0
TCLP Heptachlor	2295206	0.0037	0	ND	0.005	14.9 - 138	74.0		mg/L		30.0
TCLP Heptachlor Epoxide	2295206	0.00454	0	ND	0.005	29.9 - 133	90.8		mg/L		30.0
TCLP Methoxychlor	2295206	0.00468	0	ND	0.005	10.3 - 183	93.6		mg/L		30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	624136	CCV	0.0446	0.100	mg/L	44.6	10.0 - 150	126316120
Decachlorobiphenyl	624136	CCV	0.0501	0.100	mg/L	50.1	10.0 - 150	126316133

QUALITY CONTROL

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817 West 42nd St.
Odessa, TX 79764

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Printed 05/15/2024

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Tetrachloro-m-Xylene (Surr)	624136	CCV	0.0459	0.100	mg/L	45.9	10.0 - 150	126316120
Tetrachloro-m-Xylene (Surr)	624136	CCV	0.0441	0.100	mg/L	44.1	10.0 - 150	126316133
Decachlorobiphenyl	1116964	Blank	0.113	0.100	mg/L	113	10.0 - 150	126316127
Tetrachloro-m-Xylene (Surr)	1116964	Blank	0.0626	0.100	mg/L	62.6	10.0 - 150	126316127
Decachlorobiphenyl	1117860	Blank	0.0662	0.100	mg/L	66.2	10.0 - 150	126316121
Decachlorobiphenyl	1117860	LCS	0.0752	0.100	mg/L	75.2	10.0 - 150	126316122
Decachlorobiphenyl	1117860	LCS Dup	0.0656	0.100	mg/L	65.6	10.0 - 150	126316123
Tetrachloro-m-Xylene (Surr)	1117860	Blank	0.0346	0.100	mg/L	34.6	10.0 - 150	126316121
Tetrachloro-m-Xylene (Surr)	1117860	LCS	0.0373	0.100	mg/L	37.3	10.0 - 150	126316122
Tetrachloro-m-Xylene (Surr)	1117860	LCS Dup	0.0478	0.100	mg/L	47.8	10.0 - 150	126316123
Decachlorobiphenyl	2294553	Unknown	0.00344	0.005	mg/L	68.8	10.0 - 150	126316128
Tetrachloro-m-Xylene (Surr)	2294553	Unknown	0.00236	0.005	mg/L	47.2	10.0 - 150	126316128
Decachlorobiphenyl	2295206	MS	0.00731	0.005	mg/L	146	10.0 - 150	126316132
Tetrachloro-m-Xylene (Surr)	2295206	MS	0.00406	0.005	mg/L	81.2	10.0 - 150	126316132

Analytical Set 1118382 — EPA 8321B

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Carbaryl (Sevin)	1117677	ND	66.1	2500	ug/kg	126318035
Diuron	1117677	ND	44.4	45.0	ug/kg	126318035

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Carbaryl (Sevin)	1020	1000	ug/kg	102	70.0 - 130	126318034
Carbaryl (Sevin)	1030	1000	ug/kg	103	70.0 - 130	126318038
Carbaryl (Sevin)	996	1000	ug/kg	99.6	70.0 - 130	126318042
Diuron	1080	1000	ug/kg	108	70.0 - 130	126318034
Diuron	1090	1000	ug/kg	109	70.0 - 130	126318038
Diuron	1060	1000	ug/kg	106	70.0 - 130	126318042

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Carbaryl (Sevin)	1117677	529	768	1000	17.1 - 131	52.9	76.8	ug/kg	36.9 *	30.0
Diuron	1117677	413	617	1000	0.100 - 138	41.3	61.7	ug/kg	39.6 *	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Carbaryl (Sevin)	2294549	80.0	85.3	ND	1000	0.100 - 215	8.00	8.53	ug/kg	6.41	30.0
Diuron	2294549	27.6	39.9	45.5	1000	0.100 - 148	-1.79	-0.560 *	ug/kg	36.4	50.0

Analytical Set 1118504 — EPA 8081A

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Kelthane (Dicofol)	1118065	ND	2.69	2.69	ug/kg	126319604
Methoxychlor	1118065	ND	0.640	0.832	ug/kg	126319604

QUALITY CONTROL

ODES-W

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817 West 42nd St.
Odessa, TX 79764

Project
1101253

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Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mirex	1118065	ND	0.702	0.832	ug/kg	126319604
Toxaphene	1118065	ND	0.505	0.832	ug/kg	126319604

CCV

Parameter	Reading	Known	Units	Recover%	Limits%		File
Kelthane (Dicofol)	98.5	100	ug/kg	98.5	85.0 - 120		126319603
Kelthane (Dicofol)	1060	100	ug/kg	1060	85.0 - 120	*	126319611
Methoxychlor	52.4	50.0	ug/kg	105	85.0 - 120		126319603
Methoxychlor	15.1	50.0	ug/kg	30.2	85.0 - 120	*	126319611
Mirex	51.1	50.0	ug/kg	102	85.0 - 120		126319603
Mirex	68.0	50.0	ug/kg	136	85.0 - 120	*	126319611

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Kelthane (Dicofol)	1118065	39.0	36.0	33.3	70.0 - 130	117	108	ug/kg	8.00	40.0
Methoxychlor	1118065	17.3	15.5	16.6	21.8 - 181	104	93.1	ug/kg	11.1	40.0
Mirex	1118065	23.2	23.0	16.6	21.0 - 131	139 *	138 *	ug/kg	0.722	40.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Kelthane (Dicofol)	2294551	35.9	21.9	13.2	33.4	70.0 - 130	68.2 *	26.1 *	ug/kg	89.2 *	30.0
Methoxychlor	2294551	28.4	17.8	12.9	33.4	0.100 - 184	46.5	14.7	ug/kg	104 *	30.0
Mirex	2294551	42.2	45.2	ND	33.4	70.0 - 130	127	136 *	ug/kg	6.86	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	624136	CCV	47.7	100	ug/kg	47.7	10.0 - 150	126319603
Decachlorobiphenyl	624136	CCV	63.2	100	ug/kg	63.2	10.0 - 150	126319611
Tetrachloro-m-Xylene (Surr)	624136	CCV	45.5	100	ug/kg	45.5	10.0 - 150	126319603
Tetrachloro-m-Xylene (Surr)	624136	CCV	44.1	100	ug/kg	44.1	10.0 - 150	126319611
Decachlorobiphenyl	1118065	Blank	133	100	ug/kg	133	10.0 - 150	126319604
Decachlorobiphenyl	1118065	LCS	102	100	ug/kg	102	10.0 - 150	126319605
Decachlorobiphenyl	1118065	LCS Dup	105	100	ug/kg	105	10.0 - 150	126319606
Tetrachloro-m-Xylene (Surr)	1118065	Blank	28.2	100	ug/kg	28.2	10.0 - 150	126319604
Tetrachloro-m-Xylene (Surr)	1118065	LCS	20.6	100	ug/kg	20.6	10.0 - 150	126319605
Tetrachloro-m-Xylene (Surr)	1118065	LCS Dup	25.7	100	ug/kg	25.7	10.0 - 150	126319606
Decachlorobiphenyl	2294549	Unknown	52.3	33.3	ug/kg	157 *	10.0 - 150	126319607
Tetrachloro-m-Xylene (Surr)	2294549	Unknown	23.9	33.3	ug/kg	71.8	10.0 - 150	126319607
Decachlorobiphenyl	2294551	MS	36.7	33.3	ug/kg	110	10.0 - 150	126319609
Decachlorobiphenyl	2294551	MSD	32.0	33.4	ug/kg	95.8	10.0 - 150	126319610
Tetrachloro-m-Xylene (Surr)	2294551	MS	12.8	33.3	ug/kg	38.4	10.0 - 150	126319609
Tetrachloro-m-Xylene (Surr)	2294551	MSD	16.6	33.4	ug/kg	49.7	10.0 - 150	126319610

Analytical Set 1118505 — EPA 8081A

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
4,4-DDD	1118065	ND	0.238	0.832	ug/kg	126319613
4,4-DDE	1118065	ND	0.265	0.832	ug/kg	126319613
4,4-DDT	1118065	ND	0.323	0.832	ug/kg	126319613
Aldrin	1118065	ND	0.381	0.832	ug/kg	126319613
Alpha-BHC(hexachlorocyclohexane)	1118065	ND	0.370	0.832	ug/kg	126319613
Beta-BHC(hexachlorocyclohexane)	1118065	ND	0.375	0.832	ug/kg	126319613
Chlordane	1118065	ND	5.00	5.00	ug/kg	126319613
Delta-BHC(hexachlorocyclohexane)	1118065	ND	0.222	0.832	ug/kg	126319613
Dieldrin	1118065	ND	0.297	0.832	ug/kg	126319613
Endosulfan I (alpha)	1118065	ND	0.221	0.832	ug/kg	126319613
Endosulfan II (beta)	1118065	ND	0.515	2.50	ug/kg	126319613
Endosulfan sulfate	1118065	ND	0.281	0.832	ug/kg	126319613
Endrin	1118065	ND	0.200	0.832	ug/kg	126319613
Endrin aldehyde	1118065	ND	0.325	0.832	ug/kg	126319613
Gamma-BHC(Lindane)	1118065	ND	0.298	0.832	ug/kg	126319613
Heptachlor	1118065	ND	0.254	0.832	ug/kg	126319613
Heptachlor epoxide	1118065	ND	0.318	0.832	ug/kg	126319613
Toxaphene	1118065	ND	0.505	0.832	ug/kg	126319613

CCV

Parameter	Reading	Known	Units	Recover%	Limits%		File
4,4-DDD	51.9	50.0	ug/kg	104	85.0 - 120		126319612
4,4-DDD	89.7	50.0	ug/kg	179	85.0 - 120	*	126319619
4,4-DDE	49.1	50.0	ug/kg	98.2	85.0 - 120		126319612
4,4-DDE	51.1	50.0	ug/kg	102	85.0 - 120		126319619
4,4-DDT	53.1	50.0	ug/kg	106	85.0 - 120		126319612
4,4-DDT	14.0	50.0	ug/kg	28.0	85.0 - 120	*	126319619
Aldrin	47.6	50.0	ug/kg	95.2	85.0 - 120		126319612
Aldrin	50.7	50.0	ug/kg	101	85.0 - 120		126319619
Alpha-BHC(hexachlorocyclohexane)	47.6	50.0	ug/kg	95.2	85.0 - 120		126319612
Alpha-BHC(hexachlorocyclohexane)	50.8	50.0	ug/kg	102	85.0 - 120		126319619
Beta-BHC(hexachlorocyclohexane)	46.5	50.0	ug/kg	93.0	85.0 - 120		126319612
Beta-BHC(hexachlorocyclohexane)	45.8	50.0	ug/kg	91.6	85.0 - 120		126319619
Delta-BHC(hexachlorocyclohexane)	49.2	50.0	ug/kg	98.4	85.0 - 120		126319612
Delta-BHC(hexachlorocyclohexane)	51.7	50.0	ug/kg	103	85.0 - 120		126319619
Dieldrin	49.2	50.0	ug/kg	98.4	85.0 - 120		126319612
Dieldrin	53.2	50.0	ug/kg	106	85.0 - 120		126319619
Endosulfan I (alpha)	48.0	50.0	ug/kg	96.0	85.0 - 120		126319612
Endosulfan I (alpha)	51.1	50.0	ug/kg	102	85.0 - 120		126319619
Endosulfan II (beta)	49.1	50.0	ug/kg	98.2	85.0 - 120		126319612
Endosulfan II (beta)	57.5	50.0	ug/kg	115	85.0 - 120		126319619
Endosulfan sulfate	47.4	50.0	ug/kg	94.8	85.0 - 120		126319612
Endosulfan sulfate	87.2	50.0	ug/kg	174	85.0 - 120	*	126319619
Endrin	49.6	50.0	ug/kg	99.2	85.0 - 120		126319612
Endrin	53.3	50.0	ug/kg	107	85.0 - 120		126319619

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Parameter	Reading	Known	Units	Recover%	Limits%		File
Endrin aldehyde	50.2	50.0	ug/kg	100	85.0 - 120		126319612
Endrin aldehyde	60.0	50.0	ug/kg	120	85.0 - 120		126319619
Gamma-BHC(Lindane)	47.7	50.0	ug/kg	95.4	85.0 - 120		126319612
Gamma-BHC(Lindane)	50.8	50.0	ug/kg	102	85.0 - 120		126319619
Heptachlor	47.2	50.0	ug/kg	94.4	85.0 - 120		126319612
Heptachlor	42.4	50.0	ug/kg	84.8	85.0 - 120	*	126319619
Heptachlor epoxide	47.1	50.0	ug/kg	94.2	85.0 - 120		126319612
Heptachlor epoxide	49.8	50.0	ug/kg	99.6	85.0 - 120		126319619

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
4,4-DDD	1118065	15.4	15.1	16.6	24.2 - 162	92.5	90.7	ug/kg	1.97	40.0
4,4-DDE	1118065	12.3	12.8	16.6	30.8 - 146	73.9	76.9	ug/kg	3.98	40.0
4,4-DDT	1118065	16.5	15.6	16.6	21.4 - 173	99.1	93.7	ug/kg	5.60	40.0
Aldrin	1118065	6.16	6.97	16.6	7.45 - 141	37.0	41.9	ug/kg	12.4	40.0
Alpha-BHC(hexachlorocyclohexane)	1118065	4.85	5.77	16.6	6.51 - 141	29.1	34.7	ug/kg	17.6	40.0
Beta-BHC(hexachlorocyclohexane)	1118065	11.1	11.4	16.6	24.9 - 159	66.7	68.5	ug/kg	2.66	40.0
Delta-BHC(hexachlorocyclohexane)	1118065	9.79	9.77	16.6	28.1 - 149	58.8	58.7	ug/kg	0.170	40.0
Dieldrin	1118065	10.7	10.8	16.6	28.9 - 147	64.3	64.9	ug/kg	0.929	40.0
Endosulfan I (alpha)	1118065	8.25	8.47	16.6	14.6 - 143	49.5	50.9	ug/kg	2.79	40.0
Endosulfan II (beta)	1118065	45.5	43.0	50.0	27.7 - 151	91.0	86.0	ug/kg	5.65	40.0
Endosulfan sulfate	1118065	13.5	12.9	16.6	23.5 - 173	81.1	77.5	ug/kg	4.54	40.0
Endrin	1118065	11.9	11.8	16.6	28.9 - 161	71.5	70.9	ug/kg	0.843	40.0
Endrin aldehyde	1118065	15.3	15.2	16.6	0.100 - 252	91.9	91.3	ug/kg	0.655	40.0
Gamma-BHC(Lindane)	1118065	5.45	6.08	16.6	15.8 - 139	32.7	36.5	ug/kg	11.0	40.0
Heptachlor	1118065	6.14	6.64	16.6	3.66 - 160	36.9	39.9	ug/kg	7.81	40.0
Heptachlor epoxide	1118065	8.05	8.19	16.6	26.3 - 141	48.3	49.2	ug/kg	1.85	40.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
4,4-DDD	2294551	23.9	23.0	20.9	1000	0.100 - 199	0.300	0.210	ug/kg	35.3 *	30.0
4,4-DDE	2294551	17.5	17.7	4.59	1000	0.100 - 165	1.29	1.31	ug/kg	1.54	30.0
4,4-DDT	2294551	13.2	8.70	ND	1000	0.100 - 242	1.32	0.870	ug/kg	41.1 *	30.0
Aldrin	2294551	14.2	13.5	2.35	1000	0.100 - 134	1.18	1.12	ug/kg	6.09	30.0
Alpha-BHC(hexachlorocyclohexane)	2294551	13.5	12.0	ND	1000	0.100 - 138	1.35	1.20	ug/kg	11.8	30.0
Beta-BHC(hexachlorocyclohexane)	2294551	22.1	20.0	6.14	1000	0.100 - 179	1.60	1.39	ug/kg	14.1	30.0
Delta-BHC(hexachlorocyclohexane)	2294551	19.1	22.1	0.430	1000	0.100 - 148	1.87	2.17	ug/kg	14.9	30.0
Dieldrin	2294551	14.8	13.1	0.449	1000	0.100 - 203	1.44	1.27	ug/kg	12.6	30.0
Endosulfan I (alpha)	2294551	10.1	9.88	4.00	1000	0.100 - 152	0.610	0.588	ug/kg	3.67	30.0
Endosulfan II (beta)	2294551	17.3	16.1	3.48	1000	0.100 - 158	1.38	1.26	ug/kg	9.08	30.0
Endosulfan sulfate	2294551	19.3	17.8	ND	1000	0.100 - 161	1.93	1.78	ug/kg	8.09	30.0
Endrin	2294551	14.1	12.8	0.237	1000	0.100 - 185	1.39	1.26	ug/kg	9.84	30.0
Endrin aldehyde	2294551	6.13	5.70	0.506	1000	0.100 - 170	0.562	0.519	ug/kg	7.95	30.0
Gamma-BHC(Lindane)	2294551	19.9	18.2	5.97	1000	0.100 - 149	1.39	1.22	ug/kg	13.0	30.0
Heptachlor	2294551	13.2	11.6	ND	1000	0.100 - 157	1.32	1.16	ug/kg	12.9	30.0

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Heptachlor epoxide	2294551	38.2	44.0	14.1	1000	0.100 - 161	2.41	2.99	ug/kg	21.5	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	624136	CCV	47.7	100	ug/kg	47.7	10.0 - 150	126319612
Decachlorobiphenyl	624136	CCV	63.2	100	ug/kg	63.2	10.0 - 150	126319619
Tetrachloro-m-Xylene (Surr)	624136	CCV	45.5	100	ug/kg	45.5	10.0 - 150	126319612
Tetrachloro-m-Xylene (Surr)	624136	CCV	44.1	100	ug/kg	44.1	10.0 - 150	126319619
Decachlorobiphenyl	1118065	Blank	133	100	ug/kg	133	10.0 - 150	126319613
Decachlorobiphenyl	1118065	LCS	102	100	ug/kg	102	10.0 - 150	126319614
Decachlorobiphenyl	1118065	LCS Dup	105	100	ug/kg	105	10.0 - 150	126319615
Tetrachloro-m-Xylene (Surr)	1118065	Blank	28.2	100	ug/kg	28.2	10.0 - 150	126319613
Tetrachloro-m-Xylene (Surr)	1118065	LCS	20.6	100	ug/kg	20.6	10.0 - 150	126319614
Tetrachloro-m-Xylene (Surr)	1118065	LCS Dup	25.7	100	ug/kg	25.7	10.0 - 150	126319615
Decachlorobiphenyl	2294551	Unknown	45.7	33.3	ug/kg	137	10.0 - 150	126319616
Decachlorobiphenyl	2294551	MS	36.7	33.3	ug/kg	110	10.0 - 150	126319617
Decachlorobiphenyl	2294551	MSD	32.0	33.4	ug/kg	95.8	10.0 - 150	126319618
Tetrachloro-m-Xylene (Surr)	2294551	Unknown	19.4	33.3	ug/kg	58.3	10.0 - 150	126319616
Tetrachloro-m-Xylene (Surr)	2294551	MS	12.8	33.3	ug/kg	38.4	10.0 - 150	126319617
Tetrachloro-m-Xylene (Surr)	2294551	MSD	16.6	33.4	ug/kg	49.7	10.0 - 150	126319618

Analytical Set 1118902 — EPA 8141A

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Azinphos-methyl (Guthion)	1118243	ND	1.52	1.52	ug/kg	126327976
Chlorpyrifos	1118243	ND	2.54	3.00	ug/kg	126327976
Demeton	1118243	ND	1.28	1.66	ug/kg	126327976
Diazinon	1118243	ND	2.83	3.00	ug/kg	126327976
Malathion	1118243	ND	2.25	3.00	ug/kg	126327976
Parathion, ethyl	1118243	ND	1.50	1.50	ug/kg	126327976
Parathion, methyl	1118243	ND	1.48	1.50	ug/kg	126327976

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Azinphos-methyl (Guthion)	1260	1000	ug/kg	126	37.0 - 150	126327975
Azinphos-methyl (Guthion)	1190	1000	ug/kg	119	37.0 - 150	126327982
Chlorpyrifos	1290	1000	ug/kg	129	48.0 - 150	126327975
Chlorpyrifos	1320	1000	ug/kg	132	48.0 - 150	126327982
Demeton	1320	1000	ug/kg	132	16.0 - 150	126327975
Demeton	1400	1000	ug/kg	140	16.0 - 150	126327982
Diazinon	1210	1000	ug/kg	121	50.0 - 150	126327975
Diazinon	1280	1000	ug/kg	128	50.0 - 150	126327982
Malathion	1320	1000	ug/kg	132	50.0 - 150	126327975
Malathion	1360	1000	ug/kg	136	50.0 - 150	126327982
Parathion, ethyl	1320	1000	ug/kg	132	50.0 - 150	126327975

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Parathion, ethyl	1370	1000	ug/kg	137	50.0 - 150	126327982
Parathion, methyl	1320	1000	ug/kg	132	50.0 - 150	126327975
Parathion, methyl	1370	1000	ug/kg	137	50.0 - 150	126327982
Azinphos-methyl (Guthion)	474	500	ug/kg	94.9	37.0 - 150	126327974
Chlorpyrifos	470	500	ug/kg	94.1	48.0 - 150	126327974
Demeton	463	500	ug/kg	92.6	16.0 - 150	126327974
Diazinon	469	500	ug/kg	93.9	50.0 - 150	126327974
Malathion	465	500	ug/kg	93.0	50.0 - 150	126327974
Parathion, ethyl	468	500	ug/kg	93.7	50.0 - 150	126327974
Parathion, methyl	470	500	ug/kg	93.9	50.0 - 150	126327974

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Azinphos-methyl (Guthion)	1118243	0	19.0	30.0	70.0 - 130		63.3 *	ug/kg	200 *	30.0
Chlorpyrifos	1118243	14.3	15.9	30.0	0.100 - 132	47.7	53.0	ug/kg	10.5	50.0
Demeton	1118243	12.1	11.8	33.3	0.100 - 114	36.3	35.4	ug/kg	2.51	50.0
Diazinon	1118243	13.8	13.8	30.0	0.100 - 119	46.0	46.0	ug/kg	0	50.0
Malathion	1118243	15.0	16.6	30.0	0.100 - 126	50.0	55.3	ug/kg	10.1	50.0
Parathion, ethyl	1118243	15.2	17.2	30.0	0.100 - 138	50.7	57.3	ug/kg	12.2	50.0
Parathion, methyl	1118243	14.2	15.9	30.0	0.100 - 125	47.3	53.0	ug/kg	11.4	50.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Chlorpyrifos	2294549	12.8	17.3	8.24	33.3	30.0 - 130	13.7 *	27.2 *	ug/kg	66.1 *	30.0
Demeton	2294549	12.4	17.6	8.24	33.3	30.0 - 130	12.5 *	28.1 *	ug/kg	76.9 *	30.0
Diazinon	2294549	13.6	19.7	3.69	33.3	30.0 - 130	29.8 *	48.1	ug/kg	47.1 *	30.0
Malathion	2294549	9.91	14.3	8.24	33.3	30.0 - 130	5.02 *	18.2 *	ug/kg	114 *	30.0
Parathion, ethyl	2294549	53.1	87.2	ND	33.3	30.0 - 130	159 *	262 *	ug/kg	48.6 *	30.0
Parathion, methyl	2294549	12.2	16.5	8.24	33.3	30.0 - 130	11.9 *	24.8 *	ug/kg	70.4 *	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Tributylphosphate		CCV	1320	2000	ug/kg	66.0	0.100 - 106	126327975
Tributylphosphate		CCV	1390	2000	ug/kg	69.5	0.100 - 106	126327982
Triphenylphosphate		CCV	1190	2000	ug/kg	59.5	0.100 - 172	126327975
Triphenylphosphate		CCV	1180	2000	ug/kg	59.0	0.100 - 172	126327982
Tributylphosphate	622939	CCV	466	2000	ug/kg	23.3	0.100 - 106	126327974
Triphenylphosphate	622939	CCV	462	2000	ug/kg	23.1	0.100 - 172	126327974
Tributylphosphate	1118243	Blank	411	2000	ug/kg	20.6	0.100 - 106	126327976
Tributylphosphate	1118243	LCS	466	2000	ug/kg	23.3	0.100 - 106	126327977
Tributylphosphate	1118243	LCS Dup	514	2000	ug/kg	25.7	0.100 - 106	126327978
Triphenylphosphate	1118243	Blank	423	2000	ug/kg	21.2	0.100 - 172	126327976
Triphenylphosphate	1118243	LCS	425	2000	ug/kg	21.2	0.100 - 172	126327977
Triphenylphosphate	1118243	LCS Dup	492	2000	ug/kg	24.6	0.100 - 172	126327978
Tributylphosphate	2294549	Unknown	1.07	66.7	ug/kg	1.60	0.100 - 106	126327979
Tributylphosphate	2294549	MS	1.29	66.7	ug/kg	1.93	0.100 - 106	126327980

QUALITY CONTROL

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Project
1101253

Printed 05/15/2024

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Tributylphosphate	2294549	MSD	1.77	66.7	ug/kg	2.65	0.100 - 106	126327981
Triphenylphosphate	2294549	Unknown	0.908	66.7	ug/kg	1.36	0.100 - 172	126327979
Triphenylphosphate	2294549	MS	1.08	66.7	ug/kg	1.62	0.100 - 172	126327980

Analytical Set 1119432 — EPA 8270C

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
1,2,4,5-Tetrachlorobenzene	1117462	ND	4.56	33.3	ug/kg	126338698
2,4,5-Trichlorophenol	1117462	ND	6.43	33.3	ug/kg	126338698
2-Methylphenol (o-Cresol)	1117462	ND	160	166	ug/kg	126338698
3&4-Methylphenol (m&p-Cresol)	1117462	ND	87.9	166	ug/kg	126338698
n-Nitrosodiethylamine	1117462	ND	6.60	33.3	ug/kg	126338698
n-Nitroso-di-n-butylamine	1117462	ND	6.03	33.3	ug/kg	126338698
Pentachlorobenzene	1117462	ND	6.49	33.3	ug/kg	126338698
Pyridine	1117462	ND	56.6	56.6	ug/kg	126338698

CCC

Parameter	Reading	Known	Units	Recover%	Limits%	File
1,4-Dichlorobenzene	46900	50000.0	ug/kg	93.8	80.0 - 120	126338697
2,4,6-Trichlorophenol	51700	50000.0	ug/kg	103	80.0 - 120	126338697
2,4-Dichlorophenol	50300	50000.0	ug/kg	101	80.0 - 120	126338697
2-Nitrophenol	51400	50000.0	ug/kg	103	80.0 - 120	126338697
Acenaphthene	47500	50000.0	ug/kg	95.0	80.0 - 120	126338697
Benzo(a)pyrene	49300	50000.0	ug/kg	98.6	80.0 - 120	126338697
Di-n-octylphthalate	52400	50000.0	ug/kg	105	80.0 - 120	126338697
Fluoranthene(Benzo(j,k)fluorene)	49200	50000.0	ug/kg	98.4	80.0 - 120	126338697
Hexachlorobutadiene	49100	50000.0	ug/kg	98.2	80.0 - 120	126338697
N-Nitrosodiphenylamine (as DPA	51000	50000.0	ug/kg	102	80.0 - 120	126338697
p-Chloro-m-Cresol (4-Chloro-3-me	45200	50000.0	ug/kg	90.4	80.0 - 120	126338697
Pentachlorophenol	46900	50000.0	ug/kg	93.8	80.0 - 120	126338697
Phenol	47800	50000.0	ug/kg	95.6	80.0 - 120	126338697

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
1,2,4,5-Tetrachlorobenzene	48400	50000	ug/kg	96.8	80.0 - 120	126338697
2,4,5-Trichlorophenol	50600	50000	ug/kg	101	80.0 - 120	126338697
2-Methylphenol (o-Cresol)	47600	50000	ug/kg	95.1	80.0 - 120	126338697
3&4-Methylphenol (m&p-Cresol)	47000	50000	ug/kg	94.0	80.0 - 120	126338697
n-Nitrosodiethylamine	99300	100000	ug/kg	99.3	80.0 - 120	126338697
n-Nitroso-di-n-butylamine	47300	50000	ug/kg	94.7	80.0 - 120	126338697
Pentachlorobenzene	48300	50000	ug/kg	96.6	80.0 - 120	126338697
Pyridine	50100	50000	ug/kg	100	80.0 - 120	126338697

DFTPP

Parameter		RefMass	Reading	%	Limits%	File
DFTPP Mass 127	624702	198	35360	57.2	40.0 - 60.0	126338696

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1101253

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DFTPP

Parameter		RefMass	Reading	%	Limits%	File
DFTPP Mass 197	624702	198	177	0.3	0 - 1.00	126338696
DFTPP Mass 198	624702	198	61765	100.0	100 - 100	126338696
DFTPP Mass 199	624702	198	4307	7.0	5.00 - 9.00	126338696
DFTPP Mass 275	624702	198	15779	25.5	10.0 - 30.0	126338696
DFTPP Mass 365	624702	198	4084	6.6	1.00 - 100	126338696
DFTPP Mass 441	624702	443	4935	79.6	0 - 100	126338696
DFTPP Mass 442	624702	198	32106	52.0	40.0 - 100	126338696
DFTPP Mass 443	624702	442	6197	19.3	17.0 - 23.0	126338696
DFTPP Mass 51	624702	198	34168	55.3	30.0 - 60.0	126338696
DFTPP Mass 68	624702	69.0	287	0.9	0 - 2.00	126338696
DFTPP Mass 69	624702	198	32595	52.8	0 - 100	126338696
DFTPP Mass 70	624702	69.0	180	0.6	0 - 2.00	126338696

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High		File	PrepSet
1,4-Dichlorobenzene-d4-ISTD	1117462	Blank	87530	108700	54360	163100		126338698	1117462
1,4-Dichlorobenzene-d4-ISTD	1117462	LCS	94460	108700	54360	163100		126338699	1117462
1,4-Dichlorobenzene-d4-ISTD	1117462	LCS Dup	87630	108700	54360	163100		126338700	1117462
Acenaphthene-d10-ISTD	1117462	Blank	163000	243800	121900	365700		126338698	1117462
Acenaphthene-d10-ISTD	1117462	LCS	205400	243800	121900	365700		126338699	1117462
Acenaphthene-d10-ISTD	1117462	LCS Dup	194000	243800	121900	365700		126338700	1117462
Chrysene-d12-ISTD	1117462	Blank	216500	238900	119400	358300		126338698	1117462
Chrysene-d12-ISTD	1117462	LCS	248400	238900	119400	358300		126338699	1117462
Chrysene-d12-ISTD	1117462	LCS Dup	230500	238900	119400	358300		126338700	1117462
Naphthalene-d8-ISTD	1117462	Blank	296400	386400	193200	579700		126338698	1117462
Naphthalene-d8-ISTD	1117462	LCS	330600	386400	193200	579700		126338699	1117462
Naphthalene-d8-ISTD	1117462	LCS Dup	311500	386400	193200	579700		126338700	1117462
Perylene-d12-ISTD	1117462	Blank	96770	106600	53320	159900		126338698	1117462
Perylene-d12-ISTD	1117462	LCS	92260	106600	53320	159900		126338699	1117462
Perylene-d12-ISTD	1117462	LCS Dup	78500	106600	53320	159900		126338700	1117462
Phenanthrene-d10-ISTD	1117462	Blank	265600	465200	232600	697800		126338698	1117462
Phenanthrene-d10-ISTD	1117462	LCS	384100	465200	232600	697800		126338699	1117462
Phenanthrene-d10-ISTD	1117462	LCS Dup	368600	465200	232600	697800		126338700	1117462
1,4-Dichlorobenzene-d4-ISTD	2294549	Unknown	75930	108700	54360	163100		126338701	1117462
Acenaphthene-d10-ISTD	2294549	Unknown	183000	243800	121900	365700		126338701	1117462
Chrysene-d12-ISTD	2294549	Unknown	61150	238900	119400	358300	*	126338701	1117462
Naphthalene-d8-ISTD	2294549	Unknown	277900	386400	193200	579700		126338701	1117462
Perylene-d12-ISTD	2294549	Unknown	40990	106600	53320	159900	*	126338701	1117462
Phenanthrene-d10-ISTD	2294549	Unknown	307400	465200	232600	697800		126338701	1117462
1,4-Dichlorobenzene-d4-ISTD	2294551	MS	181400	108700	54360	163100	*	126338703	1117462
1,4-Dichlorobenzene-d4-ISTD	2294551	MSD	132100	108700	54360	163100		126338704	1117462
Acenaphthene-d10-ISTD	2294551	MS	464100	243800	121900	365700	*	126338703	1117462
Acenaphthene-d10-ISTD	2294551	MSD	294600	243800	121900	365700		126338704	1117462
Chrysene-d12-ISTD	2294551	MS	76330	238900	119400	358300	*	126338703	1117462
Chrysene-d12-ISTD	2294551	MSD	79220	238900	119400	358300	*	126338704	1117462

QUALITY CONTROL

ODES-W

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1101253

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IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High		File	PrepSet
Naphthalene-d8-ISTD	2294551	MS	698300	386400	193200	579700	*	126338703	1117462
Naphthalene-d8-ISTD	2294551	MSD	479400	386400	193200	579700		126338704	1117462
Perylene-d12-ISTD	2294551	MS	66660	106600	53320	159900		126338703	1117462
Perylene-d12-ISTD	2294551	MSD	67720	106600	53320	159900		126338704	1117462
Phenanthrene-d10-ISTD	2294551	MS	530500	465200	232600	697800		126338703	1117462
Phenanthrene-d10-ISTD	2294551	MSD	411200	465200	232600	697800		126338704	1117462

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-Dichlorobenzene-d4-ISTD	1117462	Blank	8.770	8.770	8.710	8.830	126338698	1117462
1,4-Dichlorobenzene-d4-ISTD	1117462	LCS	8.760	8.770	8.710	8.830	126338699	1117462
1,4-Dichlorobenzene-d4-ISTD	1117462	LCS Dup	8.770	8.770	8.710	8.830	126338700	1117462
Acenaphthene-d10-ISTD	1117462	Blank	15.30	15.31	15.25	15.37	126338698	1117462
Acenaphthene-d10-ISTD	1117462	LCS	15.31	15.31	15.25	15.37	126338699	1117462
Acenaphthene-d10-ISTD	1117462	LCS Dup	15.30	15.31	15.25	15.37	126338700	1117462
Chrysene-d12-ISTD	1117462	Blank	21.41	21.41	21.35	21.47	126338698	1117462
Chrysene-d12-ISTD	1117462	LCS	21.41	21.41	21.35	21.47	126338699	1117462
Chrysene-d12-ISTD	1117462	LCS Dup	21.41	21.41	21.35	21.47	126338700	1117462
Naphthalene-d8-ISTD	1117462	Blank	11.32	11.32	11.26	11.38	126338698	1117462
Naphthalene-d8-ISTD	1117462	LCS	11.32	11.32	11.26	11.38	126338699	1117462
Naphthalene-d8-ISTD	1117462	LCS Dup	11.32	11.32	11.26	11.38	126338700	1117462
Perylene-d12-ISTD	1117462	Blank	23.66	23.66	23.60	23.72	126338698	1117462
Perylene-d12-ISTD	1117462	LCS	23.66	23.66	23.60	23.72	126338699	1117462
Perylene-d12-ISTD	1117462	LCS Dup	23.66	23.66	23.60	23.72	126338700	1117462
Phenanthrene-d10-ISTD	1117462	Blank	17.81	17.82	17.76	17.88	126338698	1117462
Phenanthrene-d10-ISTD	1117462	LCS	17.81	17.82	17.76	17.88	126338699	1117462
Phenanthrene-d10-ISTD	1117462	LCS Dup	17.81	17.82	17.76	17.88	126338700	1117462
1,4-Dichlorobenzene-d4-ISTD	2294549	Unknown	8.760	8.770	8.710	8.830	126338701	1117462
Acenaphthene-d10-ISTD	2294549	Unknown	15.31	15.31	15.25	15.37	126338701	1117462
Chrysene-d12-ISTD	2294549	Unknown	21.40	21.41	21.35	21.47	126338701	1117462
Naphthalene-d8-ISTD	2294549	Unknown	11.32	11.32	11.26	11.38	126338701	1117462
Perylene-d12-ISTD	2294549	Unknown	23.66	23.66	23.60	23.72	126338701	1117462
Phenanthrene-d10-ISTD	2294549	Unknown	17.81	17.82	17.76	17.88	126338701	1117462
1,4-Dichlorobenzene-d4-ISTD	2294551	MS	8.770	8.770	8.710	8.830	126338703	1117462
1,4-Dichlorobenzene-d4-ISTD	2294551	MSD	8.770	8.770	8.710	8.830	126338704	1117462
Acenaphthene-d10-ISTD	2294551	MS	15.32	15.31	15.25	15.37	126338703	1117462
Acenaphthene-d10-ISTD	2294551	MSD	15.31	15.31	15.25	15.37	126338704	1117462
Chrysene-d12-ISTD	2294551	MS	21.41	21.41	21.35	21.47	126338703	1117462
Chrysene-d12-ISTD	2294551	MSD	21.41	21.41	21.35	21.47	126338704	1117462
Naphthalene-d8-ISTD	2294551	MS	11.33	11.32	11.26	11.38	126338703	1117462
Naphthalene-d8-ISTD	2294551	MSD	11.32	11.32	11.26	11.38	126338704	1117462
Perylene-d12-ISTD	2294551	MS	23.66	23.66	23.60	23.72	126338703	1117462
Perylene-d12-ISTD	2294551	MSD	23.66	23.66	23.60	23.72	126338704	1117462
Phenanthrene-d10-ISTD	2294551	MS	17.82	17.82	17.76	17.88	126338703	1117462
Phenanthrene-d10-ISTD	2294551	MSD	17.82	17.82	17.76	17.88	126338704	1117462

QUALITY CONTROL

ODES-W

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,2,4,5-Tetrachlorobenzene	1117462	738	715	832	35.9 - 120	88.6	85.9	ug/kg	3.09	30.0
2,4,5-Trichlorophenol	1117462	853	839	832	31.3 - 132	102	101	ug/kg	0.985	30.0
2-Methylphenol (o-Cresol)	1117462	707	641	832	23.8 - 124	84.9	77.0	ug/kg	9.76	30.0
3&4-Methylphenol (m&p-Cresol)	1117462	705	629	832	19.2 - 132	84.7	75.6	ug/kg	11.4	30.0
n-Nitrosodiethylamine	1117462	735	758	832	44.1 - 117	88.3	91.1	ug/kg	3.12	30.0
n-Nitroso-di-n-butylamine	1117462	769	747	832	49.0 - 121	92.4	89.7	ug/kg	2.97	30.0
Pentachlorobenzene	1117462	694	726	832	49.0 - 117	83.4	87.2	ug/kg	4.45	30.0
Pyridine	1117462	469	466	832	8.56 - 104	56.3	56.0	ug/kg	0.534	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
1,2,4,5-Tetrachlorobenzene	2294551	2430	1540	29.3	2510	70.0 - 130	96.0	60.4 *	ug/kg	45.5 *	30.0
2,4,5-Trichlorophenol	2294551	2950	1840	29.3	2510	0.100 - 191	117	72.4	ug/kg	46.9 *	30.0
2-Methylphenol (o-Cresol)	2294551	2610	1710	ND	2510	0.100 - 163	104	68.4	ug/kg	41.7 *	30.0
3&4-Methylphenol (m&p-Cresol)	2294551	46800	25800	22400	2510	0.100 - 169	976 *	136	ug/kg	151 *	30.0
n-Nitrosodiethylamine	2294551	2930	1610	29.3	2510	70.0 - 130	116	63.2 *	ug/kg	58.9 *	30.0
n-Nitroso-di-n-butylamine	2294551	2230	1380	29.3	2510	70.0 - 130	88.0	54.0 *	ug/kg	47.9 *	30.0
Pentachlorobenzene	2294551	2330	1450	29.3	2510	70.0 - 130	92.0	56.8 *	ug/kg	47.3 *	30.0
Pyridine	2294551	1120	1010	144	2510	0.100 - 112	39.0	34.6	ug/kg	11.9	30.0

SPCC

Parameter	Sample	RF	Minimum	File
2,4-Dinitrophenol	624029	47000	0.050	126338697
4-Nitrophenol	624029	49500	0.050	126338697
Hexachlorocyclopentadiene	624029	50500	0.050	126338697
N-Nitrosodi-n-propylamine	624029	45900	0.050	126338697

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4,6-Tribromophenol	624029	CCV	48100	100000	ug/kg	48.1	26.8 - 124	126338697
2-Fluorobiphenyl-SURR	624029	CCV	48500	50000	ug/kg	97.0	22.1 - 97.9	126338697
2-Fluorophenol-SURR	624029	CCV	49000	100000	ug/kg	49.0	0.100 - 122	126338697
4-Terphenyl-d14-SURR	624029	CCV	48600	50000	ug/kg	97.2	23.6 - 108	126338697
Nitrobenzene-d5-SURR	624029	CCV	48500	50000	ug/kg	97.0 *	26.7 - 96.2	126338697
Phenol-d6-SURR	624029	CCV	47900	100000	ug/kg	47.9	0.100 - 127	126338697
2,4,6-Tribromophenol	1117462	Blank	1070	3330	ug/kg	32.1	26.8 - 124	126338698
2,4,6-Tribromophenol	1117462	LCS	3570	3330	ug/kg	107	26.8 - 124	126338699
2,4,6-Tribromophenol	1117462	LCS Dup	3380	3330	ug/kg	102	26.8 - 124	126338700
2-Fluorobiphenyl-SURR	1117462	Blank	45600	50000	ug/kg	91.2	22.1 - 97.9	126338698
2-Fluorobiphenyl-SURR	1117462	LCS	42000	50000	ug/kg	84.0	22.1 - 97.9	126338699
2-Fluorobiphenyl-SURR	1117462	LCS Dup	41400	50000	ug/kg	82.8	22.1 - 97.9	126338700
2-Fluorophenol-SURR	1117462	Blank	62600	100000	ug/kg	62.6	0.100 - 122	126338698
2-Fluorophenol-SURR	1117462	LCS	132000	100000	ug/kg	132 *	0.100 - 122	126338699
2-Fluorophenol-SURR	1117462	LCS Dup	131000	100000	ug/kg	131 *	0.100 - 122	126338700
4-Terphenyl-d14-SURR	1117462	Blank	37800	50000	ug/kg	75.6	23.6 - 108	126338698
4-Terphenyl-d14-SURR	1117462	LCS	43400	50000	ug/kg	86.8	23.6 - 108	126338699

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
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Odessa, TX 79764

Project
1101253

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Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
4-Terphenyl-d14-SURR	1117462	LCS Dup	43600	50000	ug/kg	87.2	23.6 - 108	126338700
Nitrobenzene-d5-SURR	1117462	Blank	37000	50000	ug/kg	74.0	26.7 - 96.2	126338698
Nitrobenzene-d5-SURR	1117462	LCS	40000	50000	ug/kg	80.0	26.7 - 96.2	126338699
Nitrobenzene-d5-SURR	1117462	LCS Dup	40400	50000	ug/kg	80.8	26.7 - 96.2	126338700
Phenol-d6-SURR	1117462	Blank	76800	100000	ug/kg	76.8	0.100 - 127	126338698
Phenol-d6-SURR	1117462	LCS	121000	100000	ug/kg	121	0.100 - 127	126338699
Phenol-d6-SURR	1117462	LCS Dup	122000	100000	ug/kg	122	0.100 - 127	126338700
2,4,6-Tribromophenol	2294549	Unknown	2240	3330	ug/kg	67.3	26.8 - 124	126338701
2-Fluorobiphenyl-SURR	2294549	Unknown	1150	1670	ug/kg	68.9	22.1 - 97.9	126338701
2-Fluorophenol-SURR	2294549	Unknown	2880	3330	ug/kg	86.5	0.100 - 122	126338701
4-Terphenyl-d14-SURR	2294549	Unknown	1520	1670	ug/kg	91.0	23.6 - 108	126338701
Nitrobenzene-d5-SURR	2294549	Unknown	1190	1670	ug/kg	71.3	26.7 - 96.2	126338701
Phenol-d6-SURR	2294549	Unknown	2700	3330	ug/kg	81.1	0.100 - 127	126338701
2,4,6-Tribromophenol	2294551	MS	9870	9980	ug/kg	98.9	26.8 - 124	126338703
2,4,6-Tribromophenol	2294551	MSD	7090	10000	ug/kg	70.9	26.8 - 124	126338704
2-Fluorobiphenyl-SURR	2294551	MS	4620	4990	ug/kg	92.6	22.1 - 97.9	126338703
2-Fluorobiphenyl-SURR	2294551	MSD	2830	5010	ug/kg	56.5	22.1 - 97.9	126338704
2-Fluorophenol-SURR	2294551	MS	17500	9980	ug/kg	175 *	0.100 - 122	126338703
2-Fluorophenol-SURR	2294551	MSD	10600	10000	ug/kg	106	0.100 - 122	126338704
4-Terphenyl-d14-SURR	2294551	MS	5140	4990	ug/kg	103	23.6 - 108	126338703
4-Terphenyl-d14-SURR	2294551	MSD	3560	5010	ug/kg	71.1	23.6 - 108	126338704
Nitrobenzene-d5-SURR	2294551	MS	4250	4990	ug/kg	85.2	26.7 - 96.2	126338703
Nitrobenzene-d5-SURR	2294551	MSD	2580	5010	ug/kg	51.5	26.7 - 96.2	126338704
Phenol-d6-SURR	2294551	MS	14000	9980	ug/kg	140 *	0.100 - 127	126338703
Phenol-d6-SURR	2294551	MSD	8690	10000	ug/kg	86.9	0.100 - 127	126338704

Analytical Set 1119433 — EPA 8270C

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
1,2,4-Trichlorobenzene	1117462	ND	6.49	33.3	ug/kg	126338707
1,2-DPH (as azobenzene)	1117462	ND	9.99	33.3	ug/kg	126338707
2,4,6-Trichlorophenol	1117462	ND	89.2	89.2	ug/kg	126338707
2,4-Dichlorophenol	1117462	ND	47.3	47.3	ug/kg	126338707
2,4-Dimethylphenol	1117462	ND	15.8	33.3	ug/kg	126338707
2,4-Dinitrophenol	1117462	ND	69.9	69.9	ug/kg	126338707
2,4-Dinitrotoluene	1117462	ND	43.0	43.0	ug/kg	126338707
2,6-Dinitrotoluene	1117462	ND	56.6	56.6	ug/kg	126338707
2-Chloronaphthalene	1117462	ND	4.06	33.3	ug/kg	126338707
2-Chlorophenol	1117462	ND	55.9	55.9	ug/kg	126338707
2-Nitrophenol	1117462	ND	121	121	ug/kg	126338707
3,3'-Dichlorobenzidine	1117462	ND	2.13	2.16	ug/kg	126338707
4,6-Dinitro-2-methylphenol	1117462	ND	151	151	ug/kg	126338707
4-Bromophenyl phenyl ether	1117462	ND	8.69	33.3	ug/kg	126338707
4-Chlorophenyl phenyl ethe	1117462	ND	3.60	33.3	ug/kg	126338707

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1101253

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Blank

Parameter	PrepSet	Reading	MDL	MQL	Units		File
4-Nitrophenol	1117462	ND	16.5	33.3	ug/kg		126338707
Acenaphthene	1117462	ND	23.2	33.0	ug/kg		126338707
Acenaphthylene	1117462	ND	31.9	33.0	ug/kg		126338707
Anthracene	1117462	ND	52.5	66.0	ug/kg		126338707
Benzidine	1117462	ND	25.0	33.3	ug/kg		126338707
Benzo(a)anthracene	1117462	ND	33.0	33.0	ug/kg		126338707
Benzo(a)pyrene	1117462	ND	51.5	66.0	ug/kg		126338707
Benzo(b)fluoranthene	1117462	ND	47.2	66.0	ug/kg		126338707
Benzo(ghi)perylene	1117462	ND	38.6	66.0	ug/kg		126338707
Benzo(k)fluoranthene	1117462	ND	37.0	66.0	ug/kg		126338707
Benzyl Butyl phthalate	1117462	291	89.8	99.0	ug/kg	*	126338707
Bis(2-chloroethoxy)methane	1117462	ND	3.66	33.3	ug/kg		126338707
Bis(2-chloroethyl)ether	1117462	ND	5.99	33.3	ug/kg		126338707
Bis(2-chloroisopropyl)ether	1117462	ND	4.16	33.3	ug/kg		126338707
Bis(2-ethylhexyl)phthalate	1117462	61.3	23.1	166	ug/kg		126338707
Chrysene (Benzo(a)phenanthrene)	1117462	ND	25.7	33.0	ug/kg		126338707
Dibenz(a,h)anthracene	1117462	ND	54.8	66.0	ug/kg		126338707
Diethyl phthalate	1117462	ND	49.5	66.0	ug/kg		126338707
Dimethyl phthalate	1117462	ND	4.30	33.3	ug/kg		126338707
Di-n-butylphthalate	1117462	ND	87.1	99.0	ug/kg		126338707
Di-n-octylphthalate	1117462	ND	332	332	ug/kg		126338707
Fluoranthene(Benzo(j,k)fluorene)	1117462	ND	61.4	66.0	ug/kg		126338707
Fluorene	1117462	ND	38.3	66.0	ug/kg		126338707
Hexachlorobenzene	1117462	ND	4.43	33.3	ug/kg		126338707
Hexachlorobutadiene	1117462	ND	4.30	33.3	ug/kg		126338707
Hexachlorocyclopentadiene	1117462	ND	42.6	42.6	ug/kg		126338707
Hexachloroethane	1117462	ND	16.1	33.3	ug/kg		126338707
Indeno(1,2,3-cd)pyrene	1117462	ND	71.9	99.0	ug/kg		126338707
Isophorone	1117462	ND	3.53	33.3	ug/kg		126338707
Naphthalene	1117462	ND	32.0	33.0	ug/kg		126338707
Nitrobenzene	1117462	ND	27.1	33.3	ug/kg		126338707
N-Nitrosodimethylamine	1117462	ND	15.2	33.3	ug/kg		126338707
N-Nitrosodi-n-propylamine	1117462	ND	6.33	33.3	ug/kg		126338707
N-Nitrosodiphenylamine (as DPA	1117462	ND	130	130	ug/kg		126338707
p-Chloro-m-Cresol (4-Chloro-3-me	1117462	ND	55.6	55.6	ug/kg		126338707
Pentachlorophenol	1117462	ND	39.3	39.3	ug/kg		126338707
Phenanthrene	1117462	ND	32.9	33.0	ug/kg		126338707
Phenol	1117462	ND	34.0	34.0	ug/kg		126338707
Pyrene	1117462	ND	34.3	66.0	ug/kg		126338707

CCC

Parameter	Reading	Known	Units	Recover%	Limits%	File
1,4-Dichlorobenzene	46900	50000.0	ug/kg	93.8	80.0 - 120	126338706
2,4,6-Trichlorophenol	51700	50000.0	ug/kg	103	80.0 - 120	126338706
2,4-Dichlorophenol	50300	50000.0	ug/kg	101	80.0 - 120	126338706

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1101253

Printed 05/15/2024

CCC

Parameter	Reading	Known	Units	Recover%	Limits%	File
2-Nitrophenol	51400	50000.0	ug/kg	103	80.0 - 120	126338706
Acenaphthene	47500	50000.0	ug/kg	95.0	80.0 - 120	126338706
Benzo(a)pyrene	49300	50000.0	ug/kg	98.6	80.0 - 120	126338706
Di-n-octylphthalate	52400	50000.0	ug/kg	105	80.0 - 120	126338706
Fluoranthene(Benzo(j,k)fluorene)	49200	50000.0	ug/kg	98.4	80.0 - 120	126338706
Hexachlorobutadiene	49100	50000.0	ug/kg	98.2	80.0 - 120	126338706
N-Nitrosodiphenylamine (as DPA	51000	50000.0	ug/kg	102	80.0 - 120	126338706
p-Chloro-m-Cresol (4-Chloro-3-me	45200	50000.0	ug/kg	90.4	80.0 - 120	126338706
Pentachlorophenol	46900	50000.0	ug/kg	93.8	80.0 - 120	126338706
Phenol	47800	50000.0	ug/kg	95.6	80.0 - 120	126338706

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
1,2,4-Trichlorobenzene	48800	50000	ug/kg	97.6	80.0 - 120	126338706
1,2-DPH (as azobenzene)	49700	50000	ug/kg	99.4	80.0 - 120	126338706
2,4,6-Trichlorophenol	51700	50000	ug/kg	103	80.0 - 120	126338706
2,4-Dichlorophenol	50300	50000	ug/kg	101	80.0 - 120	126338706
2,4-Dimethylphenol	47200	50000	ug/kg	94.5	80.0 - 120	126338706
2,4-Dinitrophenol	47000	50000	ug/kg	93.9	80.0 - 120	126338706
2,4-Dinitrotoluene	46800	50000	ug/kg	93.6	80.0 - 120	126338706
2,6-Dinitrotoluene	51700	50000	ug/kg	103	80.0 - 120	126338706
2-Chloronaphthalene	48500	50000	ug/kg	97.0	80.0 - 120	126338706
2-Chlorophenol	48800	50000	ug/kg	97.5	80.0 - 120	126338706
2-Nitrophenol	51400	50000	ug/kg	103	80.0 - 120	126338706
3,3'-Dichlorobenzidine	50000	50000	ug/kg	99.9	80.0 - 120	126338706
4,6-Dinitro-2-methylphenol	49900	50000	ug/kg	99.9	80.0 - 120	126338706
4-Bromophenyl phenyl ether	48200	50000	ug/kg	96.3	80.0 - 120	126338706
4-Chlorophenyl phenyl ethe	49100	50000	ug/kg	98.1	80.0 - 120	126338706
4-Nitrophenol	49500	50000	ug/kg	99.0	80.0 - 120	126338706
Acenaphthene	47500	50000	ug/kg	95.1	80.0 - 120	126338706
Acenaphthylene	48600	50000	ug/kg	97.3	80.0 - 120	126338706
Anthracene	49000	50000	ug/kg	97.9	80.0 - 120	126338706
Benzidine	43200	50000	ug/kg	86.4	80.0 - 120	126338706
Benzo(a)anthracene	48600	50000	ug/kg	97.1	80.0 - 120	126338706
Benzo(a)pyrene	49300	50000	ug/kg	98.5	80.0 - 120	126338706
Benzo(b)fluoranthene	48300	50000	ug/kg	96.7	80.0 - 120	126338706
Benzo(ghi)perylene	47600	50000	ug/kg	95.2	80.0 - 120	126338706
Benzo(k)fluoranthene	49400	50000	ug/kg	98.8	80.0 - 120	126338706
Benzyl Butyl phthalate	48700	50000	ug/kg	97.4	80.0 - 120	126338706
Bis(2-chloroethoxy)methane	48000	50000	ug/kg	96.1	80.0 - 120	126338706
Bis(2-chloroethyl)ether	46600	50000	ug/kg	93.3	80.0 - 120	126338706
Bis(2-chloroisopropyl)ether	45800	50000	ug/kg	91.6	80.0 - 120	126338706
Bis(2-ethylhexyl)phthalate	48400	50000	ug/kg	96.8	80.0 - 120	126338706
Chrysene (Benzo(a)phenanthrene)	47900	50000	ug/kg	95.8	80.0 - 120	126338706
Dibenz(a,h)anthracene	49000	50000	ug/kg	98.1	80.0 - 120	126338706

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1101253

Printed 05/15/2024

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Diethyl phthalate	49600	50000	ug/kg	99.2	80.0 - 120	126338706
Dimethyl phthalate	48900	50000	ug/kg	97.8	80.0 - 120	126338706
Di-n-butylphthalate	49200	50000	ug/kg	98.4	80.0 - 120	126338706
Di-n-octylphthalate	52400	50000	ug/kg	105	80.0 - 120	126338706
Fluoranthene(Benzo(j,k)fluorene)	49200	50000	ug/kg	98.3	80.0 - 120	126338706
Fluorene	50300	50000	ug/kg	101	80.0 - 120	126338706
Hexachlorobenzene	48500	50000	ug/kg	97.0	80.0 - 120	126338706
Hexachlorobutadiene	49100	50000	ug/kg	98.2	80.0 - 120	126338706
Hexachlorocyclopentadiene	50500	50000	ug/kg	101	80.0 - 120	126338706
Hexachloroethane	47000	50000	ug/kg	94.0	80.0 - 120	126338706
Indeno(1,2,3-cd)pyrene	48700	50000	ug/kg	97.5	80.0 - 120	126338706
Isophorone	49400	50000	ug/kg	98.9	80.0 - 120	126338706
Naphthalene	47300	50000	ug/kg	94.6	80.0 - 120	126338706
Nitrobenzene	47900	50000	ug/kg	95.8	80.0 - 120	126338706
N-Nitrosodimethylamine	45400	50000	ug/kg	90.7	80.0 - 120	126338706
N-Nitrosodi-n-propylamine	45900	50000	ug/kg	91.8	80.0 - 120	126338706
N-Nitrosodiphenylamine (as DPA	51000	50000	ug/kg	102	80.0 - 120	126338706
p-Chloro-m-Cresol (4-Chloro-3-me	45200	50000	ug/kg	90.3	80.0 - 120	126338706
Pentachlorophenol	46900	50000	ug/kg	93.8	80.0 - 120	126338706
Phenanthrene	48200	50000	ug/kg	96.5	80.0 - 120	126338706
Phenol	47800	50000	ug/kg	95.5	80.0 - 120	126338706
Pyrene	48600	50000	ug/kg	97.2	80.0 - 120	126338706

DFTPP

Parameter		RefMass	Reading	%	Limits%	File
DFTPP Mass 127	624702	198	35360	57.2	40.0 - 60.0	126338705
DFTPP Mass 197	624702	198	177	0.3	0 - 1.00	126338705
DFTPP Mass 198	624702	198	61765	100.0	100 - 100	126338705
DFTPP Mass 199	624702	198	4307	7.0	5.00 - 9.00	126338705
DFTPP Mass 275	624702	198	15779	25.5	10.0 - 30.0	126338705
DFTPP Mass 365	624702	198	4084	6.6	1.00 - 100	126338705
DFTPP Mass 441	624702	443	4935	79.6	0 - 100	126338705
DFTPP Mass 442	624702	198	32106	52.0	40.0 - 100	126338705
DFTPP Mass 443	624702	442	6197	19.3	17.0 - 23.0	126338705
DFTPP Mass 51	624702	198	34168	55.3	30.0 - 60.0	126338705
DFTPP Mass 68	624702	69.0	287	0.9	0 - 2.00	126338705
DFTPP Mass 69	624702	198	32595	52.8	0 - 100	126338705
DFTPP Mass 70	624702	69.0	180	0.6	0 - 2.00	126338705

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-Dichlorobenzene-d4-ISTD	1117462	Blank	87530	108700	54360	163100	126338707	1117462
1,4-Dichlorobenzene-d4-ISTD	1117462	LCS	94460	108700	54360	163100	126338708	1117462
1,4-Dichlorobenzene-d4-ISTD	1117462	LCS Dup	87630	108700	54360	163100	126338709	1117462
Acenaphthene-d10-ISTD	1117462	Blank	163000	243800	121900	365700	126338707	1117462

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1101253

Printed 05/15/2024

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High		File	PrepSet
Acenaphthene-d10-ISTD	1117462	LCS	205400	243800	121900	365700		126338708	1117462
Acenaphthene-d10-ISTD	1117462	LCS Dup	194000	243800	121900	365700		126338709	1117462
Chrysene-d12-ISTD	1117462	Blank	216500	238900	119400	358300		126338707	1117462
Chrysene-d12-ISTD	1117462	LCS	248400	238900	119400	358300		126338708	1117462
Chrysene-d12-ISTD	1117462	LCS Dup	230500	238900	119400	358300		126338709	1117462
Naphthalene-d8-ISTD	1117462	Blank	296400	386400	193200	579700		126338707	1117462
Naphthalene-d8-ISTD	1117462	LCS	330600	386400	193200	579700		126338708	1117462
Naphthalene-d8-ISTD	1117462	LCS Dup	311500	386400	193200	579700		126338709	1117462
Perylene-d12-ISTD	1117462	Blank	96770	106600	53320	159900		126338707	1117462
Perylene-d12-ISTD	1117462	LCS	92260	106600	53320	159900		126338708	1117462
Perylene-d12-ISTD	1117462	LCS Dup	78500	106600	53320	159900		126338709	1117462
Phenanthrene-d10-ISTD	1117462	Blank	265600	465200	232600	697800		126338707	1117462
Phenanthrene-d10-ISTD	1117462	LCS	384100	465200	232600	697800		126338708	1117462
Phenanthrene-d10-ISTD	1117462	LCS Dup	368600	465200	232600	697800		126338709	1117462
1,4-Dichlorobenzene-d4-ISTD	2294551	Unknown	152700	108700	54360	163100		126338710	1117462
1,4-Dichlorobenzene-d4-ISTD	2294551	MS	181400	108700	54360	163100	*	126338711	1117462
1,4-Dichlorobenzene-d4-ISTD	2294551	MSD	132100	108700	54360	163100		126338712	1117462
Acenaphthene-d10-ISTD	2294551	Unknown	358200	243800	121900	365700		126338710	1117462
Acenaphthene-d10-ISTD	2294551	MS	464100	243800	121900	365700	*	126338711	1117462
Acenaphthene-d10-ISTD	2294551	MSD	294600	243800	121900	365700		126338712	1117462
Chrysene-d12-ISTD	2294551	Unknown	89120	238900	119400	358300	*	126338710	1117462
Chrysene-d12-ISTD	2294551	MS	76330	238900	119400	358300	*	126338711	1117462
Chrysene-d12-ISTD	2294551	MSD	79220	238900	119400	358300	*	126338712	1117462
Naphthalene-d8-ISTD	2294551	Unknown	563400	386400	193200	579700		126338710	1117462
Naphthalene-d8-ISTD	2294551	MS	698300	386400	193200	579700	*	126338711	1117462
Naphthalene-d8-ISTD	2294551	MSD	479400	386400	193200	579700		126338712	1117462
Perylene-d12-ISTD	2294551	Unknown	70200	106600	53320	159900		126338710	1117462
Perylene-d12-ISTD	2294551	MS	66660	106600	53320	159900		126338711	1117462
Perylene-d12-ISTD	2294551	MSD	67720	106600	53320	159900		126338712	1117462
Phenanthrene-d10-ISTD	2294551	Unknown	543700	465200	232600	697800		126338710	1117462
Phenanthrene-d10-ISTD	2294551	MS	530500	465200	232600	697800		126338711	1117462
Phenanthrene-d10-ISTD	2294551	MSD	411200	465200	232600	697800		126338712	1117462

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-Dichlorobenzene-d4-ISTD	1117462	Blank	8.770	8.770	8.710	8.830	126338707	1117462
1,4-Dichlorobenzene-d4-ISTD	1117462	LCS	8.760	8.770	8.710	8.830	126338708	1117462
1,4-Dichlorobenzene-d4-ISTD	1117462	LCS Dup	8.770	8.770	8.710	8.830	126338709	1117462
Acenaphthene-d10-ISTD	1117462	Blank	15.30	15.31	15.25	15.37	126338707	1117462
Acenaphthene-d10-ISTD	1117462	LCS	15.31	15.31	15.25	15.37	126338708	1117462
Acenaphthene-d10-ISTD	1117462	LCS Dup	15.30	15.31	15.25	15.37	126338709	1117462
Chrysene-d12-ISTD	1117462	Blank	21.41	21.41	21.35	21.47	126338707	1117462
Chrysene-d12-ISTD	1117462	LCS	21.41	21.41	21.35	21.47	126338708	1117462
Chrysene-d12-ISTD	1117462	LCS Dup	21.41	21.41	21.35	21.47	126338709	1117462
Naphthalene-d8-ISTD	1117462	Blank	11.32	11.32	11.26	11.38	126338707	1117462

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1101253

Printed 05/15/2024

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Naphthalene-d8-ISTD	1117462	LCS	11.32	11.32	11.26	11.38	126338708	1117462
Naphthalene-d8-ISTD	1117462	LCS Dup	11.32	11.32	11.26	11.38	126338709	1117462
Perylene-d12-ISTD	1117462	Blank	23.66	23.66	23.60	23.72	126338707	1117462
Perylene-d12-ISTD	1117462	LCS	23.66	23.66	23.60	23.72	126338708	1117462
Perylene-d12-ISTD	1117462	LCS Dup	23.66	23.66	23.60	23.72	126338709	1117462
Phenanthrene-d10-ISTD	1117462	Blank	17.81	17.82	17.76	17.88	126338707	1117462
Phenanthrene-d10-ISTD	1117462	LCS	17.81	17.82	17.76	17.88	126338708	1117462
Phenanthrene-d10-ISTD	1117462	LCS Dup	17.81	17.82	17.76	17.88	126338709	1117462
1,4-Dichlorobenzene-d4-ISTD	2294551	Unknown	8.770	8.770	8.710	8.830	126338710	1117462
1,4-Dichlorobenzene-d4-ISTD	2294551	MS	8.770	8.770	8.710	8.830	126338711	1117462
1,4-Dichlorobenzene-d4-ISTD	2294551	MSD	8.770	8.770	8.710	8.830	126338712	1117462
Acenaphthene-d10-ISTD	2294551	Unknown	15.31	15.31	15.25	15.37	126338710	1117462
Acenaphthene-d10-ISTD	2294551	MS	15.32	15.31	15.25	15.37	126338711	1117462
Acenaphthene-d10-ISTD	2294551	MSD	15.31	15.31	15.25	15.37	126338712	1117462
Chrysene-d12-ISTD	2294551	Unknown	21.41	21.41	21.35	21.47	126338710	1117462
Chrysene-d12-ISTD	2294551	MS	21.41	21.41	21.35	21.47	126338711	1117462
Chrysene-d12-ISTD	2294551	MSD	21.41	21.41	21.35	21.47	126338712	1117462
Naphthalene-d8-ISTD	2294551	Unknown	11.32	11.32	11.26	11.38	126338710	1117462
Naphthalene-d8-ISTD	2294551	MS	11.33	11.32	11.26	11.38	126338711	1117462
Naphthalene-d8-ISTD	2294551	MSD	11.32	11.32	11.26	11.38	126338712	1117462
Perylene-d12-ISTD	2294551	Unknown	23.66	23.66	23.60	23.72	126338710	1117462
Perylene-d12-ISTD	2294551	MS	23.66	23.66	23.60	23.72	126338711	1117462
Perylene-d12-ISTD	2294551	MSD	23.66	23.66	23.60	23.72	126338712	1117462
Phenanthrene-d10-ISTD	2294551	Unknown	17.81	17.82	17.76	17.88	126338710	1117462
Phenanthrene-d10-ISTD	2294551	MS	17.82	17.82	17.76	17.88	126338711	1117462
Phenanthrene-d10-ISTD	2294551	MSD	17.82	17.82	17.76	17.88	126338712	1117462

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,2,4-Trichlorobenzene	1117462	722	701	832	22.6 - 137	86.7	84.2	ug/kg	2.93	30.0
1,2-DPH (as azobenzene)	1117462	797	784	832	38.7 - 133	95.7	94.2	ug/kg	1.58	30.0
2,4,6-Trichlorophenol	1117462	859	846	832	38.0 - 124	103	102	ug/kg	0.976	30.0
2,4-Dichlorophenol	1117462	789	794	832	38.2 - 127	94.8	95.4	ug/kg	0.631	30.0
2,4-Dimethylphenol	1117462	277	90.9	832	0.100 - 122	33.3	10.9	ug/kg	101 *	30.0
2,4-Dinitrophenol	1117462	645	591	832	1.21 - 129	77.5	71.0	ug/kg	8.75	30.0
2,4-Dinitrotoluene	1117462	744	755	832	30.8 - 146	89.4	90.7	ug/kg	1.44	30.0
2,6-Dinitrotoluene	1117462	834	862	832	40.1 - 133	100	104	ug/kg	3.92	30.0
2-Chloronaphthalene	1117462	757	757	832	34.9 - 128	90.9	90.9	ug/kg	0	30.0
2-Chlorophenol	1117462	763	765	832	36.7 - 125	91.7	91.9	ug/kg	0.218	30.0
2-Nitrophenol	1117462	753	781	832	35.2 - 122	90.5	93.8	ug/kg	3.58	30.0
3,3'-Dichlorobenzidine	1117462	191	241	832	0.100 - 114	22.9	28.9	ug/kg	23.2	30.0
4,6-Dinitro-2-methylphenol	1117462	763	694	832	14.9 - 133	91.7	83.4	ug/kg	9.48	30.0
4-Bromophenyl phenyl ether	1117462	828	767	832	47.0 - 123	99.5	92.1	ug/kg	7.72	30.0
4-Chlorophenyl phenyl ethe	1117462	817	837	832	46.8 - 126	98.1	101	ug/kg	2.91	30.0
4-Nitrophenol	1117462	834	851	832	0.100 - 167	100	102	ug/kg	1.98	30.0

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1101253

Printed 05/15/2024

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Acenaphthene	1117462	737	735	825	35.0 - 131	89.3	89.1	ug/kg	0.224	30.0
Acenaphthylene	1117462	673	692	825	40.5 - 114	81.6	83.9	ug/kg	2.78	30.0
Anthracene	1117462	713	701	825	39.4 - 122	86.4	85.0	ug/kg	1.63	30.0
Benzidine	1117462	10.3	11.0	832	0.100 - 60.8	1.24	1.32	ug/kg	6.25	30.0
Benzo(a)anthracene	1117462	800	769	825	43.1 - 125	97.0	93.2	ug/kg	4.00	30.0
Benzo(a)pyrene	1117462	863	815	825	40.0 - 127	105	98.8	ug/kg	6.08	30.0
Benzo(b)fluoranthene	1117462	932	916	825	38.6 - 138	113	111	ug/kg	1.79	30.0
Benzo(ghi)perylene	1117462	931	816	825	31.2 - 143	113	98.9	ug/kg	13.3	30.0
Benzo(k)fluoranthene	1117462	926	912	825	40.4 - 144	112	111	ug/kg	0.897	30.0
Benzyl Butyl phthalate	1117462	1090	1140	825	0.100 - 216	132	138	ug/kg	4.44	30.0
Bis(2-chloroethoxy)methane	1117462	743	754	832	42.6 - 123	89.2	90.6	ug/kg	1.56	30.0
Bis(2-chloroethyl)ether	1117462	718	726	832	17.1 - 138	86.2	87.2	ug/kg	1.15	30.0
Bis(2-chloroisopropyl)ether	1117462	709	699	832	30.3 - 137	85.2	84.0	ug/kg	1.42	30.0
Bis(2-ethylhexyl)phthalate	1117462	862	815	832	32.0 - 158	104	97.9	ug/kg	6.04	30.0
Chrysene (Benzo(a)phenanthrene)	1117462	861	835	825	46.2 - 125	104	101	ug/kg	2.93	30.0
Dibenz(a,h)anthracene	1117462	879	760	825	37.6 - 135	107	92.1	ug/kg	15.0	30.0
Diethyl phthalate	1117462	835	825	825	33.1 - 139	101	100	ug/kg	0.995	30.0
Dimethyl phthalate	1117462	818	812	832	11.8 - 145	98.3	97.5	ug/kg	0.817	30.0
Di-n-butylphthalate	1117462	932	932	825	28.7 - 168	113	113	ug/kg	0	30.0
Di-n-octylphthalate	1117462	959	992	832	17.6 - 166	115	119	ug/kg	3.42	30.0
Fluoranthene(Benzo(j,k)fluorene)	1117462	848	853	825	39.5 - 143	103	103	ug/kg	0	30.0
Fluorene	1117462	725	750	825	46.3 - 129	87.9	90.9	ug/kg	3.36	30.0
Hexachlorobenzene	1117462	768	740	832	46.2 - 125	92.3	88.9	ug/kg	3.75	30.0
Hexachlorobutadiene	1117462	707	708	832	24.5 - 131	84.9	85.0	ug/kg	0.118	30.0
Hexachlorocyclopentadiene	1117462	112	490	832	0.100 - 132	13.5	58.9	ug/kg	125 *	30.0
Hexachloroethane	1117462	647	608	832	27.2 - 125	77.7	73.0	ug/kg	6.24	30.0
Indeno(1,2,3-cd)pyrene	1117462	862	789	825	35.6 - 137	104	95.6	ug/kg	8.42	30.0
Isophorone	1117462	753	768	832	41.8 - 124	90.5	92.3	ug/kg	1.97	30.0
Naphthalene	1117462	709	710	825	40.4 - 121	85.9	86.1	ug/kg	0.233	30.0
Nitrobenzene	1117462	740	741	832	38.3 - 124	88.9	89.0	ug/kg	0.112	30.0
N-Nitrosodimethylamine	1117462	669	646	832	0.100 - 203	80.4	77.6	ug/kg	3.54	30.0
N-Nitrosodi-n-propylamine	1117462	690	715	832	22.8 - 155	82.9	85.9	ug/kg	3.55	30.0
N-Nitrosodiphenylamine (as DPA	1117462	744	685	832	41.4 - 125	89.4	82.3	ug/kg	8.27	30.0
p-Chloro-m-Cresol (4-Chloro-3-me	1117462	742	698	832	35.8 - 136	89.1	83.8	ug/kg	6.13	30.0
Pentachlorophenol	1117462	720	714	832	10.7 - 140	86.5	85.8	ug/kg	0.813	30.0
Phenanthrene	1117462	773	759	825	43.0 - 131	93.7	92.0	ug/kg	1.83	30.0
Phenol	1117462	814	802	832	8.87 - 139	97.8	96.3	ug/kg	1.55	30.0
Pyrene	1117462	892	915	825	22.2 - 149	108	111	ug/kg	2.74	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
1,2,4-Trichlorobenzene	2294551	2180	1320	24.7	2510	0.100 - 196	86.2	51.8	ug/kg	49.8 *	30.0
1,2-DPH (as azobenzene)	2294551	3070	1800	24.7	2510	0.100 - 217	122	71.0	ug/kg	52.7 *	30.0
2,4,6-Trichlorophenol	2294551	2840	1850	ND	2510	0.100 - 190	114	74.0	ug/kg	42.2 *	30.0
2,4-Dichlorophenol	2294551	2610	1660	ND	2510	0.100 - 197	104	66.4	ug/kg	44.5 *	30.0

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1101253

Printed 05/15/2024

MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
2,4-Dimethylphenol	2294551	2440	1520	24.7	2510	0.100 - 178	96.6	59.8	ug/kg	47.1 *	30.0
2,4-Dinitrophenol	2294551	2020	1300	129	2510	0.100 - 137	75.6	46.8	ug/kg	47.0 *	30.0
2,4-Dinitrotoluene	2294551	2070	1300	ND	2510	0.100 - 193	82.8	52.0	ug/kg	45.7 *	30.0
2,6-Dinitrotoluene	2294551	2420	1490	ND	2510	0.100 - 206	96.8	59.6	ug/kg	47.6 *	30.0
2-Chloronaphthalene	2294551	2820	1700	24.7	2510	0.100 - 200	112	67.0	ug/kg	50.1 *	30.0
2-Chlorophenol	2294551	2590	1680	ND	2510	0.100 - 171	104	67.2	ug/kg	42.6 *	30.0
2-Nitrophenol	2294551	2480	1520	ND	2510	0.100 - 194	99.2	60.8	ug/kg	48.0 *	30.0
3,3'-Dichlorobenzidine	2294551	191	199	24.7	2510	0.100 - 91.6	6.65	6.97	ug/kg	4.70	30.0
4,6-Dinitro-2-methylphenol	2294551	2860	1500	ND	2510	0.100 - 148	114	60.0	ug/kg	62.4 *	30.0
4-Bromophenyl phenyl ether	2294551	3340	1900	24.7	2510	0.100 - 206	133	75.0	ug/kg	55.5 *	30.0
4-Chlorophenyl phenyl ethe	2294551	2450	1620	ND	2510	0.100 - 211	98.0	64.8	ug/kg	40.8 *	30.0
4-Nitrophenol	2294551	1600	1360	220	2510	0.100 - 214	55.2	45.6	ug/kg	19.0	30.0
Acenaphthene	2294551	2210	1440	24.7	2510	0.100 - 189	87.4	56.6	ug/kg	42.8 *	30.0
Acenaphthylene	2294551	2110	1350	ND	2510	0.100 - 174	84.4	54.0	ug/kg	43.9 *	30.0
Anthracene	2294551	2060	1360	ND	2510	0.100 - 182	82.4	54.4	ug/kg	40.9 *	30.0
Benzidine	2294551	38.9	39.1	ND	2510	0.100 - 46.0	1.56	1.56	ug/kg	0.513	30.0
Benzo(a)anthracene	2294551	2500	1580	50.6	2510	0.100 - 195	98.0	61.2	ug/kg	46.2 *	30.0
Benzo(a)pyrene	2294551	2420	1620	ND	2510	0.100 - 187	96.8	64.8	ug/kg	39.6 *	30.0
Benzo(b)fluoranthene	2294551	1920	1370	ND	2510	0.100 - 208	76.8	54.8	ug/kg	33.4 *	30.0
Benzo(ghi)perylene	2294551	4070	2780	ND	2510	0.100 - 190	163	111	ug/kg	37.7 *	30.0
Benzo(k)fluoranthene	2294551	2440	1390	ND	2510	0.100 - 221	97.6	55.6	ug/kg	54.8 *	30.0
Benzyl Butyl phthalate	2294551	2240	1520	ND	2510	0.100 - 250	89.6	60.8	ug/kg	38.3 *	30.0
Bis(2-chloroethoxy)methane	2294551	2260	1490	24.7	2510	0.100 - 206	89.4	58.6	ug/kg	41.6 *	30.0
Bis(2-chloroethyl)ether	2294551	2170	1400	24.7	2510	0.100 - 204	85.8	55.0	ug/kg	43.7 *	30.0
Bis(2-chloroisopropyl)ether	2294551	3960	1130	ND	2510	0.100 - 210	158	45.2	ug/kg	111 *	30.0
Bis(2-ethylhexyl)phthalate	2294551	2720	1910	226	2510	0.100 - 230	99.8	67.4	ug/kg	38.8 *	30.0
Chrysene (Benzo(a)phenanthrene)	2294551	2710	1710	54.6	2510	0.100 - 189	106	66.2	ug/kg	46.4 *	30.0
Dibenz(a,h)anthracene	2294551	4170	2790	ND	2510	0.100 - 184	167	112	ug/kg	39.7 *	30.0
Diethyl phthalate	2294551	2020	1340	ND	2510	0.100 - 213	80.8	53.6	ug/kg	40.5 *	30.0
Dimethyl phthalate	2294551	2330	1520	24.7	2510	0.100 - 202	92.2	59.8	ug/kg	42.6 *	30.0
Di-n-butylphthalate	2294551	1590	1230	ND	2510	0.100 - 181	63.6	49.2	ug/kg	25.5	30.0
Di-n-octylphthalate	2294551	1540	971	ND	2510	0.100 - 286	61.6	38.8	ug/kg	45.3 *	30.0
Fluoranthene(Benzo(j,k)fluorene)	2294551	1330	911	ND	2510	0.100 - 213	53.2	36.4	ug/kg	37.4 *	30.0
Fluorene	2294551	2080	1380	ND	2510	0.100 - 202	83.2	55.2	ug/kg	40.5 *	30.0
Hexachlorobenzene	2294551	3020	1810	24.7	2510	0.100 - 204	120	71.4	ug/kg	50.6 *	30.0
Hexachlorobutadiene	2294551	2160	1120	24.7	2510	0.100 - 194	85.4	43.8	ug/kg	64.4 *	30.0
Hexachlorocyclopentadiene	2294551	277	73.1	ND	2510	0.100 - 153	11.1	2.92	ug/kg	116 *	30.0
Hexachloroethane	2294551	1940	850	24.7	2510	0.100 - 181	76.6	33.0	ug/kg	79.5 *	30.0
Indeno(1,2,3-cd)pyrene	2294551	4350	2770	ND	2510	0.100 - 183	174	111	ug/kg	44.4 *	30.0
Isophorone	2294551	2150	1370	24.7	2510	0.100 - 209	85.0	53.8	ug/kg	44.9 *	30.0
Naphthalene	2294551	2220	1330	ND	2510	0.100 - 220	88.8	53.2	ug/kg	50.1 *	30.0
Nitrobenzene	2294551	2260	1390	ND	2510	0.100 - 202	90.4	55.6	ug/kg	47.7 *	30.0
N-Nitrosodimethylamine	2294551	1640	1440	ND	2510	0.100 - 307	65.6	57.6	ug/kg	13.0	30.0
N-Nitrosodi-n-propylamine	2294551	1660	1350	8.66	2510	0.100 - 234	66.1	53.7	ug/kg	20.7	30.0
N-Nitrosodiphenylamine (as DPA	2294551	3000	1720	ND	2510	0.100 - 191	120	68.8	ug/kg	54.2 *	30.0

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1101253

Printed 05/15/2024

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
p-Chloro-m-Cresol (4-Chloro-3-me	2294551	2320	1470	ND	2510	0.100 - 199	92.8	58.8	ug/kg	44.9 *	30.0
Pentachlorophenol	2294551	1750	1200	94.9	2510	0.100 - 189	66.2	44.2	ug/kg	39.9 *	30.0
Phenanthrene	2294551	2280	1490	ND	2510	0.100 - 209	91.2	59.6	ug/kg	41.9 *	30.0
Phenol	2294551	3600	2190	363	2510	0.100 - 170	129	73.1	ug/kg	55.7 *	30.0
Pyrene	2294551	3690	2580	180	2510	0.100 - 259	140	96.0	ug/kg	37.6 *	30.0

SPCC

Parameter	Sample	RF	Minimum	File
2,4-Dinitrophenol	624029	47000	0.050	126338706
4-Nitrophenol	624029	49500	0.050	126338706
Hexachlorocyclopentadiene	624029	50500	0.050	126338706
N-Nitrosodi-n-propylamine	624029	45900	0.050	126338706

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4,6-Tribromophenol	624029	CCV	48100	100000	ug/kg	48.1	26.8 - 124	126338706
2-Fluorobiphenyl-SURR	624029	CCV	48500	50000	ug/kg	97.0	22.1 - 97.9	126338706
2-Fluorophenol-SURR	624029	CCV	49000	100000	ug/kg	49.0	0.100 - 122	126338706
4-Terphenyl-d14-SURR	624029	CCV	48600	50000	ug/kg	97.2	23.6 - 108	126338706
Nitrobenzene-d5-SURR	624029	CCV	48500	50000	ug/kg	97.0 *	26.7 - 96.2	126338706
Phenol-d6-SURR	624029	CCV	47900	100000	ug/kg	47.9	0.100 - 127	126338706
2,4,6-Tribromophenol	1117462	Blank	1070	3330	ug/kg	32.1	26.8 - 124	126338707
2,4,6-Tribromophenol	1117462	LCS	3570	3330	ug/kg	107	26.8 - 124	126338708
2,4,6-Tribromophenol	1117462	LCS Dup	3380	3330	ug/kg	102	26.8 - 124	126338709
2-Fluorobiphenyl-SURR	1117462	Blank	45600	50000	ug/kg	91.2	22.1 - 97.9	126338707
2-Fluorobiphenyl-SURR	1117462	LCS	42000	50000	ug/kg	84.0	22.1 - 97.9	126338708
2-Fluorobiphenyl-SURR	1117462	LCS Dup	41400	50000	ug/kg	82.8	22.1 - 97.9	126338709
2-Fluorophenol-SURR	1117462	Blank	62600	100000	ug/kg	62.6	0.100 - 122	126338707
2-Fluorophenol-SURR	1117462	LCS	132000	100000	ug/kg	132 *	0.100 - 122	126338708
2-Fluorophenol-SURR	1117462	LCS Dup	131000	100000	ug/kg	131 *	0.100 - 122	126338709
4-Terphenyl-d14-SURR	1117462	Blank	37800	50000	ug/kg	75.6	23.6 - 108	126338707
4-Terphenyl-d14-SURR	1117462	LCS	43400	50000	ug/kg	86.8	23.6 - 108	126338708
4-Terphenyl-d14-SURR	1117462	LCS Dup	43600	50000	ug/kg	87.2	23.6 - 108	126338709
Nitrobenzene-d5-SURR	1117462	Blank	37000	50000	ug/kg	74.0	26.7 - 96.2	126338707
Nitrobenzene-d5-SURR	1117462	LCS	40000	50000	ug/kg	80.0	26.7 - 96.2	126338708
Nitrobenzene-d5-SURR	1117462	LCS Dup	40400	50000	ug/kg	80.8	26.7 - 96.2	126338709
Phenol-d6-SURR	1117462	Blank	76800	100000	ug/kg	76.8	0.100 - 127	126338707
Phenol-d6-SURR	1117462	LCS	121000	100000	ug/kg	121	0.100 - 127	126338708
Phenol-d6-SURR	1117462	LCS Dup	122000	100000	ug/kg	122	0.100 - 127	126338709
2,4,6-Tribromophenol	2294551	Unknown	2790	3330	ug/kg	83.8	26.8 - 124	126338710
2,4,6-Tribromophenol	2294551	MS	9870	9980	ug/kg	98.9	26.8 - 124	126338711
2,4,6-Tribromophenol	2294551	MSD	7090	10000	ug/kg	70.9	26.8 - 124	126338712
2-Fluorobiphenyl-SURR	2294551	Unknown	1590	1670	ug/kg	95.2	22.1 - 97.9	126338710
2-Fluorobiphenyl-SURR	2294551	MS	4620	4990	ug/kg	92.6	22.1 - 97.9	126338711
2-Fluorobiphenyl-SURR	2294551	MSD	2830	5010	ug/kg	56.5	22.1 - 97.9	126338712

QUALITY CONTROL

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1101253

Printed 05/15/2024

Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
2-Fluorophenol-SURR	2294551	Unknown	4500	3330	ug/kg	135 *	0.100 - 122	126338710
2-Fluorophenol-SURR	2294551	MS	17500	9980	ug/kg	175 *	0.100 - 122	126338711
2-Fluorophenol-SURR	2294551	MSD	10600	10000	ug/kg	106	0.100 - 122	126338712
4-Terphenyl-d14-SURR	2294551	Unknown	1720	1670	ug/kg	103	23.6 - 108	126338710
4-Terphenyl-d14-SURR	2294551	MS	5140	4990	ug/kg	103	23.6 - 108	126338711
4-Terphenyl-d14-SURR	2294551	MSD	3560	5010	ug/kg	71.1	23.6 - 108	126338712
Nitrobenzene-d5-SURR	2294551	Unknown	1580	1670	ug/kg	94.6	26.7 - 96.2	126338710
Nitrobenzene-d5-SURR	2294551	MS	4250	4990	ug/kg	85.2	26.7 - 96.2	126338711
Nitrobenzene-d5-SURR	2294551	MSD	2580	5010	ug/kg	51.5	26.7 - 96.2	126338712
Phenol-d6-SURR	2294551	Unknown	3550	3330	ug/kg	107	0.100 - 127	126338710
Phenol-d6-SURR	2294551	MS	14000	9980	ug/kg	140 *	0.100 - 127	126338711
Phenol-d6-SURR	2294551	MSD	8690	10000	ug/kg	86.9	0.100 - 127	126338712

* 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); MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); ICV - Initial Calibration Verification; LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); CCC - Calibration Check Compound; BFB - Bromofluorobenzene, GC/MS Tuning Compound (mass intensity used as tuning acceptance criteria.); Surrogate - Surrogate (mimics the analyte of interest but is unlikely to be found in environmental samples; added to analytical samples for QC purposes. **ANSI/ASQC E4 1994 Ref #4 TRADE QA Resources Guide.); IS Areas - Internal Standard Area (The area of the internal stadard relative to a check standard Internal Standard is a known concentration of an analyte(s) that is not a sample component or standard that is added to the sample and standard and is used to measure the relative responses of other analytes in the same sample or standard.); IS RetTime - Internal Standard Retention Time (the time the internal standard comes off the column Internal Stardard is a known concentration of an analyte(s) that is not a sample component or standard that is added to the sample and standard and is used to measure the relative responses of other analytes in the same sample or standard.); LDR - Linear Dynamic Range Standard; MS - Matrix Spike (same solution and amount of target analyte added to the LCS is added to a second aliquot of sample; quantifies matrix bias.); DFTPP - GC/MS Tuning Compound

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

CHAIN OF CUSTODY

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

ODES-W
110

Lab Number 2294549

PO Number

30 TAC 307 Sludge

Hand Delivered by Client to Region of LAB

✓

Matrix Solid & Chemical Materials

Sample Collection Start

Date: ______________ **Time:** ______________

Sampler Printed Name: ______________

Sampler Affiliation: ______________

Sampler Signature: ______________

See Sampling Record

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

1 **On Site Testing**

ClCk	Field Cl2 Check for CNs	
S2Ck	Field Sulfide Check for CNs	

9 Belt Press

9 **Glass 4 oz w/Teflon lined lid**

NT 10	FIS	Fluoride (water extractable)	EPA 9056 (28.0 days)

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Office: 903 984 0551 * Fax: 903 984 5914

CHAIN OF CUSTODY

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

ODES-W
110

	IHER	Herbicides by GC	EPA 8151A (7.00 days)
	IN3S	Nitrate-Nitrogen	EPA 9056 CAS:14797-55-8 (28.0 days)
	*AIM	Aluminum, Total	EPA 6020A CAS:7429-90-5 (180 days)
	*BaM	Barium, Total	EPA 6020A CAS:7440-39-3 (180 days)
	301S	Solid Metals Digestion	EPA 200.2 2.8 (180 days)
	CNa	Cyanide, total	EPA 9014 (14.0 days)
	CN-A	Cyanide - Available/Amenable	EPA 9014 (14.0 days)
	CNCl	Cyanide After Chlorination	EPA 9014 (14.0 days)
	EXC6	Hexavalent Chromium Water Extr.	Ana-Lab (28.0 days)
	HXPE	Hexachlorophene Expansion	EPA 8321B CAS:70-30-4 (7.00 days)
	TACC	30 TAC 307 Pesticides	EPA 8081A (7.00 days)
	TACP	30 TAC 307 Organophosphorous	EPA 8141A (7.00 days)
	TACS	30 TAC 307 Semivolatiles	EPA 8270C (7.00 days)
	TS%	Total Solids for Dry Wt Conversi	SM2540 G-1997 /MOD
	TYLC	Carbaryl/Diuron	EPA 8321B (7.00 days)
	WCr6	Hexavalent Cr(water extractable)	EPA 7196A (28.0 days)

0 **Z – No bottle required**

	ARDW	As Received to Dry Weight Basis	Calculation

2 Bott Press **2** **5035 Sampling Kit/w/stirbar** sub. 4oz Jar

Short Hold	SAAE	Acrolein/Acrylonitrile Exp.	EPA 8260B (3.00 days)
Short Hold	TACV	30 TAC 307 Volatiles	EPA 8260B (3.00 days)

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Office: 903 984 0551 * Fax: 903 984 5914

CHAIN OF CUSTODY

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

ODES-W
110

Date Time	Relinquished		Date Time	Received	
	Printed Name	Affiliation		Printed Name	Affiliation
4-29-24 9:49	Marvel Armomar	DWP	4-29-24 09:49	Irene Vasquez	City of Odessa LAB
	Signature			Signature	
4-29-24 10:16	Irene Vasquez	City of Odessa LAB	4/29/24	Jason Wells	Odessa Lab
	Signature			Signature: Jason Wells	
4/29/24 2:23PM	Jason Wells	Odessa Lab		FedEx	
	Signature: Jason Wells			Signature	
4/30/24 1030	FedEx		4/30/24 1030	Kathy Tarver SPL, Inc.	
	Signature			Signature	

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

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

Comments Requesting 2 week turnaround time! Need report by 5/14/24!
Sludge only

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

CHAIN OF CUSTODY

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

ODES -W
130

Lab Number 2294551

PO Number

wastewater table II annual slu

Hand Delivered by Client to Regional LAB

✓

Matrix: Solid & Chemical Materials

Sample Collection Start

Date: ______ **Time:** ______

Sampler Printed Name: ______

Sampler Affiliation: ______

Sampler Signature: ______

See Sampling Record

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

4 BeltPress | **4** | **Glass 4 oz w/Teflon lined lid**

		IODP	Pesticides (ODES)	EPA 8081A (7.00 days)
		IPCB	Polychlorinated Biphenyls	EPA 8082 (7.00 days)
		2378	2,3,7,8-TCDD Scan	EPA 8270C (7.00 days)
		TS%	Total Solids for Dry Wt Conversi	SM2540 G-1997 /MOD
		TTOS	TTO SVOC 40 CFR 122 Table II	EPA 8270C (7.00 days)

0 | **Z -- No bottle required**

		ARDW	As Received to Dry Weight Basis	Calculation

2 BeltPress | **2** | **5035 Sampling Kit/w/stirbar** sub 9 oz Jar

	Short Hold	$AAB	Acrolein/Acrylonitrile Exp	EPA 8260B (3.00 days)
	Short Hold	$ODV	TTO - VOC (ODES)	EPA 8260B (3.00 days)

Ambient Conditions Comments

West Texas-Abilene: 521 S Access Rd W STE 105 Clyde TX 79510

1101253 CoC Print Group 001 of 002

2000 Dudley Rd Kilgore, Texas 75662
Office: 903 984 0551 * Fax: 903 984 5914

CHAIN OF CUSTODY

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

ODES-W
S4

Lab Number 2294552

PO Number

Sludge Table III

Hand Delivered by Client to Region or LAB

✓

Matrix: Solid & Chemical Materials

Sample Collection Start

Date: _____ Time: _____

See Sampling Record

Sampler Printed Name: _____

Sampler Affiliation: _____

Sampler Signature: _____

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

1	**On Site Testing**		
	ClCk	Field Cl2 Check for CNs	
	S2Ck	Field Sulfide Check for CNs	
3 Bottles	3	**Glass 4 oz w/Teflon lined lid**	
	*AgM	Silver, Total	EPA 6020A CAS:7440-22-4 (180 days)

1101253 CoC Print Group 001 of 002

CHAIN OF CUSTODY

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

ODES-W
S4

Date Time	Relinquished		Date Time	Received	
04-29-24 09:49	Printed Name: manuel montoya	Affiliation: DWEP	4-29-24 09:49	Printed Name: Irene Vasquez	Affiliation: City of Odessa Lab
4-29-24 10:16	Printed Name: Irene Vasquez	Affiliation: City of Odessa Lab	4/29/24 10:16	Printed Name: Jason Wells	Affiliation: Odessa Lab
4/29/24 2:23PM	Printed Name: Jason Wells	Affiliation: Odessa Lab		Printed Name: FedEx	Affiliation:
4/30/24 1030	Printed Name: FedEx	Affiliation:	4/30/24 1030	Printed Name: Kathy Tarver SPL, Inc.	Affiliation:

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

Comments: Requesting 2 week turnaround time! Need report by 5/14/24! Sludge only.

1101253 CoC Print Group 001 of 002

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

CHAIN OF CUSTODY

Printed 02/12/2024 Page 1 of 2

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

ODES-W
106

Lab Number 2294553
PO Number Mandatory 22201773 - 01
Phone 432/368-3536

Belt Press Sludge Annual

☑ Hand Delivered by Client to Region or LAB

Matrix: Solid & Chemical Materials

Sample Collection Start
Date: _____ Time: _____ See Sampling Record
Sampler Printed Name: _____
Sampler Affiliation: _____
Sampler Signature: _____

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

2 Belt Press [2] Glass Qt w/Teflon lined lid

NELAC	*AgT	TCLP Silver	EPA 6020A CAS:7440-22-4 (14.0 days)
NELAC	*AsT	TCLP Arsenic	EPA 6020A CAS:7440-38-2 (14.0 days)
NELAC	*BaT	TCLP Barium	EPA 6020A CAS:7440-39-3 (14.0 days)
NELAC	*CdT	TCLP Cadmium	EPA 6020A CAS:7440-43-9 (14.0 days)
NELAC	*CrT	TCLP Chromium	EPA 6020A CAS:7440-47-3 (14.0 days)
NELAC	*HgT	TCLP Mercury	EPA 7470 A CAS:7439-97-6 (14.0 days)
NELAC	*PbT	TCLP Lead	EPA 6020A CAS:7439-92-1 (14.0 days)
NELAC	*SeT	TCLP Selenium	EPA 6020A CAS:7782-49-2 (14.0 days)
NELAC	*TCL	TCLP Extraction Non-Volatile	EPA 1311 (14.0 days)
NELAC	TABN	MS TCLP Semivolatile Analysis	EPA 8270C (7.00 days)
NELAC	TG50	GC TCLP Herbicide	EPA 8151 (7.00 days)
NELAC	TG80	GC TCLP Pesticide	EPA 8081A (7.00 days)
NELAC	TVOA	MS TCLP Volatile Analysis	EPA 8260B (14.0 days)
NELAC	TVOX	TCLP Extraction ZHE Volatiles	EPA 1311ZHE (14.0 days)

~~1 Glass 4 oz w/Teflon lined lid~~

West Texas-Abilene: 521 S Access Rd W STE 105 Clyde TX 79510

1101253 CoC Print Group 001 of 002

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

CHAIN OF CUSTODY

Printed 02/12/2024 Page 2 of 2

City of Odessa
Jason Wells
827 West 42nd St.
Odessa, TX 79764

ODES-W
106

NELAC	*MoM	Molybdenum, Total	EPA 6020A CAS:7439-98-7 (180 days)
NELAC	3013	Solid Metals Digestion	EPA 200.2 2.8 (180 days)
NELAC	TS%	Total Solids for Dry Wt Conversi	SM2540 G-1997 /MOD

0 Z – No bottle required

ARDW As Received to Dry Weight Basis Calculation

Ambient Conditions/Comments

Date	Time	Relinquished		Received	
4-29-24	9:51	Printed Name: Manuel Amontaya Affiliation: DWRP Signature		Printed Name: Irene Vasquez Affiliation: Cityofodessa.com Signature	
4-29-24	10:16	Printed Name: Irene Vasquez Affiliation: Cityofodessa.com Signature		Printed Name: Jason Wells Affiliation: Odessa Lab Signature	
4/30/24	2:23PM	Printed Name: Jason Wells Affiliation: Odessa Lab Signature		Printed Name: FedEx Affiliation: Signature	
4/30/24	1030	Printed Name: FedEx Affiliation: Signature		Printed Name: Kathy Tarver SPL, Inc. Affiliation: Signature	

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

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

Comments

Requesting 2 week turn around time! Need report by 5/14/24!
Sludge only.

1101253 CoC Print Group 002 of 002

City of Odessa
Laboratory Services

Priority Pollutants Sampling Record

Date of Collection: Friday April 26, 2024

Location: Belt Press

Sample #	Time	Grabs	Flow	pH	ml Sample	Analyst
1	0200					MM
2	0400					MM
3	0600					MM
4	0800					MD
5	1000					MD
6	1200					MD
7	1400					MD
8	1600					
9	1800					
10	2000					
11	2200					
12	0000					

Grab samples indicated by XX for: _____

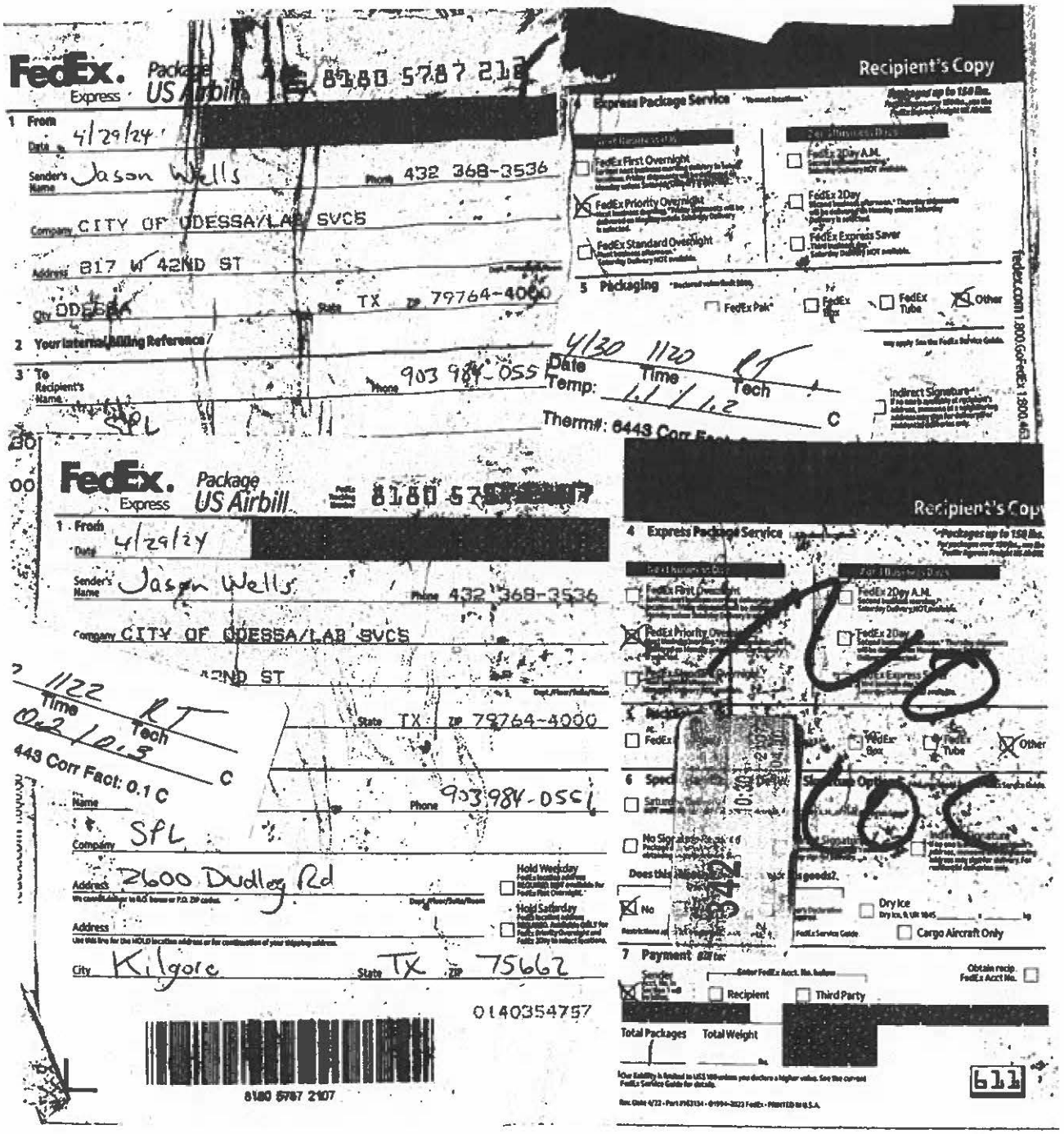
_____

_____

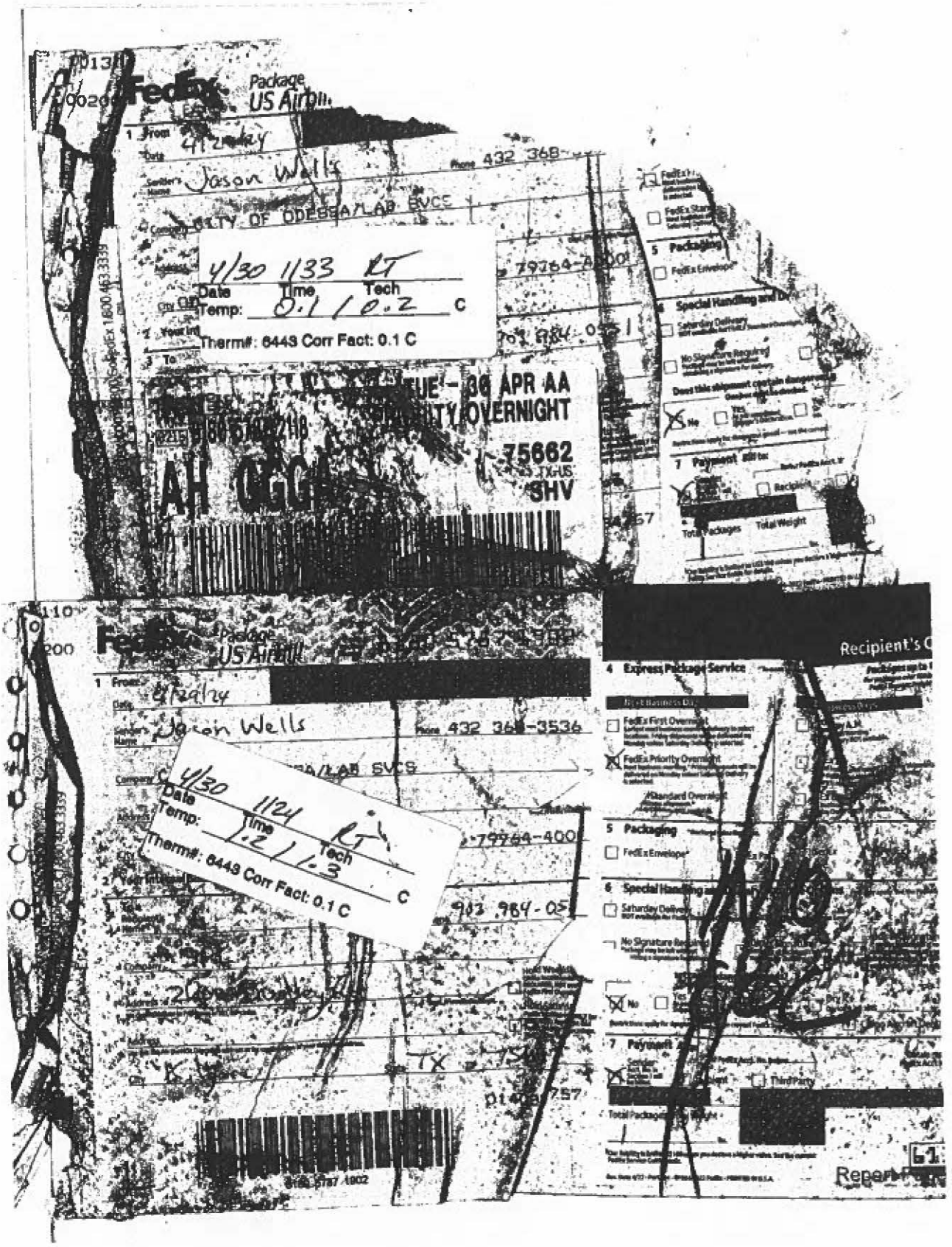
_____

mL for Composite portion = _____ X Flow

1101253 CoC Print Group 002 of 002



1101253 CoC Print Group 002 of 002



ATTACHMENT J

EFFLUENT PARAMETERS ABOVE MAL

DOMESTIC TECHNICAL REPORT WORKSHEET 6.0

SECTION 2(C), PAGE 60

Pollutants Detected Above MAL

Date	Pollutant	Result (ug/L)	MAL (ug/L)
1/28/2022	Arsenic	2.57	0.5
	Copper	4.92	2
	Nickel	2.54	2
	Zinc	38.0	5
	Molybdenum	6.58	1
4/28/2022	Fluoride	1170	500
	Nitrate-Nitrogen	1610	100
	Bromodichloromethane	24.0	10
	Bromoform	36.8	10
	Chloroform	12.7	10
	Dibromochlormethane	49.4	10
	TTHM	122.9	10
4/30/2022	Arsenic	1.40	0.5
	Chromium	4.70	3
	Copper	2.20	2
	Molybdenum	8.40	1
	Zinc	25.2	5
	4,4-DDT	0.030	0.02
	Aldrin	0.011	0.01
	Aluminum	32.0	2.5
	Barium	137	3
7/31/2022	Arsenic	1.45	0.5
	Copper	2.21	2
	Molybdenum	11.0	1
	Zinc	28.1	5
10/23/2022	Zinc	42.5	5
	Arsenic	1.56	0.5
	Molybdenum	5.96	1
1/27/2023	Copper	2.08	2
	Molybdenum	7.98	1
	Arsenic	1.06	0.5
	Zinc	24.3	5
4/20/2023	Flouride	1380	500
	Nitrate-Nitrogen	4220	100
	Bromodichloromethane	10.6	10
	Bromoform	10.2	10
	Dibromochlormethane	17.3	10
	TTHM	43.26	10

4/23/2024	Molybdenum	11.6	1
	Aluminum	21.6	2.5
	Barium	89.3	3
	Cyanide, Total	13.4	10
	Cyanide, After Chlorination	15.2	10
	Arsenic	3.13	0.5
	Zinc	33.7	5
7/21/2023	Arsenic	2.69	0.5
	Copper	2.08	2
	Molybdenum	11.8	1
10/22/2023	Arsenic	2.63	0.5
	Copper	3.05	2
	Molybdenum	8.65	1
	Zinc	23.3	5
	Phenolics	19.0	10
	Cyanide, Total	11.6	10
1/28/2024	Arsenic	1.62	0.5
	Copper	3.58	2
	Nickel	2.86	2
	Zinc	1.62	5
	Molybdenum	7.9	1
	Phenolics	19.0	10
4/25/2024	Fluoride	2090	500
4/30/2024	Arsenic	1.00	0.5
	Molybdenum	11.8	1
	Zinc	19.5	5
	Barium	99.3	3
	Aluminum	32.2	2.5
7/30/2024	Phenolics	27.0	10
	Arsenic	2.47	0.5
	Copper	9.45	2
	Nickel	2.85	2
	Zinc	36.2	5
	Molybdenum	7.68	1
10/20/2024	Molybdenum	5.78	1
	Nickel	2.07	2
	Zinc	2.31	5
	Arsenic	2.01	0.5
	Copper	2.21	2

Phenolics	19.0	10

ATTACHMENT K

SIU AND CIU INFORMATION

DOMESTIC TECHNICAL REPORT WORKSHEET 6.0

SECTION 3, PAGE 74

Fact Sheet

Permit: 00182

Permit Effective Date: 10/08/2023

Permit Expiration Date: 10/08/28

Unifirst Corp.

1520 S. Crane

P.O. Box 1666

Odessa, TX 79760

Contact: Ricardo Salgado

Production Manager

(432) 332-0548

User Classification: Significant Industrial User: (SIU) Based on discharges >25,000 gallons per day process water.

SIC Code: 7218 Industrial Launderers, 7213 Linen Supply, 7211 Power Laundries

Annual Certification Requirement: None

Accidental Spill Prevention Plan: On File
MSDS sheets on file

Confidential Information: None

Employees: 120 Total on Site

Water Usage: This business receives water from the City of Odessa though one meter (Acct. #87433-137780). This Facility uses an average of approximately 104,048 gallons per day.

City water is used for process, sanitary, utilities, and cleaning.

Flow to Sewer: This facility discharges process water from washing and rinsing laundry, sanitary, utility water from boiler and softeners, and cleaning water from general maintenance of floors, etc.

Facility and Process Flow Description: This business is an industrial laundry which cleans mops, linens, wipes, and floor mats. This location houses offices, storage, areas, truck parking and unloading, alterations areas, and laundry area housing washers, dryers, boiler, softeners, pretreatment, sorting racks, etc.

Laundry is received by truck and sorted by types. Laundry is then washed and dried. Products are then hung and pressed, bundled, or folded for storage. Laundry needing repair is repaired. Products are then sorted by customer and returned to the customers by truck.

Water is prepared for use in boiler and softener before using in wash and rinse of products. Wastewater is then treated prior to discharge to the City Collection System.

Pretreatment Facilities: Wastewater from washers discharges to toughs then through screens and a shaker screen to remove solids and large objects (pens, coins, etc.). Water then discharges to sumps #1 and #2 where some settle occurs. Wash water is pumped though the heat exchanger to a 2,500 gallon pH adjustment tank. Water is then pumped though a flocculater where polymer is added to aid floc formation. Wash water is then pumped through three (3) 6,750 gallon equalization/settling tanks. Rinse water is pumped from sump #2 directly to the final equalization/settling tank. Solids are removed from the bottom of tanks for offsite disposal.

Water discharges to City Collection System from final equalization/settling tank.

Discharge Points: Outfall 001 – discharge point for all wash water, rinse water, utility water, boiler blow down, & softener wastewater. This outfall is located outside the west wall of the pretreatment area under a manhole cover.

Outfall 002 – is the discharge point for all sanitary wastes. This outfall is a manhole on City Collection System (24" Line) located by southwest corner of facility.

Description of Discharges: Discharges consist of sanitary, boiler blow down, softener wastewater, cleaning water, and process water form washing and rinsing of products.

Historical Compliance Summary: Business has past violations for metal content (primarily copper). Due to violations, business was issued a compliance schedule too upgrade pretreatment system follow by testing of system.

Pollutants of Concern: Possible pollutants consist of pH BOD/TSS, pH, cyanide, and metals.

Monitoring Requirements: The City of Odessa analyzes the discharge from Outfall 001 twice yearly for BOD/TSS, pH, cyanide, and metals.

Business monitors pH and temperature daily. Business also analyzes for metals and cyanide twice yearly.

Reporting Requirements: Business submits a biannual report in May and November each year. Business also submits non-compliance reports when needed.

Reporting Frequency: Compliance reports submitted biannually.

Justification for Special Permit Conditions (for example, compliances schedules, special testing, or reporting requirements): No compliance schedules currently issued.

Fact Sheet

Permit: 01728

Permit Date: 12/19/2023

Permit Expiration: 12/19/2028

Charles A. Templeton Machine, Inc.

2727 Golder

Odessa, TX 79760

Contact: Howard Blount

General Manager

(432)-332-0359

User Classification:	Categorical User (CU) Based on discharge rinse water from a categorical process. 40 CFR Part 433 Metal Finishing Point Source category (new source).
SIC Code:	3599 Machine Shops 3479 Coating
Annual Certification Requirement:	None
Accidental Spill Prevention Plan:	On File MSDS Sheets on File
Confidential Information:	None
Employees:	9-10 Total on Site
Water Usage:	This business receives water from the City of Odessa through one meter (Acct. #82654-90096). This facility uses approximately 900 gallons per day.

City water is used for process, sanitary, and cleaning.

Flow to Sewer:	This facility discharges process water from Black Oxide coating. This consists of rinse water from the process. Facility also discharges sanitary, RO, and cleaning water from general maintenance, etc.
Facility and Process Flow Description:	This business is a general machine shop doing general machine work. Business does CNC turning and milling, honing, grinding, cutting, welding, and precision machining for the medical, scientific, automotive, and oil industries. Business has now added Black Oxide coating. This location houses offices, storage areas, machine shop, and coating room. Raw material is received and then machined to specifications of customers using the available equipment on site. The finished product is then distributed to the customer. Process water for machining consists of reverse osmosis water for the machine coolants. Process water for the coating process consists of City water passing through rinse tanks prior to discharge to sand trap and then to City of Odessa Collection System.

Process for coating consists of:

- Immerse part in Safe Scrub ST Alkaline detergent cleaner in tank 1 for 5-8 minutes at about 150 degrees Fahrenheit
- Rinse part with City water in Tank 2 for about 20 seconds.
- Immerse part in Oxyprime Base Coat in tank 3 for about 5-8 minutes at room temperature.
- Rinse part with City water in tank 4 for about 20 seconds.
- Immerse part in Tru Temp Black Oxide in tank 5 for 10-12 minutes at about 200-205 degrees Fahrenheit
- Rinse part with City water in tank 6 about 20 seconds.
- Immerse part in Dri Touch Amber IRP 2 Rust preventative in tank 7 for one minute. Allow part to drip dry over tank 7.

Discharge Points: Outfall 002 – Discharge for all categorical rinse water, sanitary, reverse osmosis. and cleaning water. Must comply with all Local & Categorical Limits.

Outfall – 001 discharge point for all categorical rinse water, reverse osmosis, and process water from coating process. Must comply with all Local & Categorical Limits.

Facility has one process line and 2 sanitary lines which combine just prior to discharge the City of Odessa Collection System.

Description of Discharges: Discharges consist of sanitary, reverse osmosis, cleaning water, and process water from coating process.

Historical Compliance Summary: Business has past violations for failure to sample, late submission of permit application, failure to submit slug plan, and failure to report violations, and discharging pH outside range of 5.5-10.5.

Pollutants of Concern: Possible pollutants consist of metals and cyanide.

Monitoring Requirements: The City of Odessa will analyze the process waste stream discharge twice yearly for metals and cyanide from outfalls 001 Must comply with all Local & Categorical Limits.

The City of Odessa will analyze the process waste stream discharge once yearly for Total Toxic Organics (TTO)

The business will monitor outfall 001 twice yearly for metals and cyanide. Business will also monitor pH and temperature each day the system is in operation. Must comply with all Local & Categorical Limits.

Reporting Frequency: Compliance reports are submitted biannually. Justification for Special Permit Conditions (for example, compliance schedules, special testing, or reporting requirements). Business has no compliance schedules at this time.

Fact Sheet

Permit: 00225

Permit Effective Date: 10/08/2023

Permit Expiration Date: 10/08/2028

Aramark Linen & Apparel Service

1201 S. Jackson Ave.

P.O. Box 4337

Odessa, TX 79760

Contact Ray Ramirez

Maintenance Manager

(432)-227-9667

User Classification:		Significant Industrial User (SIU)
SIC Code:	7211	Power laundries based on discharges >25,000 per day of process water.
	7213	Linen Supply
	7218	Industrial Launderers

Annual Certification requirement: None

Accidental Spill Prevention Plan: On File

MSDS on File

Employees: 76 Total on Site

Water Usage: This business receives water from the City of Odessa through two water meters.

Account # 10601-63032 is listed as "Sanitary Lin Serv" at 1201 S. Jackson Ave. Water from this account is used to make up water for process, utilities, & cleaning purposes.

Account # 10601-159950 is listed as "Sanitary Lin Serv" at 1201A S. Jackson Ave. water from this account is used for sanitary use only.

Flow to Sewer: This facility discharges to process water from washing and rinsing laundry, sanitary, utility water from boiler and softeners, non-contact cooling water, and cleaning water from general maintenance of floors, etc.

Facility and Process Flow Description: This facility is an industrial laundry which cleans linens, uniforms, dust mops, shop towels, and floor mats. This facility houses offices, storage areas, truck parking, unloading and loading sites, alterations areas, laundry area housing washers, dryers, boiler, softeners, ironers, steam units, pretreatment, sorting areas, etc.

Dirty laundry is received by truck, sorted by type, and loaded onto trolley system. Laundry is loaded into washer extractors with chemicals, washed, and dumped into bins. Laundry is then dried and processed. Processing consists of: Uniforms-placed on hangers and steamed and pressed; Shop towels – folded and bundled; Floor mats – rolled and tied; Mops – bagged. Clean products are inspected and repaired. Final products are sorted and returned to customers by truck.

Process water is softened then passed through a heat exchanger then stored for use either cold or heated for laundry use. Softened water is heated in a boiler for use in steam system.

Pretreatment Facilities: Wastewater from washers is discharged to floor troughs where larger objects settle out. Water then enters underground tanks where more settling occurs. Water gravity flows through other underground tanks (pits) through metal screens. These tanks are for settling and filtering solids. Acid is added to adjust pH and water is pumped through the heat exchanger for (cooling) to an aboveground settling tank. Water then gravity flows through a sand trap to City of Odessa Collection System.

Discharge Points: Outfall 001 discharge point for non-sanitary wastewater and some sanitary waste. This outfall is located inside fence North of the main building in an open top vault with a grated cover. Outfall 002 is the discharge point for remainder of sanitary wastes from office area. This water combines with all other wastes downstream of outfall 001.

Description of Discharges: Discharges consist of sanitary, boiler blow down, softener wastewater, cleaning water, and process water from washing and rinsing products.

Historical Compliance Summary: Business has had past violations for metals content (primarily copper and zinc) and pH. Business has evaluated its customer base to reduce metals entering plant. Business has also added an acid injection system to assist with pH control. The heat exchanger is used to lower temperature of waste stream.

Pollutants of Concern: Possible pollutants consist of BOD/TSS, pH, cyanide, and metals.

Monitoring Requirements: The City of Odessa analyzes the discharge at Outfall 001 twice yearly for BOD/TSS, metals, cyanide, pH, and temperature. The business monitors pH and temperature daily and analyzes for metals and cyanide twice yearly.

Reporting Requirements: The business submits a biannual compliance report in May and November each year. The business also submits noncompliance reports as needed.

Reporting Frequency: Compliance reports are submitted biannually.

Justification for Special Permit Conditions (for example, compliance schedules, special testing, or reporting requirements): No compliance schedules currently issued.

Domestic Wastewater TPDES Renewal application

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 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

The City of Odessa (CN600338354) operates the Bob Derrington Water Reclamation Plant (RN101614261), an activated sludge process plant operated in the complete mix mode. The facility is located at 9600 South County Rd 1325, near the City of Midland, Midland County, Texas 79766.

This application is for a renewal to discharge treated wastewater at a volume not to exceed an annual average flow of 11,000,000 gallons per day.

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 and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

Solicitud de Renovación de TPDES de Aguas Residuales Domésticas

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

La ciudad de Odessa (CN600338354) opera la planta de recuperación de agua Bob Derrington (RN101614261), una planta de procesamiento de lodos activados operada en modo de mezcla completa. La instalación se encuentra en 9600 South County Road 1325, cerca de la ciudad de Midland, Condado de Midland, Texas 79766.

Esta solicitud es para una renovación para descargar aguas residuales tratadas a un volumen que no exceda un flujo promedio anual de 11,000,000 de galones por día.

Se espera que las descargas de la instalación contengan la demanda de oxígeno bioquímico carbonáceo ($CBOD_5$) durante cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH_5-N) y Escherichia coli. Los contaminantes potenciales adicionales se incluyen en el informe Técnico Domestico 1.0, Sección 7. Análisis de contaminantes de efluentes tratados y hoja de trabajo doméstica 4.0 en el paquete de solicitud de permisos. Las aguas residuales domesticas son tratadas por una planta de proceso de lodo activo y las unidades de tratamiento incluyen una pantalla de barra, cuencas de aireación, clarificadores finales, digestores de lodos, una prensa de filtro de correa, cámaras de contacto con cloro y una cámara de descloracion.

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. WQ0010238002

SOLICITUD. Ciudad de Odessa, P.O. Box 4398, Odessa, Texas 79760 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010238002 (EPA I.D. No. TX 0072800) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 11,000,000 galones por día. La planta está ubicada _en el 9600 South County Road 1325, el la ciudad de Odessa, en el Condado de __Midland, Texas. La ruta de descarga es del sitio de la planta a Monahands Draw, luego a Midland Draw, de ahi sigue a Johnson Draw, a Mustang Draw luego a Beals Creek luego al Rio Colorado de bajo de el lago JB Thomas. La TCEQ recibió esta solicitud el _31 de diciember de 2024 . La solicitud para el permiso estará disponible para leerla y copiarla en Midland City Hall, 5 piso, 300 Norte calle Loraine, Midland, en el condado de Midland, 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://www.tceq.texas.gov/permitting/wastewaterpending-permits/tpdes-applications

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

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ

realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso.** Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

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

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

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

INFORMACIÓN DISPONIBLE EN LÍNEA. Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en www.tceq.texas.gov/goto/cid. Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

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

También se puede obtener información adicional de la Ciudad de Odessa a la dirección indicada arriba o llamando a Alex Rowlett, Director Interino al 432-335-4632.

Fecha de emisión:

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 22, 2025

CERTIFIED MAIL

Mr. Alex Rowlett
Interim Director of Utilities
City of Odessa
P.O. Box 4398
Odessa, Texas 79760

Re: Application to Renew Permit No. WQ0010238002 (EPA I.D. TX0105104)
Issued to City of Odessa
CN600338354, RN101614261

Dear Mr. Rowlett:

Our records indicate that we have not received a complete response to the Notice of Deficiency email sent January 3, 2025. The complete response to the Notice of Deficiency was due no later than January 17, 2025.

Applicants are required to respond to the Notice of Deficiency in a timely manner and failure to do so will result in the return of the permit application. If the complete response is not received within 30 days from the date of this letter, the permit application will be removed from our list of pending applications and the permit will be allowed to expire on July 2, 2025. If you have submitted your response to our requests for information, please disregard this letter.

This is the final notice that will be sent requesting information to administratively complete the application. Please mail a complete response and two copies to the attention of Ms. Francesca Findlay. If you have any questions, please do not hesitate to call me at (512) 239-2191.

Sincerely,

Erika Crespo

Erika Crespo, Assistant Deputy Director
Water Quality Division

EC/em

cc: Ms. Melissa Looney, Wastewater Plant Manager, City of Odessa, P.O. Box 4398, Odessa, Texas 79760

Fransesca Findlay
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission on Environmental Quality
12100 Park 35 Circle
Austin, Texas 78753

Re: Notice of Deficiency Letter dated January 3, 2025 Application to Renew Permit No. WQ0010238002 – City of Odessa Bob Derrington Water Reclamation Plant.

Dear Fransesca Findlay:

Enclosed please find the following in response to the above referenced Notice of Deficiency letter:

1. Core Data Form, Section III, Item 23: Spelling of Odessa was corrected.

2. Administrative Report 1.0, Section 8, item D: Midland City Hall address is confirmed as 300 N Loraine St., Midland, Tx 79701.

3. A Plain Language Summary in English and Spanish are enclosed.

4. A USGS Topographic Map that contains all the applicable information.

5. No errors or omissions are noted on the portion of the Notice of Receipt of Application and Intent to Obtain a Water Quality Permit included in the Notice of Deficiency.

Should you have any questions please contact me at 432-335-4632 or by email mrowlett@odessa-tx.gov

Sincerely,

Alex Rowlett
Interim Director of Utilities

RECEIVED
JAN 13 2025
Water Quality Applications Team

enclosure

(432) 335-4632		(432) 335 4698

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.)*

BOB DERRINGTON WATER RECLAMATION PLANT

23. Street Address of the Regulated Entity: *(No PO Boxes)*	9600 S. COUNTY ROAD 1325						
	City	ODESSA	State	TX	ZIP	79766	ZIP + 4
24. County	MIDLAND						

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

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

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. Longitude (W) In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
31	49	18	102	15	19

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.)*

WATER RECLAMATION - TREATMENT OF MUNICIPAL WASTEWATER

34. Mailing Address:	P. O. BOX 4398						
	City	ODESSA	State	TX	ZIP	79760	ZIP + 4
35. E-Mail Address:	MROWLETT@ODESSA-TX.GOV						

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(432) 335-4632		(432) 335-4652

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.

Domestic Wastewater TPDES Renewal application

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 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

The City of Odessa (CN600338354) operates the Bob Derrington Water Reclamation Plant (RN101614261), an activated sludge process plant operated in the complete mix mode. The facility is located at 9600 South County Rd 1325, near the City of Midland, Midland County, Texas 79766.

This application is for a renewal to discharge treated wastewater at a volume not to exceed an annual average flow of 11,000,000 gallons per day.

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 and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

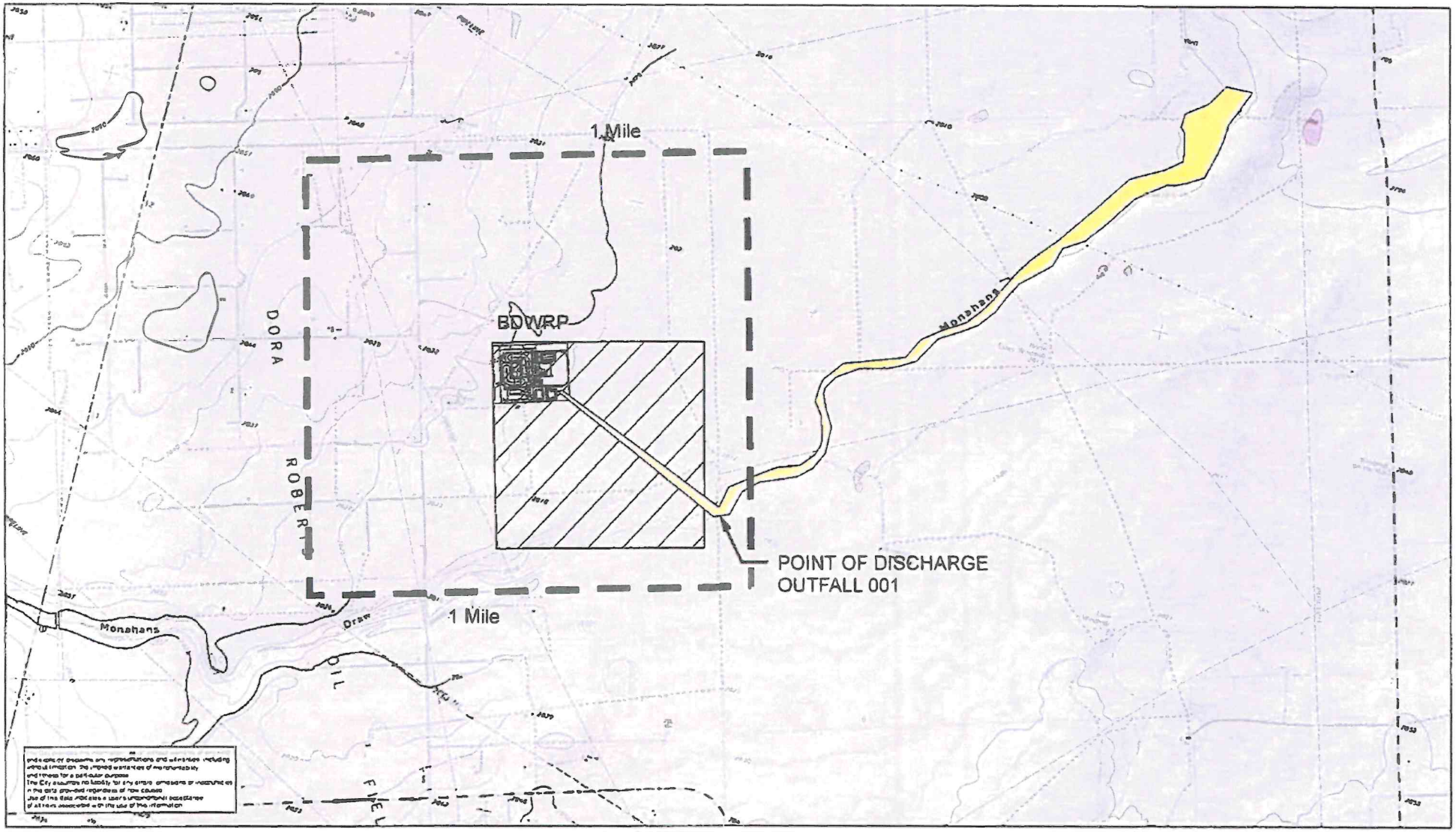
Solicitud de Renovación de TPDES de Aguas Residuales Domésticas

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

La ciudad de Odessa (CN600338354) opera la planta de recuperación de agua Bob Derrington (RN101614261), una planta de procesamiento de lodos activados operada en modo de mezcla completa. La instalación se encuentra en 9600 South County Road 1325, cerca de la ciudad de Midland, Condado de Midland, Texas 79766.

Esta solicitud es para una renovación para descargar aguas residuales tratadas a un volumen que no exceda un flujo promedio anual de 11,000,000 de galones por día.

Se espera que las descargas de la instalación contengan la demanda de oxígeno bioquímico carbonáceo ($CBOD_5$) durante cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH_5-N) y Escherichia coli. Los contaminantes potenciales adicionales se incluyen en el informe Técnico Domestico 1.0, Sección 7. Análisis de contaminantes de efluentes tratados y hoja de trabajo doméstica 4.0 en el paquete de solicitud de permisos. Las aguas residuales domesticas son tratadas por una planta de proceso de lodo activo y las unidades de tratamiento incluyen una pantalla de barra, cuencas de aireación, clarificadores finales, digestores de lodos, una prensa de filtro de correa, cámaras de contacto con cloro y una cámara de descloracion.



Site Location: Latitude = 31.82066
Longitude = -102.257473

2500 1,250 0 2 feet

Map Sources. USGS Maps from TNRIS Website
using ARCGIS software to prepare

USGS Maps. Odessa SE; Parks NW

N W E S

Francesca Findlay

From: Chastity Tijerina <cfranco@odessa-tx.gov>
Sent: Monday, February 3, 2025 8:58 AM
To: Francesca Findlay
Subject: RE: WQ0010238002 City of Odessa
Attachments: Municipal Discharge Renewal Spanish NORI(1) (002).docx; English_Spanish.docx

Follow Up Flag: Follow up
Flag Status: Flagged

Good morning Francesca,

Please see attached and let me know if this is what you were asking for. If not please let me know, I'm still a bit confused on some things.

Thank you,

The right place in Texas
Odessa

CHASTITY TIJERINA
Utilities Compliance Coordinator
432.335.4633
ctijerina@odessa-tx.gov
119 W. 4th Street 4th Floor
432.312.4200

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Wednesday, January 22, 2025 1:29 PM
To: Chastity Tijerina <cfranco@odessa-tx.gov>
Subject: FW: WQ0010238002 City of Odessa

Good afternoon,

I have attached the Spanish Nori that needs to be translated to Spanish and returned as a word document.. I have also attached the Plain Language Summary in English and Spanish that needs to be returned as word documents. Please let me know if you have any questions.

Dear Mr. Rowlett:

The attached Notice of Deficiency letter sent on January 3, 2025, requesting additional information needed to declare the application administratively complete. Please send the complete response to my attention January 17, 2025.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality