



# 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, el Aviso de Recepción de Solicitud e Intención de Obtener un Permiso)
  - Inglés
  - Idioma alternativo (español)
3. Solicitud original



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

### PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

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

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

City of Round Rock (CN600413181), City of Cedar Park (CN600407951), City of Austin (CN600135198), and City of Leander (CN600646012) operate the Brushy Creek Regional West Wastewater Treatment Facility (RN100822592), a plug-flow activated sludge wastewater treatment facility. The facility is located at 1116 East Austin Avenue, in Round Rock, Williamson County, Texas 78664. This application is for a renewal to discharge an annual average flow of 3,000,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain 5-day carbonaceous biochemical oxygen demand, total suspended solids, ammonia nitrogen, total phosphorus, and *E. coli*. Domestic wastewater is treated by two mechanical fine screens, two aeration basins, two secondary clarifiers, and an ultraviolet disinfection system.

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

### AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES

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

La ciudad de Round Rock (CN600413181), la ciudad de Cedar Park (CN600407951), la ciudad de Austin (CN600135198) y la ciudad de Leander (CN600646012) operan la instalación de tratamiento de aguas residuales del Brushy Creek Regional West (RN100822592), una instalación de tratamiento de aguas residuales de lodos activados de flujo pistón. La instalación está ubicada en 1116 East Austin Avenue, en la ciudad de Round Rock, Condado de Williamson, Texas 78664. Esta solicitud es para una renovación para descargar un flujo promedio anual de 3,000,000 de galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan demanda bioquímica carbonosa de oxígeno de 5 días, sólidos suspendidos totales, nitrógeno amoniacal, fósforo total, y *E. coli*. Aguas residuales domésticas son tratadas por dos cribas finas mecánicas, dos cuencas de aireación, dos clarificadores secundarios y un sistema de desinfección ultravioleta.

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0010264001

**APPLICATION.** City of Austin, City of Cedar Park, City of Leander, and City of Round Rock, 221 East Main Street, Round Rock, Texas 78664, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010264001 (EPA I.D. No. TX0075167) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 3,000,000 gallons per day. The domestic wastewater treatment facility is located at 1116 East Austin Avenue, in the city of Round Rock, in Williamson County, Texas 78664. The discharge route is from the plant site directly to Brushy Creek. TCEQ received this application on September 9, 2024. The permit application will be available for viewing and copying at the Utilities and Environmental Services Building, customer service desk, 3400 Sunrise Road, Round Rock, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

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

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.666111,30.513888&level=18>

**ALTERNATIVE LANGUAGE NOTICE.** Alternative language notice in Spanish is available at: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

El aviso de idioma alternativo en español está disponible en

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

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

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

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

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

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

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

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

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

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

**INFORMATION AVAILABLE ONLINE.** For details about the status of the application, visit the Commissioners' Integrated Database at [www.tceq.texas.gov/goto/cid](http://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](http://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 Austin, City of Cedar Park, City of Leander, and City of Round Rock at the address stated above or by calling Mr. Michael Thane, P.E., Director - Utilities and Environmental Services, City of Round Rock at 512-218-3236.

Issuance Date: October 22, 2024

# 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. WQ0010264001

**SOLICITUD.** La ciudad de Round Rock, la ciudad de Austin, la ciudad de Cedar Park, y la ciudad de Leander, 221 East Main Street, Round Rock, Texas 78664, han solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010264001 (EPA I.D. No. TX0075167) 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 3,000,000 galones por día. La planta está ubicada en 1116 East Austin Avenue, en la ciudad de Round Rock, en el Condado de Williamson, Texas 78664. La ruta de descarga es del sitio de la planta directamente al Brushy Creek. La TCEQ recibió esta solicitud el 9 de septiembre de 2024. La solicitud para el permiso está disponible para leerla y copiarla en el mostrador de atención al cliente del Edificio de Servicios Públicos y Ambientales, 3400 Sunrise Road, Round Rock, Texas. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. Este enlace a un mapa electrónico del sitio o la ubicación general de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.666111,30.513888&level=18>

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

**COMENTARIO PUBLICO / REUNION PUBLICA.** Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El

propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

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

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

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

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

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

**CONTACTOS E INFORMACIÓN DE LA TCEQ. Todos los comentarios escritos del público y los para pedidos una reunión debe ser presentado a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at [www.tceq.texas.gov/about/comments.html](http://www.tceq.texas.gov/about/comments.html).**

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. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: [www.tceq.texas.gov](http://www.tceq.texas.gov).

También se puede obtener información adicional de la ciudad de Round Rock, la ciudad de Austin, la ciudad de Cedar Park, y la ciudad de Leander a la dirección indicada arriba o llamando a Sr. Michael Thane, P.E., Director de Servicios Públicos y Medioambientales, al 512-218-3236.

Fecha de emisión 22 de octubre de 2024



PLUMMER

RECEIVED

SEP 09 2024

TCEQ MAIL CENTER  
DA

0982-021-01

September 9, 2024

Texas Commission on Environmental Quality  
Water Quality Division  
Applications Review and Processing Team  
MC-148  
PO Box 13087  
Austin, TX 78711

Re: City of Round Rock (CN600413181), City of Cedar Park (CN600407951), City of Austin (CN600135198), and City of Leander (CN600646012)  
Brushy Creek Regional West Wastewater Treatment Facility (RN100822592)  
Application for Renewal of Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010264001

To Whom It May Concern:

On behalf of City of Round Rock, City of Cedar Park, City of Austin, and City of Leander, Plummer Associates, Inc. (Plummer) submits one original and two copies of a renewal application for the above-referenced permit. The application fee of \$2,015.00 for the Domestic Wastewater Permit Application has been submitted to the Texas Commission on Environmental Quality Cashier's Office (MC-214) under separate cover.

Please feel free to contact me at alewis@plummer.com or (512) 687-2154, if you have any questions regarding this submittal.

Sincerely Yours,

PLUMMER

Ashley Lewis  
Water Quality/Permitting Team Leader

Enclosures: Permit Renewal Application (1 original, 2 copies)

cc: Ms. Laurie Hadley, City of Round Rock, City Manager  
Ms. Brenda Eviens, City of Cedar Park, City Manager  
Ms. Shay Ralls Roalson, City of Austin, Director of Austin Water  
Mr. Todd Parton, City of Leander, City Manager



**CITY OF ROUND ROCK, CITY OF CEDAR PARK,  
CITY OF AUSTIN, AND CITY OF LEANDER**

**BRUSHY CREEK REGIONAL WEST  
WASTEWATER TREATMENT FACILITY**

**TPDES PERMIT RENEWAL APPLICATION  
PERMIT NO. WQ0010264001**

**SUBMITTED TO:  
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**



**SEPTEMBER 2024**

PROJECT #: 0982-021-01

**PLUMMER**

**CITY OF ROUND ROCK, CITY OF CEDAR PARK, CITY OF AUSTIN, AND CITY OF LEANDER  
BRUSHY CREEK REGIONAL WEST WASTEWATER TREATMENT FACILITY  
TPDES PERMIT RENEWAL APPLICATION**

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**II. TECHNICAL REPORT**

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Domestic Worksheet 4.0  
Domestic Worksheet 5.0  
Domestic Worksheet 6.0

**III. ATTACHMENTS**

<b><u>No.</u></b>	<b><u>Description</u></b>	<b><u>Reference</u></b>
A	Core Data Form	Admin Rpt 1.0, Section 3.C
B	Plain Language Summary	Admin Rpt 1.0, Section 8.F
C	USGS Map	Admin Rpt 1.0, Section 13
D	Process Flow Diagram	Tech Rpt 1.0, Section 2.C
E	Site Drawing	Tech Rpt 1.0, Section 3
F	Pollutant Analysis of Treated Effluent	Tech Rpt 1.0, Section 7; Wks 4.0 Section 1 & 2
G	Summary of WET Test Results	Wks 5.0 Section 3
H	Effluent Parameters Above the MAL	Wks 6.0 Section 2.C



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

**Complete and submit this checklist with the application.**

APPLICANT NAME: City of Round Rock, City of Cedar Park, City of Austin, and City of Leander

PERMIT NUMBER (If new, leave blank): WQ0010264001

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

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

### 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 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input type="checkbox"/>	\$1,615.00 <input type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input type="checkbox"/>	\$2,015.00 <input checked="" type="checkbox"/>

Minor Amendment (for any flow) \$150.00 ☐

**Payment Information:**

Mailed      Check/Money Order Number: 10080173  
Check/Money Order Amount: \$2,015.00  
Name Printed on Check: City of Round Rock

EPAY      Voucher Number: N/A

Copy of Payment Voucher enclosed?      Yes ☐      N/A

**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 10264001

EPA I.D. (TPDES only): TX 0075167

Expiration Date: 3/11/2025

### 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 Round Rock

*(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: 600413181

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: Ms.

Last Name, First Name: Hadley, Laurie

Title: City Manager

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?

City of Cedar Park

*(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: 600407951

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: Ms.

Last Name, First Name: Eivens, Brenda

Title: City Manager

Credential:

Provide a brief description of the need for a co-permittee: Co-owner of Brushy Creek Regional West Wastewater Treatment Facility

**C. 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?

City of Austin

*(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: 600135198

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: Ms.

Last Name, First Name: Roalson, Shay Ralls

Title: Director of Austin Water

Credential: P.E.

Provide a brief description of the need for a co-permittee: Co-owner of Brushy Creek Regional West Wastewater Treatment Facility

**D. 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?

City of Leander

*(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: 600646012

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: Parton, Todd

Title: City Manager

Credential:

Provide a brief description of the need for a co-permittee: Co-owner of Brushy Creek Regional West Wastewater Treatment Facility

**E. 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. A

## Section 4. Application Contact Information (Instructions Page 27)

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

- A. Prefix: Mr. Last Name, First Name: Thane, Michael  
Title: Director - Utilities and Environmental Services Credential: P.E.  
Organization Name: City of Round Rock  
Mailing Address: 3400 Sunrise Rd City, State, Zip Code: Round Rock, TX 78665  
Phone No.: (512) 218-3236 E-mail Address: mthane@roundrocktexas.gov  
Check one or both: ☒ Administrative Contact ☒ Technical Contact
- B. Prefix: Ms. Last Name, First Name: Lewis, Ashley  
Title: Water Quality/Permitting Team Leader Credential:  
Organization Name: Plummer Associates, Inc.  
Mailing Address: 8911 N Capital of Texas Hwy, Bldg 1 - Ste 1250 City, State, Zip Code: Austin, TX 78759  
Phone No.: (512) 687-2154 E-mail Address: alewis@plummer.com  
Check one or both: ☒ Administrative Contact ☒ Technical Contact

## Section 5. Permit Contact Information (Instructions Page 27)

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

- A. Prefix: Mr. Last Name, First Name: Thane, Michael  
Title: Director - Utilities and Environmental Services Credential: P.E.  
Organization Name: City of Round Rock  
Mailing Address: 3400 Sunrise Rd City, State, Zip Code: Round Rock, TX 78665  
Phone No.: (512) 218-3236 E-mail Address: mthane@roundrocktexas.gov
- B. Prefix: Mr. Last Name, First Name: Carr, Laton  
Title: Principal Utility Engineer - Utilities and Environmental Services Credential: P.E.  
Organization Name: City of Round Rock  
Mailing Address: 3400 Sunrise Rd City, State, Zip Code: Round Rock, TX 78665  
Phone No.: (512) 218-3238 E-mail Address: lcarr@roundrocktexas.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: Thane, Michael  
Title: Director - Utilities and Environmental Services Credential: P.E.  
Organization Name: City of Round Rock  
Mailing Address: 3400 Sunrise Rd City, State, Zip Code: Round Rock, TX 78665  
Phone No.: (512) 218-3236 E-mail Address: mthane@roundrocktexas.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: Heaps, John  
Title: Superintendent – Utilities Services Credential:  
Organization Name: City of Round Rock  
Mailing Address: 3400 Sunrise Rd City, State, Zip Code: Round Rock, TX 78665  
Phone No.: (512) 218-6637 E-mail Address: jheaps@roundrocktexas.gov

## Section 8. Public Notice Information (Instructions Page 27)

### A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name: Griesel, Jenni  
Title: Project Engineer Credential: P.E.  
Organization Name: Plummer Associates, Inc.  
Mailing Address: 8911 N Capital of Texas Hwy, Bldg 1 - Ste 1250 City, State, Zip Code: Austin, TX 78759  
Phone No.: (512) 687-2193 E-mail Address: ygriesel@plummer.com

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

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

- ☒ E-mail Address  
☐ Fax  
☐ Regular Mail

### C. Contact permit to be listed in the Notices

Prefix: Mr. Last Name, First Name: Thane, Michael

Title: Director - Utilities and Environmental Services Credential: P.E.

Organization Name: City of Round Rock

Mailing Address: 3400 Sunrise Rd City, State, Zip Code: Round Rock, TX 78665

Phone No.: (512) 218-3236 E-mail Address: mtthane@roundrocktexas.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: Utilities and Environmental Services Building

Location within the building: Customer Service Desk

Physical Address of Building: 3400 Sunrise Rd

City: Round Rock

County: Williamson

Contact (Last Name, First Name): Carr, Laton

Phone No.: (512) 218-3238 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: B

#### G. Public Involvement Plan Form

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

Attachment: N/A

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

- A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN 100822592

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):

Brushy Creek Regional West Wastewater Treatment Facility

- C. Owner of treatment facility: City of Round Rock, City of Cedar Park, City of Austin, and City of Leander

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

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

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: City of Round Rock, City of Cedar Park, City of Austin, and City of Leander

Mailing Address: 212 E. Main Street

City, State, Zip Code: Round Rock, TX 78664

Phone No.: (512) 218-5410

E-mail Address: lhadley@roundrocktexas.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: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

- F. Owner sewage sludge disposal site (if authorization is requested for sludge disposal on

property owned or controlled by the applicant)::

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

## Section 10. TPDES Discharge Information (Instructions Page 31)

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

☐ Yes ☒ No

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

1116 East Austin Avenue, Round Rock, Williamson County, TX 78664

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

☒ Yes ☐ No

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

N/A

City nearest the outfall(s): Round Rock

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

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 N/A

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

Attachment: N/A

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

## Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes      ☐ No      N/A – Not a TLAP

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

N/A

B. City nearest the disposal site: N/A

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

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

N/A

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

## Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes      ☒ No

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

☐ Yes      ☐ No      ☒ Not Applicable

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

N/A

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

☐ Yes      ☒ No

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

D. Do you owe any fees to the TCEQ?

☐ Yes      ☒ No

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

Account number: N/A

Amount past due: N/A

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

Enforcement order number: N/A

Amount past due: N/A

### 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 See Attachment C
  - 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: See Table of Contents

## Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0010264001

Applicant: City of Round Rock

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.

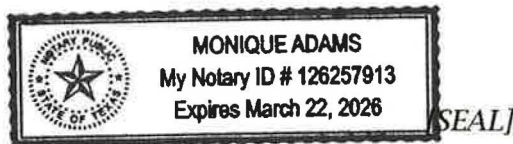
Signatory name (typed or printed): Laurie Hadley

Signatory title: City Manager, City of Round Rock

Signature: Laurie Hadley Date: Aug. 23, 2024  
(Use blue ink)

Subscribed and Sworn to before me by the said Laurie Hadley City Mgr  
on this 23rd day of August, 20 24.  
My commission expires on the 22nd day of March, 20 26

Monique Adams  
Notary Public



Williamson  
County, Texas

## Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0010264001

Applicant: City of Cedar Park

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): Brenda Eivens

Signatory title: City Manager, City of Cedar Park

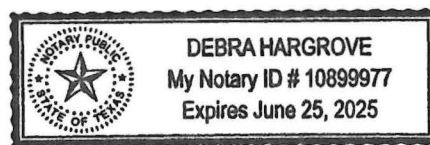
Signature: Brenda Eivens Date: 8/15/2024 <sup>KW</sup>  
<sub>gh</sub>

(Use blue ink)

Subscribed and Sworn to before me by the said Brenda Eivens  
on this 15th day of August, 2024.  
My commission expires on the 25th day of June, 2025.

Debra Hargrove

Notary Public



[SEAL]

Williamson

County, Texas

## Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0010264001

Applicant: City of Austin

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.

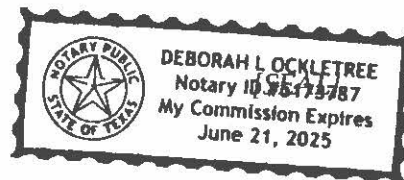
Signatory name (typed or printed): Shay Ralls Roalson

Signatory title: Director of Austin Water, City of Austin

Signature: Shay Ralls Roalson Date: 7/31/2024  
(Use blue ink)

Subscribed and Sworn to before me by the said Shay Ralls Roalson  
on this 31st day of July, 2024.  
My commission expires on the 21st day of June, 2025.

Deborah L. Ockletree  
Notary Public



Travis  
County, Texas

## Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0010264001

Applicant: City of Leander

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): Todd Parton

Signatory title: City Manager, City of Leander

Signature: \_\_\_\_\_

(Use blue ink)

Date: \_\_\_\_\_

7/30/2024

Subscribed and Sworn to before me by the said \_\_\_\_\_

Todd Parton

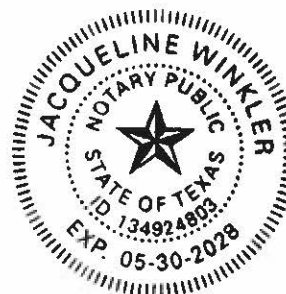
on this 30<sup>th</sup> day of July, 20 24.

My commission expires on the 30<sup>th</sup> day of May, 20 28.

Notary Public

[SEAL]

County, Texas



# 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](mailto:WQ-ARPTeam@tceq.texas.gov) or by phone at (512) 239-4671.

The following applies to all applications:

1. Permittee: City of Round Rock, City of Cedar Park, City of Austin, and City of Leander

Permit No. WQ00 10264001

EPA ID No. TX 0075167

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

1116 East Austin Avenue, Round Rock, Williamson County, TX 78664

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: Michael Thane

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

Title: Director - Utilities and Environmental Services

Mailing Address: 3400 Sunrise Rd

City, State, Zip Code: Round Rock, TX 78665

Phone No.: (512) 218-3236 Ext.: N/A Fax No.: (512) 218-5563

E-mail Address: mthane@roundrocktexas.gov

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

N/A - Property owners and permittees/applicants are the same.

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.

Directly to Brushy Creek in Segment No. 1244 of the Brazos River Basin

5. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report). See SPIF 1 and SPIF 2

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

Does your project involve any of the following? Check all that apply. None 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:

Existing disturbances and land use are typical for a wastewater treatment facility of this size.

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

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

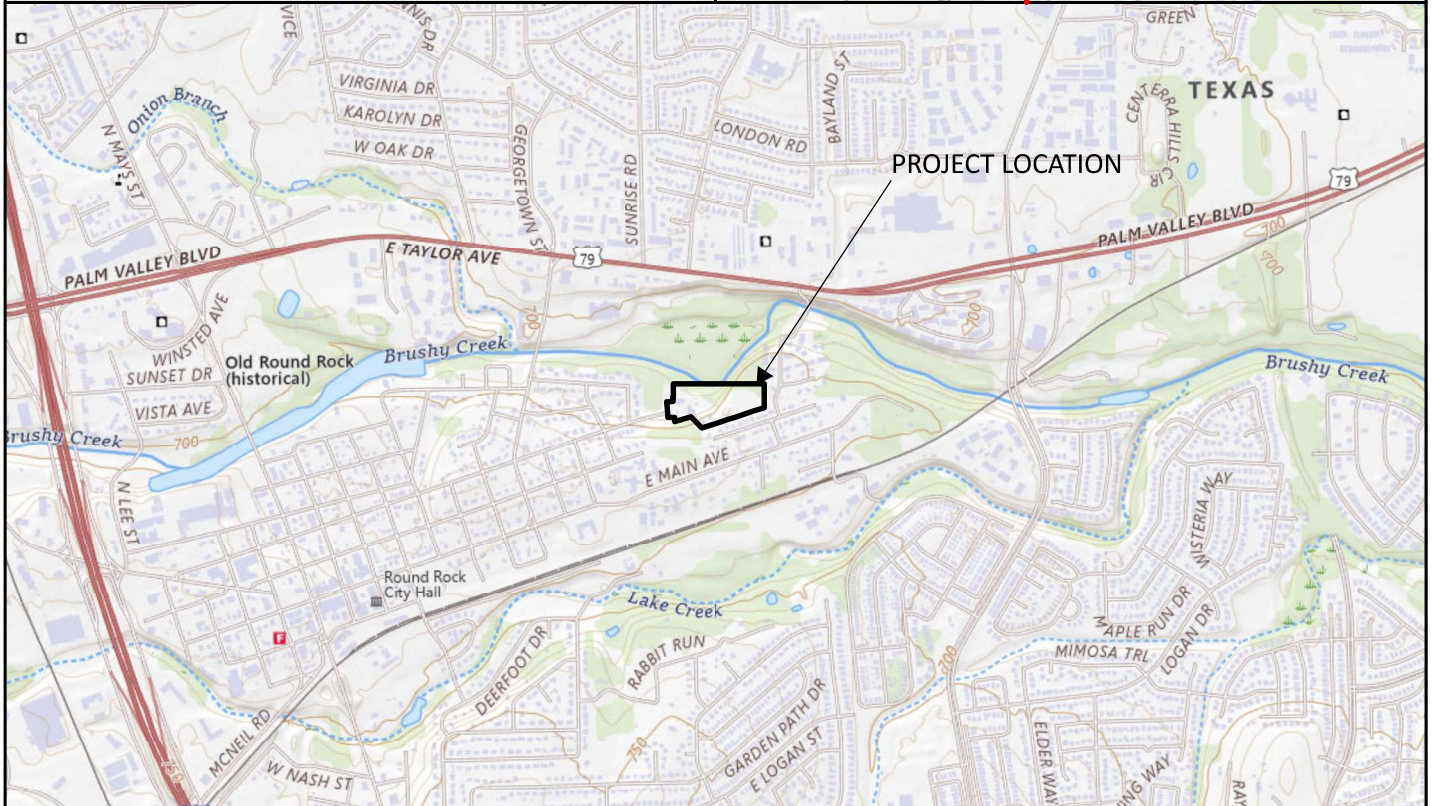
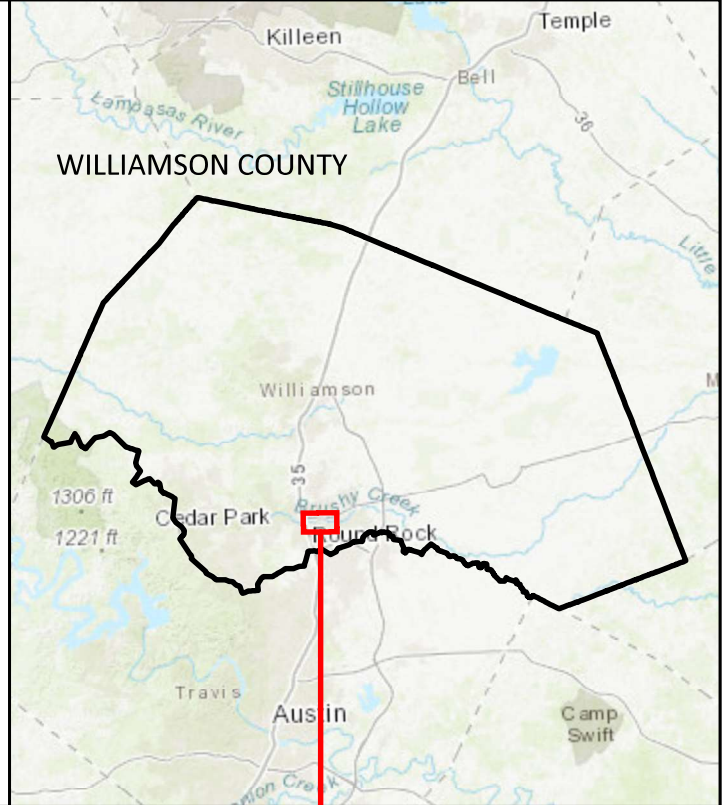
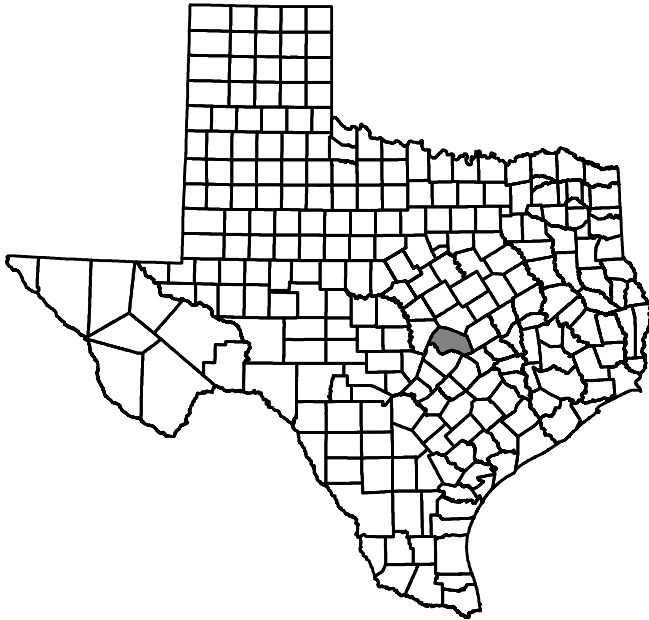
N/A

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

N/A



PLUMMER

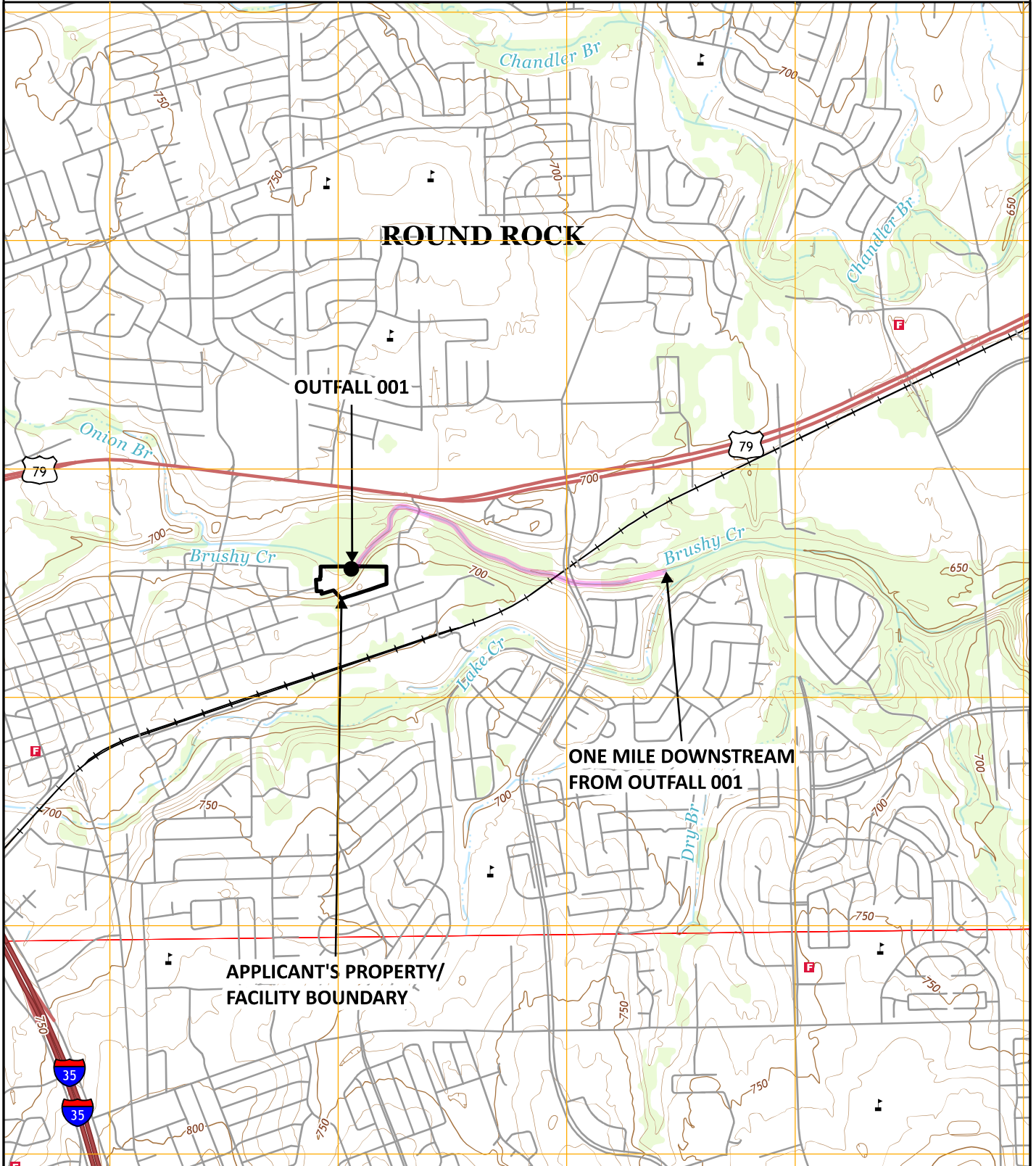


SPIF 1

CITY OF ROUND ROCK, CITY OF CEDAR PARK, CITY OF AUSTIN, AND CITY OF LEANDER  
BRUSHY CREEK REGIONAL WEST WASTEWATER TREATMENT FACILITY  
TPDES PERMIT RENEWAL APPLICATION  
GENERAL LOCATION MAP



PLUMMER



SPIF 2

CITY OF ROUND ROCK, CITY OF CEDAR PARK, CITY OF AUSTIN, AND CITY OF LEANDER  
BRUSHY CREEK REGIONAL WEST WASTEWATER TREATMENT FACILITY  
TPDES PERMIT RENEWAL APPLICATION  
USGS MAP



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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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): 3.0

2-Hr Peak Flow (MGD): 9.0

Estimated construction start date: Existing

Estimated waste disposal start date: Existing

#### B. Interim II Phase

Design Flow (MGD): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

#### C. Final Phase

Design Flow (MGD): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

#### D. Current Operating Phase

Provide the startup date of the facility: 1978

### Section 2. Treatment Process (Instructions Page 43)

#### A. Process Description

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.**

Wastewater treatment is a plug-flow activated sludge wastewater treatment facility that includes two mechanical fine screens, two aeration basins, two secondary clarifiers, and an ultraviolet disinfection system prior to discharging into Brushy Creek Segment No. 1244. The aeration basins are equipped with fine bubble membranes diffusers with floor coverage of up to 20% in the first 5 of 6 zones in one bull's eye; and the first 3 of 5 zones in the second bull's eye. The plant includes return activated sludge, scum, and waste activated air lift pumps. Sludge is returned from the bottom of the clarifier to the aeration basins. Waste activated sludge is taken from the aeration basin and conveyed to the Brushy Creek Regional East Wastewater Treatment Facility (same Owner and Operator as this facility) to allow centralized dewatering for the two plants.

## 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)
Selector Basins	2	1 - 17,624 ft <sup>3</sup> , 15 ft D x 17'-0" W 1 - 21,032 ft <sup>3</sup> , 15 ft D x 16'-7" W
Aeration Basins	2	1 - 61,685 ft <sup>3</sup> , 15 ft D x 17'-0" W 1 - 73, 956 ft <sup>3</sup> , 15 ft D x 16'-7" W
Clarifiers	2	1 - 80 ft Diameter, 15 ft SWD 1 - 103 ft Diameter, 15 ft SWD
UV Disinfection System	1	36.5 ft L x 2.33 ft W x 1.21 ft D

## C. Process Flow Diagram

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

**Attachment:** D

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

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

- Latitude: 30.514557
- Longitude: -97.665391

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: E**

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

The facility serves portions of Round Rock, Cedar Park, Leander, Fern Bluffs Municipal Utility District (MUD), Brushy Creek MUD and parts of North Austin.

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
West Round Rock	City of Round Rock	Publicly Owned	5,000
Cedar Park	City of Cedar Park	Publicly Owned	5,000
North Austin	City of Austin	Publicly Owned	5,000
Leander	City of Leander	Publicly Owned	5,000
Fern Bluffs MUD	Fern Bluffs Municipal Utility District	Publicly Owned	2,000
Brushy Creek MUD	Brushy Creek Municipal Utility District	Publicly Owned	6,000

## 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 N/A

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

N/A

## Section 5. Closure Plans (Instructions Page 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 N/A

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

N/A

## 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: 5/14/2014

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.**

The summary transmittal letter for the existing phase was submitted 3/28/2014 and approved by TCEQ on 5/14/2014.

### 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 permittees comply with a nuisance odor prevention plan in accordance with 30 TACS 309.13(e)(2) approved on May 14, 2014. (TCEQ Log No. 0414/004).

**C. Other actions required by the current permit**

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

☐ Yes ☒ No

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

N/A

**D. Grit and grease treatment**

**1. Acceptance of grit and grease waste**

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

☐ Yes ☒ No

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

**2. Grit and grease processing**

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

N/A

**3. Grit disposal**

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

☐ Yes ☐ No N/A

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

Describe the method of grit disposal.

N/A

**4. Grease and decanted liquid disposal**

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

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

N/A

**E. Stormwater management**

**1. Applicability**

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

☒ Yes ☐ No

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

☒ Yes ☐ No

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

**2. MSGP coverage**

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

☒ Yes ☐ No

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

TXR05 FR27 or TXRNE

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

☐ Yes ☐ No N/A

**3. Conditional exclusion**

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

☐ Yes ☒ No

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

N/A

#### 4. Existing coverage in individual permit

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

☐ Yes ☒ No

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

N/A

#### 5. Zero stormwater discharge

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

☐ Yes ☒ No

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

N/A

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

#### 6. Request for coverage in individual permit

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

☐ Yes ☒ No

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

N/A

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

#### F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

#### 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 the 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<sub>5</sub> concentration of the sludge, and the design BOD<sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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

##### 2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

**If yes to any of the above,** provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD<sub>5</sub> concentration of the septic waste, and the design BOD<sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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

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

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

☐ Yes ☒ No

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

N/A

## Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 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.

**Table 1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities** See Attachment F

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD <sub>5</sub> , mg/l	1.58	2.94	9	Comp	4/1 - 4/30/2024
Total Suspended Solids, mg/l	2.5	2.5	9	Comp	4/1 - 4/30/2024
Ammonia Nitrogen, mg/l	0.266	0.672	9	Comp	4/1 - 4/30/2024
Nitrate Nitrogen, mg/l	11.1	12.6	3	Comp.	2/28 - 7/23/2024
Total Kjeldahl Nitrogen, mg/l	4.73	4.73	1	Comp.	8/26/2024 11:59 PM

Sulfate, mg/l	47.4	47.4	1	Comp.	7/23/2024 11:59 PM
Chloride, mg/l	211	211	1	Comp.	7/23/2024 11:59 PM
Total Phosphorus, mg/l	0.209	0.247	2	Comp.	2/28/24 5/8/2024
pH, standard units	7.11	6.87 - 7.6	30	Grab	4/1 - 4/30/ 2024
Dissolved Oxygen*, mg/l	7.87	7.21 (Min)	30	Grab	4/1 - 4/30/ 2024
Chlorine Residual, mg/l	N/A	N/A	N/A	N/A	N/A
<i>E.coli</i> (CFU/100ml) freshwater	4.79	12.2	3	Grab	4/1 - 4/30/ 2024
Enterococci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	625	625	1	Comp.	7/23/2024 11:59 PM
Electrical Conductivity, µmohs/cm, †	N/A	N/A	N/A	N/A	N/A
Oil & Grease, mg/l	<1.42	2.11	2	Grab	2/28/24 5/8/24
Alkalinity (CaCO <sub>3</sub> )*, mg/l	128	128	1	Comp.	7/23/2024 11:59 PM

\*TPDES permits only

†TLAP permits only

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	N/A	N/A	N/A	N/A	N/A
pH, standard units	N/A	N/A	N/A	N/A	N/A
Fluoride, mg/l	N/A	N/A	N/A	N/A	N/A
Aluminum, mg/l	N/A	N/A	N/A	N/A	N/A
Alkalinity (CaCO <sub>3</sub> ), mg/l	N/A	N/A	N/A	N/A	N/A

## Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Tom Villanueva

Facility Operator's License Classification and Level: Wastewater Class B; Class A License Pending

Facility Operator's License Number: WW0046666; Class A License Pending

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

### B. WWTP's 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 ( $\geq 2$  years)
- ☐ Methane or Biogas Recovery
- ☒ Other Treatment Process: Waste activated sludge is transported to Brushy Creek Regional East Wastewater Treatment Facility, which is also owned and operated by the applicant.

### C. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize

all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

#### Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Other	Off-site Handler or Preparer	Not Applicable	N/A	N/A	N/A

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): Waste activated sludge is transported to Brushy Creek Regional East Wastewater Treatment Facility, which is also owned and operated by the applicant.

#### D. Disposal site

Disposal site name: Brushy Creek Regional East Wastewater Treatment Facility

TCEQ permit or registration number: WQ0010264002

County where disposal site is located: Williamson

#### E. Transportation method

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

Name of the hauler: N/A

Hauler registration number: N/A

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 N/A

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 N/A

#### B. Sludge processing authorization

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

Sludge Composting	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Marketing and Distribution of sludge	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Sludge Surface Disposal or Sludge Monofill	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Temporary storage in sludge lagoons	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

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

☐ Yes ☒ No

## Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

### A. Location information

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

- Original General Highway (County) Map:  
**Attachment:** N/A
- USDA Natural Resources Conservation Service Soil Map:  
**Attachment:** N/A
- Federal Emergency Management Map:  
**Attachment:** N/A
- Site map:  
**Attachment:** N/A

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

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

**Attachment:** N/A

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

N/A

## B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: N/A

Total Kjeldahl Nitrogen, mg/kg: N/A

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

Phosphorus, mg/kg: N/A

Potassium, mg/kg: N/A

pH, standard units: N/A

Ammonia Nitrogen mg/kg: N/A

Arsenic: N/A

Cadmium: N/A

Chromium: N/A

Copper: N/A

Lead: N/A

Mercury: N/A

Molybdenum: N/A

Nickel: N/A

Selenium: N/A

Zinc: N/A

Total PCBs: N/A

Provide the following information:

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

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

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

## C. Liner information

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

☐ Yes ☐ No N/A

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

N/A

## D. Site development plan

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

N/A

Attach the following documents to the application.

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

**Attachment:** N/A

- Copy of the closure plan

**Attachment:** N/A

- Copy of deed recordation for the site

**Attachment:** N/A

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

**Attachment:** N/A

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

**Attachment:** N/A

- Procedures to prevent the occurrence of nuisance conditions

**Attachment:** N/A

#### **E. Groundwater monitoring**

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

☐ Yes ☐ No N/A

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

**Attachment:** N/A

## **Section 12. Authorizations/Compliance/Enforcement (Instructions Page 55)**

#### **A. Additional authorizations**

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

☐ Yes ☒ No

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

N/A

#### **B. Permittee enforcement status**

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

N/A

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

#### A. RCRA hazardous wastes

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

☐ Yes ☒ No

#### B. Remediation activity wastewater

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

☐ Yes ☒ No

#### C. Details about wastes received

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

**Attachment:** N/A

## Section 14. Laboratory Accreditation (Instructions Page 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: Laurie Hadley

Title: City Manager, City of Round Rock

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

## 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: Brenda Eivens

Title: City Manager, City of Cedar Park

Signature: Brenda Eivens 

Date: 8/15/2024

## 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.

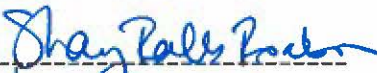
The following certification statement shall be signed and submitted with every application. See the Signature Page section in the Instructions, for a list of designated representatives who may sign the certification.

### 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: Shay Ralls Roalson

Title: Director of Austin Water, City of Austin

Signature: 

Date: 7/31/2024

## 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: Todd Parton

Title: City Manager, City of Leander

Signature:  \_\_\_\_\_

Date: 7/22/2024

# 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 to Section 2. If **yes**, provide the following:

Owner of the drinking water supply: N/A

Distance and direction to the intake: N/A

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

Attachment: N/A

### Section 2. Discharge into Tidally Affected Waters (Instructions Page 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: N/A

#### B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No N/A

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

N/A

#### C. Sea grasses

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

☐ Yes ☐ No N/A

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

N/A

### 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: N/A

#### A. Receiving water type

Identify the appropriate description of the receiving waters.

- ☐ Stream
- ☐ Freshwater Swamp or Marsh
- ☐ Lake or Pond

Surface area, in acres:

Average depth of the entire water body, in feet:

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

- ☐ Man-made Channel or Ditch
- ☐ Open Bay
- ☐ Tidal Stream, Bayou, or Marsh
- ☐ Other, specify:

#### B. Flow characteristics

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

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

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

- ☐ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☐ Personal observation
- ☐ Other, specify:

### C. Downstream perennial confluences

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

N/A

### 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.

N/A

### E. Normal dry weather characteristics

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

N/A

Date and time of observation:

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☐ No

## Section 5. General Characteristics of the Waterbody (Instructions Page 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.

- |   |  |
|---|--|
| <input type="checkbox"/> Oil field activities | <input type="checkbox"/> Urban runoff        |
| <input type="checkbox"/> Upstream discharges  | <input type="checkbox"/> Agricultural runoff |
| <input type="checkbox"/> Septic tanks         | <input type="checkbox"/> Other(s), specify:  |

## B. Waterbody uses

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

- |  |  |
|--|--|
| <input type="checkbox"/> Livestock watering    | <input type="checkbox"/> Contact recreation      |
| <input type="checkbox"/> Irrigation withdrawal | <input type="checkbox"/> Non-contact recreation  |
| <input type="checkbox"/> Fishing               | <input type="checkbox"/> Navigation              |
| <input type="checkbox"/> Domestic water supply | <input type="checkbox"/> Industrial water supply |
| <input type="checkbox"/> Park activities       | <input type="checkbox"/> Other(s), specify:      |

## 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 F

**Table 4.0(1) – Toxics Analysis**

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	<50	<50	1	50
Aldrin	<0.01	<0.01	1	0.01
Aluminum	29.5	31.8	2	2.5
Anthracene	<10	<10	1	10
Antimony	<5	<5	2	5
Arsenic	1.0	<2	2	0.5
Barium	41.9	44.0	2	3
Benzene	<10	<10	1	10
Benzidine	<50	<50	1	50
Benzo(a)anthracene	<5	<5	1	5
Benzo(a)pyrene	<5	<5	1	5
Bis(2-chloroethyl)ether	<10	<10	1	10
Bis(2-ethylhexyl)phthalate	<10	<10	1	10
Bromodichloromethane	<10	<10	1	10
Bromoform	<10	<10	1	10
Cadmium	<1	<1	2	1
Carbon Tetrachloride	<2	<2	1	2
Carbaryl	<5	<5	1	5
Chlordane*	<0.2	<0.2	1	0.2
Chlorobenzene	<10	<10	1	10
Chlorodibromomethane	<10	<10	1	10

<b>Pollutant</b>	<b>AVG Effluent Conc. (µg/l)</b>	<b>MAX Effluent Conc. (µg/l)</b>	<b>Number of Samples</b>	<b>MAL (µg/l)</b>
Chloroform	<10	<10	1	10
Chlorpyrifos	<0.05	<0.05	1	0.05
Chromium (Total)	<3	<3	2	3
Chromium (Tri) (*1)	<3	<3	2	N/A
Chromium (Hex)	<3	<3	2	3
Copper	3.75	4.19	2	2
Chrysene	<5	<5	1	5
p-Chloro-m-Cresol	<10	<10	1	10
4,6-Dinitro-o-Cresol	<50	<50	1	50
p-Cresol	<10	<10	1	10
Cyanide (*2)	<10	<10	2	10
4,4'- DDD	<0.1	<0.1	1	0.1
4,4'- DDE	<0.1	<0.1	1	0.1
4,4'- DDT	<0.02	<0.02	1	0.02
2,4-D	0.776	0.776	1	0.7
Demeton (O and S)	<0.2	<0.2	1	0.20
Diazinon	<0.1	<0.1	1	0.5/0.1
1,2-Dibromoethane	<10	<10	1	10
m-Dichlorobenzene	<10	<10	1	10
o-Dichlorobenzene	<10	<10	1	10
p-Dichlorobenzene	<10	<10	1	10
3,3'-Dichlorobenzidine	<5	<5	1	5
1,2-Dichloroethane	<10	<10	1	10
1,1-Dichloroethylene	<10	<10	1	10
Dichloromethane	<20	<20	1	20
1,2-Dichloropropane	<10	<10	1	10
1,3-Dichloropropene	<10	<10	1	10
Dicofol	<1	<1	1	1
Dieldrin	<0.02	<0.02	1	0.02
2,4-Dimethylphenol	<10	<10	1	10
Di-n-Butyl Phthalate	<10	<10	1	10
Diuron	<0.09	<0.09	1	0.09
Endosulfan I (alpha)	<0.01	<0.01	1	0.01

<b>Pollutant</b>	<b>AVG Effluent Conc. (µg/l)</b>	<b>MAX Effluent Conc. (µg/l)</b>	<b>Number of Samples</b>	<b>MAL (µg/l)</b>
Endosulfan II (beta)	<0.02	<0.02	1	0.02
Endosulfan Sulfate	<0.1	<0.1	1	0.1
Endrin	<0.02	<0.02	1	0.02
Ethylbenzene	<10	<10	1	10
Fluoride	<500	<500	2	500
Guthion	<0.1	<0.1	1	0.1
Heptachlor	<0.01	<0.01	1	0.01
Heptachlor Epoxide	<0.01	<0.01	1	0.01
Hexachlorobenzene	<5	<5	1	5
Hexachlorobutadiene	<10	<10	1	10
Hexachlorocyclohexane (alpha)	<0.05	<0.05	1	0.05
Hexachlorocyclohexane (beta)	<0.05	<0.05	1	0.05
gamma-Hexachlorocyclohexane (Lindane)	<0.05	<0.05	1	0.05
Hexachlorocyclopentadiene	<10	<10	1	10
Hexachloroethane	<20	<20	1	20
Hexachlorophene	<10	<10	1	10
Lead	<0.5	<0.5	2	0.5
Malathion	<0.1	<0.1	1	0.1
Mercury	<0.005	<0.005	2	0.005
Methoxychlor	<2	<2	1	2
Methyl Ethyl Ketone	<50	<50	1	50
Mirex	<0.02	<0.02	1	0.02
Nickel	<2.5	<3	2	2
Nitrate-Nitrogen	11,100	12,600	3	100
Nitrobenzene	<10	<10	1	10
N-Nitrosodiethylamine	<20	<20	1	20
N-Nitroso-di-n-Butylamine	<20	<20	1	20
Nonylphenol	<333	<333	1	333
Parathion (ethyl)	<0.1	<0.1	1	0.1
Pentachlorobenzene	<20	<20	1	20
Pentachlorophenol	<5	<5	1	5
Phenanthrene	<10	<10	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Polychlorinated Biphenyls (PCB's) (*3)	<0.2	<0.2	1	0.2
Pyridine	<20	<20	1	20
Selenium	<5	<5	2	5
Silver	<0.75	<1	2	0.5
1,2,4,5-Tetrachlorobenzene	<20	<20	1	20
1,1,2,2-Tetrachloroethane	<10	<10	1	10
Tetrachloroethylene	<10	<10	1	10
Thallium	<0.5	<0.5	2	0.5
Toluene	<10	<10	1	10
Toxaphene	<0.3	<0.3	1	0.3
2,4,5-TP (Silvex)	0.914	0.914	1	0.3
Tributyltin (see instructions for explanation)	N/A	N/A	N/A	0.01
1,1,1-Trichloroethane	<10	<10	1	10
1,1,2-Trichloroethane	<10	<10	1	10
Trichloroethylene	<10	<10	1	10
2,4,5-Trichlorophenol	<50	<50	1	50
TTHM (Total Trihalomethanes)	<10	<10	1	10
Vinyl Chloride	<10	<10	1	10
Zinc	38.9	41.7	2	5

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

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

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

## Section 2. Priority Pollutants

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

Grab ☒

Composite ☒

Date and time sample(s) collected: See Attachment F

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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Antimony	<5	<5	2	5
Arsenic	1.0	<2	2	0.5
Beryllium	<0.5	<0.5	2	0.5
Cadmium	<1	<1	2	1
Chromium (Total)	<3	<3	2	3
Chromium (Hex)	<3	<3	2	3
Chromium (Tri) (*1)	<3	<3	2	N/A
Copper	3.75	4.19	2	2
Lead	<0.5	<0.5	2	0.5
Mercury	<0.005	<0.005	2	0.005
Nickel	<2.5	<3	2	2
Selenium	<5	<5	2	5
Silver	<0.75	<1	2	0.5
Thallium	<0.5	<0.5	2	0.5
Zinc	38.9	41.7	2	5
Cyanide (*2)	<10	<10	2	10
Phenols, Total	<10	<10	2	10

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

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

**Table 4.0(2)B – Volatile Compounds**

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

**Table 4.0(2)C – Acid Compounds**

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

**Table 4.0(2)D – Base/Neutral Compounds**

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

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

**Table 4.0(2)E - Pesticides**

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

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

### Section 3. Dioxin/Furan Compounds

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

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

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

N/A

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

☐ Yes ☒ No

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

N/A

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

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

Grab ☐ Composite ☐

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

**Table 4.0(2)F – Dioxin/Furan Compounds**

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

# DOMESTIC WASTEWATER PERMIT APPLICATION

## WORKSHEET 5.0: TOXICITY TESTING REQUIREMENTS

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

48-hour Acute: See Attachment G

### Section 2. Toxicity Reduction Evaluations (TREs)

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

☐ Yes ☒ No

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

N/A

### Section 3. Summary of WET Tests

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

**Table 5.0(1) Summary of WET Tests**

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal
	See Attachment G		

# DOMESTIC WASTEWATER PERMIT APPLICATION

## WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works.

### Section 1. All POTWs (Instructions Page 89)

#### A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs - non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

#### B. Treatment plant interference

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

☐ Yes ☒ No

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

N/A

### C. Treatment plant pass through

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

☐ Yes ☒ No

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

N/A

### D. Pretreatment program

Does your POTW have an approved pretreatment program?

☒ Yes ☐ No

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

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☐ No N/A

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.

### E. Service Area Map

Attach a map indicating the service area of the POTW. The map should include the applicant's service area boundaries and the location of any known industrial users discharging to the POTW. Please see the instructions for guidance.

Attachment: N/A

## 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.

N/A

**B. Non-substantial modifications**

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

☐ Yes ☒ No

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

N/A

**C. Effluent parameters above the MAL**

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

**Table 6.0(1) – Parameters Above the MAL**

Pollutant	Concentration	MAL	Units	Date
See Attachment H				

**D. Industrial user interruptions**

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

☐ Yes ☒ No

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

N/A

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

#### A. General information

Company Name: N/A

SIC Code: N/A

Contact name: N/A

Address: N/A

City, State, and Zip Code: N/A

Telephone number: N/A

Email address: N/A

#### B. Process information

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

N/A

#### C. Product and service information

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

N/A

#### D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: N/A

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: N/A

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: N/A

N/A

Category: N/A

Subcategories: N/A

Category: N/A

Subcategories: N/A

Category: N/A

Subcategories: N/A

Category: N/A

Subcategories: N/A

#### F. Industrial user interruptions

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

☐ Yes ☒ No

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

N/A

**CITY OF ROUND ROCK, CITY OF CEDAR PARK, CITY OF AUSTIN, AND CITY OF LEANDER  
BRUSHY CREEK REGIONAL WEST WASTEWATER TREATMENT FACILITY  
TPDES PERMIT RENEWAL APPLICATION**

**TABLE OF ATTACHMENTS**

<b><u>No.</u></b>	<b><u>Description</u></b>	<b><u>Reference</u></b>
A	Core Data Form	Admin Rpt 1.0, Section 3.C
B	Plain Language Summary	Admin Rpt 1.0, Section 8.F
C	USGS Map	Admin Rpt 1.0, Section 13
D	Process Flow Diagram	Tech Rpt 1.0, Section 2.C
E	Site Drawing	Tech Rpt 1.0, Section 3
F	Pollutant Analysis of Treated Effluent	Tech Rpt 1.0, Section 7; Wks 4.0 Section 1 & 2
G	Summary of WET Test Results	Wks 5.0 Section 3
H	Effluent Parameters Above the MAL	Wks 6.0 Section 2.C

**ATTACHMENT A**

**Core Data Form  
Admin Rpt 1.0, Section 3.C**



# 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

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)	
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)	
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input checked="" type="checkbox"/> Other <b>Change in Ownership</b>
<b>2. Customer Reference Number</b> (if issued)	<b>3. Regulated Entity Reference Number</b> (if issued)
CN 600413181	RN 100822592

[Follow this link to search for CN or RN numbers in Central Registry\\*\\*](#)

## SECTION II: Customer Information

<b>4. General Customer Information</b>	<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)	11/12/2024
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input checked="" type="checkbox"/> Change in Regulated Entity Ownership		
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>		
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)		<i>If new Customer, enter previous Customer below:</i>
City of Round Rock		
<b>7. TX SOS/CPA Filing Number</b>	<b>8. TX State Tax ID</b> (11 digits)	<b>9. Federal Tax ID</b> (9 digits)
		<b>10. DUNS Number</b> (if applicable)
<b>11. Type of Customer:</b>		
<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual
Government: <input checked="" type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:
<b>12. Number of Employees</b>		<b>13. Independently Owned and Operated?</b>
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input checked="" type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following		
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:		
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant		
<b>15. Mailing Address:</b>	212 East Main Street	
<b>City</b>	Round Rock	<b>State</b> TX
<b>ZIP</b>	78664	<b>ZIP + 4</b> 5245
<b>16. Country Mailing Information</b> (if outside USA)		<b>17. E-Mail Address</b> (if applicable)
		lhadley@roundrocktexas.gov
<b>18. Telephone Number</b>	<b>19. Extension or Code</b>	<b>20. Fax Number</b> (if applicable)

## SECTION III: Regulated Entity Information

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

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

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

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

Brushy Creek Regional West Wastewater Treatment Facility

### 23. Street Address of the Regulated Entity:

(No PO Boxes)

1116 East Austin Avenue

City

Round Rock

State

TX

ZIP

78664

ZIP + 4

### 24. County

Williamson

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

### 25. Description to Physical Location:

### 26. Nearest City

State

Nearest ZIP Code

Round Rock

TX

78664

**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

30

30

50

97

40

0

### 29. Primary SIC Code

### 30. Secondary SIC Code

### 31. Primary NAICS Code

### 32. Secondary NAICS Code

(4 digits)

(4 digits)

(5 or 6 digits)

(5 or 6 digits)

4952

221320

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

Treatment of domestic wastewater

### 34. Mailing Address:

3400 Sunrise Road

City

Round Rock

State

TX

ZIP

78665

ZIP + 4

2398

### 35. E-Mail Address:

mthane@roundrocktexas.gov

### 36. Telephone Number

### 37. Extension or Code

### 38. Fax Number *(if applicable)*

( 512 ) 218-3236

( 512 ) 218-5563

**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.

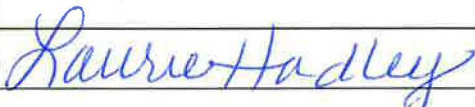
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:
	WQ0010264001			

#### **SECTION IV: Preparer Information**

<b>40. Name:</b>	Jenni Griesel	<b>41. Title:</b>	Project Engineer
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>
( 512 ) 687-2193		( ) -	jgriesel@plummer.com

#### **SECTION V: Authorized Signature**

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

<b>Company:</b>	City of Round Rock	<b>Job Title:</b>	City Manager
<b>Name (In Print):</b>	Laurie Hadley	<b>Phone:</b>	( 512 ) 218- 5410
<b>Signature:</b>		<b>Date:</b>	8/03/2024



# 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

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)	
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)	
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input checked="" type="checkbox"/> Other <b>Change in Ownership</b>
<b>2. Customer Reference Number</b> (if issued)	<b>3. Regulated Entity Reference Number</b> (if issued)
CN 600407951	RN 100822592

[Follow this link to search for CN or RN numbers in Central Registry\\*\\*](#)

## SECTION II: Customer Information

<b>4. General Customer Information</b>	<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)	11/12/2024
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input checked="" type="checkbox"/> Change in Regulated Entity Ownership		
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>		
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John) <i>If new Customer, enter previous Customer below:</i>		
City of Cedar Park		
<b>7. TX SOS/CPA Filing Number</b>	<b>8. TX State Tax ID</b> (11 digits)	<b>9. Federal Tax ID</b> (9 digits)
		<b>10. DUNS Number</b> (if applicable)
<b>11. Type of Customer:</b>	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual
Government: <input checked="" type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
<b>12. Number of Employees</b>	<b>13. Independently Owned and Operated?</b>	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input checked="" type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following		
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:		
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant		
<b>15. Mailing Address:</b>	450 Cypress Creek Road	
	Bldg 1	
	City	Cedar Park
	State	TX
	ZIP	78613
	ZIP + 4	3000
<b>16. Country Mailing Information</b> (if outside USA)	<b>17. E-Mail Address</b> (if applicable)	
	brenda.eivens@cedarparktexas.gov	
<b>18. Telephone Number</b>	<b>19. Extension or Code</b>	<b>20. Fax Number</b> (if applicable)

## SECTION III: Regulated Entity Information

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

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

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

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

Brushy Creek Regional West Wastewater Treatment Facility

### 23. Street Address of the Regulated Entity:

**(No PO Boxes)**

1116 East Austin Avenue

City

Round Rock

State

TX

ZIP

78664

ZIP + 4

### 24. County

Williamson

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

### 25. Description to Physical Location:

### 26. Nearest City

State

Nearest ZIP Code

Round Rock

TX

78664

**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

30

30

50

97

40

0

### 29. Primary SIC Code

### 30. Secondary SIC Code

### 31. Primary NAICS Code

### 32. Secondary NAICS Code

(4 digits)

(4 digits)

(5 or 6 digits)

(5 or 6 digits)

4952

221320

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

Treatment of domestic wastewater

### 34. Mailing Address:

3400 Sunrise Road

City

Round Rock

State

TX

ZIP

78665

ZIP + 4

2398

### 35. E-Mail Address:

mthane@roundrocktexas.gov

### 36. Telephone Number

### 37. Extension or Code

### 38. Fax Number *(if applicable)*

( 512 ) 218-3236

( 512 ) 218-5563

**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.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:
	WQ0010264001			

## **SECTION IV: Preparer Information**

<b>40. Name:</b>	Jenni Griesel	<b>41. Title:</b>	Project Engineer
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>
( 512 ) 687-2193		( ) -	jgriesel@plummer.com

## **SECTION V: Authorized Signature**

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

<b>Company:</b>	City of Cedar Park	<b>Job Title:</b>	City Manager
<b>Name (In Print):</b>	Brenda Eivens	<b>Phone:</b>	( 512 ) 401- 5010
<b>Signature:</b>		<b>Date:</b>	8/15/2024



# 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

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input checked="" type="checkbox"/> Other <b>Change in Ownership</b>
<b>2. Customer Reference Number</b> (if issued)	<a href="#">Follow this link to search for CN or RN numbers in Central Registry**</a>	<b>3. Regulated Entity Reference Number</b> (if issued)
CN 600135198		RN 100822592

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)		11/12/2024	
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>					
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
City of Austin					
<b>7. TX SOS/CPA Filing Number</b>		<b>8. TX State Tax ID</b> (11 digits)		<b>9. Federal Tax ID</b> (9 digits)	<b>10. DUNS Number</b> (if applicable)
<b>11. Type of Customer:</b>		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input checked="" type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:	
<b>12. Number of Employees</b>				<b>13. Independently Owned and Operated?</b>	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input checked="" type="checkbox"/> 501 and higher				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
<b>15. Mailing Address:</b>	625 East 10th Street				
	Suite 800				
	<b>City</b>	Austin	<b>State</b>	TX	<b>ZIP</b> 78701 <b>ZIP + 4</b> 2612
<b>16. Country Mailing Information</b> (if outside USA)				<b>17. E-Mail Address</b> (if applicable)	
				shay.roalson@austintexas.gov	
<b>18. Telephone Number</b>		<b>19. Extension or Code</b>		<b>20. Fax Number</b> (if applicable)	

## SECTION III: Regulated Entity Information

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

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

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

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

Brushy Creek Regional West Wastewater Treatment Facility

### 23. Street Address of the Regulated Entity:

(No PO Boxes)

1116 East Austin Avenue

City

Round Rock

State

TX

ZIP

78664

ZIP + 4

### 24. County

Williamson

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

### 25. Description to Physical Location:

### 26. Nearest City

State

Nearest ZIP Code

Round Rock

TX

78664

**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

30

30

50

97

40

0

### 29. Primary SIC Code

### 30. Secondary SIC Code

### 31. Primary NAICS Code

### 32. Secondary NAICS Code

(4 digits)

(4 digits)

(5 or 6 digits)

(5 or 6 digits)

4952

221320

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

Treatment of domestic wastewater

### 34. Mailing Address:

3400 Sunrise Road

City

Round Rock

State

TX

ZIP

78665

ZIP + 4

2398

### 35. E-Mail Address:

mthane@roundrocktexas.gov

### 36. Telephone Number

### 37. Extension or Code

### 38. Fax Number *(if applicable)*

( 512 ) 218-3236

( 512 ) 218-5563

**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.

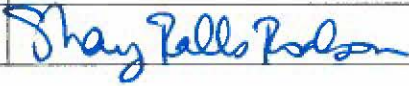
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:
	WQ0010264001			

#### **SECTION IV: Preparer Information**

<b>40. Name:</b>	Jenni Griesel	<b>41. Title:</b>	Project Engineer
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>
( 512 ) 687-2193		(   ) -   -   -	jgriesel@plummer.com

#### **SECTION V: Authorized Signature**

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

<b>Company:</b>	City of Austin	<b>Job Title:</b>	Director of Austin Water
<b>Name (In Print):</b>	Shay Ralls Roalson	<b>Phone:</b>	( 512 ) 972- 0108
<b>Signature:</b>		<b>Date:</b>	7/31/2024



# 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

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)	
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)	
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input checked="" type="checkbox"/> Other <b>Change in Ownership</b>
<b>2. Customer Reference Number</b> (if issued)	<b>3. Regulated Entity Reference Number</b> (if issued)
CN 600646012	RN 100822592

[Follow this link to search for CN or RN numbers in Central Registry\\*\\*](#)

## SECTION II: Customer Information

<b>4. General Customer Information</b>	<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)	11/12/2024
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input checked="" type="checkbox"/> Change in Regulated Entity Ownership		
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>		
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John) <i>If new Customer, enter previous Customer below:</i>		
City of Leander		
<b>7. TX SOS/CPA Filing Number</b>	<b>8. TX State Tax ID</b> (11 digits)	<b>9. Federal Tax ID</b> (9 digits)
		<b>10. DUNS Number</b> (if applicable)
<b>11. Type of Customer:</b>	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual
Government: <input checked="" type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
<b>12. Number of Employees</b>	<b>13. Independently Owned and Operated?</b>	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input checked="" type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following		
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:		
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant		
<b>15. Mailing Address:</b>	201 N. Brushy Street	
<b>City</b>	Leander	<b>State</b> TX
<b>ZIP</b>	78641	<b>ZIP + 4</b>
<b>16. Country Mailing Information</b> (if outside USA)	<b>17. E-Mail Address</b> (if applicable)	
N/A	iturner@leandertx.gov	
<b>18. Telephone Number</b>	<b>19. Extension or Code</b>	<b>20. Fax Number</b> (if applicable)

### SECTION III: Regulated Entity Information

<b>21. General Regulated Entity Information</b> (If 'New Regulated Entity' is selected, a new permit application is also required.)								
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information								
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>								
<b>22. Regulated Entity Name</b> (Enter name of the site where the regulated action is taking place.)								
Brushy Creek Regional West Wastewater Treatment Facility								
<b>23. Street Address of the Regulated Entity:</b>  (No PO Boxes)	1116 East Austin Avenue							
	<b>City</b>	Round Rock	<b>State</b>	TX	<b>ZIP</b>	78664	<b>ZIP + 4</b>	
<b>24. County</b>	Williamson							

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

<b>25. Description to Physical Location:</b>										
<b>26. Nearest City</b>					<b>State</b>				<b>Nearest ZIP Code</b>	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>										
<b>27. Latitude (N) In Decimal:</b>						<b>28. Longitude (W) In Decimal:</b>				
Degrees	Minutes		Seconds		Degrees	Minutes		Seconds		
30	30		50		97	40		0		
<b>29. Primary SIC Code</b> (4 digits)		<b>30. Secondary SIC Code</b> (4 digits)		<b>31. Primary NAICS Code</b> (5 or 6 digits)			<b>32. Secondary NAICS Code</b> (5 or 6 digits)			
4952				221320						
<b>33. What is the Primary Business of this entity?</b> (Do not repeat the SIC or NAICS description.)										
Treatment of domestic wastewater										
<b>34. Mailing Address:</b>	3400 Sunrise Road									
	<b>City</b>	Round Rock	<b>State</b>	TX	<b>ZIP</b>	78665	<b>ZIP + 4</b>	2398		
<b>35. E-Mail Address:</b>		mthane@roundrocktexas.gov								
<b>36. Telephone Number</b>				<b>37. Extension or Code</b>			<b>38. Fax Number</b> (if applicable)			
( 512 ) 218-3236							( 512 ) 218-5563			

**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.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:
	WQ0010264001			

#### **SECTION IV: Preparer Information**

<b>40. Name:</b>	Jenni Griesel			<b>41. Title:</b>	Project Engineer
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>		
( 512 ) 687-2193		(   ) -	jgriesel@plummer.com		

#### **SECTION V: Authorized Signature**

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

<b>Company:</b>	City of Leander	<b>Job Title:</b>	City Manager
<b>Name (In Print):</b>	Todd Parton	<b>Phone:</b>	( 512 ) 528- 2929
<b>Signature:</b>		<b>Date:</b>	7/30/2014

**ATTACHMENT B**

**Plain Language Summary  
Admin Rpt 1.0, Section 8.F**



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

### PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

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

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

City of Round Rock (CN600413181), City of Cedar Park (CN600407951), City of Austin (CN600135198), and City of Leander (CN600646012) operate the Brushy Creek Regional West Wastewater Treatment Facility (RN100822592), a plug-flow activated sludge wastewater treatment facility. The facility is located at 1116 East Austin Avenue, in Round Rock, Williamson County, Texas 78664. This application is for a renewal to discharge an annual average flow of 3,000,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain 5-day carbonaceous biochemical oxygen demand, total suspended solids, ammonia nitrogen, total phosphorus, and *E. coli*. Domestic wastewater is treated by two mechanical fine screens, two aeration basins, two secondary clarifiers, and an ultraviolet disinfection system.

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

### AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES

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

La ciudad de Round Rock (CN600413181), la ciudad de Cedar Park (CN600407951), la ciudad de Austin (CN600135198) y la ciudad de Leander (CN600646012) operan la instalación de tratamiento de aguas residuales del Brushy Creek Regional West (RN100822592), una instalación de tratamiento de aguas residuales de lodos activados de flujo pistón. La instalación está ubicada en 1116 East Austin Avenue, en la ciudad de Round Rock, Condado de Williamson, Texas 78664. Esta solicitud es para una renovación para descargar un flujo promedio anual de 3,000,000 de galones por día de aguas residuales domésticas tratadas.

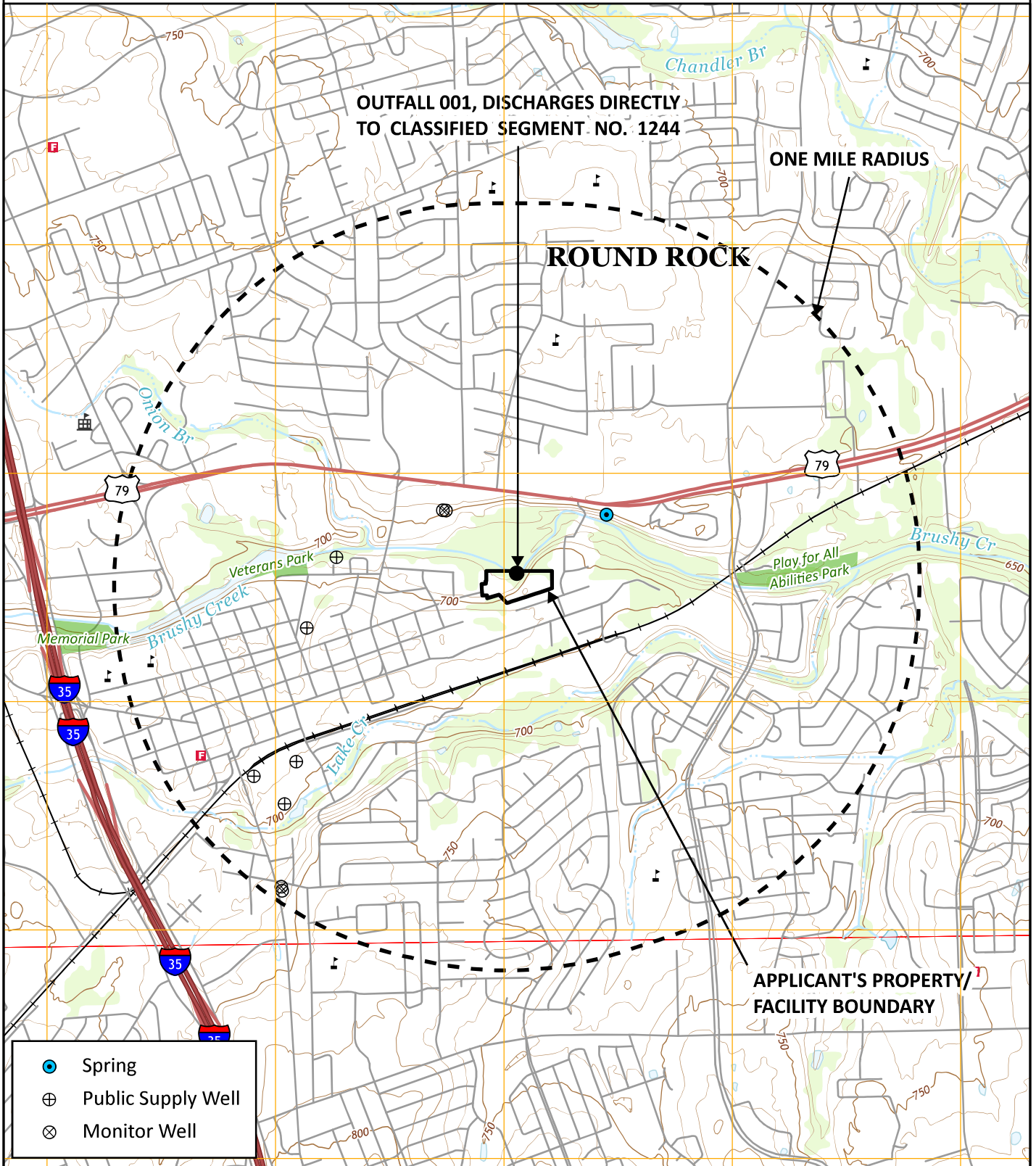
Se espera que las descargas de la instalación contengan demanda bioquímica carbonosa de oxígeno de 5 días, sólidos suspendidos totales, nitrógeno amoniacal, fósforo total, y *E. coli*. Aguas residuales domésticas son tratadas por dos cribas finas mecánicas, dos cuencas de aireación, dos clarificadores secundarios y un sistema de desinfección ultravioleta.

**ATTACHMENT C**

**USGS Map  
Admin Rpt 1.0, Section 13**



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- Spring
- ⊕ Public Supply Well
- ⊗ Monitor Well

ATTACHMENT C  
CITY OF ROUND ROCK, CITY OF CEDAR PARK, CITY OF AUSTIN, AND CITY OF LEANDER  
BRUSHY CREEK REGIONAL WEST WASTEWATER TREATMENT FACILITY  
TPDES PERMIT RENEWAL APPLICATION  
USGS MAP

**ATTACHMENT D**

**Process Flow Diagram  
Tech Rpt 1.0, Section 2.C**

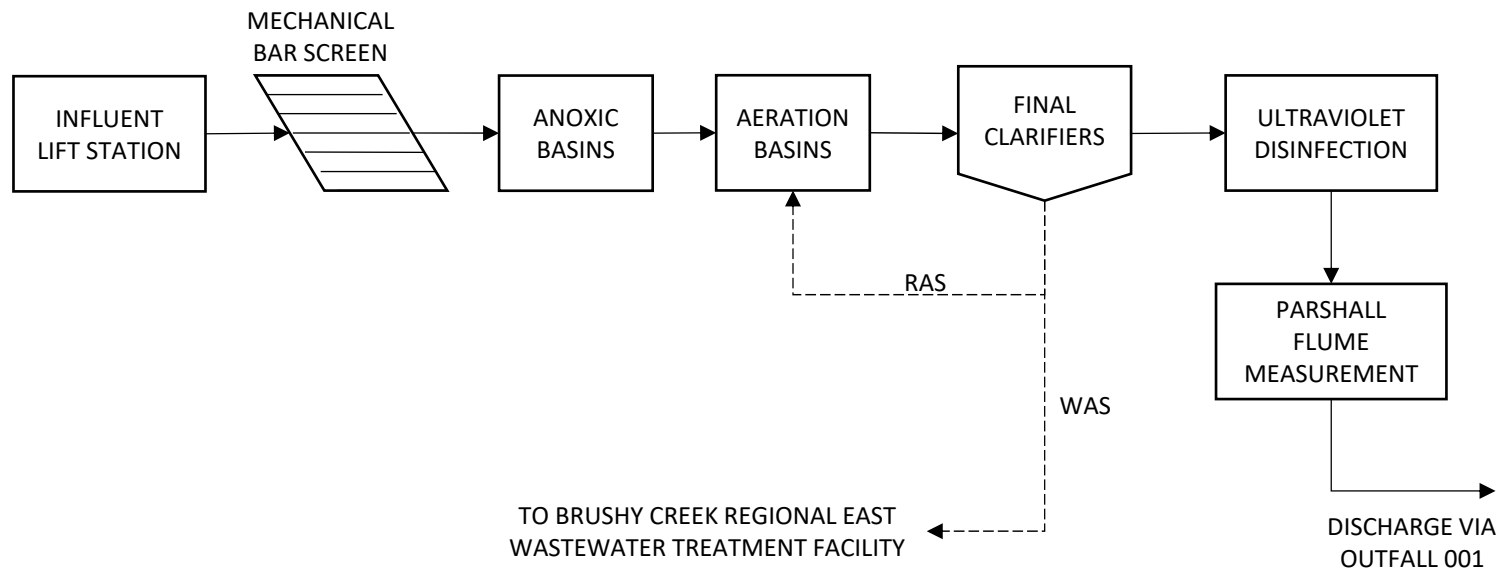


PLUMMER

LEGEND

—— FLOW STREAM, LIQUIDS

----- FLOW STREAM, SOLIDS



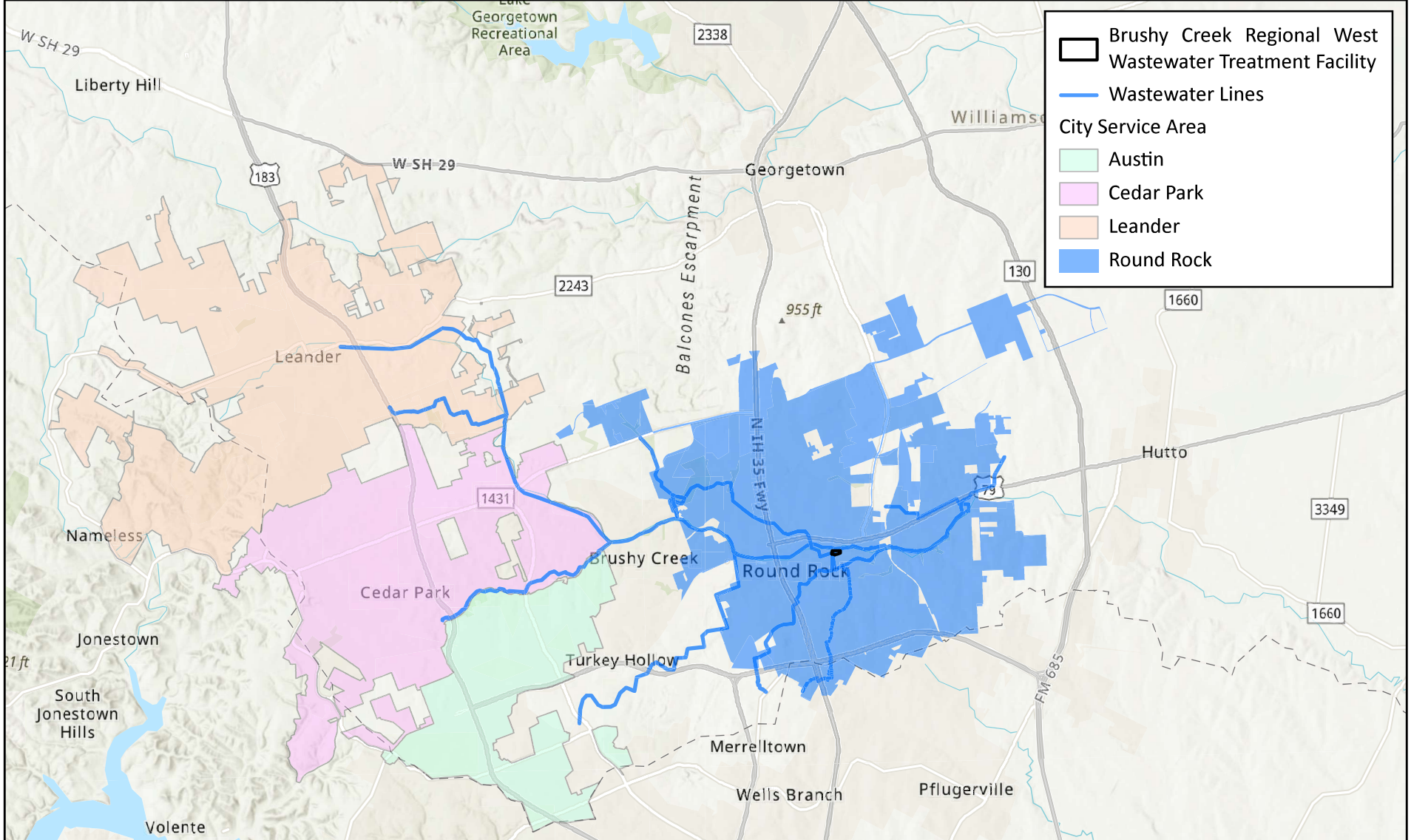
ATTACHMENT D  
CITY OF ROUND ROCK, CITY OF CEDAR PARK, CITY OF AUSTIN, AND CITY OF LEANDER  
BRUSHY CREEK REGIONAL WEST WASTEWATER TREATMENT FACILITY  
TPDES PERMIT RENEWAL APPLICATION  
PROCESS FLOW DIAGRAM

**ATTACHMENT E**

**Site Drawing  
Tech Rpt 1.0, Section 3**



PLUMMER



ATTACHMENT E  
CITY OF ROUND ROCK, CITY OF CEDAR PARK, CITY OF AUSTIN, AND CITY OF LEANDER  
BRUSHY CREEK REGIONAL WEST WASTEWATER TREATMENT FACILITY  
TPDES PERMIT RENEWAL APPLICATION  
SITE DRAWING

**ATTACHMENT F**

**Pollutant Analysis of Treated Effluent  
Tech Rpt 1.0, Section 7; Wks 4.0 Section 1 & 2**



March 22, 2024

Ryan Bornn  
CITY OF ROUND ROCK  
2008 Enterprise  
ROUND ROCK, Texas 78664  
TEL: (512) 218-5561

FAX:

Order No.: 2402342

RE: IPP West Plant SHORT QTR

Dear Ryan Bornn:

DHL Analytical, Inc. received 6 sample(s) on 2/27/2024 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAP except where noted in the Case Narrative. All non-NELAP methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

A handwritten signature in red ink, appearing to read 'John DuPont', written in a cursive style.

John DuPont  
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification  
Number: T104704211-23-29



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Analytical Report 2402342 ..... 25

AnalyticalQCSummaryReport 2402342 ..... 31

Subcontract Report 2402342 ..... 48



2300 Double Creek Dr. Round Rock, TX 78664

Phone 512.388.8222

Web: [www.dhlanalytical.com](http://www.dhlanalytical.com)Email: [login@dhlanalytical.com](mailto:login@dhlanalytical.com)

## CHAIN-OF-CUSTODY

PAGE 1 OF 1

CLIENT: City of Round Rock		DATE: 02/27/2024		LAB USE ONLY	
ADDRESS: 3400 Sunrise Rd., Round Rock, TX 78665		PO#:		DHL WORKORDER #: 2402342	
PHONE: 512-218-6636 EMAIL: rbornn@roundrocktexas.gov		PROJECT LOCATION OR NAME: IPP West Plant SHORT OTR			
DATA REPORTED TO: rbornn@roundrocktexas.gov		CLIENT PROJECT #			
ADDITIONAL REPORT COPIES TO: kharris@roundrocktexas.gov		COLLECTOR: Tom Villanueva			
Authorize 5% surcharge for TRRP report? <input type="checkbox"/> Yes <input type="checkbox"/> No		W=WATER SE=SEDIMENT L=LIQUID P=PAINT S=SOIL SL=SLUDGE SO=SOLID		PRESERVATION HCL <input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> Zn Acetate <input type="checkbox"/> ICE <input type="checkbox"/> UNPRESERVE <input checked="" type="checkbox"/>	
Field Sample I.D.		DHL Lab #		ANALYSES	
Collection Date		Collection Time		Matrix	
Container Type		# of Containers		BTEX <input type="checkbox"/> MTBE <input type="checkbox"/> (METHOD 8260) TPH 1005 <input type="checkbox"/> TPH 1006 <input type="checkbox"/> HLD 1006 <input type="checkbox"/> GRO 8015 <input type="checkbox"/> DRD 8015 <input type="checkbox"/> VOC 8260 <input type="checkbox"/> VOC 624.1 <input type="checkbox"/> SVOC 8270 <input type="checkbox"/> SVOC 625.1 <input type="checkbox"/> PAH 8270 <input type="checkbox"/> HLD PAH <input type="checkbox"/> PEST 8270 <input type="checkbox"/> 625.1 <input type="checkbox"/> O-P PEST 8270 <input type="checkbox"/> PCB 8062 <input type="checkbox"/> PCB 8270 <input type="checkbox"/> PCB 625.1 <input type="checkbox"/> HERB 8321 <input type="checkbox"/> 1 PHOS <input type="checkbox"/> AMMONIA <input type="checkbox"/> METALS 6020 <input type="checkbox"/> 200.8 <input type="checkbox"/> DISS. METALS <input type="checkbox"/> ICRA 8 <input type="checkbox"/> TX11 <input type="checkbox"/> PHI HEX CHROM <input checked="" type="checkbox"/> ALUMINO <input type="checkbox"/> ANIONS 300 <input type="checkbox"/> 3056 <input type="checkbox"/> TCP-SVOC <input type="checkbox"/> VOC <input type="checkbox"/> PEST <input type="checkbox"/> HERB <input type="checkbox"/> TCP-METALS <input type="checkbox"/> ICRA 8 <input type="checkbox"/> TX-11 <input type="checkbox"/> Pb <input type="checkbox"/> IC <input type="checkbox"/> ION <input type="checkbox"/> OIL & GREASE <input type="checkbox"/> TDS <input type="checkbox"/> TSS <input type="checkbox"/> % MOIST <input type="checkbox"/> CYANIDE <input type="checkbox"/> LL Hg <input type="checkbox"/>	
Influent Grab 1		02/27/24		12:00	
Influent Grab 1		02/27/24		12:00	
W		G		1	
W		P		1	
LLg-HCL					
CR(VI) ICE					
Relinquished By: (Sign)		DATE/TIME		Received by:	
2.27.24		2.27.24		2.27.24	
Relinquished By: (Sign)		DATE/TIME		Received by:	
2.27.24		2.27.24		2.27.24	
Relinquished By: (Sign)		DATE/TIME		Received by:	
2.27.24		2.27.24		2.27.24	
TURN AROUND TIME (CALL FIRST FOR RUSH)		LAB USE ONLY		THERMO #:	
RUSH-1 DAY <input type="checkbox"/> RUSH-2 DAY <input type="checkbox"/> RUSH-3 DAY <input type="checkbox"/> NORMAL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> DUE DATE		RECEIVING TEMP (°C): 4.1°C		78	
IF >6°C, ARE SAMPLES ON ICE AND JUST COLLECTED? YES / NO		CUSTODY SEALS ON ICE CHEST: <input type="checkbox"/> BROKEN <input type="checkbox"/> INTACT <input checked="" type="checkbox"/> NOT USED		CARRIER: <input type="checkbox"/> LSO <input type="checkbox"/> FEDEX <input type="checkbox"/> UPS <input type="checkbox"/> COURIER <input checked="" type="checkbox"/> HAND DELIVERED	

☐ DHL DISPOSAL @ \$10.00 each

DHL COC REV 4 | MAR 2023



2300 Double Creek Dr. Round Rock, TX 78664  
Phone 512.388.8222  
Web: [www.dhlanalytical.com](http://www.dhlanalytical.com)  
Email: [login@dhlanalytical.com](mailto:login@dhlanalytical.com)

2300 Double Creek Dr. Round Rock, TX 78664  
Phone 512.388.8222  
Web: [www.dhlanalytical.com](http://www.dhlanalytical.com)  
Email: [login@dhlanalytical.com](mailto:login@dhlanalytical.com)





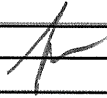
Brushy Creek West WWTP  
Short Quarter IPP Monitoring Influent/

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow(MGD)	Tech (Initial)	Comments
Day 1	1200	Influent	Grab	Oil and Grease	1-250ml Amber w/H2SO4	* 1.56 MGD	TW	
				Phenols	1-250ml Amber			
				Cyanide	1-250ml Plastic w/NaOH			
				LL Hg	1-500 ml glass w/HCl			
				Chromium VI	1-250ml plastic			

Brushy Creek East WWTP  
Short Quarter IPP Monitoring Influent

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow(MGD)	Tech (Initial)	Comments
Day 1	1800	Influent	Grab	Oil and Grease Phenols Cyanide	1-250ml Amber w/H2SO4	2.05		
					1-250ml Amber			
					1-250ml Plastic w/NaOH			

Brushy Creek West WWTP  
Short Quarter IPP Monitoring Effluent

Date	nme	location	Type	Parameter	Bottle/Preservative	Flow(MGD)	Tech (Initial)	Comments
Day 1	2359	Effluent	Grab	Oil and Grease	1-250ml Amber w/H2SO4	1.75		
				Phenols	1-250ml Amber			
				Cyanide	1-250ml Plastic w/NaOH			
				LL Hg	1-500 ml glass w/HCl			
				Chromium VI	1-250ml plastic			

Brushy Creek East WWTP  
Short Quarter IPP Monitoring Influent

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow(MGD)	Tech (Initial)	Comments
Day 1	2359	Influent	Grab	Oil and Grease	1-250ml Amber w/H2SO4	1.37		
				Phenols	1-250ml Amber			
				Cyanide	1-250ml Plastic w/NaOH			

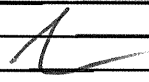
Brushy Creek East WWTP  
Short Quarter IPP Monitoring Influent

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow(MGD)	Tech (Initial)	Comments
Day 2	0600	Influent	Grab	Oil and Grease	1-250ml Amber w/H2SO4	.892		
				Phenols	1-250ml Amber			
				Cyanide	1-250ml Plastic w/NaOH			

Brushy Creek East WWTP  
Short Quarter IPP Monitoring Effluent

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
Day 2	0600	Effluent	Grab	Oil and Grease Phenols Cyanide	1-250ml Amber w/H2SO4 1-250ml Amber 1-250ml Plastic w/NaOH	.892		
							A	

Brushy Creek East WWTP  
Short Quarter IPP Monitoring Effluent

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
Day2	1200	Effluent	Grab	Oil and Grease	1-250ml Amber w/H2SO4	1.27		
				Phenols	1-250ml Amber			
				Cyanide	1-250ml Plastic w/NaOH			

Brushy Creek East WWTP  
Short Quarter IPP Monitoring Effluent

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow(MGD)	Tech (Initial)	Comments
Day2	1800	Effluent	Grab	Oil and Grease	1-250ml Amber w/H2SO4	1.92		
				Phenols	1-250ml Amber			
				Cyanide	1-250ml Plastic w/NaOH			

Brushy Creek East WWTP  
Short Quarter IPP Monitoring Effluent

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow(MGD)	Tech (Initial)	Comments
Day 1 -	Start at MIDNIGHT	Effluent	Comp					
Day 2 -	Off at MIDNIGHT	Effluent	Comp	Metals (plus Mn & Mo) Phosphorous Fluoride/Nitrate	1-500ml plastic w/HNO3 1-250ml plastic w/H2SO4 1-250ml plastic	1.73		


Sample Receipt Checklist

Client Name: CITY OF ROUND ROCK


Date Received: 2/27/2024

Work Order Number: 2402342

Received by: KAO

Checklist completed by:   
Signature

2/27/2024  
Date

Reviewed by:   
Initials

2/27/2024  
Date

Carrier name: Hand Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/> NA <input type="checkbox"/>
Water - pH<2 acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____	Checked by _____	
Water - pH>9 (S) or pH>10 (CN) acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____	Checked by _____	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Cooler # 1

Temp °C 4.1

Seal Intact NP

Any No response must be detailed in the comments section below.

Client contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action: \_\_\_\_\_

Day 2

### Sample Receipt Checklist

Client Name: CITY OF ROUND ROCK

Date Received: 2/27/2024

Work Order Number: 2402342


Received by: KAO

Checklist completed by: 

2/28/2024

Signature

Date

Reviewed by: 

2/28/2024

Initials

Date

Carrier name: Hand Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/> NA <input type="checkbox"/>
Water - pH<2 acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____	Checked by _____	
Water - pH>9 (S) or pH>10 (CN) acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____	Checked by _____	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Cooler #	1		
Temp °C	4.3		
Seal Intact	NP		

Any No response must be detailed in the comments section below.

Client contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action: \_\_\_\_\_

Day 3

Sample Receipt Checklist

Client Name: CITY OF ROUND ROCK

Date Received: 2/27/2024

Work Order Number: 2402342

Received by: KAO

Checklist completed by:

  
Signature

2/29/2024

Date

Reviewed by:

  
Initials

2/29/2024

Date

Carrier name: Hand Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/> NA <input type="checkbox"/>
Water - pH<2 acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/> LOT # 13171
	Adjusted? <u>no</u>		Checked by <u>EL</u>
Water - pH>9 (S) or pH>10 (CN) acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/> LOT # 12798
	Adjusted? <u>no</u>		Checked by <u>EL</u>
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Cooler #	1	2
Temp °C	0.5	0.6
Seal Intact	NP	NP

Any No response must be detailed in the comments section below.

Client contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action: \_\_\_\_\_

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP West Plant SHORT QTR  
**Lab Order:** 2402342

**CASE NARRATIVE**

Samples were analyzed using the methods outlined in the following references:

Method E200.8 - Metals Analysis  
Method E300 - Anions Analysis  
Method E1664A - Oil & Grease Analysis  
Method E625.1 - Semivolatile Organics Analysis  
Method M4500-CN E - Cyanide Analysis  
Method M3500-Cr B - Hexavalent Chromium Analysis  
Method M3500-Cr B - Trivalent Chromium (calculation) (this calculation is not NELAP certified)  
Method M4500-P E - Total Phosphorus Analysis  
Sub-contract - Mercury analysis by method E245.7. Analyzed at Pollution Control Services.

**LOG IN**

The samples were received and log-in performed on 2/27/24 through 2/29/24. A total of 6 samples were received. The samples arrived in good condition and were properly packaged. A composite of the samples was performed in the laboratory at time of analysis for Oil and Grease, Cyanide and Semivolatile Organics.

**OIL & GREASE ANALYSIS**

For Oil & Grease analysis performed on 3/6/24 Oil & Grease was detected below the reporting limit in the method blank (MB-114341). Sample Influent Grabs 1-4 was detected greater than 10 times the amount in the blank and sample Effluent Grabs 1-4 was below detection limits. No further corrective actions were taken.

For Oil & Grease analysis an MS was not performed due to insufficient sample volume. An LCS/LCSD was performed instead.

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**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP West Plant SHORT QTR  
**Lab Order:** 2402342**Work Order Sample Summary**

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Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2402342-01	Influent Grab 1		02/27/24 12:00 PM	02/27/2024
2402342-02	Effluent Grab 1		02/27/24 11:59 PM	02/28/2024
2402342-03	Influent Grabs 1-4		02/28/24 06:00 AM	02/29/2024
2402342-04	Effluent Grabs 1-4		02/28/24 06:00 PM	02/29/2024
2402342-05	Influent Comp		02/28/24 12:00 PM	02/29/2024
2402342-06	Effluent Comp		02/28/24 11:59 PM	02/29/2024

**Lab Order:** 2402342  
**Client:** CITY OF ROUND ROCK  
**Project:** IPP West Plant SHORT QTR

**PREP DATES REPORT**

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2402342-01A	Influent Grab 1	02/27/24 12:00 PM	Aqueous	M3500-Cr B	Hexachrom Prep Water	02/28/24 10:28 AM	114226
	Influent Grab 1	02/27/24 12:00 PM	Aqueous	M3500-Cr B	Hexachrom Prep Water	02/28/24 10:28 AM	114226
2402342-02A	Effluent Grab 1	02/27/24 11:59 PM	Aqueous	M3500-Cr B	Hexachrom Prep Water	02/28/24 10:28 AM	114226
	Effluent Grab 1	02/27/24 11:59 PM	Aqueous	M3500-Cr B	Hexachrom Prep Water	02/28/24 10:28 AM	114226
2402342-03A	Influent Grabs 1-4	02/28/24 06:00 AM	Aqueous	M4500-CN E	Cyanide Water Prep	03/01/24 09:10 AM	114271
2402342-03B	Influent Grabs 1-4	02/28/24 06:00 AM	Aqueous	E625_PR	Semivol Extraction for 625.1	03/05/24 09:37 AM	114319
2402342-03C	Influent Grabs 1-4	02/28/24 06:00 AM	Aqueous	E1664	1664 Prep	03/06/24 08:53 AM	114341
2402342-04A	Effluent Grabs 1-4	02/28/24 06:00 PM	Aqueous	M4500-CN E	Cyanide Water Prep	03/01/24 09:10 AM	114271
2402342-04B	Effluent Grabs 1-4	02/28/24 06:00 PM	Aqueous	E625_PR	Semivol Extraction for 625.1	03/05/24 09:37 AM	114319
2402342-04C	Effluent Grabs 1-4	02/28/24 06:00 PM	Aqueous	E1664	1664 Prep	03/06/24 08:53 AM	114341
2402342-05A	Influent Comp	02/28/24 12:00 PM	Aqueous	E200.8_PR	Aq Digestion for Metals: ICP-MS	03/05/24 07:31 AM	114311
2402342-05B	Influent Comp	02/28/24 12:00 PM	Aqueous	M4500-P E	T-Phosphorus Prep Water	03/05/24 09:11 AM	114317
2402342-05C	Influent Comp	02/28/24 12:00 PM	Aqueous	E300	Anion Preparation	02/29/24 04:17 PM	114265
2402342-06A	Effluent Comp	02/28/24 11:59 PM	Aqueous	E200.8_PR	Aq Digestion for Metals: ICP-MS	03/05/24 07:31 AM	114311
2402342-06B	Effluent Comp	02/28/24 11:59 PM	Aqueous	M4500-P E	T-Phosphorus Prep Water	03/05/24 09:11 AM	114317
2402342-06C	Effluent Comp	02/28/24 11:59 PM	Aqueous	E300	Anion Preparation	02/29/24 04:17 PM	114265

**Lab Order:** 2402342  
**Client:** CITY OF ROUND ROCK  
**Project:** IPP West Plant SHORT QTR

**ANALYTICAL DATES REPORT**

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2402342-01A	Influent Grab 1	Aqueous	M3500-Cr B	Hexavalent Chromium-Water	114226	1	02/28/24 10:38 AM	UV/VIS_2_240228B
	Influent Grab 1	Aqueous	M3500-Cr B	Hexavalent Chromium-Water	114226	1	02/28/24 10:36 AM	UV/VIS_2_240228B
2402342-01B	Influent Grab 1	Aqueous	E245.7	Mercury Low Level	R132039	1	03/15/24 08:54 AM	SUB_240315A
2402342-02A	Effluent Grab 1	Aqueous	M3500-Cr B	Hexavalent Chromium-Water	114226	1	02/28/24 10:38 AM	UV/VIS_2_240228B
	Effluent Grab 1	Aqueous	M3500-Cr B	Hexavalent Chromium-Water	114226	1	02/28/24 10:41 AM	UV/VIS_2_240228B
2402342-02B	Effluent Grab 1	Aqueous	E245.7	Mercury Low Level	R132039	1	03/15/24 08:54 AM	SUB_240315A
2402342-03A	Influent Grabs 1-4	Aqueous	M4500-CN E	Cyanide - Water Sample	114271	1	03/01/24 03:31 PM	UV/VIS_2_240301B
2402342-03B	Influent Grabs 1-4	Aqueous	E625.1	625.1 Semivolatile Water	114319	1	03/05/24 10:00 PM	GCMS9_240305E
2402342-03C	Influent Grabs 1-4	Aqueous	E1664A	Total Oil & Grease	114341	1	03/06/24 05:00 PM	WC_240306C
2402342-04A	Effluent Grabs 1-4	Aqueous	M4500-CN E	Cyanide - Water Sample	114271	1	03/01/24 03:31 PM	UV/VIS_2_240301B
2402342-04B	Effluent Grabs 1-4	Aqueous	E625.1	625.1 Semivolatile Water	114319	1	03/05/24 09:15 PM	GCMS9_240305E
2402342-04C	Effluent Grabs 1-4	Aqueous	E1664A	Total Oil & Grease	114341	1	03/06/24 05:00 PM	WC_240306C
2402342-05A	Influent Comp	Aqueous	E200.8	Total Recoverable Metals: ICP-MS	114311	1	03/06/24 12:00 PM	ICP-MS5_240306B
2402342-05B	Influent Comp	Aqueous	M4500-P E	Total Phosphorus	114317	10	03/05/24 01:11 PM	UV/VIS_2_240305B
2402342-05C	Influent Comp	Aqueous	E300	Anions by IC method - Water	114265	1	02/29/24 08:33 PM	IC2_240229A
2402342-06A	Effluent Comp	Aqueous	E200.8	Total Recoverable Metals: ICP-MS	114311	1	03/06/24 11:00 AM	ICP-MS5_240306B
2402342-06B	Effluent Comp	Aqueous	M4500-P E	Total Phosphorus	114317	1	03/05/24 01:03 PM	UV/VIS_2_240305B
2402342-06C	Effluent Comp	Aqueous	E300	Anions by IC method - Water	114265	1	02/29/24 08:51 PM	IC2_240229A

**DHL Analytical, Inc.****Date:** 22-Mar-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP West Plant SHORT QTR  
**Project No:**  
**Lab Order:** 2402342

**Client Sample ID:** Influent Grab 1  
**Lab ID:** 2402342-01  
**Collection Date:** 02/27/24 12:00 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>MERCURY LOW LEVEL</b>		<b>E245.7</b>					Analyst: <b>SUB</b>
Mercury	0.0130	0.00500	0.00500		µg/L	1	03/15/24 08:54 AM
<b>HEXAVALENT CHROMIUM-WATER</b>		<b>M3500-CR B</b>					Analyst: <b>JS</b>
Chromium (Hex)	<3.00	3.00	3.00		µg/L	1	02/28/24 10:36 AM
Chromium (Tri)	<3.00	3.00	3.00	N	µg/L	1	02/28/24 10:36 AM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

**DHL Analytical, Inc.****Date:** 22-Mar-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP West Plant SHORT QTR  
**Project No:**  
**Lab Order:** 2402342

**Client Sample ID:** Effluent Grab 1  
**Lab ID:** 2402342-02  
**Collection Date:** 02/27/24 11:59 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>MERCURY LOW LEVEL</b>		<b>E245.7</b>					Analyst: <b>SUB</b>
Mercury	<0.00500	0.00500	0.00500		µg/L	1	03/15/24 08:54 AM
<b>HEXAVALENT CHROMIUM-WATER</b>		<b>M3500-CR B</b>					Analyst: <b>JS</b>
Chromium (Hex)	<3.00	3.00	3.00		µg/L	1	02/28/24 10:38 AM
Chromium (Tri)	<3.00	3.00	3.00	N	µg/L	1	02/28/24 10:38 AM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

**DHL Analytical, Inc.****Date:** 22-Mar-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP West Plant SHORT QTR  
**Project No:**  
**Lab Order:** 2402342

**Client Sample ID:** Influent Grabs 1-4  
**Lab ID:** 2402342-03  
**Collection Date:** 02/28/24 06:00 AM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>TOTAL OIL &amp; GREASE</b>		<b>E1664A</b>					Analyst: <b>CF</b>
Oil & Grease	23100	1410	5030		µg/L	1	03/06/24 05:00 PM
<b>625.1 SEMIVOLATILE WATER</b>		<b>E625.1</b>					Analyst: <b>DEW</b>
Total Phenol (Calculated)	13.0	7.12	89.0	J	µg/L	1	03/05/24 10:00 PM
Surr: 2,4,6-Tribromophenol	87.3	0	10-123		%REC	1	03/05/24 10:00 PM
Surr: 2-Fluorophenol	43.0	0	21-100		%REC	1	03/05/24 10:00 PM
Surr: Phenol-d5	30.0	0	10-94		%REC	1	03/05/24 10:00 PM
<b>CYANIDE - WATER SAMPLE</b>		<b>M4500-CN E</b>					Analyst: <b>SMA</b>
Cyanide, Available	<10.0	10.0	10.0		µg/L	1	03/01/24 03:31 PM
Cyanide, Total	<10.0	10.0	10.0		µg/L	1	03/01/24 03:31 PM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

**DHL Analytical, Inc.****Date:** 22-Mar-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP West Plant SHORT QTR  
**Project No:**  
**Lab Order:** 2402342

**Client Sample ID:** Effluent Grabs 1-4  
**Lab ID:** 2402342-04  
**Collection Date:** 02/28/24 06:00 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>TOTAL OIL &amp; GREASE</b>		<b>E1664A</b>					Analyst: <b>CF</b>
Oil & Grease	<1450	1450	5170		µg/L	1	03/06/24 05:00 PM
<b>625.1 SEMIVOLATILE WATER</b>		<b>E625.1</b>					Analyst: <b>DEW</b>
Total Phenol (Calculated)	<0.792	0.792	9.90		µg/L	1	03/05/24 09:15 PM
Surr: 2,4,6-Tribromophenol	84.8	0	10-123		%REC	1	03/05/24 09:15 PM
Surr: 2-Fluorophenol	47.2	0	21-100		%REC	1	03/05/24 09:15 PM
Surr: Phenol-d5	31.0	0	10-94		%REC	1	03/05/24 09:15 PM
<b>CYANIDE - WATER SAMPLE</b>		<b>M4500-CN E</b>					Analyst: <b>SMA</b>
Cyanide, Available	<10.0	10.0	10.0		µg/L	1	03/01/24 03:31 PM
Cyanide, Total	<10.0	10.0	10.0		µg/L	1	03/01/24 03:31 PM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

**DHL Analytical, Inc.**

Date: 22-Mar-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP West Plant SHORT QTR  
**Project No:**  
**Lab Order:** 2402342

**Client Sample ID:** Influent Comp  
**Lab ID:** 2402342-05  
**Collection Date:** 02/28/24 12:00 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>TOTAL RECOVERABLE METALS: ICP-MS</b>		<b>E200.8</b>					Analyst: <b>SP</b>
Aluminum, Total	83.7	2.50	30.0		µg/L	1	03/06/24 12:00 PM
Antimony, Total	3.36	2.50	2.50		µg/L	1	03/06/24 12:00 PM
Arsenic, Total	0.998	0.500	5.00	J	µg/L	1	03/06/24 12:00 PM
Barium, Total	51.7	3.00	10.0		µg/L	1	03/06/24 12:00 PM
Beryllium, Total	<0.500	0.500	1.00		µg/L	1	03/06/24 12:00 PM
Cadmium, Total	<1.00	1.00	1.00		µg/L	1	03/06/24 12:00 PM
Chromium, Total	<3.00	3.00	5.00		µg/L	1	03/06/24 12:00 PM
Copper, Total	29.6	2.00	10.0		µg/L	1	03/06/24 12:00 PM
Lead, Total	<0.500	0.500	1.00		µg/L	1	03/06/24 12:00 PM
Manganese	19.9	0.500	2.00		µg/L	1	03/06/24 12:00 PM
Molybdenum	2.31	1.00	5.00	J	µg/L	1	03/06/24 12:00 PM
Nickel, Total	2.25	2.00	10.0	J	µg/L	1	03/06/24 12:00 PM
Selenium, Total	<5.00	5.00	5.00		µg/L	1	03/06/24 12:00 PM
Silver, Total	<0.500	0.500	2.00		µg/L	1	03/06/24 12:00 PM
Thallium, Total	<0.500	0.500	1.50		µg/L	1	03/06/24 12:00 PM
Zinc, Total	58.4	5.00	5.00		µg/L	1	03/06/24 12:00 PM
<b>ANIONS BY IC METHOD - WATER</b>		<b>E300</b>					Analyst: <b>RA</b>
Fluoride	105	100	400	J	µg/L	1	02/29/24 08:33 PM
Nitrate-N	<100	100	500		µg/L	1	02/29/24 08:33 PM
<b>TOTAL PHOSPHORUS</b>		<b>M4500-P E</b>					Analyst: <b>KES</b>
Phosphorus	6850	400	1000		µg/L	10	03/05/24 01:11 PM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

**DHL Analytical, Inc.**

Date: 22-Mar-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP West Plant SHORT QTR  
**Project No:**  
**Lab Order:** 2402342

**Client Sample ID:** Effluent Comp  
**Lab ID:** 2402342-06  
**Collection Date:** 02/28/24 11:59 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>TOTAL RECOVERABLE METALS: ICP-MS</b>		<b>E200.8</b>					Analyst: <b>SP</b>
Aluminum, Total	31.8	2.50	30.0		µg/L	1	03/06/24 11:00 AM
Antimony, Total	<2.50	2.50	2.50		µg/L	1	03/06/24 11:00 AM
Arsenic, Total	1.01	0.500	5.00	J	µg/L	1	03/06/24 11:00 AM
Barium, Total	44.0	3.00	10.0		µg/L	1	03/06/24 11:00 AM
Beryllium, Total	<0.500	0.500	1.00		µg/L	1	03/06/24 11:00 AM
Cadmium, Total	<1.00	1.00	1.00		µg/L	1	03/06/24 11:00 AM
Chromium, Total	<3.00	3.00	5.00		µg/L	1	03/06/24 11:00 AM
Copper, Total	3.31	2.00	10.0	J	µg/L	1	03/06/24 11:00 AM
Lead, Total	<0.500	0.500	1.00		µg/L	1	03/06/24 11:00 AM
Manganese	10.3	0.500	2.00		µg/L	1	03/06/24 11:00 AM
Molybdenum	2.95	1.00	5.00	J	µg/L	1	03/06/24 11:00 AM
Nickel, Total	<2.00	2.00	10.0		µg/L	1	03/06/24 11:00 AM
Selenium, Total	<5.00	5.00	5.00		µg/L	1	03/06/24 11:00 AM
Silver, Total	<0.500	0.500	2.00		µg/L	1	03/06/24 11:00 AM
Thallium, Total	<0.500	0.500	1.50		µg/L	1	03/06/24 11:00 AM
Zinc, Total	41.7	5.00	5.00		µg/L	1	03/06/24 11:00 AM
<b>ANIONS BY IC METHOD - WATER</b>		<b>E300</b>					Analyst: <b>RA</b>
Fluoride	199	100	400	J	µg/L	1	02/29/24 08:51 PM
Nitrate-N	10300	100	500		µg/L	1	02/29/24 08:51 PM
<b>TOTAL PHOSPHORUS</b>		<b>M4500-P E</b>					Analyst: <b>KES</b>
Phosphorus	171	40.0	100		µg/L	1	03/05/24 01:03 PM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

**ANALYTICAL QC SUMMARY REPORT****RunID: ICP-MS5\_240306B**

The QC data in batch 114311 applies to the following samples: 2402342-05A, 2402342-06A

Sample ID: <b>MB-114311</b>	Batch ID: <b>114311</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>ICP-MS5_240306B</b>	Analysis Date: <b>3/6/2024 10:50:00 AM</b>	Prep Date: <b>3/5/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Aluminum, Total	<10.0	30.0
Antimony, Total	<0.800	2.50
Arsenic, Total	<2.00	5.00
Barium, Total	<3.00	10.0
Beryllium, Total	<0.300	1.00
Cadmium, Total	<0.300	1.00
Chromium, Total	<2.00	5.00
Copper, Total	<2.00	10.0
Lead, Total	<0.300	1.00
Manganese	<2.00	2.00
Molybdenum	<2.00	5.00
Nickel, Total	<3.00	10.0
Selenium, Total	<2.00	5.00
Silver, Total	<1.00	2.00
Thallium, Total	<0.500	1.50
Zinc, Total	<2.00	5.00

Sample ID: <b>LCS-114311</b>	Batch ID: <b>114311</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>ICP-MS5_240306B</b>	Analysis Date: <b>3/6/2024 10:53:00 AM</b>	Prep Date: <b>3/5/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Aluminum, Total	4980	30.0	5000	0	99.6	85	115
Antimony, Total	202	2.50	200.0	0	101	85	115
Arsenic, Total	201	5.00	200.0	0	100	85	115
Barium, Total	197	10.0	200.0	0	98.3	85	115
Beryllium, Total	199	1.00	200.0	0	99.6	85	115
Cadmium, Total	196	1.00	200.0	0	98.2	85	115
Chromium, Total	196	5.00	200.0	0	98.2	85	115
Copper, Total	202	10.0	200.0	0	101	85	115
Lead, Total	197	1.00	200.0	0	98.3	85	115
Manganese	199	2.00	200.0	0	99.4	85	115
Molybdenum	198	5.00	200.0	0	98.9	85	115
Nickel, Total	201	10.0	200.0	0	101	85	115
Selenium, Total	206	5.00	200.0	0	103	85	115
Silver, Total	199	2.00	200.0	0	99.5	85	115
Thallium, Total	204	1.50	200.0	0	102	85	115
Zinc, Total	201	5.00	200.0	0	100	85	115

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** ICP-MS5\_240306B

Sample ID: <b>LCSD-114311</b>	Batch ID: <b>114311</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>
SampType: <b>LCSD</b>	Run ID: <b>ICP-MS5_240306B</b>	Analysis Date: <b>3/6/2024 10:55:00 AM</b>	Prep Date: <b>3/5/2024</b>

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum, Total	4990	30.0	5000	0	99.9	85	115	0.270	15	
Antimony, Total	203	2.50	200.0	0	101	85	115	0.443	15	
Arsenic, Total	201	5.00	200.0	0	100	85	115	0.019	15	
Barium, Total	198	10.0	200.0	0	99.2	85	115	0.989	15	
Beryllium, Total	201	1.00	200.0	0	101	85	115	1.02	15	
Cadmium, Total	197	1.00	200.0	0	98.7	85	115	0.517	15	
Chromium, Total	197	5.00	200.0	0	98.4	85	115	0.214	15	
Copper, Total	203	10.0	200.0	0	101	85	115	0.318	15	
Lead, Total	197	1.00	200.0	0	98.7	85	115	0.422	15	
Manganese	200	2.00	200.0	0	99.8	85	115	0.415	15	
Molybdenum	198	5.00	200.0	0	99.2	85	115	0.298	15	
Nickel, Total	203	10.0	200.0	0	101	85	115	0.607	15	
Selenium, Total	206	5.00	200.0	0	103	85	115	0.149	15	
Silver, Total	199	2.00	200.0	0	99.6	85	115	0.122	15	
Thallium, Total	203	1.50	200.0	0	101	85	115	0.506	15	
Zinc, Total	202	5.00	200.0	0	101	85	115	0.614	15	

Sample ID: <b>2402342-06A SD</b>	Batch ID: <b>114311</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>
SampType: <b>SD</b>	Run ID: <b>ICP-MS5_240306B</b>	Analysis Date: <b>3/6/2024 11:03:00 AM</b>	Prep Date: <b>3/5/2024</b>

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	<50.0	150	0	31.83				0	10	
Antimony	<4.00	12.5	0	0				0	10	
Arsenic	<10.0	25.0	0	1.005				0	10	
Barium	43.6	50.0	0	44.03				1.02	10	
Beryllium	<1.50	5.00	0	0				0	10	
Cadmium	<1.50	5.00	0	0				0	10	
Chromium	<10.0	25.0	0	0				0	10	
Copper	<10.0	50.0	0	3.312				0	10	
Lead	<1.50	5.00	0	0				0	10	
Manganese	10.7	10.0	0	10.31				4.09	10	
Molybdenum	<10.0	25.0	0	2.950				0	10	
Nickel	<15.0	50.0	0	0				0	10	
Selenium	<10.0	25.0	0	0				0	10	
Silver	<5.00	10.0	0	0				0	10	
Thallium	<2.50	7.50	0	0				0	10	
Zinc	42.7	25.0	0	41.66				2.49	10	

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** ICP-MS5\_240306B

Sample ID: <b>2402342-06A PDS</b>	Batch ID: <b>114311</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>
SampType: <b>PDS</b>	Run ID: <b>ICP-MS5_240306B</b>	Analysis Date: <b>3/6/2024 11:28:00 AM</b>	Prep Date: <b>3/5/2024</b>

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	4810	30.0	5000	31.83	95.6	75	125			
Antimony	180	2.50	200.0	0	90.2	75	125			
Arsenic	200	5.00	200.0	1.005	99.7	75	125			
Barium	247	10.0	200.0	44.03	101	75	125			
Beryllium	209	1.00	200.0	0	105	75	125			
Cadmium	203	1.00	200.0	0	101	75	125			
Chromium	206	5.00	200.0	0	103	75	125			
Copper	208	10.0	200.0	3.312	102	75	125			
Lead	204	1.00	200.0	0	102	75	125			
Manganese	209	2.00	200.0	10.31	99.4	75	125			
Molybdenum	204	5.00	200.0	2.950	101	75	125			
Nickel	208	10.0	200.0	0	104	75	125			
Selenium	200	5.00	200.0	0	99.8	75	125			
Silver	207	2.00	200.0	0	103	75	125			
Thallium	212	1.50	200.0	0	106	75	125			
Zinc	240	5.00	200.0	41.66	99.2	75	125			

Sample ID: <b>2402342-06A MS</b>	Batch ID: <b>114311</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>
SampType: <b>MS</b>	Run ID: <b>ICP-MS5_240306B</b>	Analysis Date: <b>3/6/2024 11:32:00 AM</b>	Prep Date: <b>3/5/2024</b>

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum, Total	5160	30.0	5000	31.83	103	70	130			
Antimony, Total	214	2.50	200.0	0	107	70	130			
Arsenic, Total	203	5.00	200.0	1.005	101	70	130			
Barium, Total	249	10.0	200.0	44.03	103	70	130			
Beryllium, Total	209	1.00	200.0	0	104	70	130			
Cadmium, Total	200	1.00	200.0	0	100	70	130			
Chromium, Total	204	5.00	200.0	0	102	70	130			
Copper, Total	208	10.0	200.0	3.312	102	70	130			
Lead, Total	203	1.00	200.0	0	102	70	130			
Manganese	213	2.00	200.0	10.31	101	70	130			
Molybdenum	210	5.00	200.0	2.950	104	70	130			
Nickel, Total	202	10.0	200.0	0	101	70	130			
Selenium, Total	203	5.00	200.0	0	102	70	130			
Silver, Total	207	2.00	200.0	0	104	70	130			
Thallium, Total	210	1.50	200.0	0	105	70	130			
Zinc, Total	242	5.00	200.0	41.66	100	70	130			

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL  
DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** ICP-MS5\_240306B

Sample ID: 2402342-06A MSD	Batch ID: 114311	TestNo: E200.8	Units: µg/L							
SampType: MSD	Run ID: ICP-MS5_240306B	Analysis Date: 3/6/2024 11:35:00 AM	Prep Date: 3/5/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum, Total	5160	30.0	5000	31.83	103	70	130	0.059	15	
Antimony, Total	212	2.50	200.0	0	106	70	130	0.770	15	
Arsenic, Total	205	5.00	200.0	1.005	102	70	130	1.05	15	
Barium, Total	253	10.0	200.0	44.03	104	70	130	1.33	15	
Beryllium, Total	209	1.00	200.0	0	104	70	130	0.077	15	
Cadmium, Total	204	1.00	200.0	0	102	70	130	1.58	15	
Chromium, Total	205	5.00	200.0	0	102	70	130	0.460	15	
Copper, Total	211	10.0	200.0	3.312	104	70	130	1.19	15	
Lead, Total	206	1.00	200.0	0	103	70	130	1.42	15	
Manganese	216	2.00	200.0	10.31	103	70	130	1.30	15	
Molybdenum	213	5.00	200.0	2.950	105	70	130	1.57	15	
Nickel, Total	205	10.0	200.0	0	102	70	130	1.42	15	
Selenium, Total	202	5.00	200.0	0	101	70	130	0.888	15	
Silver, Total	207	2.00	200.0	0	103	70	130	0.159	15	
Thallium, Total	214	1.50	200.0	0	107	70	130	2.03	15	
Zinc, Total	243	5.00	200.0	41.66	101	70	130	0.467	15	

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** ICP-MS5\_240306B

Sample ID: <b>ICV-240306</b>	Batch ID: <b>R131805</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>							
SampType: <b>ICV</b>	Run ID: <b>ICP-MS5_240306B</b>	Analysis Date: <b>3/6/2024 10:02:00 AM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Aluminum, Total	2420	30.0	2500	0	96.9	90	110			
Antimony, Total	103	2.50	100.0	0	103	90	110			
Arsenic, Total	101	5.00	100.0	0	101	90	110			
Barium, Total	101	10.0	100.0	0	101	90	110			
Beryllium, Total	103	1.00	100.0	0	103	90	110			
Cadmium, Total	102	1.00	100.0	0	102	90	110			
Chromium, Total	102	5.00	100.0	0	102	90	110			
Copper, Total	103	10.0	100.0	0	103	90	110			
Lead, Total	100	1.00	100.0	0	100	90	110			
Manganese	101	2.00	100.0	0	101	90	110			
Molybdenum	98.1	5.00	100.0	0	98.1	90	110			
Nickel, Total	105	10.0	100.0	0	105	90	110			
Selenium, Total	103	5.00	100.0	0	103	90	110			
Silver, Total	101	2.00	100.0	0	101	90	110			
Thallium, Total	99.2	1.50	100.0	0	99.2	90	110			
Zinc, Total	104	5.00	100.0	0	104	90	110			

Sample ID: <b>CCV1-240306</b>	Batch ID: <b>R131805</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>							
SampType: <b>CCV</b>	Run ID: <b>ICP-MS5_240306B</b>	Analysis Date: <b>3/6/2024 10:43:00 AM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Aluminum, Total	4950	30.0	5000	0	99.0	90	110			
Antimony, Total	203	2.50	200.0	0	102	90	110			
Arsenic, Total	200	5.00	200.0	0	99.9	90	110			
Barium, Total	199	10.0	200.0	0	99.3	90	110			
Beryllium, Total	197	1.00	200.0	0	98.3	90	110			
Cadmium, Total	196	1.00	200.0	0	98.1	90	110			
Chromium, Total	195	5.00	200.0	0	97.4	90	110			
Copper, Total	202	10.0	200.0	0	101	90	110			
Lead, Total	196	1.00	200.0	0	97.8	90	110			
Manganese	198	2.00	200.0	0	98.8	90	110			
Molybdenum	198	5.00	200.0	0	99.0	90	110			
Nickel, Total	200	10.0	200.0	0	100	90	110			
Selenium, Total	205	5.00	200.0	0	102	90	110			
Silver, Total	199	2.00	200.0	0	99.6	90	110			
Thallium, Total	201	1.50	200.0	0	100	90	110			
Zinc, Total	201	5.00	200.0	0	101	90	110			

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** ICP-MS5\_240306B

Sample ID: <b>CCV2-240306</b>	Batch ID: <b>R131805</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>							
SampType: <b>CCV</b>	Run ID: <b>ICP-MS5_240306B</b>	Analysis Date: <b>3/6/2024 11:37:00 AM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Aluminum, Total	5010	30.0	5000	0	100	90	110			
Antimony, Total	205	2.50	200.0	0	102	90	110			
Arsenic, Total	200	5.00	200.0	0	99.8	90	110			
Barium, Total	199	10.0	200.0	0	99.5	90	110			
Beryllium, Total	202	1.00	200.0	0	101	90	110			
Cadmium, Total	198	1.00	200.0	0	99.2	90	110			
Chromium, Total	201	5.00	200.0	0	100	90	110			
Copper, Total	207	10.0	200.0	0	104	90	110			
Lead, Total	197	1.00	200.0	0	98.6	90	110			
Manganese	201	2.00	200.0	0	100	90	110			
Molybdenum	200	5.00	200.0	0	99.9	90	110			
Nickel, Total	206	10.0	200.0	0	103	90	110			
Selenium, Total	206	5.00	200.0	0	103	90	110			
Silver, Total	206	2.00	200.0	0	103	90	110			
Thallium, Total	204	1.50	200.0	0	102	90	110			
Zinc, Total	202	5.00	200.0	0	101	90	110			

Sample ID: <b>CCV3-240306</b>	Batch ID: <b>R131805</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>							
SampType: <b>CCV</b>	Run ID: <b>ICP-MS5_240306B</b>	Analysis Date: <b>3/6/2024 12:05:00 PM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Aluminum, Total	5000	30.0	5000	0	100	90	110			
Antimony, Total	206	2.50	200.0	0	103	90	110			
Arsenic, Total	202	5.00	200.0	0	101	90	110			
Barium, Total	201	10.0	200.0	0	100	90	110			
Beryllium, Total	200	1.00	200.0	0	99.8	90	110			
Cadmium, Total	201	1.00	200.0	0	100	90	110			
Chromium, Total	201	5.00	200.0	0	101	90	110			
Copper, Total	210	10.0	200.0	0	105	90	110			
Lead, Total	196	1.00	200.0	0	98.0	90	110			
Manganese	200	2.00	200.0	0	100	90	110			
Molybdenum	203	5.00	200.0	0	101	90	110			
Nickel, Total	207	10.0	200.0	0	104	90	110			
Selenium, Total	207	5.00	200.0	0	104	90	110			
Silver, Total	207	2.00	200.0	0	104	90	110			
Thallium, Total	196	1.50	200.0	0	98.0	90	110			
Zinc, Total	205	5.00	200.0	0	102	90	110			

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS9\_240305E

The QC data in batch 114319 applies to the following samples: 2402342-03B, 2402342-04B

Sample ID: <b>LCS-114319</b>	Batch ID: <b>114319</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>GCMS9_240305E</b>	Analysis Date: <b>3/5/2024 5:08:00 PM</b>	Prep Date: <b>3/5/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Phenol (Calculated)	21.0	10.0	40.00	0	52.4	5	120			
Surr: 2,4,6-Tribromophenol	70.8		80.00		88.5	10	123			
Surr: 2-Fluorophenol	50.0		80.00		62.5	21	100			
Surr: Phenol-d5	36.2		80.00		45.2	10	94			

Sample ID: <b>MB-114319</b>	Batch ID: <b>114319</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>GCMS9_240305E</b>	Analysis Date: <b>3/5/2024 7:00:00 PM</b>	Prep Date: <b>3/5/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Phenol (Calculated)	<2.00	10.0								
Surr: 2,4,6-Tribromophenol	68.4		80.00		85.5	10	123			
Surr: 2-Fluorophenol	41.4		80.00		51.8	21	100			
Surr: Phenol-d5	26.4		80.00		33.0	10	94			

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS9\_240305E

Sample ID: <b>ICV-240305</b>	Batch ID: <b>R131801</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>							
SampType: <b>ICV</b>	Run ID: <b>GCMS9_240305E</b>	Analysis Date: <b>3/5/2024 4:46:00 PM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Phenol (Calculated)	2500	10.0	2500	0	100	70	130			
Surr: 2,4,6-Tribromophenol	2560		2500		102	70	130			
Surr: 2-Fluorophenol	2620		2500		105	70	130			
Surr: Phenol-d5	2670		2500		107	70	130			

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** WC\_240306C

The QC data in batch 114341 applies to the following samples: 2402342-03C, 2402342-04C

Sample ID: <b>MB-114341</b>	Batch ID: <b>114341</b>	TestNo: <b>E1664A</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>WC_240306C</b>	Analysis Date: <b>3/6/2024 5:00:00 PM</b>	Prep Date: <b>3/6/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Oil & Grease	1800	5000
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Sample ID: <b>LCS-114341</b>	Batch ID: <b>114341</b>	TestNo: <b>E1664A</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>WC_240306C</b>	Analysis Date: <b>3/6/2024 5:00:00 PM</b>	Prep Date: <b>3/6/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Oil & Grease	34400	5000	40000	0	86.0	78	114
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Sample ID: <b>LCSD-114341</b>	Batch ID: <b>114341</b>	TestNo: <b>E1664A</b>	Units: <b>µg/L</b>							
SampType: <b>LCSD</b>	Run ID: <b>WC_240306C</b>	Analysis Date: <b>3/6/2024 5:00:00 PM</b>	Prep Date: <b>3/6/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Oil & Grease	38900	5000	40000	0	97.3	78	114	12.3	18
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**Qualifiers:**

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** IC2\_240229A

The QC data in batch 114265 applies to the following samples: 2402342-05C, 2402342-06C

Sample ID: <b>MB-114265</b>	Batch ID: <b>114265</b>	TestNo: <b>E300</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>IC2_240229A</b>	Analysis Date: <b>2/29/2024 7:03:26 PM</b>	Prep Date: <b>2/29/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	<100	400
Nitrate-N	<100	500

Sample ID: <b>LCS-114265</b>	Batch ID: <b>114265</b>	TestNo: <b>E300</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>IC2_240229A</b>	Analysis Date: <b>2/29/2024 7:21:26 PM</b>	Prep Date: <b>2/29/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	4120	400	4000	0	103	90	110
Nitrate-N	4730	500	5000	0	94.5	90	110

Sample ID: <b>LCSD-114265</b>	Batch ID: <b>114265</b>	TestNo: <b>E300</b>	Units: <b>µg/L</b>							
SampType: <b>LCSD</b>	Run ID: <b>IC2_240229A</b>	Analysis Date: <b>2/29/2024 7:39:26 PM</b>	Prep Date: <b>2/29/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	4120	400	4000	0	103	90	110	0.046	20
Nitrate-N	4770	500	5000	0	95.3	90	110	0.841	20

Sample ID: <b>2402403-01DMS</b>	Batch ID: <b>114265</b>	TestNo: <b>E300</b>	Units: <b>µg/L</b>							
SampType: <b>MS</b>	Run ID: <b>IC2_240229A</b>	Analysis Date: <b>2/29/2024 10:57:26 PM</b>	Prep Date: <b>2/29/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	2040000	40000	2000000	0	102	90	110
Nitrate-N	442000	50000	452000	0	97.9	90	110

Sample ID: <b>2402403-01DMSD</b>	Batch ID: <b>114265</b>	TestNo: <b>E300</b>	Units: <b>µg/L</b>							
SampType: <b>MSD</b>	Run ID: <b>IC2_240229A</b>	Analysis Date: <b>2/29/2024 11:15:26 PM</b>	Prep Date: <b>2/29/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	2030000	40000	2000000	0	101	90	110	0.476	20
Nitrate-N	446000	50000	452000	0	98.7	90	110	0.759	20

**Qualifiers:**

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** IC2\_240229A

Sample ID: <b>ICV-240229</b>	Batch ID: <b>R131709</b>	TestNo: <b>E300</b>	Units: <b>µg/L</b>							
SampType: <b>ICV</b>	Run ID: <b>IC2_240229A</b>	Analysis Date: <b>2/29/2024 6:27:26 PM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	10300	400	10000	0	103	90	110			
Nitrate-N	12300	500	12500	0	98.1	90	110			

Sample ID: <b>CCV1-240229</b>	Batch ID: <b>R131709</b>	TestNo: <b>E300</b>	Units: <b>µg/L</b>							
SampType: <b>CCV</b>	Run ID: <b>IC2_240229A</b>	Analysis Date: <b>3/1/2024 12:09:26 AM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	4110	400	4000	0	103	90	110			
Nitrate-N	4830	500	5000	0	96.6	90	110			

**Qualifiers:**

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** UV/VIS\_2\_240228B

The QC data in batch 114226 applies to the following samples: 2402342-01A, 2402342-02A

Sample ID: MB-114226		Batch ID: 114226		TestNo: M3500-Cr B		Units: µg/L				
SampType: MBLK		Run ID: UV/VIS_2_240228B		Analysis Date: 2/28/2024 10:30:00 AM		Prep Date: 2/28/2024				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium (Hex)	<3.00	3.00								
Chromium (Tri)	<2.00	3.00								N

Sample ID: <b>LCS-114226</b>	Batch ID: <b>114226</b>	TestNo: <b>M3500-Cr B</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>UV/VIS_2_240228B</b>	Analysis Date: <b>2/28/2024 10:30:00 AM</b>	Prep Date: <b>2/28/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium (Hex)	99.6	3.00	100.0	0	99.6	85	115			

Sample ID: <b>LCSD-114226</b>	Batch ID: <b>114226</b>	TestNo: <b>M3500-Cr B</b>	Units: <b>µg/L</b>							
SampType: <b>LCSD</b>	Run ID: <b>UV/VIS_2_240228B</b>	Analysis Date: <b>2/28/2024 10:33:00 AM</b>	Prep Date: <b>2/28/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium (Hex)	97.5	3.00	100.0	0	97.5	85	115	2.10	15	

Sample ID: 2402342-02A MS	Batch ID: 114226	TestNo: M3500-Cr B	Units: µg/L							
SampType: MS	Run ID: UV/VIS_2_240228B	Analysis Date: 2/28/2024 10:41:00 AM	Prep Date: 2/28/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium (Hex)	99.3	3.00	100.0	0	99.3	85	115			

Sample ID: <b>2402342-02A MSD</b>	Batch ID: <b>114226</b>	TestNo: <b>M3500-Cr B</b>	Units: <b>µg/L</b>							
SampType: <b>MSD</b>	Run ID: <b>UV/VIS_2_240228B</b>	Analysis Date: <b>2/28/2024 10:41:00 AM</b>	Prep Date: <b>2/28/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium (Hex)	95.5	3.00	100.0	0	95.5	85	115	3.85	15	

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** UV/VIS\_2\_240228B

Sample ID: <b>ICV-240228</b>	Batch ID: <b>R131658</b>	TestNo: <b>M3500-Cr B</b>	Units: <b>µg/L</b>							
SampType: <b>ICV</b>	Run ID: <b>UV/VIS_2_240228B</b>	Analysis Date: <b>2/28/2024 10:28:00 AM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium (Hex)	97.1	3.00	100.0	0	97.1	90	110			
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Sample ID: <b>CCV-240228</b>	Batch ID: <b>R131658</b>	TestNo: <b>M3500-Cr B</b>	Units: <b>µg/L</b>							
SampType: <b>CCV</b>	Run ID: <b>UV/VIS_2_240228B</b>	Analysis Date: <b>2/28/2024 10:43:00 AM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium (Hex)	199	3.00	200.0	0	99.6	90	110			
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**Qualifiers:**

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** UV/VIS\_2\_240301B

The QC data in batch 114271 applies to the following samples: 2402342-03A, 2402342-04A

Sample ID: <b>MB-114271</b>	Batch ID: <b>114271</b>	TestNo: <b>M4500-CN E</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>UV/VIS_2_240301B</b>	Analysis Date: <b>3/1/2024 3:25:00 PM</b>	Prep Date: <b>3/1/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Available	<10.0	20.0								
Cyanide, Total	<10.0	20.0								

Sample ID: <b>LCS-114271</b>	Batch ID: <b>114271</b>	TestNo: <b>M4500-CN E</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>UV/VIS_2_240301B</b>	Analysis Date: <b>3/1/2024 3:25:00 PM</b>	Prep Date: <b>3/1/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	192	20.0	200	0	95.8	85	115			

Sample ID: 2402341-04AMS	Batch ID: 114271	TestNo: M4500-CN E	Units: µg/L							
SampType: MS	Run ID: UV/VIS_2_240301B	Analysis Date: 3/1/2024 3:26:00 PM	Prep Date: 3/1/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	177	20.0	200	0	88.4	79	114			

Sample ID: 2402341-04AMSD	Batch ID: 114271	TestNo: M4500-CN E	Units: µg/L							
SampType: MSD	Run ID: UV/VIS_2_240301B	Analysis Date: 3/1/2024 3:26:00 PM	Prep Date: 3/1/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	177	20.0	200	0	88.3	79	114	0.056	20	

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** UV/VIS\_2\_240301B

Sample ID: <b>ICV-240301</b>	Batch ID: <b>R131715</b>	TestNo: <b>M4500-CN E</b>	Units: <b>µg/L</b>							
SampType: <b>ICV</b>	Run ID: <b>UV/VIS_2_240301B</b>	Analysis Date: <b>3/1/2024 3:23:00 PM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	88.4	20.0	100	0	88.4	85	115			

Sample ID: <b>CCV1-240301</b>	Batch ID: <b>R131715</b>	TestNo: <b>M4500-CN E</b>	Units: <b>µg/L</b>							
SampType: <b>CCV</b>	Run ID: <b>UV/VIS_2_240301B</b>	Analysis Date: <b>3/1/2024 3:36:00 PM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	200	20.0	200	0	99.8	85	115			

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** UV/VIS\_2\_240305B

The QC data in batch 114317 applies to the following samples: 2402342-05B, 2402342-06B

Sample ID: <b>LCS-114317</b>	Batch ID: <b>114317</b>	TestNo: <b>M4500-P E</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>UV/VIS_2_240305B</b>	Analysis Date: <b>3/5/2024 1:01:00 PM</b>	Prep Date: <b>3/5/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Phosphorus	497	100	500	0	99.4	80	120			
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Sample ID: <b>LCSD-114317</b>	Batch ID: <b>114317</b>	TestNo: <b>M4500-P E</b>	Units: <b>µg/L</b>							
SampType: <b>LCSD</b>	Run ID: <b>UV/VIS_2_240305B</b>	Analysis Date: <b>3/5/2024 1:01:00 PM</b>	Prep Date: <b>3/5/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Phosphorus	511	100	500	0	102	80	120	2.78	20	
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Sample ID: <b>MB-114317</b>	Batch ID: <b>114317</b>	TestNo: <b>M4500-P E</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>UV/VIS_2_240305B</b>	Analysis Date: <b>3/5/2024 1:02:00 PM</b>	Prep Date: <b>3/5/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Phosphorus	<40.0	100								
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Sample ID: <b>2402373-01DMS</b>	Batch ID: <b>114317</b>	TestNo: <b>M4500-P E</b>	Units: <b>µg/L</b>							
SampType: <b>MS</b>	Run ID: <b>UV/VIS_2_240305B</b>	Analysis Date: <b>3/5/2024 1:04:00 PM</b>	Prep Date: <b>3/5/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Phosphorus	557	100	500	55.0	100	80	120			
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Sample ID: <b>2402373-01DMSD</b>	Batch ID: <b>114317</b>	TestNo: <b>M4500-P E</b>	Units: <b>µg/L</b>							
SampType: <b>MSD</b>	Run ID: <b>UV/VIS_2_240305B</b>	Analysis Date: <b>3/5/2024 1:05:00 PM</b>	Prep Date: <b>3/5/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Phosphorus	556	100	500	55.0	100	80	120	0.180	20	
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**Qualifiers:**

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2402342  
**Project:** IPP West Plant SHORT QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** UV/VIS\_2\_240305B

Sample ID: <b>ICV-240228</b>	Batch ID: <b>R131768</b>	TestNo: <b>M4500-P E</b>	Units: <b>µg/L</b>							
SampType: <b>ICV</b>	Run ID: <b>UV/VIS_2_240305B</b>	Analysis Date: <b>3/5/2024 1:00:00 PM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phosphorus	209	100	200	0	104	85	115			

Sample ID: <b>CCV1-240305</b>	Batch ID: <b>R131768</b>	TestNo: <b>M4500-P E</b>	Units: <b>µg/L</b>							
SampType: <b>CCV</b>	Run ID: <b>UV/VIS_2_240305B</b>	Analysis Date: <b>3/5/2024 1:11:00 PM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phosphorus	492	100	500	0	98.4	85	115			


**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

# POLLUTION CONTROL SERVICES



## Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
John DuPont DHL Analytical, Inc. 2300 Double Creek Dr. Round Rock, TX 78664	Project Name: 2402342 Sample ID: Influent Grab 1 Matrix: Non-Potable Water Date/Time Taken: 2/27/2024 1200	PCS Sample #: 752878 Page 1 of 1 Date/Time Received: 3/1/2024 09:45 Report Date: 3/15/2024 Approved by:  Chuck Wallgren, President

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Mercury/CVAFS	0.000013	mg/L	0.000005	3/15/2024 08:54	EPA 245.7	DJL

Test Description	Precision	Quality Assurance Summary Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Mercury/CVAFS	<1	20	70	105	106	130	102	70 - 130	<1.8ng/L


**Quality Statement:** All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.

These analytical results relate only to the sample tested.  
All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.  
RL = Reporting Limits

# POLLUTION CONTROL SERVICES



## Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
<b>John DuPont</b> <b>DHL Analytical, Inc.</b> <b>2300 Double Creek Dr.</b> <b>Round Rock, TX 78664</b>	<b>Project Name:</b> 2402342 <b>Sample ID:</b> Effluent Grab 1 <b>Matrix:</b> Non-Potable Water <b>Date/Time Taken:</b> 2/27/2024 2359	<b>PCS Sample #:</b> 752879 <b>Page 1 of 1</b> <b>Date/Time Received:</b> 3/1/2024 09:45 <b>Report Date:</b> 3/15/2024  <b>Approved by:</b>  Chuck Wallgren, President

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Mercury/CVAFS	<0.000005	mg/L	0.000005	3/15/2024 08:54	EPA 245.7	DJL

Test Description	Precision	Quality Assurance Summary				UCL	LCS	LCS Limit	Blank
		Limit	LCL	MS	MSD				
Mercury/CVAFS	<1	20	70	105	106	130	102	70 - 130	<1.8ng/L

**Quality Statement:** All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.

These analytical results relate only to the sample tested.  
 All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.  
 RL = Reporting Limits

# DHL Analytical, Inc.

2300 Double Creek Drive  
Round Rock, TX 78664

TEL: (512) 388-8222

FAX:

Work Order: 2402342

## CHAIN-OF-CUSTODY RECORD

Page 1 of 1

### Subcontractor:

Pollution Control Services  
1532 Universal City Blvd #100  
Universal City, Texas 78148



TEL: (210) 340-0949  
FAX: (210) 658-7903  
Acct #:

29-Feb-24

Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Requested Tests				
					Hg-LoLevel E245.7				
Influent Grab 1	Aqueous	01B	02/27/24 12:00 PM	500GHCL	1	752878			
Effluent Grab 1	Aqueous	02B	02/27/24 11:59 PM	500GHCL	1	752879			

### General Comments:

Please analyze these samples with a Standard Turnaround Time.  
Quality Control Package Needed: Standard - SEND PDF & Excel EDD Please  
EMAIL report to both cac@dhlanalytical.com & dupont@dhlanalytical.com  
Call John DuPont if you have questions.

Date/Time		Date/Time	
Relinquished by: 	2/29/24 1700	Received by:	
Relinquished by:		Received by: 	3-1-24 0945

LOGIN  
5123888222  
DHL ANALYTICAL  
2300 DOUBLE CREEK DR  
ROUND ROCK TX 78664

16 LBS

1 OF 1

SHIP TO:  
SAMPLE RECEIVING  
800 8804616  
POLLUTION CONTROL SERVICES  
1532 UNIVERSAL CITY BLVD #100  
UNIVERSAL CITY TX 78148



TX 782 9-09



**UPS GROUND**

TRACKING #: 1Z 970 R40 03 3692 3302



BILLING: P/P

XOL 24/01.23

NV45 9.0A 02/2024\*



TM

FOR UPS SHIPPING ONLY

## Pollution Control Services Sample Log-In Checklist

752878

PCS Sample No(s) 752878 752879 COC No. \_\_\_\_\_

Client/Company Name: DHL Checklist Completed by: JAA

### Sample Delivery to Lab Via:

Client Drop Off ☒ Commercial Carrier: Bus \_\_\_\_\_ UPS \_\_\_\_\_ Lone Star \_\_\_\_\_ FedEx \_\_\_\_\_ USPS \_\_\_\_\_  
PCS Field Services: Collection/Pick Up \_\_\_\_\_ Other: \_\_\_\_\_

### Sample Kit/Coolers

Sample Kit/Cooler? Yes ☒ No \_\_\_\_\_ Sample Kit/Cooler: Intact? Yes ☒ No \_\_\_\_\_  
Custody Seals on Sample Kit/Cooler: Not Present ☒ If Present, Intact \_\_\_\_\_ Broken \_\_\_\_\_  
Sample Containers Intact; Unbroken and Not Leaking? Yes ☒ No \_\_\_\_\_  
Custody Seals on Sample Bottles: Not Present ☒ If Present, Intact \_\_\_\_\_ Broken \_\_\_\_\_  
COC Present with Shipment or Delivery or Completed at Drop Off? Yes ☒ No \_\_\_\_\_  
Has COC sample date/time and other pertinent information been provided by client/sampler? Yes ☒ No \_\_\_\_\_  
Has COC been properly Signed when Received/Relinquished? Yes ☒ No \_\_\_\_\_  
Does COC agree with Sample Bottle Information, Bottle Types, Preservation, etc.? Yes ☒ No \_\_\_\_\_  
All Samples Received before Hold Time Expiration? Yes ☒ No \_\_\_\_\_  
Sufficient Sample Volumes for Analysis Requested? Yes ☒ No \_\_\_\_\_  
Zero Headspace in VOA Vial? Yes \_\_\_\_\_ No \_\_\_\_\_

### Sample Preservation:

\* **Cooling:** Not Required ☒ or Required \_\_\_\_\_  
If cooling required, record temperature of submitted samples Observed/Corrected 20, 20 °C  
Is Ice Present in Sample Kit/Cooler? Yes \_\_\_\_\_ No ☒ Samples received same day as collected? Yes ☒ No \_\_\_\_\_  
Lab Thermometer Make and Serial Number: Vaughan 1807009583 Other: \_\_\_\_\_

Acid Preserved Sample - If present, is pH <2? Yes \_\_\_\_\_ No \_\_\_\_\_ \*\* \_\_\_\_\_ H<sub>2</sub>SO<sub>4</sub> \_\_\_\_\_ HNO<sub>3</sub> \_\_\_\_\_ H<sub>3</sub>PO<sub>4</sub>  
Base Preserved Sample - If present, is pH >12? Yes \_\_\_\_\_ No \_\_\_\_\_ NaOH \_\_\_\_\_  
Other Preservation: \_\_\_\_\_ If Present, Meets Requirements? Yes \_\_\_\_\_ No \_\_\_\_\_  
Sample Preservations Checked by: \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_  
pH paper used to check sample preservation (PCS log #): \_\_\_\_\_ (HEM pH checked at analysis).  
Samples Preserved/Adjusted by Lab: Lab # \_\_\_\_\_ Parameters Preserved \_\_\_\_\_ Preservative Used \_\_\_\_\_ Log # \_\_\_\_\_

Adjusted by Tech/Analyst: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

### Client Notification/ Documentation for "No" Responses Above/ Discrepancies/ Revision Comments

Person Notified: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
Notified Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Method of Contact: At Drop Off: \_\_\_\_\_ Phone \_\_\_\_\_ Left Voice Mail \_\_\_\_\_ E-Mail \_\_\_\_\_ Fax \_\_\_\_\_  
Unable to Contact \_\_\_\_\_ Authorized Laboratory to Proceed: \_\_\_\_\_ (Lab Director)  
Regarding / Comments: \_\_\_\_\_

Actions taken to correct problems/discrepancies: \_\_\_\_\_

Receiving qualifier needed (requires client notification above) Temp. \_\_\_\_\_ Holding Time \_\_\_\_\_ Initials: \_\_\_\_\_

Receiving qualifier entered into LIMS at login Initial/Date: \_\_\_\_\_

Revision Comments: \_\_\_\_\_



May 29, 2024

Ryan Bornn  
CITY OF ROUND ROCK  
2008 Enterprise  
ROUND ROCK, Texas 78664  
TEL: (512) 218-5561  
FAX:  
RE: IPP WEST Plant Long QTR

Order No.: 2405086

Dear Ryan Bornn:

DHL Analytical, Inc. received 6 sample(s) on 5/7/2024 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAP except where noted in the Case Narrative. All non-NELAP methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

A handwritten signature in red ink, appearing to read "John DuPont".

John DuPont  
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification  
Number: T104704211 - TX-C24-00120



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2300 Double Creek Dr. Round Rock, TX 78664

Phone 512.388.8222

Web: [www.dhlanalytical.com](http://www.dhlanalytical.com)Email: [login@dhlanalytical.com](mailto:login@dhlanalytical.com)

## CHAIN-OF-CUSTODY

PAGE 1 OF 1

CLIENT: City of Round Rock		DATE: 05/09/2024		LAB USE ONLY	
ADDRESS: 3400 Sunrise Rd., Round Rock, TX 78665		PO#:		DHL WORKORDER #: 2405086	
PHONE: 512-218-6636 EMAIL: <a href="mailto:rbornn@roundrocktexas.gov">rbornn@roundrocktexas.gov</a>		PROJECT LOCATION OR NAME: IPP WEST Long Qtr.			
DATA REPORTED TO: <a href="mailto:rbornn@roundrocktexas.gov">rbornn@roundrocktexas.gov</a>		CLIENT PROJECT #			
ADDITIONAL REPORT COPIES TO: <a href="mailto:kharris@roundrocktexas.gov">kharris@roundrocktexas.gov</a>		COLLECTOR: Tom Wilson			
<b>Authorize 5% surcharge for TRRP report?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Lab Use Only</b>			
<b>Field Sample I.D.</b>		<b>DHL Lab #</b>			
<b>W=WATER</b> <b>L=LIQUID</b> <b>S=SOIL</b> <b>SO=SOLID</b>		<b>SE=SEDIMENT</b> <b>P=PAINT</b> <b>SL=SLUDGE</b>			
<b>Collection Date</b>		<b>Collection Time</b>		<b>Matrix</b>	
<b>Container Type</b>		<b># of Containers</b>		<b>ANALYSES</b>	
<b>HCL</b> <input type="checkbox"/> <b>H<sub>3</sub>PO<sub>4</sub></b> <input type="checkbox"/> <b>HNO<sub>3</sub></b> <input type="checkbox"/> <b>H<sub>2</sub>SO<sub>4</sub></b> <input type="checkbox"/> <b>NaOH</b> <input type="checkbox"/> <b>Zn Acetate</b> <input type="checkbox"/> <b>ICE</b> <input type="checkbox"/> <b>UNPRESERVED</b> <input checked="" type="checkbox"/>		<b>BITX</b> <input type="checkbox"/> <b>MTBE</b> <input type="checkbox"/> <b>[METHOD 8260]</b> <b>TPH</b> 1005 <input type="checkbox"/> <b>TPH</b> 1006 <input type="checkbox"/> <b>HOLD</b> 1006 <input type="checkbox"/> <b>GRD</b> 8015 <input type="checkbox"/> <b>DRO</b> 8015 <input type="checkbox"/> <b>VOC</b> 8260 <input type="checkbox"/> <b>VOC</b> 8241 <input checked="" type="checkbox"/> <b>SVOC</b> 8270 <input type="checkbox"/> <b>SVOC</b> 8251 <input type="checkbox"/> <b>PAH</b> 8270 <input type="checkbox"/> <b>HOLD</b> PAH <input type="checkbox"/> <b>PEST</b> 8270 <input type="checkbox"/> <b>625.1</b> <input type="checkbox"/> <b>O-P</b> PEST 8270 <input type="checkbox"/> <b>PCB</b> 8082 <input type="checkbox"/> <b>608.3</b> <input type="checkbox"/> <b>PCB</b> 8270 <input type="checkbox"/> <b>625.1</b> <input type="checkbox"/> <b>HERB</b> 8321 <input type="checkbox"/> <b>T PHOS</b> <input type="checkbox"/> <b>AMMONIA</b> <input type="checkbox"/> <b>METALS</b> 8020 <input type="checkbox"/> <b>200.8</b> <input type="checkbox"/> <b>DISS. METALS</b> <input type="checkbox"/> <b>ROA</b> 8 <input type="checkbox"/> <b>TX11</b> <input type="checkbox"/> <b>pH</b> <input type="checkbox"/> <b>HEX CHROM</b> <input type="checkbox"/> <b>ALKALINITY</b> <input type="checkbox"/> <b>COD</b> <input type="checkbox"/> <b>ANIONS</b> 300 <input type="checkbox"/> <b>9036</b> <input type="checkbox"/> <b>TCLP</b> SVOC <input type="checkbox"/> <b>VOC</b> <input type="checkbox"/> <b>PEST</b> <input type="checkbox"/> <b>HERB</b> <input type="checkbox"/> <b>TCLP</b> METALS <input type="checkbox"/> <b>ROA</b> 8 <input type="checkbox"/> <b>TX11</b> <input type="checkbox"/> <b>Pb</b> <input type="checkbox"/> <b>IC</b> <input type="checkbox"/> <b>ION</b> <input type="checkbox"/> <b>OGAS</b> <input type="checkbox"/> <b>OIL &amp; GREASE</b> <input checked="" type="checkbox"/> <b>TDS</b> <input type="checkbox"/> <b>TSS</b> <input type="checkbox"/> <b>% MOIST</b> <input type="checkbox"/> <b>CYANIDE</b> <input checked="" type="checkbox"/>			
<b>INFLUENT GRAB 1</b>		<b>03</b>		<b>05/07/24 12:00 W Varies 4</b>	
<b>INFLUENT GRAB 2</b>		<b>↓</b>		<b>05/07/24 18:00 W Varies 4</b>	
<b>INFLUENT GRAB 3</b>		<b>↓</b>		<b>05/07/24 23:59 W Varies 4</b>	
<b>INFLUENT GRAB 4</b>		<b>↓</b>		<b>05/08/24 06:00 W Varies 4</b>	
Relinquished By: (Sign)		DATE/TIME		Received by:	
Relinquished By: (Sign)		DATE/TIME		Received by:	
Relinquished By: (Sign)		DATE/TIME		Received by:	

TURN AROUND TIME  
(CALL FIRST FOR RUSH)  
RUSH-1 DAY ☐ RUSH-2 DAY ☐  
RUSH-3 DAY ☐  
NORMAL ☒ OTHER ☐  
DUE DATE ☐

LAB USE ONLY  
RECEIVING TEMP (°C): 3.3°C  
THERMO #: 78  
IF >6°C, ARE SAMPLES ON ICE AND JUST COLLECTED? YES / NO  
CUSTODY SEALS ON ICE CHEST: ☐ BROKEN ☐ INTACT ☐ NOT USED  
CARRIER: ☐ LSO ☐ FEDEX ☐ UPS ☐ COURIER ☒ HAND DELIVERED

☐ DHL DISPOSAL @ \$10.00 each

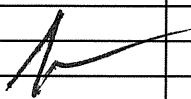
DHL COC REV 4 | MAR 2023







Brushy Creek West WWTP  
Long Quarter IPP Monitoring Influent/Effluent

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
Day 1	2359	Effluent	Grab	Oil and Grease	1-250ml Amber w/H2SO4	1.94		
				Cyanide	1-250ml Plastic w/NaOH			
				Volatiles	2-VOA vials			
				LL Hg	1-500 ml glass w/HCl			
				Chromium VI	1-250ml plastic			

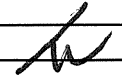
Brushy Creek West WWTP

Long Quarter IPP Monitoring Influent/Effluent Day 1-1200

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
Day 1	1200	Influent	Grab	Oil and Grease	1-250ml Amber w/H2SO4	2.03		
				Cyanide	1-250ml Plastic w/NaOH		/V	
				Volatiles	2-VOA vials			
				LL Hg	1-500 ml glass w/HCl			
				Chromium VI	1-250ml plastic			

Brushy Creek West WWTP

Long Quarter IPP Monitoring Influent/Effluent Day 1-1800

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
Day 1	1800	Influent	Grab	Oil and Grease	1-250ml Amber w/H2SO4	1.99		
				Cyanide	1-250ml Plastic w/NaOH			
				Volatiles	2-VOA vials			

Brushy Creek West WWTP  
 Long Quarter IPP Monitoring Influent/Effluent Day 1-23:59

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
Day 1	2359	Influent	Grab	Oil and Grease	1-250ml Amber w/H2SO4	1.95	1.95	
				Cyanide	1-250ml Amber w/NaOH			
				Volatiles	2 VOA Vials			

Brushy Creek East WWTP

Long Quarter IPP Monitoring Influent/Effluent

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
Day 1	Start at MIDNIGHT	Effluent	Comp			2.9 mgd	Am	
Day 2	Off at MIDNIGHT	Effluent	Comp	Metals (plus Mn & Mo)	1-500ml plastic w/HNO3			
				Phosphorous	1-250ml plastic w/H2SO4			
				Fluoride/Nitrate	1-250ml plastic			
				Herbicides	2-500ml Amber			
				Pesticides	2-500ml Amber			
				Organics	2-500ml Amber			
				PCBs	2-500ml Amber			
				Semi Vol.	2-500ml Amber			

Brushy Creek West WWTP  
Long Quarter IPP Monitoring Influent/Effluent

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
Day 1	Start at MIDNIGHT	Effluent	Comp					
Day 2	Off at MIDNIGHT	Effluent	Comp	Metals (plus Mn & Mo)	1-500ml plastic w/HNO3	1.98 MGD		
				Phosphorous	1-250ml plastic w/H2SO4			
				Fluoride/Nitrate	1-250ml plastic			
				Herbicides	2-500ml Amber		A	
				Pesticides	2-500ml Amber			
				Organics	2-500ml Amber			
				PCBs	2-500ml Amber			
				Semi Vol.	2-500ml Amber			

Brushy Creek West WWTP

Long Quarter IPP Monitoring Influent Day 1-2 Comp 1200

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
Day 1	Start at NOON	Influent	Comp					
Day 2	OFF at NOON	Influent	Comp	Metals (plus Mn & Mo)	1-500ml plastic w/HNO3	2.00 MGD		
				Phosphorous	1-250ml plastic w/H2SO4			
				Fluoride/Nitrate	1-250ml plastic			
				Herbicides	2-500ml Amber			
				Pesticides	2-500ml Amber			
				Organics	2-500ml Amber			
				PCBs	2-500ml Amber			
				Semi Vol.	2-500ml Amber			

Please start automatic sampler for Influent at noon on Day 1.

Brushy Creek East WWTP

Long Quarter IPP Monitoring Influent Day 1-2 Comp 1200

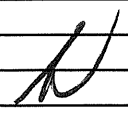
Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
Day 1	Start at NOON	Influent	Comp			He-MGD	1	
Day 2	OFF at NOON	Influent	Comp	Metals (plus Mn & Mo)	1-500ml plastic w/HNO3	2		
				Phosphorous	1-250ml plastic w/H2SO4			
				Fluoride/Nitrate	1-250ml plastic			
				Herbicides	2-500ml Amber			
				Pesticides	2-500ml Amber			
				Organics	2-500ml Amber			
				PCBs	2-500ml Amber			
				Semi Vol.	2-500ml Amber			

Please start automatic sampler for Influent at noon on Day 1.

Brushy Creek West WWTP  
Long Quarter IPP Monitoring Influent/Effluent

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
Day 2	0600	Effluent	Grab	Oil and Grease	1-250ml Amber w/H2SO4	1.757		
				Cyanide	1-250ml Plastic w/NaOH			
				Volatiles	2-VOA vials			

Brushy Creek West WWTP  
Long Quarter IPP Monitoring Influent/Effluent

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
Day 2	1200	Effluent	Grab	Oil and Grease	1-250ml Amber w/H2SO4	2.00 MGD		
				Cyanide	1-250ml Plastic w/NaOH			
				Volatiles	2-VOA vials			

Brushy Creek West WWTP  
Long Quarter IPP Monitoring Influent/Effluent

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
Day 2	1800	Effluent	Grab	Oil and Grease	1-250ml Amber w/H2SO4	1.95		
				Cyanide	1-250ml Plastic w/NaOH		✓	
				Volatiles	2-VOA vials			

Brushy Creek West WWTP  
 Long Quarter IPP Monitoring Influent/Effluent Day 2-0600

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
Day 2	0600	Influent	Grab	Oil and Grease	1-250ml Amber w/H2SO4	W		
				Cyanide	1-250ml Plastic w/NaOH		1.757	
				Volatiles	2-VOA vials			

Day 1  
Sample Receipt Checklist

Client Name: CITY OF ROUND ROCK

Date Received: 5/7/2024

Work Order Number: 2405086

Received by: EL

Checklist completed by:

Signature

5/7/2024

Date

Reviewed by:

Initials

5/7/2024

Date

Carrier name: Hand Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/> NA <input type="checkbox"/>
Water - pH<2 acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____	Checked by _____	
Water - pH>9 (S) or pH>10 (CN) acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____	Checked by _____	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Cooler # 1

Temp °C 14.7

Seal Intact NP

Any No response must be detailed in the comments section below.

Client contacted:

Date contacted:

Person contacted:

Contacted by:

Regarding:

Comments:

Corrective Action:

Day 2  
Sample Receipt Checklist

Client Name: CITY OF ROUND ROCK

Date Received: 5/7/2024

Work Order Number: 2405086

Received by: KAO

Checklist completed by:

Signature

5/8/2024

Date

Reviewed by:

Initials

5/8/2024

Date

Carrier name: Hand Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/> NA <input type="checkbox"/>
Water - pH<2 acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____	Checked by _____	
Water - pH>9 (S) or pH>10 (CN) acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____	Checked by _____	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Cooler #	1
Temp °C	4.6
Seal Intact	NP

Any No response must be detailed in the comments section below.

Client contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action: \_\_\_\_\_

Day 3

## Sample Receipt Checklist

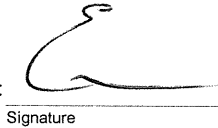
Client Name: CITY OF ROUND ROCK

Date Received: 5/7/2024

Work Order Number: 2405086

Received by: KAO

Checklist completed by:



5/9/2024

Signature

Date

Reviewed by:



5/9/2024

Initials

Date

Carrier name: Hand Delivered

Shipping container/cooler in good condition? Yes ☒ No ☐ Not Present ☐

Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒

Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒

Chain of custody present? Yes ☒ No ☐

Chain of custody signed when relinquished and received? Yes ☒ No ☐

Chain of custody agrees with sample labels? Yes ☒ No ☐

Samples in proper container/bottle? Yes ☒ No ☐

Sample containers intact? Yes ☒ No ☐

Sufficient sample volume for indicated test? Yes ☒ No ☐

All samples received within holding time? Yes ☒ No ☐

Water - VOA vials have zero headspace? Yes ☒ No ☐ No VOA vials submitted ☐ NA ☐

Water - pH<2 acceptable upon receipt? Yes ☒ No ☐ NA ☐ LOT # 13171

Adjusted? no Checked by EL

Water - pH>9 (S) or pH>10 (CN) acceptable upon receipt? Yes ☒ No ☐ NA ☐ LOT # 12798

Adjusted? no Checked by EL

Container/Temp Blank temperature in compliance? Yes ☒ No ☐

Cooler #	1	2
Temp °C	3.3	1.2
Seal Intact	NP	NP

Any No response must be detailed in the comments section below.

Client contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action: \_\_\_\_\_

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Lab Order:** 2405086

**CASE NARRATIVE**

Samples were analyzed using the methods outlined in the following references:

Method E200.8 - Metals Analysis  
Method E300 - Anions Analysis  
Method E1664A - Oil & Grease Analysis  
Method E624.1 - Volatile Organics Analysis  
Method E625.1 - Semivolatile Organics Analysis  
Method E625.1- PCB Analysis  
Method E625.1 - Pesticide Analysis (Some compounds are not NELAP Certified)  
Method E632 - Diuron-Hexachlorophene by LCMS Analysis (This parameter is not NELAP Certified)  
Method D5812-96MOD - Dicofol in Water Analysis (this parameter is not NELAP certified)  
Method D7065-17 - Nonylphenol in Water Analysis (this parameter is not NELAP certified)  
Method M4500-CN E - Cyanide Analysis  
Method M3500-Cr B - Hexavalent Chromium Analysis  
Method M3500-Cr B - Trivalent Chromium (calculation) (this calculation is not NELAP certified)  
Method M4500-P E - Total Phosphorus Analysis  
Sub-contract - Herbicide and Mercury analyses by method E615 and E245.7. Analyzed at SPL.

**LOG IN**

The samples were received and log-in performed on 5/7/24 through 5/9/24. A total of 6 samples were received. The samples arrived in good condition and were properly packaged. A composite of the samples was performed in the laboratory at time of analysis for Oil and Grease, Cyanide, Volatile Organics.

**VOLATILE ORGANICS ANALYSIS**

For Volatiles analysis sample Influent Grabs 1-4 was diluted prior to analysis due to the nature of the sample (matrix).

For Volatiles analysis performed on 5/9/24 the recovery of Methyl bromide for the Initial Calibration Verification (ICV-240509) was below control limits. This is flagged accordingly in the QC summary report. The LCS was within control limits for this compound. No further corrective actions were taken.

**SEMIVOLATILE ORGANICS ANALYSIS**

For Semivolatiles analysis performed on 5/14/24 the matrix spike and matrix spike duplicate recoveries were above control limits for p-Chloro-m-Cresol. These are flagged accordingly in the QC summary

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**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Lab Order:** 2405086

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## **CASE NARRATIVE**

report. The sample selected for the matrix spike and matrix spike duplicate was not from this work order. The LCS was within control limits for this compound. No further corrective actions were taken.

### **DIURON-HEXACHLOROPHENE ANALYSIS**

For Diuron-Hexachlorophene analysis performed on 5/13/24 the LCS and LCSD recoveries were above control limits for Hexachlorophene. These are flagged accordingly in the QC summary report. Samples Influent Comp and Effluent Comp were below detection limits for this compound. No further corrective actions were taken.

For Diuron-Hexachlorophene analysis performed on 5/13/24 the recovery of Hexachlorophene for the Initial Calibration Verification (ICV-240513) was above control limits. This is flagged accordingly. Samples Influent Comp and Effluent Comp were below detection limits for this compound. No further corrective actions were taken.

### **OIL & GREASE ANALYSIS**

For Oil & Grease analysis performed on 5/10/24 Oil & Grease was detected below the reporting limit in the method blank (MB-115351). Samples Influent Grabs 1-4 and Effluent Grabs 1-4 may be biased high. No further corrective actions were taken.

For Oil & Grease analysis an MS was not performed due to insufficient sample volume. An LCS/LCSD was performed instead.

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**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Lab Order:** 2405086**Work Order Sample Summary**

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Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2405086-01	Influent Grab 1		05/07/24 12:00 PM	05/07/2024
2405086-02	Effluent Grab 1		05/07/24 11:59 PM	05/08/2024
2405086-03	Influent Grabs 1-4		05/08/24 06:00 AM	05/09/2024
2405086-04	Effluent Grabs 1-4		05/08/24 06:00 PM	05/09/2024
2405086-05	Influent Comp		05/08/24 12:00 PM	05/09/2024
2405086-06	Effluent Comp		05/08/24 11:59 PM	05/09/2024

**Lab Order:** 2405086  
**Client:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR

**PREP DATES REPORT**

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2405086-01A	Influent Grab 1	05/07/24 12:00 PM	Aqueous	M3500-Cr B	Hexachrom Prep Water	05/08/24 10:31 AM	115308
	Influent Grab 1	05/07/24 12:00 PM	Aqueous	M3500-Cr B	Hexachrom Prep Water	05/08/24 10:31 AM	115308
2405086-02A	Effluent Grab 1	05/07/24 11:59 PM	Aqueous	M3500-Cr B	Hexachrom Prep Water	05/08/24 10:31 AM	115308
2405086-03A	Influent Grabs 1-4	05/08/24 06:00 AM	Aqueous	E624_PR	Purge and Trap Water GC/MS	05/09/24 09:03 AM	115330
2405086-03B	Influent Grabs 1-4	05/08/24 06:00 AM	Aqueous	M4500-CN E	Cyanide Water Prep	05/15/24 08:03 AM	115390
2405086-03C	Influent Grabs 1-4	05/08/24 06:00 AM	Aqueous	E1664	1664 Prep	05/10/24 08:23 AM	115351
2405086-04A	Effluent Grabs 1-4	05/08/24 06:00 PM	Aqueous	E624_PR	Purge and Trap Water GC/MS	05/09/24 09:03 AM	115330
2405086-04B	Effluent Grabs 1-4	05/08/24 06:00 PM	Aqueous	M4500-CN E	Cyanide Water Prep	05/15/24 08:03 AM	115390
2405086-04C	Effluent Grabs 1-4	05/08/24 06:00 PM	Aqueous	E1664	1664 Prep	05/10/24 08:23 AM	115351
2405086-05A	Influent Comp	05/08/24 12:00 PM	Aqueous	E200.8_PR	Aq Digestion for Metals: ICP-MS	05/15/24 07:08 AM	115398
2405086-05B	Influent Comp	05/08/24 12:00 PM	Aqueous	M4500-P E	T-Phosphorus Prep Water	05/14/24 09:39 AM	115386
2405086-05C	Influent Comp	05/08/24 12:00 PM	Aqueous	E300	Anion Preparation	05/09/24 09:31 AM	115339
2405086-05D	Influent Comp	05/08/24 12:00 PM	Aqueous	E625_PR	Semivol Extraction for 625.1	05/13/24 09:22 AM	115369
	Influent Comp	05/08/24 12:00 PM	Aqueous	E625_PR	Semivol Extraction for 625.1	05/13/24 09:22 AM	115369
2405086-05E	Influent Comp	05/08/24 12:00 PM	Aqueous	E625_PR	Aq Prep Sep Funnel: Pest or PCB	05/10/24 08:47 AM	115352
2405086-05F	Influent Comp	05/08/24 12:00 PM	Aqueous	E625_PR	Aq Prep Sep Funnel: Pest or PCB	05/10/24 08:47 AM	115352
	Influent Comp	05/08/24 12:00 PM	Aqueous	E625_PR	Aq Prep Sep Funnel: Pest or PCB	05/10/24 08:47 AM	115352
2405086-05G	Influent Comp	05/08/24 12:00 PM	Aqueous	E632	632 Prep	05/13/24 08:53 AM	115364
2405086-06A	Effluent Comp	05/08/24 11:59 PM	Aqueous	E200.8_PR	Aq Digestion for Metals: ICP-MS	05/15/24 07:08 AM	115398
2405086-06B	Effluent Comp	05/08/24 11:59 PM	Aqueous	M4500-P E	T-Phosphorus Prep Water	05/14/24 09:39 AM	115386
2405086-06C	Effluent Comp	05/08/24 11:59 PM	Aqueous	E300	Anion Preparation	05/09/24 09:31 AM	115339
2405086-06D	Effluent Comp	05/08/24 11:59 PM	Aqueous	E625_PR	Semivol Extraction for 625.1	05/13/24 09:22 AM	115369
	Effluent Comp	05/08/24 11:59 PM	Aqueous	E625_PR	Semivol Extraction for 625.1	05/13/24 09:22 AM	115369
2405086-06E	Effluent Comp	05/08/24 11:59 PM	Aqueous	E625_PR	Aq Prep Sep Funnel: Pest or PCB	05/10/24 08:47 AM	115352
2405086-06F	Effluent Comp	05/08/24 11:59 PM	Aqueous	E625_PR	Aq Prep Sep Funnel: Pest or PCB	05/10/24 08:47 AM	115352
	Effluent Comp	05/08/24 11:59 PM	Aqueous	E625_PR	Aq Prep Sep Funnel: Pest or PCB	05/10/24 08:47 AM	115352
2405086-06G	Effluent Comp	05/08/24 11:59 PM	Aqueous	E632	632 Prep	05/13/24 08:53 AM	115364

**Lab Order:** 2405086  
**Client:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR

**ANALYTICAL DATES REPORT**

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2405086-01A	Influent Grab 1	Aqueous	M3500-Cr B	Hexavalent Chromium-Water	115308	1	05/08/24 10:36 AM	UV/VIS_2_240508C
	Influent Grab 1	Aqueous	M3500-Cr B	Hexavalent Chromium-Water	115308	1	05/08/24 10:35 AM	UV/VIS_2_240508C
2405086-01B	Influent Grab 1	Aqueous	E245.7	Mercury Low Level	R133254	1.06	05/15/24 01:41 PM	SUB_240515B
2405086-02A	Effluent Grab 1	Aqueous	M3500-Cr B	Hexavalent Chromium-Water	115308	1	05/08/24 10:38 AM	UV/VIS_2_240508C
2405086-02B	Effluent Grab 1	Aqueous	E245.7	Mercury Low Level	R133254	1.06	05/15/24 01:51 PM	SUB_240515B
2405086-03A	Influent Grabs 1-4	Aqueous	E624.1	624.1 Volatiles Water	115330	5	05/09/24 03:56 PM	GCMS5_240509A
2405086-03B	Influent Grabs 1-4	Aqueous	M4500-CN E	Cyanide - Water Sample	115390	1	05/15/24 03:14 PM	UV/VIS_2_240515D
2405086-03C	Influent Grabs 1-4	Aqueous	E1664A	Total Oil & Grease	115351	1	05/10/24 05:00 PM	WC_240510C
2405086-04A	Effluent Grabs 1-4	Aqueous	E624.1	624.1 Volatiles Water	115330	1	05/09/24 04:21 PM	GCMS5_240509A
2405086-04B	Effluent Grabs 1-4	Aqueous	M4500-CN E	Cyanide - Water Sample	115390	1	05/15/24 03:15 PM	UV/VIS_2_240515D
2405086-04C	Effluent Grabs 1-4	Aqueous	E1664A	Total Oil & Grease	115351	1	05/10/24 05:00 PM	WC_240510C
2405086-05A	Influent Comp	Aqueous	E200.8	Total Recoverable Metals: ICP-MS	115398	1	05/15/24 12:48 PM	ICP-MS5_240515B
2405086-05B	Influent Comp	Aqueous	M4500-P E	Total Phosphorus	115386	10	05/15/24 09:44 AM	UV/VIS_2_240515A
2405086-05C	Influent Comp	Aqueous	E300	Anions by IC method - Water	115339	1	05/09/24 03:15 PM	IC4_240509A
2405086-05D	Influent Comp	Aqueous	E625.1	625.1 Semivolatile Water	115369	1	05/14/24 03:13 PM	GCMS4_240514C
	Influent Comp	Aqueous	D7065-17	Nonylphenol in Water by ASTM Method	115369	1	05/14/24 12:27 PM	GCMS9_240514A
2405086-05E	Influent Comp	Aqueous	E625.1	625.1 PCB by GC/MS	115352	1	05/13/24 03:38 PM	GCMS8_240513A
2405086-05F	Influent Comp	Aqueous	E625.1	625.1 Pesticide by GC/MS	115352	1	05/13/24 02:55 PM	GCMS10_240513A
	Influent Comp	Aqueous	D5812-96mod	Dicofol in Water by ASTM Method	115352	1	05/13/24 02:55 PM	GCMS10_240513B
2405086-05G	Influent Comp	Aqueous	E632	Diuron-Hexachlorophene by LCMS	115364	1	05/13/24 06:55 PM	LCMS2_240513A
2405086-05H	Influent Comp	Aqueous	E615	Herbicide in Water	R133255	1.9	05/17/24 06:37 AM	SUB_240517A
2405086-06A	Effluent Comp	Aqueous	E200.8	Total Recoverable Metals: ICP-MS	115398	1	05/15/24 12:50 PM	ICP-MS5_240515B
2405086-06B	Effluent Comp	Aqueous	M4500-P E	Total Phosphorus	115386	1	05/15/24 09:29 AM	UV/VIS_2_240515A
2405086-06C	Effluent Comp	Aqueous	E300	Anions by IC method - Water	115339	1	05/09/24 03:34 PM	IC4_240509A
2405086-06D	Effluent Comp	Aqueous	E625.1	625.1 Semivolatile Water	115369	1	05/14/24 02:24 PM	GCMS4_240514C
	Effluent Comp	Aqueous	D7065-17	Nonylphenol in Water by ASTM Method	115369	1	05/14/24 11:43 AM	GCMS9_240514A
2405086-06E	Effluent Comp	Aqueous	E625.1	625.1 PCB by GC/MS	115352	1	05/13/24 02:37 PM	GCMS8_240513A
2405086-06F	Effluent Comp	Aqueous	E625.1	625.1 Pesticide by GC/MS	115352	1	05/13/24 02:00 PM	GCMS10_240513A

**Lab Order:** 2405086  
**Client:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR

**ANALYTICAL DATES REPORT**

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2405086-06F	Effluent Comp	Aqueous	D5812-96mod	Dicofol in Water by ASTM Method	115352	1	05/13/24 02:00 PM	GCMS10_240513B
2405086-06G	Effluent Comp	Aqueous	E632	Diuron-Hexachlorophene by LCMS	115364	1	05/13/24 07:06 PM	LCMS2_240513A
2405086-06H	Effluent Comp	Aqueous	E615	Herbicide in Water	R133255	1.9	05/17/24 06:57 AM	SUB_240517A

**DHL Analytical, Inc.****Date:** 29-May-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Project No:**  
**Lab Order:** 2405086

**Client Sample ID:** Influent Grab 1  
**Lab ID:** 2405086-01  
**Collection Date:** 05/07/24 12:00 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>MERCURY LOW LEVEL</b>		<b>E245.7</b>		Analyst: <b>SUB</b>			
Mercury	0.00307	0.00128	0.00532	J	µg/L	1.06	05/15/24 01:41 PM
<b>HEXAVALENT CHROMIUM-WATER</b>		<b>M3500-CR B</b>		Analyst: <b>JS</b>			
Chromium (Hex)	<3.00	3.00	3.00		µg/L	1	05/08/24 10:35 AM
Chromium (Tri)	<3.00	3.00	3.00	N	µg/L	1	05/08/24 10:35 AM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

**DHL Analytical, Inc.****Date:** 29-May-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Project No:**  
**Lab Order:** 2405086

**Client Sample ID:** Effluent Grab 1  
**Lab ID:** 2405086-02  
**Collection Date:** 05/07/24 11:59 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>MERCURY LOW LEVEL</b>		<b>E245.7</b>					Analyst: <b>SUB</b>
Mercury	<0.00128	0.00128	0.00532		µg/L	1.06	05/15/24 01:51 PM
<b>HEXAVALENT CHROMIUM-WATER</b>		<b>M3500-CR B</b>					Analyst: <b>JS</b>
Chromium (Hex)	<3.00	3.00	3.00		µg/L	1	05/08/24 10:38 AM
Chromium (Tri)	<3.00	3.00	3.00	N	µg/L	1	05/08/24 10:38 AM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

# DHL Analytical, Inc.

Date: 29-May-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Project No:**  
**Lab Order:** 2405086

**Client Sample ID:** Influent Grabs 1-4  
**Lab ID:** 2405086-03  
**Collection Date:** 05/08/24 06:00 AM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>TOTAL OIL &amp; GREASE</b>		<b>E1664A</b>		Analyst: <b>CF</b>			
Oil & Grease	26200	2370	8460		µg/L	1	05/10/24 05:00 PM
<b>624.1 VOLATILES WATER</b>		<b>E624.1</b>		Analyst: <b>JVR</b>			
Benzene	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
Carbon tetrachloride	<5.00	5.00	10.0		µg/L	5	05/09/24 03:56 PM
Chlorobenzene	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
Chloroform	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
Chlorodibromomethane	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
1,2-Dibromoethane	<5.00	5.00	10.0		µg/L	5	05/09/24 03:56 PM
1,2-Dichloroethane	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
1,1-Dichloroethylene	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
Methyl ethyl ketone	<75.0	75.0	250		µg/L	5	05/09/24 03:56 PM
Tetrachloroethylene	<10.0	10.0	50.0		µg/L	5	05/09/24 03:56 PM
Trichloroethylene	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
1,1,1-Trichloroethane	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
TTHM (Total Trihalomethanes)	<25.0	25.0	50.0		µg/L	5	05/09/24 03:56 PM
Vinyl chloride	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
Acrolein	<75.0	75.0	250		µg/L	5	05/09/24 03:56 PM
Acrylonitrile	<15.0	15.0	250		µg/L	5	05/09/24 03:56 PM
Bromoform	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
Chloroethane	<10.0	10.0	50.0		µg/L	5	05/09/24 03:56 PM
2-Chloroethylvinyl Ether	<30.0	30.0	50.0		µg/L	5	05/09/24 03:56 PM
Dichlorobromomethane	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
1,1-Dichloroethane	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
1,2-Dichloropropane	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
1,3-Dichloropropylene	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
Ethyl benzene	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
Methyl bromide	<25.0	25.0	100		µg/L	5	05/09/24 03:56 PM
Methyl chloride	<5.00	5.00	100		µg/L	5	05/09/24 03:56 PM
Methylene chloride	<12.5	12.5	100		µg/L	5	05/09/24 03:56 PM
1,1,2,2-Tetra-chloroethane	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
Toluene	<10.0	10.0	50.0		µg/L	5	05/09/24 03:56 PM
1,2-Trans-Dichloroethylene	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
1,1,2-Trichloroethane	<5.00	5.00	50.0		µg/L	5	05/09/24 03:56 PM
1,2-Dichlorobenzene	<5.00	5.00	25.0		µg/L	5	05/09/24 03:56 PM
1,3-Dichlorobenzene	<5.00	5.00	25.0		µg/L	5	05/09/24 03:56 PM
1,4-Dichlorobenzene	<5.00	5.00	25.0		µg/L	5	05/09/24 03:56 PM
Surr: 1,2-Dichloroethane-d4	104	0	72-119		%REC	5	05/09/24 03:56 PM
Surr: 4-Bromofluorobenzene	105	0	76-119		%REC	5	05/09/24 03:56 PM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

**DHL Analytical, Inc.****Date:** 29-May-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Project No:**  
**Lab Order:** 2405086

**Client Sample ID:** Influent Grabs 1-4  
**Lab ID:** 2405086-03  
**Collection Date:** 05/08/24 06:00 AM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>624.1 VOLATILES WATER</b>		<b>E624.1</b>					Analyst: <b>JVR</b>
Surr: Dibromofluoromethane	99.5	0	85-115		%REC	5	05/09/24 03:56 PM
Surr: Toluene-d8	107	0	81-120		%REC	5	05/09/24 03:56 PM
<b>CYANIDE - WATER SAMPLE</b>		<b>M4500-CN E</b>					Analyst: <b>SMA</b>
Cyanide, Available	<10.0	10.0	10.0		µg/L	1	05/15/24 03:14 PM
Cyanide, Total	<10.0	10.0	10.0		µg/L	1	05/15/24 03:14 PM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

**DHL Analytical, Inc.**

Date: 29-May-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Project No:**  
**Lab Order:** 2405086

**Client Sample ID:** Effluent Grabs 1-4  
**Lab ID:** 2405086-04  
**Collection Date:** 05/08/24 06:00 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>TOTAL OIL &amp; GREASE</b>		<b>E1664A</b>		Analyst: <b>CF</b>			
Oil & Grease	2110	1410	5030	J	µg/L	1	05/10/24 05:00 PM
<b>624.1 VOLATILES WATER</b>		<b>E624.1</b>		Analyst: <b>JVR</b>			
Benzene	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
Carbon tetrachloride	<1.00	1.00	2.00		µg/L	1	05/09/24 04:21 PM
Chlorobenzene	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
Chloroform	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
Chlorodibromomethane	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
1,2-Dibromoethane	<1.00	1.00	2.00		µg/L	1	05/09/24 04:21 PM
1,2-Dichloroethane	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
1,1-Dichloroethylene	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
Methyl ethyl ketone	<15.0	15.0	50.0		µg/L	1	05/09/24 04:21 PM
Tetrachloroethylene	<2.00	2.00	10.0		µg/L	1	05/09/24 04:21 PM
Trichloroethylene	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
1,1,1-Trichloroethane	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
TTHM (Total Trihalomethanes)	<5.00	5.00	10.0		µg/L	1	05/09/24 04:21 PM
Vinyl chloride	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
Acrolein	<15.0	15.0	50.0		µg/L	1	05/09/24 04:21 PM
Acrylonitrile	<3.00	3.00	50.0		µg/L	1	05/09/24 04:21 PM
Bromoform	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
Chloroethane	<2.00	2.00	10.0		µg/L	1	05/09/24 04:21 PM
2-Chloroethylvinyl Ether	<6.00	6.00	10.0		µg/L	1	05/09/24 04:21 PM
Dichlorobromomethane	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
1,1-Dichloroethane	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
1,2-Dichloropropane	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
1,3-Dichloropropylene	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
Ethyl benzene	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
Methyl bromide	<5.00	5.00	20.0		µg/L	1	05/09/24 04:21 PM
Methyl chloride	<1.00	1.00	20.0		µg/L	1	05/09/24 04:21 PM
Methylene chloride	<2.50	2.50	20.0		µg/L	1	05/09/24 04:21 PM
1,1,2,2-Tetra-chloroethane	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
Toluene	<2.00	2.00	10.0		µg/L	1	05/09/24 04:21 PM
1,2-Trans-Dichloroethylene	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
1,1,2-Trichloroethane	<1.00	1.00	10.0		µg/L	1	05/09/24 04:21 PM
1,2-Dichlorobenzene	<1.00	1.00	5.00		µg/L	1	05/09/24 04:21 PM
1,3-Dichlorobenzene	<1.00	1.00	5.00		µg/L	1	05/09/24 04:21 PM
1,4-Dichlorobenzene	<1.00	1.00	5.00		µg/L	1	05/09/24 04:21 PM
Surr: 1,2-Dichloroethane-d4	104	0	72-119		%REC	1	05/09/24 04:21 PM
Surr: 4-Bromofluorobenzene	108	0	76-119		%REC	1	05/09/24 04:21 PM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

**DHL Analytical, Inc.****Date:** 29-May-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Project No:**  
**Lab Order:** 2405086

**Client Sample ID:** Effluent Grabs 1-4  
**Lab ID:** 2405086-04  
**Collection Date:** 05/08/24 06:00 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>624.1 VOLATILES WATER</b>		<b>E624.1</b>					Analyst: <b>JVR</b>
Surr: Dibromofluoromethane	98.9	0	85-115		%REC	1	05/09/24 04:21 PM
Surr: Toluene-d8	107	0	81-120		%REC	1	05/09/24 04:21 PM
<b>CYANIDE - WATER SAMPLE</b>		<b>M4500-CN E</b>					Analyst: <b>SMA</b>
Cyanide, Available	<10.0	10.0	10.0		µg/L	1	05/15/24 03:15 PM
Cyanide, Total	<10.0	10.0	10.0		µg/L	1	05/15/24 03:15 PM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

# DHL Analytical, Inc.

Date: 29-May-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Project No:**  
**Lab Order:** 2405086

**Client Sample ID:** Influent Comp  
**Lab ID:** 2405086-05  
**Collection Date:** 05/08/24 12:00 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>DIURON-HEXACHLOROPHENE BY LCMS</b>		<b>E632</b>		Analyst: <b>RA</b>			
Diuron	<0.278	0.278	0.741	N	µg/L	1	05/13/24 06:55 PM
Hexachlorophene	<9.26	9.26	46.3	N	µg/L	1	05/13/24 06:55 PM
Surr: Carbazole	73.2	0	35-145		%REC	1	05/13/24 06:55 PM
<b>TOTAL RECOVERABLE METALS: ICP-MS</b>		<b>E200.8</b>		Analyst: <b>SP</b>			
Aluminum, Total	534	10.0	30.0		µg/L	1	05/15/24 12:48 PM
Antimony, Total	<0.800	0.800	2.50		µg/L	1	05/15/24 12:48 PM
Arsenic, Total	<2.00	2.00	5.00		µg/L	1	05/15/24 12:48 PM
Barium, Total	55.6	3.00	10.0		µg/L	1	05/15/24 12:48 PM
Beryllium, Total	<0.300	0.300	1.00		µg/L	1	05/15/24 12:48 PM
Cadmium, Total	<0.300	0.300	1.00		µg/L	1	05/15/24 12:48 PM
Chromium, Total	<2.00	2.00	5.00		µg/L	1	05/15/24 12:48 PM
Copper, Total	25.3	2.00	10.0		µg/L	1	05/15/24 12:48 PM
Lead, Total	1.06	0.300	1.00		µg/L	1	05/15/24 12:48 PM
Manganese	30.0	2.00	2.00		µg/L	1	05/15/24 12:48 PM
Molybdenum	2.04	2.00	5.00	J	µg/L	1	05/15/24 12:48 PM
Nickel, Total	<3.00	3.00	10.0		µg/L	1	05/15/24 12:48 PM
Selenium, Total	<2.00	2.00	5.00		µg/L	1	05/15/24 12:48 PM
Silver, Total	<1.00	1.00	2.00		µg/L	1	05/15/24 12:48 PM
Thallium, Total	<0.500	0.500	1.50		µg/L	1	05/15/24 12:48 PM
Zinc, Total	63.2	2.00	5.00		µg/L	1	05/15/24 12:48 PM
<b>625.1 PCB BY GC/MS</b>		<b>E625.1</b>		Analyst: <b>DEW</b>			
Aroclor 1016	<0.951	0.951	1.90		µg/L	1	05/13/24 03:38 PM
Aroclor 1221	<0.951	0.951	1.90		µg/L	1	05/13/24 03:38 PM
Aroclor 1232	<0.951	0.951	1.90		µg/L	1	05/13/24 03:38 PM
Aroclor 1242	<0.951	0.951	1.90		µg/L	1	05/13/24 03:38 PM
Aroclor 1248	<0.951	0.951	1.90		µg/L	1	05/13/24 03:38 PM
Aroclor 1254	<0.951	0.951	1.90		µg/L	1	05/13/24 03:38 PM
Aroclor 1260	<0.951	0.951	1.90		µg/L	1	05/13/24 03:38 PM
Total PCBs	<0.951	0.951	1.90		µg/L	1	05/13/24 03:38 PM
Surr: 2-Fluorobiphenyl	51.5	0	43-116		%REC	1	05/13/24 03:38 PM
Surr: 4-Terphenyl-d14	65.9	0	33-141		%REC	1	05/13/24 03:38 PM
<b>625.1 SEMIVOLATILE WATER</b>		<b>E625.1</b>		Analyst: <b>DEW</b>			
Benzidine	<47.3	47.3	473		µg/L	1	05/14/24 03:13 PM
Benzo(a)anthracene	<18.9	18.9	47.3		µg/L	1	05/14/24 03:13 PM
Benzo(a)pyrene	<18.9	18.9	47.3		µg/L	1	05/14/24 03:13 PM
Chrysene	<18.9	18.9	47.3		µg/L	1	05/14/24 03:13 PM
2,4-Dimethylphenol	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

# DHL Analytical, Inc.

Date: 29-May-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Project No:**  
**Lab Order:** 2405086

**Client Sample ID:** Influent Comp  
**Lab ID:** 2405086-05  
**Collection Date:** 05/08/24 12:00 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>625.1 SEMIVOLATILE WATER</b>		<b>E625.1</b>		Analyst: <b>DEW</b>			
4,6-Dinitro-o-cresol	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
m,p-Cresols	64.4	18.9	94.7	J	µg/L	1	05/14/24 03:13 PM
o-Cresols	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
p-Chloro-m-Cresol	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Hexachlorobenzene	<18.9	18.9	47.3		µg/L	1	05/14/24 03:13 PM
Hexachlorobutadiene	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Hexachloroethane	<18.9	18.9	189		µg/L	1	05/14/24 03:13 PM
Nitrobenzene	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
N-Nitrosodiethylamine	<18.9	18.9	189		µg/L	1	05/14/24 03:13 PM
N-Nitro-di-n-Butylamine	<18.9	18.9	189		µg/L	1	05/14/24 03:13 PM
Pentachlorobenzene	<18.9	18.9	189		µg/L	1	05/14/24 03:13 PM
Pentachlorophenol	<18.9	18.9	47.3		µg/L	1	05/14/24 03:13 PM
Phenanthrene	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Pyridine	<37.9	37.9	189		µg/L	1	05/14/24 03:13 PM
1,2,4,5-Tetrachlorobenzene	<18.9	18.9	189		µg/L	1	05/14/24 03:13 PM
2,4,5-Trichlorophenol	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
2-Chlorophenol	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
2,4-Dichlorophenol	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
2,4-Dinitrophenol	<18.9	18.9	473		µg/L	1	05/14/24 03:13 PM
2-Nitrophenol	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
4-Nitrophenol	<18.9	18.9	473		µg/L	1	05/14/24 03:13 PM
Phenol	30.3	18.9	94.7	J	µg/L	1	05/14/24 03:13 PM
2,4,6-Trichlorophenol	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
3,4-Benzofluoranthene	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Acenaphthene	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Acenaphthylene	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Anthracene	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Benzo(ghi)perylene	<18.9	18.9	189		µg/L	1	05/14/24 03:13 PM
Benzo(k)Fluoranthene	<18.9	18.9	47.3		µg/L	1	05/14/24 03:13 PM
Bis(2-chloroethoxy)methane	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Bis(2-chloroethyl)ether	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Bis(2-chloroisopropyl)ether	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Bis(2-ethylhexyl)phthalate	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
4-Bromophenyl phenyl ether	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Butylbenzyl Phthalate	<37.9	37.9	94.7		µg/L	1	05/14/24 03:13 PM
2-Chloronaphthalene	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
4-Chlorophenyl phenyl ether	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Dibenzo(a,h)Anthracene	<18.9	18.9	47.3		µg/L	1	05/14/24 03:13 PM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

# DHL Analytical, Inc.

Date: 29-May-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Project No:**  
**Lab Order:** 2405086

**Client Sample ID:** Influent Comp  
**Lab ID:** 2405086-05  
**Collection Date:** 05/08/24 12:00 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>625.1 SEMIVOLATILE WATER</b>		<b>E625.1</b>		Analyst: <b>DEW</b>			
3,3-Dichlorobenzidine	<18.9	18.9	47.3		µg/L	1	05/14/24 03:13 PM
Diethyl phthalate	<37.9	37.9	94.7		µg/L	1	05/14/24 03:13 PM
Dimethyl phthalate	<37.9	37.9	94.7		µg/L	1	05/14/24 03:13 PM
Di-n-butyl phthalate	<37.9	37.9	94.7		µg/L	1	05/14/24 03:13 PM
2,4-Dinitrotoluene	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
2,6-Dinitrotoluene	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Di-n-octyl phthalate	<37.9	37.9	94.7		µg/L	1	05/14/24 03:13 PM
1,2-Diphenyl Hydrazine	<18.9	18.9	189		µg/L	1	05/14/24 03:13 PM
Fluoranthene	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Fluorene	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Hexachloro-cyclopentadiene	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Indeno(1,2,3-cd)pyrene	<18.9	18.9	47.3		µg/L	1	05/14/24 03:13 PM
Isophorone	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Naphthalene	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
N-Nitrosodimethylamine	<18.9	18.9	189		µg/L	1	05/14/24 03:13 PM
N-Nitrosodi-n-propylamine	<18.9	18.9	189		µg/L	1	05/14/24 03:13 PM
N-Nitrosodiphenylamine	<18.9	18.9	189		µg/L	1	05/14/24 03:13 PM
Pyrene	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
1,2,4-Trichlorobenzene	<18.9	18.9	94.7		µg/L	1	05/14/24 03:13 PM
Cresols	64.4	18.9	94.7	J	µg/L	1	05/14/24 03:13 PM
Phenol, Total	30.3	18.9	94.7	J	µg/L	1	05/14/24 03:13 PM
Surr: 2,4,6-Tribromophenol	81.8	0	10-123		%REC	1	05/14/24 03:13 PM
Surr: 2-Fluorobiphenyl	66.0	0	43-116		%REC	1	05/14/24 03:13 PM
Surr: 2-Fluorophenol	32.5	0	21-100		%REC	1	05/14/24 03:13 PM
Surr: 4-Terphenyl-d14	94.0	0	33-141		%REC	1	05/14/24 03:13 PM
Surr: Nitrobenzene-d5	67.5	0	35-115		%REC	1	05/14/24 03:13 PM
Surr: Phenol-d5	20.8	0	10-94		%REC	1	05/14/24 03:13 PM
<b>625.1 PESTICIDE BY GC/MS</b>		<b>E625.1</b>		Analyst: <b>DEW</b>			
4,4-DDD	<0.0896	0.0896	0.179		µg/L	1	05/13/24 02:55 PM
4,4-DDE	<0.0896	0.0896	0.179		µg/L	1	05/13/24 02:55 PM
4,4-DDT	<0.0896	0.0896	0.179		µg/L	1	05/13/24 02:55 PM
Aldrin	<0.0896	0.0896	0.0896		µg/L	1	05/13/24 02:55 PM
alpha-BHC	<0.0896	0.0896	0.179		µg/L	1	05/13/24 02:55 PM
alpha-Endosulfan	<0.0896	0.0896	0.0896		µg/L	1	05/13/24 02:55 PM
beta-BHC	<0.0896	0.0896	0.179		µg/L	1	05/13/24 02:55 PM
beta-Endosulfan	<0.0896	0.0896	0.179		µg/L	1	05/13/24 02:55 PM
Carbaryl	<0.0896	0.0896	0.269	N	µg/L	1	05/13/24 02:55 PM
Chlordane	<0.538	0.538	1.79	N	µg/L	1	05/13/24 02:55 PM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

# DHL Analytical, Inc.

Date: 29-May-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Project No:**  
**Lab Order:** 2405086

**Client Sample ID:** Influent Comp  
**Lab ID:** 2405086-05  
**Collection Date:** 05/08/24 12:00 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>625.1 PESTICIDE BY GC/MS</b>		<b>E625.1</b>		Analyst: <b>DEW</b>			
Chlorpyrifos	<0.0896	0.0896	0.269	N	µg/L	1	05/13/24 02:55 PM
delta-BHC	<0.0896	0.0896	0.179		µg/L	1	05/13/24 02:55 PM
Diazinon	<0.0896	0.0896	0.269	N	µg/L	1	05/13/24 02:55 PM
Dieldrin	<0.0896	0.0896	0.179		µg/L	1	05/13/24 02:55 PM
Endosulfan sulfate	<0.0896	0.0896	0.179		µg/L	1	05/13/24 02:55 PM
Endrin	<0.0896	0.0896	0.179		µg/L	1	05/13/24 02:55 PM
Endrin aldehyde	<0.0896	0.0896	0.179		µg/L	1	05/13/24 02:55 PM
gamma-BHC	<0.0896	0.0896	0.179		µg/L	1	05/13/24 02:55 PM
Guthion	<0.0896	0.0896	0.269	N	µg/L	1	05/13/24 02:55 PM
Heptachlor	<0.0896	0.0896	0.0896		µg/L	1	05/13/24 02:55 PM
Heptachlor epoxide	<0.0896	0.0896	0.0896		µg/L	1	05/13/24 02:55 PM
Malathion	<0.0896	0.0896	0.269	N	µg/L	1	05/13/24 02:55 PM
Methoxychlor	<0.179	0.179	0.179	N	µg/L	1	05/13/24 02:55 PM
Mirex	<0.0896	0.0896	0.179	N	µg/L	1	05/13/24 02:55 PM
Parathion	<0.0896	0.0896	0.269	N	µg/L	1	05/13/24 02:55 PM
Toxaphene	<2.69	2.69	2.69		µg/L	1	05/13/24 02:55 PM
Demeton	<0.0896	0.0896	0.269	N	µg/L	1	05/13/24 02:55 PM
Surr: 2-Fluorobiphenyl	60.6	0	43-116		%REC	1	05/13/24 02:55 PM
Surr: 4-Terphenyl-d14	96.7	0	33-141		%REC	1	05/13/24 02:55 PM
<b>DICOFOL IN WATER BY ASTM METHOD</b>		<b>D5812-96MOD</b>		Analyst: <b>DEW</b>			
Dicofol	<1.79	1.79	3.58	N	µg/L	1	05/13/24 02:55 PM
<b>NONYLPHENOL IN WATER BY ASTM METHOD</b>		<b>D7065-17</b>		Analyst: <b>DEW</b>			
Nonylphenol	<663	663	947	N	µg/L	1	05/14/24 12:27 PM
<b>HERBICIDE IN WATER</b>		<b>E615</b>		Analyst: <b>SUB</b>			
2,4-D	<0.303	0.303	0.952		µg/L	1.9	05/17/24 06:37 AM
2,4,5-TP (Silvex)	<0.170	0.170	0.571		µg/L	1.9	05/17/24 06:37 AM
<b>ANIONS BY IC METHOD - WATER</b>		<b>E300</b>		Analyst: <b>KES</b>			
Fluoride	181	100	400	J	µg/L	1	05/09/24 03:15 PM
Nitrate-N	<100	100	500		µg/L	1	05/09/24 03:15 PM
<b>TOTAL PHOSPHORUS</b>		<b>M4500-P E</b>		Analyst: <b>KES</b>			
Phosphorus	3850	400	1000		µg/L	10	05/15/24 09:44 AM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

# DHL Analytical, Inc.

Date: 29-May-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Project No:**  
**Lab Order:** 2405086

**Client Sample ID:** Effluent Comp  
**Lab ID:** 2405086-06  
**Collection Date:** 05/08/24 11:59 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>DIURON-HEXACHLOROPHENE BY LCMS</b>		<b>E632</b>		Analyst: <b>RA</b>			
Diuron	<0.0293	0.0293	0.0783	N	µg/L	1	05/13/24 07:06 PM
Hexachlorophene	<0.978	0.978	4.89	N	µg/L	1	05/13/24 07:06 PM
Surr: Carbazole	60.8	0	35-145		%REC	1	05/13/24 07:06 PM
<b>TOTAL RECOVERABLE METALS: ICP-MS</b>		<b>E200.8</b>		Analyst: <b>SP</b>			
Aluminum, Total	27.1	10.0	30.0	J	µg/L	1	05/15/24 12:50 PM
Antimony, Total	<0.800	0.800	2.50		µg/L	1	05/15/24 12:50 PM
Arsenic, Total	<2.00	2.00	5.00		µg/L	1	05/15/24 12:50 PM
Barium, Total	39.7	3.00	10.0		µg/L	1	05/15/24 12:50 PM
Beryllium, Total	<0.300	0.300	1.00		µg/L	1	05/15/24 12:50 PM
Cadmium, Total	<0.300	0.300	1.00		µg/L	1	05/15/24 12:50 PM
Chromium, Total	<2.00	2.00	5.00		µg/L	1	05/15/24 12:50 PM
Copper, Total	4.19	2.00	10.0	J	µg/L	1	05/15/24 12:50 PM
Lead, Total	<0.300	0.300	1.00		µg/L	1	05/15/24 12:50 PM
Manganese	4.13	2.00	2.00		µg/L	1	05/15/24 12:50 PM
Molybdenum	<2.00	2.00	5.00		µg/L	1	05/15/24 12:50 PM
Nickel, Total	<3.00	3.00	10.0		µg/L	1	05/15/24 12:50 PM
Selenium, Total	<2.00	2.00	5.00		µg/L	1	05/15/24 12:50 PM
Silver, Total	<1.00	1.00	2.00		µg/L	1	05/15/24 12:50 PM
Thallium, Total	<0.500	0.500	1.50		µg/L	1	05/15/24 12:50 PM
Zinc, Total	36.1	2.00	5.00		µg/L	1	05/15/24 12:50 PM
<b>625.1 PCB BY GC/MS</b>		<b>E625.1</b>		Analyst: <b>DEW</b>			
Aroclor 1016	<0.0983	0.0983	0.197		µg/L	1	05/13/24 02:37 PM
Aroclor 1221	<0.0983	0.0983	0.197		µg/L	1	05/13/24 02:37 PM
Aroclor 1232	<0.0983	0.0983	0.197		µg/L	1	05/13/24 02:37 PM
Aroclor 1242	<0.0983	0.0983	0.197		µg/L	1	05/13/24 02:37 PM
Aroclor 1248	<0.0983	0.0983	0.197		µg/L	1	05/13/24 02:37 PM
Aroclor 1254	<0.0983	0.0983	0.197		µg/L	1	05/13/24 02:37 PM
Aroclor 1260	<0.0983	0.0983	0.197		µg/L	1	05/13/24 02:37 PM
Total PCBs	<0.0983	0.0983	0.197		µg/L	1	05/13/24 02:37 PM
Surr: 2-Fluorobiphenyl	52.4	0	43-116		%REC	1	05/13/24 02:37 PM
Surr: 4-Terphenyl-d14	64.1	0	33-141		%REC	1	05/13/24 02:37 PM
<b>625.1 SEMIVOLATILE WATER</b>		<b>E625.1</b>		Analyst: <b>DEW</b>			
Benzidine	<4.76	4.76	47.6		µg/L	1	05/14/24 02:24 PM
Benzo(a)anthracene	<1.90	1.90	4.76		µg/L	1	05/14/24 02:24 PM
Benzo(a)pyrene	<1.90	1.90	4.76		µg/L	1	05/14/24 02:24 PM
Chrysene	<1.90	1.90	4.76		µg/L	1	05/14/24 02:24 PM
2,4-Dimethylphenol	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

# DHL Analytical, Inc.

Date: 29-May-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Project No:**  
**Lab Order:** 2405086

**Client Sample ID:** Effluent Comp  
**Lab ID:** 2405086-06  
**Collection Date:** 05/08/24 11:59 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>625.1 SEMIVOLATILE WATER</b>		<b>E625.1</b>		Analyst: <b>DEW</b>			
4,6-Dinitro-o-cresol	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
m,p-Cresols	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
o-Cresols	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
p-Chloro-m-Cresol	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Hexachlorobenzene	<1.90	1.90	4.76		µg/L	1	05/14/24 02:24 PM
Hexachlorobutadiene	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Hexachloroethane	<1.90	1.90	19.0		µg/L	1	05/14/24 02:24 PM
Nitrobenzene	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
N-Nitrosodiethylamine	<1.90	1.90	19.0		µg/L	1	05/14/24 02:24 PM
N-Nitro-di-n-Butylamine	<1.90	1.90	19.0		µg/L	1	05/14/24 02:24 PM
Pentachlorobenzene	<1.90	1.90	19.0		µg/L	1	05/14/24 02:24 PM
Pentachlorophenol	<1.90	1.90	4.76		µg/L	1	05/14/24 02:24 PM
Phenanthrene	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Pyridine	<3.81	3.81	19.0		µg/L	1	05/14/24 02:24 PM
1,2,4,5-Tetrachlorobenzene	<1.90	1.90	19.0		µg/L	1	05/14/24 02:24 PM
2,4,5-Trichlorophenol	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
2-Chlorophenol	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
2,4-Dichlorophenol	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
2,4-Dinitrophenol	<1.90	1.90	47.6		µg/L	1	05/14/24 02:24 PM
2-Nitrophenol	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
4-Nitrophenol	<1.90	1.90	47.6		µg/L	1	05/14/24 02:24 PM
Phenol	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
2,4,6-Trichlorophenol	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
3,4-Benzofluoranthene	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Acenaphthene	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Acenaphthylene	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Anthracene	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Benzo(ghi)perylene	<1.90	1.90	19.0		µg/L	1	05/14/24 02:24 PM
Benzo(k)Fluoranthene	<1.90	1.90	4.76		µg/L	1	05/14/24 02:24 PM
Bis(2-chloroethoxy)methane	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Bis(2-chloroethyl)ether	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Bis(2-chloroisopropyl)ether	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Bis(2-ethylhexyl)phthalate	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
4-Bromophenyl phenyl ether	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Butylbenzyl Phthalate	<3.81	3.81	9.52		µg/L	1	05/14/24 02:24 PM
2-Chloronaphthalene	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
4-Chlorophenyl phenyl ether	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Dibenzo(a,h)Anthracene	<1.90	1.90	4.76		µg/L	1	05/14/24 02:24 PM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

# DHL Analytical, Inc.

Date: 29-May-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Project No:**  
**Lab Order:** 2405086

**Client Sample ID:** Effluent Comp  
**Lab ID:** 2405086-06  
**Collection Date:** 05/08/24 11:59 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>625.1 SEMIVOLATILE WATER</b>		<b>E625.1</b>		Analyst: <b>DEW</b>			
3,3-Dichlorobenzidine	<1.90	1.90	4.76		µg/L	1	05/14/24 02:24 PM
Diethyl phthalate	<3.81	3.81	9.52		µg/L	1	05/14/24 02:24 PM
Dimethyl phthalate	<3.81	3.81	9.52		µg/L	1	05/14/24 02:24 PM
Di-n-butyl phthalate	<3.81	3.81	9.52		µg/L	1	05/14/24 02:24 PM
2,4-Dinitrotoluene	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
2,6-Dinitrotoluene	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Di-n-octyl phthalate	<3.81	3.81	9.52		µg/L	1	05/14/24 02:24 PM
1,2-Diphenyl Hydrazine	<1.90	1.90	19.0		µg/L	1	05/14/24 02:24 PM
Fluoranthene	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Fluorene	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Hexachloro-cyclopentadiene	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Indeno(1,2,3-cd)pyrene	<1.90	1.90	4.76		µg/L	1	05/14/24 02:24 PM
Isophorone	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Naphthalene	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
N-Nitrosodimethylamine	<1.90	1.90	19.0		µg/L	1	05/14/24 02:24 PM
N-Nitrosodi-n-propylamine	<1.90	1.90	19.0		µg/L	1	05/14/24 02:24 PM
N-Nitrosodiphenylamine	<1.90	1.90	19.0		µg/L	1	05/14/24 02:24 PM
Pyrene	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
1,2,4-Trichlorobenzene	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Cresols	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Phenol, Total	<1.90	1.90	9.52		µg/L	1	05/14/24 02:24 PM
Surr: 2,4,6-Tribromophenol	82.2	0	10-123		%REC	1	05/14/24 02:24 PM
Surr: 2-Fluorobiphenyl	83.5	0	43-116		%REC	1	05/14/24 02:24 PM
Surr: 2-Fluorophenol	45.0	0	21-100		%REC	1	05/14/24 02:24 PM
Surr: 4-Terphenyl-d14	103	0	33-141		%REC	1	05/14/24 02:24 PM
Surr: Nitrobenzene-d5	86.0	0	35-115		%REC	1	05/14/24 02:24 PM
Surr: Phenol-d5	28.5	0	10-94		%REC	1	05/14/24 02:24 PM
<b>625.1 PESTICIDE BY GC/MS</b>		<b>E625.1</b>		Analyst: <b>DEW</b>			
4,4-DDD	<0.00974	0.00974	0.0195		µg/L	1	05/13/24 02:00 PM
4,4-DDE	<0.00974	0.00974	0.0195		µg/L	1	05/13/24 02:00 PM
4,4-DDT	<0.00974	0.00974	0.0195		µg/L	1	05/13/24 02:00 PM
Aldrin	<0.00974	0.00974	0.00974		µg/L	1	05/13/24 02:00 PM
alpha-BHC	<0.00974	0.00974	0.0195		µg/L	1	05/13/24 02:00 PM
alpha-Endosulfan	<0.00974	0.00974	0.00974		µg/L	1	05/13/24 02:00 PM
beta-BHC	<0.00974	0.00974	0.0195		µg/L	1	05/13/24 02:00 PM
beta-Endosulfan	<0.00974	0.00974	0.0195		µg/L	1	05/13/24 02:00 PM
Carbaryl	<0.00974	0.00974	0.0292	N	µg/L	1	05/13/24 02:00 PM
Chlordane	<0.0585	0.0585	0.195	N	µg/L	1	05/13/24 02:00 PM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

# DHL Analytical, Inc.

Date: 29-May-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** IPP WEST Plant Long QTR  
**Project No:**  
**Lab Order:** 2405086

**Client Sample ID:** Effluent Comp  
**Lab ID:** 2405086-06  
**Collection Date:** 05/08/24 11:59 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>625.1 PESTICIDE BY GC/MS</b>		<b>E625.1</b>		Analyst: <b>DEW</b>			
Chloropyrifos	<0.00974	0.00974	0.0292	N	µg/L	1	05/13/24 02:00 PM
delta-BHC	<0.00974	0.00974	0.0195		µg/L	1	05/13/24 02:00 PM
Diazinon	<0.00974	0.00974	0.0292	N	µg/L	1	05/13/24 02:00 PM
Dieldrin	<0.00974	0.00974	0.0195		µg/L	1	05/13/24 02:00 PM
Endosulfan sulfate	<0.00974	0.00974	0.0195		µg/L	1	05/13/24 02:00 PM
Endrin	<0.00974	0.00974	0.0195		µg/L	1	05/13/24 02:00 PM
Endrin aldehyde	<0.00974	0.00974	0.0195		µg/L	1	05/13/24 02:00 PM
gamma-BHC	<0.00974	0.00974	0.0195		µg/L	1	05/13/24 02:00 PM
Guthion	<0.00974	0.00974	0.0292	N	µg/L	1	05/13/24 02:00 PM
Heptachlor	<0.00974	0.00974	0.00974		µg/L	1	05/13/24 02:00 PM
Heptachlor epoxide	<0.00974	0.00974	0.00974		µg/L	1	05/13/24 02:00 PM
Malathion	<0.00974	0.00974	0.0292	N	µg/L	1	05/13/24 02:00 PM
Methoxychlor	<0.0195	0.0195	0.0195	N	µg/L	1	05/13/24 02:00 PM
Mirex	<0.00974	0.00974	0.0195	N	µg/L	1	05/13/24 02:00 PM
Parathion	<0.00974	0.00974	0.0292	N	µg/L	1	05/13/24 02:00 PM
Toxaphene	<0.292	0.292	0.292		µg/L	1	05/13/24 02:00 PM
Demeton	<0.00974	0.00974	0.0292	N	µg/L	1	05/13/24 02:00 PM
Surr: 2-Fluorobiphenyl	74.7	0	43-116		%REC	1	05/13/24 02:00 PM
Surr: 4-Terphenyl-d14	101	0	33-141		%REC	1	05/13/24 02:00 PM
<b>DICOFOL IN WATER BY ASTM METHOD</b>		<b>D5812-96MOD</b>		Analyst: <b>DEW</b>			
Dicofol	<0.195	0.195	0.390	N	µg/L	1	05/13/24 02:00 PM
<b>NONYLPHENOL IN WATER BY ASTM METHOD</b>		<b>D7065-17</b>		Analyst: <b>DEW</b>			
Nonylphenol	<66.6	66.6	95.2	N	µg/L	1	05/14/24 11:43 AM
<b>HERBICIDE IN WATER</b>		<b>E615</b>		Analyst: <b>SUB</b>			
2,4-D	0.776	0.302	0.949	J	µg/L	1.9	05/17/24 06:57 AM
2,4,5-TP (Silvex)	0.914	0.170	0.569		µg/L	1.9	05/17/24 06:57 AM
<b>ANIONS BY IC METHOD - WATER</b>		<b>E300</b>		Analyst: <b>KES</b>			
Fluoride	255	100	400	J	µg/L	1	05/09/24 03:34 PM
Nitrate-N	10400	100	500		µg/L	1	05/09/24 03:34 PM
<b>TOTAL PHOSPHORUS</b>		<b>M4500-P E</b>		Analyst: <b>KES</b>			
Phosphorus	247	40.0	100		µg/L	1	05/15/24 09:29 AM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

CLIENT: CITY OF ROUND ROCK

Work Order: 2405086

## ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR

RunID: LCMS2\_240513A

The QC data in batch 115364 applies to the following samples: 2405086-05G, 2405086-06G

Sample ID: <b>MB-115364</b>	Batch ID: <b>115364</b>	TestNo: <b>E632</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>LCMS2_240513A</b>	Analysis Date: <b>5/13/2024 5:13:53 PM</b>	Prep Date: <b>5/13/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diuron	<0.0300	0.0800								N
Hexachlorophene	<1.00	5.00								N
Surr: Carbazole	6.09		10.00		60.9	35	145			

Sample ID: <b>LCS-115364</b>	Batch ID: <b>115364</b>	TestNo: <b>E632</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>LCMS2_240513A</b>	Analysis Date: <b>5/13/2024 5:25:10 PM</b>	Prep Date: <b>5/13/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diuron	1.77	0.0800	2.000	0	88.6	35	145			N
Hexachlorophene	3.03	5.00	2.000	0	152	35	145			SN
Surr: Carbazole	7.44		10.00		74.4	35	145			

Sample ID: <b>LCSD-115364</b>	Batch ID: <b>115364</b>	TestNo: <b>E632</b>	Units: <b>µg/L</b>							
SampType: <b>LCSD</b>	Run ID: <b>LCMS2_240513A</b>	Analysis Date: <b>5/13/2024 5:36:27 PM</b>	Prep Date: <b>5/13/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diuron	2.09	0.0800	2.000	0	104	35	145	16.4	30	N
Hexachlorophene	3.32	5.00	2.000	0	166	35	145	8.94	30	SN
Surr: Carbazole	7.88		10.00		78.8	35	145	0	0	

**Qualifiers:**

B Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

J Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits

S Spike Recovery outside control limits

N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** LCMS2\_240513A

Sample ID: <b>ICV-240513</b>	Batch ID: <b>R133018</b>	TestNo: <b>E632</b>	Units: <b>µg/L</b>							
SampType: <b>ICV</b>	Run ID: <b>LCMS2_240513A</b>	Analysis Date: <b>5/13/2024 11:12:54 AM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diuron	100	0.0800	100.0	0	100	90	110			N
Hexachlorophene	138	5.00	100.0	0	138	90	110			SN
Surr: Carbazole	1020		1000		102	35	145			

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** ICP-MS5\_240515B

The QC data in batch 115398 applies to the following samples: 2405086-05A, 2405086-06A

Sample ID: <b>MB-115398</b>	Batch ID: <b>115398</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>
SampType: <b>MBLK</b>	Run ID: <b>ICP-MS5_240515B</b>	Analysis Date: <b>5/15/2024 12:29:00 PM</b>	Prep Date: <b>5/15/2024</b>

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum, Total	<10.0	30.0								
Antimony, Total	<0.800	2.50								
Arsenic, Total	<2.00	5.00								
Barium, Total	<3.00	10.0								
Beryllium, Total	<0.300	1.00								
Cadmium, Total	<0.300	1.00								
Chromium, Total	<2.00	5.00								
Copper, Total	<2.00	10.0								
Lead, Total	<0.300	1.00								
Manganese	<2.00	2.00								
Molybdenum	<2.00	5.00								
Nickel, Total	<3.00	10.0								
Selenium, Total	<2.00	5.00								
Silver, Total	<1.00	2.00								
Thallium, Total	<0.500	1.50								
Zinc, Total	<2.00	5.00								

Sample ID: <b>LCS-115398</b>	Batch ID: <b>115398</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>
SampType: <b>LCS</b>	Run ID: <b>ICP-MS5_240515B</b>	Analysis Date: <b>5/15/2024 12:32:00 PM</b>	Prep Date: <b>5/15/2024</b>

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum, Total	5050	30.0	5000	0	101	85	115			
Antimony, Total	204	2.50	200.0	0	102	85	115			
Arsenic, Total	201	5.00	200.0	0	100	85	115			
Barium, Total	200	10.0	200.0	0	100	85	115			
Beryllium, Total	191	1.00	200.0	0	95.3	85	115			
Cadmium, Total	200	1.00	200.0	0	99.8	85	115			
Chromium, Total	199	5.00	200.0	0	99.7	85	115			
Copper, Total	202	10.0	200.0	0	101	85	115			
Lead, Total	196	1.00	200.0	0	98.1	85	115			
Manganese	202	2.00	200.0	0	101	85	115			
Molybdenum	198	5.00	200.0	0	99.0	85	115			
Nickel, Total	205	10.0	200.0	0	102	85	115			
Selenium, Total	207	5.00	200.0	0	103	85	115			
Silver, Total	206	2.00	200.0	0	103	85	115			
Thallium, Total	194	1.50	200.0	0	96.9	85	115			
Zinc, Total	203	5.00	200.0	0	101	85	115			

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** ICP-MS5\_240515B

Sample ID: <b>LCSD-115398</b>	Batch ID: <b>115398</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>
SampType: <b>LCSD</b>	Run ID: <b>ICP-MS5_240515B</b>	Analysis Date: <b>5/15/2024 12:35:00 PM</b>	Prep Date: <b>5/15/2024</b>

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum, Total	4980	30.0	5000	0	99.6	85	115	1.48	15	
Antimony, Total	206	2.50	200.0	0	103	85	115	0.736	15	
Arsenic, Total	199	5.00	200.0	0	99.3	85	115	1.11	15	
Barium, Total	202	10.0	200.0	0	101	85	115	0.559	15	
Beryllium, Total	190	1.00	200.0	0	95.2	85	115	0.082	15	
Cadmium, Total	199	1.00	200.0	0	99.7	85	115	0.121	15	
Chromium, Total	197	5.00	200.0	0	98.7	85	115	1.01	15	
Copper, Total	202	10.0	200.0	0	101	85	115	0.161	15	
Lead, Total	198	1.00	200.0	0	99.1	85	115	1.06	15	
Manganese	199	2.00	200.0	0	99.7	85	115	1.16	15	
Molybdenum	200	5.00	200.0	0	99.8	85	115	0.769	15	
Nickel, Total	204	10.0	200.0	0	102	85	115	0.359	15	
Selenium, Total	205	5.00	200.0	0	102	85	115	1.15	15	
Silver, Total	206	2.00	200.0	0	103	85	115	0.229	15	
Thallium, Total	196	1.50	200.0	0	98.1	85	115	1.26	15	
Zinc, Total	201	5.00	200.0	0	101	85	115	0.766	15	

Sample ID: <b>2405085-07A SD</b>	Batch ID: <b>115398</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>
SampType: <b>SD</b>	Run ID: <b>ICP-MS5_240515B</b>	Analysis Date: <b>5/15/2024 12:42:00 PM</b>	Prep Date: <b>5/15/2024</b>

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum, Total	<50.0	150	0	47.37				0	10	
Antimony, Total	<4.00	12.5	0	0				0	10	
Arsenic, Total	<10.0	25.0	0	0.9830				0	10	
Barium, Total	22.1	50.0	0	22.98				3.95	10	
Beryllium, Total	<1.50	5.00	0	0				0	10	
Cadmium, Total	<1.50	5.00	0	0				0	10	
Chromium, Total	<10.0	25.0	0	0				0	10	
Copper, Total	<10.0	50.0	0	3.729				0	10	
Lead, Total	<1.50	5.00	0	0				0	10	
Manganese	14.3	10.0	0	14.53				1.74	10	
Molybdenum	<10.0	25.0	0	2.095				0	10	
Nickel, Total	<15.0	50.0	0	0				0	10	
Selenium, Total	<10.0	25.0	0	0				0	10	
Silver, Total	<5.00	10.0	0	0				0	10	
Thallium, Total	<2.50	7.50	0	0				0	10	
Zinc, Total	26.9	25.0	0	26.14				3.01	10	

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** ICP-MS5\_240515B

Sample ID: <b>2405085-07A PDS</b>	Batch ID: <b>115398</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>							
SampType: <b>PDS</b>	Run ID: <b>ICP-MS5_240515B</b>	Analysis Date: <b>5/15/2024 1:09:00 PM</b>	Prep Date: <b>5/15/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Aluminum, Total	4980	30.0	5000	47.37	98.6	75	125			
Antimony, Total	177	2.50	200.0	0	88.6	75	125			
Arsenic, Total	188	5.00	200.0	0.9830	93.4	75	125			
Barium, Total	216	10.0	200.0	22.98	96.6	75	125			
Beryllium, Total	187	1.00	200.0	0	93.4	75	125			
Cadmium, Total	193	1.00	200.0	0	96.5	75	125			
Chromium, Total	193	5.00	200.0	0	96.4	75	125			
Copper, Total	191	10.0	200.0	3.729	93.8	75	125			
Lead, Total	191	1.00	200.0	0	95.7	75	125			
Manganese	201	2.00	200.0	14.53	93.4	75	125			
Molybdenum	191	5.00	200.0	2.095	94.6	75	125			
Nickel, Total	195	10.0	200.0	0	97.4	75	125			
Selenium, Total	183	5.00	200.0	0	91.7	75	125			
Silver, Total	194	2.00	200.0	0	97.0	75	125			
Thallium, Total	192	1.50	200.0	0	96.1	75	125			
Zinc, Total	211	5.00	200.0	26.14	92.4	75	125			

Sample ID: <b>2405085-07A MS</b>	Batch ID: <b>115398</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>							
SampType: <b>MS</b>	Run ID: <b>ICP-MS5_240515B</b>	Analysis Date: <b>5/15/2024 1:11:00 PM</b>	Prep Date: <b>5/15/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Aluminum, Total	5060	30.0	5000	47.37	100	70	130			
Antimony, Total	208	2.50	200.0	0	104	70	130			
Arsenic, Total	202	5.00	200.0	0.9830	100	70	130			
Barium, Total	224	10.0	200.0	22.98	101	70	130			
Beryllium, Total	192	1.00	200.0	0	95.9	70	130			
Cadmium, Total	198	1.00	200.0	0	99.0	70	130			
Chromium, Total	198	5.00	200.0	0	99.0	70	130			
Copper, Total	201	10.0	200.0	3.729	98.8	70	130			
Lead, Total	200	1.00	200.0	0	100	70	130			
Manganese	213	2.00	200.0	14.53	99.0	70	130			
Molybdenum	205	5.00	200.0	2.095	101	70	130			
Nickel, Total	200	10.0	200.0	0	99.9	70	130			
Selenium, Total	195	5.00	200.0	0	97.4	70	130			
Silver, Total	202	2.00	200.0	0	101	70	130			
Thallium, Total	198	1.50	200.0	0	98.9	70	130			
Zinc, Total	222	5.00	200.0	26.14	98.0	70	130			

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL  
DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** ICP-MS5\_240515B

Sample ID: <b>2405085-07A MSD</b>	Batch ID: <b>115398</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>							
SampType: <b>MSD</b>	Run ID: <b>ICP-MS5_240515B</b>	Analysis Date: <b>5/15/2024 1:14:00 PM</b>	Prep Date: <b>5/15/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum, Total	5110	30.0	5000	47.37	101	70	130	0.923	15	
Antimony, Total	208	2.50	200.0	0	104	70	130	0.289	15	
Arsenic, Total	201	5.00	200.0	0.9830	100	70	130	0.275	15	
Barium, Total	227	10.0	200.0	22.98	102	70	130	1.18	15	
Beryllium, Total	192	1.00	200.0	0	95.8	70	130	0.065	15	
Cadmium, Total	199	1.00	200.0	0	99.5	70	130	0.474	15	
Chromium, Total	202	5.00	200.0	0	101	70	130	1.88	15	
Copper, Total	204	10.0	200.0	3.729	99.9	70	130	1.07	15	
Lead, Total	203	1.00	200.0	0	102	70	130	1.48	15	
Manganese	217	2.00	200.0	14.53	101	70	130	2.23	15	
Molybdenum	208	5.00	200.0	2.095	103	70	130	1.66	15	
Nickel, Total	202	10.0	200.0	0	101	70	130	0.887	15	
Selenium, Total	197	5.00	200.0	0	98.5	70	130	1.17	15	
Silver, Total	204	2.00	200.0	0	102	70	130	0.991	15	
Thallium, Total	202	1.50	200.0	0	101	70	130	2.10	15	
Zinc, Total	223	5.00	200.0	26.14	98.3	70	130	0.313	15	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** ICP-MS5\_240515B

Sample ID: <b>ICV-240515</b>	Batch ID: <b>R133057</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>							
SampType: <b>ICV</b>	Run ID: <b>ICP-MS5_240515B</b>	Analysis Date: <b>5/15/2024 9:53:00 AM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Aluminum, Total	2470	30.0	2500	0	99.0	90	110			
Antimony, Total	101	2.50	100.0	0	101	90	110			
Arsenic, Total	97.4	5.00	100.0	0	97.4	90	110			
Barium, Total	101	10.0	100.0	0	101	90	110			
Beryllium, Total	96.4	1.00	100.0	0	96.4	90	110			
Cadmium, Total	100	1.00	100.0	0	100	90	110			
Chromium, Total	100	5.00	100.0	0	100	90	110			
Copper, Total	101	10.0	100.0	0	101	90	110			
Lead, Total	98.3	1.00	100.0	0	98.3	90	110			
Manganese	98.9	2.00	100.0	0	98.9	90	110			
Molybdenum	97.5	5.00	100.0	0	97.5	90	110			
Nickel, Total	105	10.0	100.0	0	105	90	110			
Selenium, Total	103	5.00	100.0	0	103	90	110			
Silver, Total	103	2.00	100.0	0	103	90	110			
Thallium, Total	96.6	1.50	100.0	0	96.6	90	110			
Zinc, Total	101	5.00	100.0	0	101	90	110			

Sample ID: <b>CCV2-240515</b>	Batch ID: <b>R133057</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>							
SampType: <b>CCV</b>	Run ID: <b>ICP-MS5_240515B</b>	Analysis Date: <b>5/15/2024 11:27:00 AM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Aluminum, Total	5010	30.0	5000	0	100	90	110			
Antimony, Total	202	2.50	200.0	0	101	90	110			
Arsenic, Total	196	5.00	200.0	0	97.8	90	110			
Barium, Total	197	10.0	200.0	0	98.5	90	110			
Beryllium, Total	188	1.00	200.0	0	94.0	90	110			
Cadmium, Total	198	1.00	200.0	0	98.8	90	110			
Chromium, Total	198	5.00	200.0	0	98.9	90	110			
Copper, Total	199	10.0	200.0	0	99.7	90	110			
Lead, Total	195	1.00	200.0	0	97.3	90	110			
Manganese	198	2.00	200.0	0	99.1	90	110			
Molybdenum	195	5.00	200.0	0	97.7	90	110			
Nickel, Total	201	10.0	200.0	0	101	90	110			
Selenium, Total	202	5.00	200.0	0	101	90	110			
Silver, Total	203	2.00	200.0	0	102	90	110			
Thallium, Total	192	1.50	200.0	0	96.2	90	110			
Zinc, Total	197	5.00	200.0	0	98.6	90	110			

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** ICP-MS5\_240515B

Sample ID: <b>CCV3-240515</b>	Batch ID: <b>R133057</b>	TestNo: <b>E200.8</b>	Units: <b>µg/L</b>							
SampType: <b>CCV</b>	Run ID: <b>ICP-MS5_240515B</b>	Analysis Date: <b>5/15/2024 1:17:00 PM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum, Total	5040	30.0	5000	0	101	90	110			
Antimony, Total	201	2.50	200.0	0	101	90	110			
Arsenic, Total	199	5.00	200.0	0	99.3	90	110			
Barium, Total	198	10.0	200.0	0	99.0	90	110			
Beryllium, Total	186	1.00	200.0	0	92.9	90	110			
Cadmium, Total	198	1.00	200.0	0	98.9	90	110			
Chromium, Total	197	5.00	200.0	0	98.5	90	110			
Copper, Total	200	10.0	200.0	0	100	90	110			
Lead, Total	196	1.00	200.0	0	98.1	90	110			
Manganese	199	2.00	200.0	0	99.7	90	110			
Molybdenum	199	5.00	200.0	0	99.6	90	110			
Nickel, Total	203	10.0	200.0	0	101	90	110			
Selenium, Total	205	5.00	200.0	0	103	90	110			
Silver, Total	204	2.00	200.0	0	102	90	110			
Thallium, Total	194	1.50	200.0	0	96.9	90	110			
Zinc, Total	201	5.00	200.0	0	101	90	110			

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL  
DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS10\_240513A

The QC data in batch 115352 applies to the following samples: 2405086-05E, 2405086-05F, 2405086-06E, 2405086-06F

Sample ID: <b>LCS-115352</b>	Batch ID: <b>115352</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>GCMS10_240513A</b>	Analysis Date: <b>5/13/2024 10:40:00 AM</b>	Prep Date: <b>5/10/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4-DDD	0.409	0.0200	0.4000	0	102	0.1	135			
4,4-DDE	0.339	0.0200	0.4000	0	84.7	19	120			
4,4-DDT	0.384	0.0200	0.4000	0	95.9	0.1	171			
Aldrin	0.257	0.0100	0.4000	0	64.1	7	152			
alpha-BHC	0.348	0.0200	0.4000	0	86.9	42	108			
alpha-Endosulfan	0.392	0.0100	0.4000	0	97.9	47	128			
beta-BHC	0.367	0.0200	0.4000	0	91.6	42	131			
beta-Endosulfan	0.392	0.0200	0.4000	0	98.0	52	125			
Carbaryl	0.441	0.0300	0.4000	0	110	38	168			N
Chloropyrifos	0.460	0.0300	0.4000	0	115	42	131			N
delta-BHC	0.368	0.0200	0.4000	0	91.9	0.1	120			
Diazinon	0.471	0.0300	0.4000	0	118	52	120			N
Dieldrin	0.380	0.0200	0.4000	0	95.1	44	119			
Endosulfan sulfate	0.417	0.0200	0.4000	0	104	0.1	120			
Endrin	0.443	0.0200	0.4000	0	111	50	151			
Endrin aldehyde	0.336	0.0200	0.4000	0	84.0	0.1	189			
gamma-BHC	0.357	0.0200	0.4000	0	89.2	41	111			
Guthion	0.495	0.0300	0.4000	0	124	44	193			N
Heptachlor	0.288	0.0100	0.4000	0	72.1	0.1	172			
Heptachlor epoxide	0.413	0.0100	0.4000	0	103	71	120			
Malathion	0.530	0.0300	0.4000	0	133	56	161			N
Methoxychlor	0.431	0.0200	0.4000	0	108	38	156			N
Mirex	0.317	0.0200	0.4000	0	79.3	27	131			N
Parathion	0.459	0.0300	0.4000	0	115	13	184			N
Demeton	0.403	0.0300	0.4000	0	101	28	154			N
Surr: 2-Fluorobiphenyl	2.84		4.000		71.0	43	116			
Surr: 4-Terphenyl-d14	3.79		4.000		94.7	33	141			

Sample ID: <b>LCSD-115352</b>	Batch ID: <b>115352</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>							
SampType: <b>LCSD</b>	Run ID: <b>GCMS10_240513A</b>	Analysis Date: <b>5/13/2024 11:12:00 AM</b>	Prep Date: <b>5/10/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4-DDD	0.406	0.0200	0.4000	0	102	0.1	135	0.706	50	
4,4-DDE	0.320	0.0200	0.4000	0	80.0	19	120	5.73	50	
4,4-DDT	0.406	0.0200	0.4000	0	102	0.1	171	5.70	50	
Aldrin	0.203	0.0100	0.4000	0	50.9	7	152	23.1	50	
alpha-BHC	0.330	0.0200	0.4000	0	82.5	42	108	5.24	50	
alpha-Endosulfan	0.363	0.0100	0.4000	0	90.8	47	128	7.59	50	
beta-BHC	0.355	0.0200	0.4000	0	88.8	42	131	3.10	50	
beta-Endosulfan	0.384	0.0200	0.4000	0	96.0	52	125	2.07	50	

**Qualifiers:** B Analyte detected in the associated Method Blank DF Dilution Factor  
J Analyte detected between MDL and RL MDL Method Detection Limit  
ND Not Detected at the Method Detection Limit R RPD outside accepted control limits  
RL Reporting Limit S Spike Recovery outside control limits  
J Analyte detected between SDL and RL N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS10\_240513A

Sample ID: <b>LCSD-115352</b>	Batch ID: <b>115352</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>							
SampType: <b>LCSD</b>	Run ID: <b>GCMS10_240513A</b>	Analysis Date: <b>5/13/2024 11:12:00 AM</b>	Prep Date: <b>5/10/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Carbaryl	0.445	0.0300	0.4000	0	111	38	168	1.02	50	N
Chloropyrifos	0.481	0.0300	0.4000	0	120	42	131	4.49	50	N
delta-BHC	0.354	0.0200	0.4000	0	88.6	0.1	120	3.67	50	
Diazinon	0.449	0.0300	0.4000	0	112	52	120	4.92	50	N
Dieldrin	0.372	0.0200	0.4000	0	93.0	44	119	2.21	50	
Endosulfan sulfate	0.428	0.0200	0.4000	0	107	0.1	120	2.69	50	
Endrin	0.431	0.0200	0.4000	0	108	50	151	2.78	50	
Endrin aldehyde	0.317	0.0200	0.4000	0	79.2	0.1	189	5.86	50	
gamma-BHC	0.344	0.0200	0.4000	0	85.9	41	111	3.78	50	
Guthion	0.509	0.0300	0.4000	0	127	44	193	2.78	50	N
Heptachlor	0.238	0.0100	0.4000	0	59.4	0.1	172	19.3	50	
Heptachlor epoxide	0.407	0.0100	0.4000	0	102	71	120	1.57	50	
Malathion	0.554	0.0300	0.4000	0	138	56	161	4.30	50	N
Methoxychlor	0.434	0.0200	0.4000	0	109	38	156	0.768	50	N
Mirex	0.317	0.0200	0.4000	0	79.3	27	131	0.012	50	N
Parathion	0.436	0.0300	0.4000	0	109	13	184	5.10	50	N
Demeton	0.417	0.0300	0.4000	0	104	28	154	3.46	50	N
Surr: 2-Fluorobiphenyl	2.66		4.000		66.4	43	116	0	0	
Surr: 4-Terphenyl-d14	3.67		4.000		91.8	33	141	0	0	

Sample ID: <b>MB-115352</b>	Batch ID: <b>115352</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>GCMS10_240513A</b>	Analysis Date: <b>5/13/2024 1:04:00 PM</b>	Prep Date: <b>5/10/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4-DDD	<0.0200	0.0200								
4,4-DDE	<0.0200	0.0200								
4,4-DDT	<0.0200	0.0200								
Aldrin	<0.0100	0.0100								
alpha-BHC	<0.0100	0.0200								
alpha-Endosulfan	<0.0100	0.0100								
beta-BHC	<0.0100	0.0200								
beta-Endosulfan	<0.0100	0.0200								
Carbaryl	<0.0100	0.0300								N
Chlordane	<0.0600	0.200								N
Chloropyrifos	<0.0100	0.0300								N
delta-BHC	<0.0100	0.0200								
Diazinon	<0.0100	0.0300								N
Dieldrin	<0.0100	0.0200								
Endosulfan sulfate	<0.0100	0.0200								
Endrin	<0.0100	0.0200								
Endrin aldehyde	<0.0100	0.0200								

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

CLIENT: CITY OF ROUND ROCK  
Work Order: 2405086  
Project: IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS10\_240513A

Sample ID: MB-115352	Batch ID: 115352	TestNo: E625.1	Units: µg/L							
SampType: MBLK	Run ID: GCMS10_240513A	Analysis Date: 5/13/2024 1:04:00 PM	Prep Date: 5/10/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
gamma-BHC	<0.0100	0.0200								
Guthion	<0.0100	0.0300								N
Heptachlor	<0.0100	0.0100								
Heptachlor epoxide	<0.0100	0.0100								
Malathion	<0.0100	0.0300								N
Methoxychlor	<0.0200	0.0200								N
Mirex	<0.0100	0.0200								N
Parathion	<0.0100	0.0300								N
Toxaphene	<0.300	0.300								
Demeton	<0.0100	0.0300								N
Surr: 2-Fluorobiphenyl	2.86		4.000		71.5	43	116			
Surr: 4-Terphenyl-d14	4.00		4.000		100	33	141			

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS10\_240513A

Sample ID: <b>ICV-240513</b>	Batch ID: <b>R133015</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>							
SampType: <b>ICV</b>	Run ID: <b>GCMS10_240513A</b>	Analysis Date: <b>5/13/2024 10:13:00 AM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

4,4-DDD	219	0.0200	200.0	0	109	0.1	135			
4,4-DDE	201	0.0200	200.0	0	100	19	130			
4,4-DDT	223	0.0200	200.0	0	112	60	171			
Aldrin	193	0.0100	200.0	0	96.7	7	152			
alpha-BHC	194	0.0200	200.0	0	96.9	60	140			
alpha-Endosulfan	194	0.0100	200.0	0	97.1	60	140			
beta-BHC	195	0.0200	200.0	0	97.4	42	131			
beta-Endosulfan	199	0.0200	200.0	0	99.6	60	140			
Carbaryl	202	0.0300	200.0	0	101	60	140			N
Chlorpyrifos	240	0.0300	200.0	0	120	60	140			N
delta-BHC	185	0.0200	200.0	0	92.6	0.1	130			
Diazinon	231	0.0300	200.0	0	115	60	140			N
Dieldrin	196	0.0200	200.0	0	98.2	70	130			
Endosulfan sulfate	209	0.0200	200.0	0	105	0.1	130			
Endrin	220	0.0200	200.0	0	110	60	140			
Endrin aldehyde	182	0.0200	200.0	0	90.9	0.1	189			
gamma-BHC	190	0.0200	200.0	0	95.0	60	140			
Guthion	207	0.0300	200.0	0	104	60	140			N
Heptachlor	203	0.0100	200.0	0	101	0.1	172			
Heptachlor epoxide	212	0.0100	200.0	0	106	70	130			
Malathion	220	0.0300	200.0	0	110	60	140			N
Methoxychlor	217	0.0200	200.0	0	108	60	140			N
Mirex	186	0.0200	200.0	0	93.2	60	140			N
Parathion	219	0.0300	200.0	0	109	60	140			N
Demeton	212	0.0300	200.0	0	106	60	140			N
Surr: 2-Fluorobiphenyl	758		800.0		94.8	60	140			
Surr: 4-Terphenyl-d14	808		800.0		101	60	140			

Sample ID: <b>ICV-240513 CT</b>	Batch ID: <b>R133015</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>							
SampType: <b>ICV</b>	Run ID: <b>GCMS10_240513A</b>	Analysis Date: <b>5/13/2024 11:40:00 AM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chlordane	2610	0.200	2500	0	104	60	140			N
Toxaphene	2510	0.300	2500	0	100	60	140			

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS10\_240513B

The QC data in batch 115352 applies to the following samples: 2405086-05E, 2405086-05F, 2405086-06E, 2405086-06F

Sample ID: <b>LCS-115352-DICO</b>	Batch ID: <b>115352</b>	TestNo: <b>D5812-96mod</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>GCMS10_240513B</b>	Analysis Date: <b>5/13/2024 12:36:00 PM</b>	Prep Date: <b>5/10/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Dicofol	1.16	0.400	1.000	0	116	22	180			N
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Sample ID: <b>MB-115352</b>	Batch ID: <b>115352</b>	TestNo: <b>D5812-96mod</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>GCMS10_240513B</b>	Analysis Date: <b>5/13/2024 1:04:00 PM</b>	Prep Date: <b>5/10/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Dicofol	<0.200	0.400								N
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**Qualifiers:**

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS10\_240513B

Sample ID: <b>ICV-240513 DICO</b>	Batch ID: <b>R133044</b>	TestNo: <b>D5812-96mod</b>	Units: <b>µg/L</b>							
SampType: <b>ICV</b>	Run ID: <b>GCMS10_240513B</b>	Analysis Date: <b>5/13/2024 12:08:00 PM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dicofol	222	0.400	250.0	0	88.7	80	120			N

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS4\_240514C

The QC data in batch 115369 applies to the following samples: 2405086-05D, 2405086-06D

Sample ID: <b>LCS-115369</b>	Batch ID: <b>115369</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>
SampType: <b>LCS</b>	Run ID: <b>GCMS4_240514C</b>	Analysis Date: <b>5/14/2024 10:38:00 AM</b>	Prep Date: <b>5/13/2024</b>

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	45.0	50.0	40.00	0	112	5	125			
Benzo(a)anthracene	40.1	5.00	40.00	0	100	33	143			
Benzo(a)pyrene	45.8	5.00	40.00	0	115	17	163			
Chrysene	38.5	5.00	40.00	0	96.3	17	168			
2,4-Dimethylphenol	39.9	10.0	40.00	0	99.8	32	120			
4,6-Dinitro-o-cresol	43.3	10.0	40.00	0	108	10	181			
m,p-Cresols	29.8	10.0	40.00	0	74.6	10	125			
o-Cresols	31.1	10.0	40.00	0	77.6	25	125			
p-Chloro-m-Cresol	38.6	10.0	40.00	0	96.6	22	147			
Hexachlorobenzene	32.3	5.00	40.00	0	80.7	10	152			
Hexachlorobutadiene	30.7	10.0	40.00	0	76.8	24	120			
Hexachloroethane	31.2	20.0	40.00	0	77.9	40	120			
Nitrobenzene	38.5	10.0	40.00	0	96.3	35	180			
N-Nitrosodiethylamine	31.3	20.0	40.00	0	78.2	20	125			
N-Nitro-di-n-Butylamine	33.5	20.0	40.00	0	83.7	20	125			
Pentachlorobenzene	32.0	20.0	40.00	0	80.1	40	140			
Pentachlorophenol	37.4	5.00	40.00	0	93.5	14	176			
Phenanthrene	36.3	10.0	40.00	0	90.8	54	120			
Pyridine	18.4	20.0	40.00	0	46.1	10	75			
1,2,4,5-Tetrachlorobenzene	30.8	20.0	40.00	0	77.0	30	140			
2,4,5-Trichlorophenol	47.1	10.0	40.00	0	118	25	125			
2-Chlorophenol	35.2	10.0	40.00	0	88.0	23	134			
2,4-Dichlorophenol	39.8	10.0	40.00	0	99.5	39	135			
2,4-Dinitrophenol	43.3	50.0	40.00	0	108	10	191			
2-Nitrophenol	38.6	10.0	40.00	0	96.6	29	182			
4-Nitrophenol	40.5	50.0	40.00	0	101	10	132			
Phenol	21.0	10.0	40.00	0	52.6	5	120			
2,4,6-Trichlorophenol	46.0	10.0	40.00	0	115	37	144			
3,4-Benzofluoranthene	41.1	10.0	40.00	0	103	24	159			
Acenaphthene	35.1	10.0	40.00	0	87.7	47	145			
Acenaphthylene	36.7	10.0	40.00	0	91.8	33	145			
Anthracene	34.9	10.0	40.00	0	87.2	27	133			
Benzo(ghi)perylene	42.2	20.0	40.00	0	106	10	219			
Benzo(k)Fluoranthene	37.5	5.00	40.00	0	93.9	11	162			
Bis(2-chloroethoxy)methane	35.3	10.0	40.00	0	88.2	33	184			
Bis(2-chloroethyl)ether	35.6	10.0	40.00	0	89.0	12	158			
Bis(2-chloroisopropyl)ether	37.9	10.0	40.00	0	94.8	36	166			
Bis(2-ethylhexyl)phthalate	46.5	10.0	40.00	0	116	10	158			
4-Bromophenyl phenyl ether	34.2	10.0	40.00	0	85.5	53	127			
Butylbenzyl Phthalate	44.5	10.0	40.00	0	111	10	152			

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS4\_240514C

Sample ID: <b>LCS-115369</b>	Batch ID: <b>115369</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>GCMS4_240514C</b>	Analysis Date: <b>5/14/2024 10:38:00 AM</b>	Prep Date: <b>5/13/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

2-Chloronaphthalene	36.5	10.0	40.00	0	91.2	60	120			
4-Chlorophenyl phenyl ether	36.8	10.0	40.00	0	92.0	25	158			
Dibenzo(a,h)Anthracene	44.1	5.00	40.00	0	110	10	125			
3,3-Dichlorobenzidine	42.9	5.00	40.00	0	107	10	262			
Diethyl phthalate	40.4	10.0	40.00	0	101	10	120			
Dimethyl phthalate	38.0	10.0	40.00	0	95.0	10	120			
Di-n-butyl phthalate	38.1	10.0	40.00	0	95.4	10	120			
2,4-Dinitrotoluene	42.4	10.0	40.00	0	106	39	139			
2,6-Dinitrotoluene	44.1	10.0	40.00	0	110	50	158			
Di-n-octyl phthalate	45.7	10.0	40.00	0	114	10	146			
1,2-Diphenyl Hydrazine	35.2	20.0	40.00	0	88.0	40	140			
Fluoranthene	33.2	10.0	40.00	0	83.0	26	137			
Fluorene	37.5	10.0	40.00	0	93.8	59	121			
Hexachloro-cyclopentadiene	45.0	10.0	40.00	0	113	8	130			
Indeno(1,2,3-cd)pyrene	43.7	5.00	40.00	0	109	10	171			
Isophorone	37.3	10.0	40.00	0	93.2	21	196			
Naphthalene	33.1	10.0	40.00	0	82.7	21	133			
N-Nitrosodimethylamine	16.3	20.0	40.00	0	40.7	10	125			
N-Nitrosodi-n-propylamine	33.2	20.0	40.00	0	83.0	10	230			
N-Nitrosodiphenylamine	36.8	20.0	40.00	0	92.1	20	125			
Pyrene	43.7	10.0	40.00	0	109	52	120			
1,2,4-Trichlorobenzene	32.3	10.0	40.00	0	80.8	44	142			
Phenol, Total	21.0	10.0	40.00	0	52.6	5	120			
Cresols	60.9	10.0	80.00	0	76.1	10	125			
Surr: 2,4,6-Tribromophenol	76.6		80.00		95.8	10	123			
Surr: 2-Fluorobiphenyl	76.2		80.00		95.2	43	116			
Surr: 2-Fluorophenol	53.6		80.00		67.0	21	100			
Surr: 4-Terphenyl-d14	92.8		80.00		116	33	141			
Surr: Nitrobenzene-d5	80.0		80.00		100	35	115			
Surr: Phenol-d5	36.6		80.00		45.8	10	94			

Sample ID: <b>2405093-01CMS</b>	Batch ID: <b>115369</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>							
SampType: <b>MS</b>	Run ID: <b>GCMS4_240514C</b>	Analysis Date: <b>5/14/2024 11:03:00 AM</b>	Prep Date: <b>5/13/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzidine	296	487	389.9	0	76.1	5	125			
Benzo(a)anthracene	363	48.7	389.9	0	93.0	33	143			
Benzo(a)pyrene	415	48.7	389.9	0	107	17	163			
Chrysene	351	48.7	389.9	0	90.0	17	168			
2,4-Dimethylphenol	453	97.5	389.9	56.23	102	32	120			
4,6-Dinitro-o-cresol	323	97.5	389.9	0	82.8	10	181			

**Qualifiers:** B Analyte detected in the associated Method Blank DF Dilution Factor  
J Analyte detected between MDL and RL MDL Method Detection Limit  
ND Not Detected at the Method Detection Limit R RPD outside accepted control limits  
RL Reporting Limit S Spike Recovery outside control limits  
J Analyte detected between SDL and RL N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS4\_240514C

Sample ID: <b>2405093-01CMS</b>	Batch ID: <b>115369</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>							
SampType: <b>MS</b>	Run ID: <b>GCMS4_240514C</b>	Analysis Date: <b>5/14/2024 11:03:00 AM</b>	Prep Date: <b>5/13/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
m,p-Cresols	326	97.5	389.9	0	83.7	10	125			
o-Cresols	335	97.5	389.9	0	86.0	25	125			
p-Chloro-m-Cresol	2530	97.5	389.9	0	650	22	147			S
Hexachlorobenzene	289	48.7	389.9	0	74.1	10	152			
Hexachlorobutadiene	284	97.5	389.9	0	72.9	24	120			
Hexachloroethane	277	195	389.9	0	71.0	40	120			
Nitrobenzene	353	97.5	389.9	0	90.6	35	180			
N-Nitrosodiethylamine	302	195	389.9	0	77.6	20	125			
N-Nitro-di-n-Butylamine	306	195	389.9	0	78.6	20	125			
Pentachlorobenzene	283	195	389.9	0	72.7	40	140			
Pentachlorophenol	333	48.7	389.9	0	85.4	14	176			
Phenanthrene	327	97.5	389.9	0	84.0	54	120			
Pyridine	262	195	389.9	0	67.2	10	75			
1,2,4,5-Tetrachlorobenzene	280	195	389.9	0	71.8	30	140			
2,4,5-Trichlorophenol	426	97.5	389.9	0	109	25	125			
2-Chlorophenol	348	97.5	389.9	0	89.2	23	134			
2,4-Dichlorophenol	374	97.5	389.9	0	96.0	39	135			
2,4-Dinitrophenol	354	487	389.9	0	90.8	10	191			
2-Nitrophenol	362	97.5	389.9	0	92.8	29	182			
4-Nitrophenol	438	487	389.9	0	112	10	132			
Phenol	371	97.5	389.9	23.54	89.1	5	120			
2,4,6-Trichlorophenol	403	97.5	389.9	0	103	37	144			
3,4-Benzofluoranthene	388	97.5	389.9	0	99.6	24	159			
Acenaphthene	322	97.5	389.9	0	82.6	47	145			
Acenaphthylene	329	97.5	389.9	0	84.5	33	145			
Anthracene	314	97.5	389.9	0	80.5	27	133			
Benzo(ghi)perylene	388	195	389.9	0	99.6	10	219			
Benzo(k)Fluoranthene	322	48.7	389.9	0	82.6	11	162			
Bis(2-chloroethoxy)methane	319	97.5	389.9	0	81.8	33	184			
Bis(2-chloroethyl)ether	321	97.5	389.9	0	82.5	12	158			
Bis(2-chloroisopropyl)ether	339	97.5	389.9	0	87.0	36	166			
Bis(2-ethylhexyl)phthalate	420	97.5	389.9	0	108	10	158			
4-Bromophenyl phenyl ether	297	97.5	389.9	0	76.3	53	127			
Butylbenzyl Phthalate	406	97.5	389.9	0	104	10	152			
2-Chloronaphthalene	326	97.5	389.9	0	83.6	60	120			
4-Chlorophenyl phenyl ether	337	97.5	389.9	0	86.4	25	158			
Dibenzo(a,h)Anthracene	404	48.7	389.9	0	104	10	125			
3,3-Dichlorobenzidine	343	48.7	389.9	0	88.1	10	262			
Diethyl phthalate	372	97.5	389.9	0	95.5	10	120			
Dimethyl phthalate	350	97.5	389.9	0	89.7	10	120			
Di-n-butyl phthalate	352	97.5	389.9	0	90.3	10	120			

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: CITY OF ROUND ROCK  
Work Order: 2405086  
Project: IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4\_240514C

Sample ID: <b>2405093-01CMS</b>	Batch ID: <b>115369</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>
SampType: <b>MS</b>	Run ID: <b>GCMS4_240514C</b>	Analysis Date: <b>5/14/2024 11:03:00 AM</b>	Prep Date: <b>5/13/2024</b>

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	395	97.5	389.9	0	101	39	139			
2,6-Dinitrotoluene	406	97.5	389.9	0	104	50	158			
Di-n-octyl phthalate	430	97.5	389.9	0	110	10	146			
1,2-Diphenyl Hydrazine	310	195	389.9	0	79.4	40	140			
Fluoranthene	304	97.5	389.9	0	78.0	26	137			
Fluorene	345	97.5	389.9	0	88.6	59	121			
Hexachloro-cyclopentadiene	402	97.5	389.9	0	103	8	130			
Indeno(1,2,3-cd)pyrene	399	48.7	389.9	0	102	10	171			
Isophorone	346	97.5	389.9	0	88.8	21	196			
Naphthalene	299	97.5	389.9	0	76.8	21	133			
N-Nitrosodimethylamine	287	195	389.9	0	73.7	10	125			
N-Nitrosodi-n-propylamine	299	195	389.9	0	76.6	10	230			
N-Nitrosodiphenylamine	331	195	389.9	0	85.0	20	125			
Pyrene	399	97.5	389.9	0	102	52	120			
1,2,4-Trichlorobenzene	296	97.5	389.9	0	75.9	44	142			
Phenol, Total	371	97.5	389.9	23.54	89.1	5	120			
Cresols	662	97.5	779.7	0	84.9	10	125			
Surr: 2,4,6-Tribromophenol	616		779.7		79.0	10	123			
Surr: 2-Fluorobiphenyl	616		779.7		79.0	43	116			
Surr: 2-Fluorophenol	657		779.7		84.3	21	100			
Surr: 4-Terphenyl-d14	758		779.7		97.3	33	141			
Surr: Nitrobenzene-d5	680		779.7		87.3	35	115			
Surr: Phenol-d5	600		779.7		77.0	10	94			

Sample ID: <b>2405093-01CMSD</b>	Batch ID: <b>115369</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>
SampType: <b>MSD</b>	Run ID: <b>GCMS4_240514C</b>	Analysis Date: <b>5/14/2024 11:28:00 AM</b>	Prep Date: <b>5/13/2024</b>

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	253	407	325.7	0	77.7	5	125	15.8	50	
Benzo(a)anthracene	309	40.7	325.7	0	94.9	33	143	15.9	50	
Benzo(a)pyrene	358	40.7	325.7	0	110	17	163	14.9	50	
Chrysene	300	40.7	325.7	0	92.1	17	168	15.6	50	
2,4-Dimethylphenol	402	81.4	325.7	56.23	106	32	120	11.9	50	
4,6-Dinitro-o-cresol	288	81.4	325.7	0	88.4	10	181	11.5	50	
m,p-Cresols	279	81.4	325.7	0	85.8	10	125	15.5	50	
o-Cresols	284	81.4	325.7	0	87.2	25	125	16.5	50	
p-Chloro-m-Cresol	2540	81.4	325.7	0	779	22	147	0.190	50	S
Hexachlorobenzene	247	40.7	325.7	0	76.0	10	152	15.5	50	
Hexachlorobutadiene	224	81.4	325.7	0	68.8	24	120	23.6	50	
Hexachloroethane	217	163	325.7	0	66.6	40	120	24.2	50	
Nitrobenzene	301	81.4	325.7	0	92.5	35	180	15.9	50	

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL  
DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS4\_240514C

Sample ID: <b>2405093-01CMSD</b>	Batch ID: <b>115369</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>
SampType: <b>MSD</b>	Run ID: <b>GCMS4_240514C</b>	Analysis Date: <b>5/14/2024 11:28:00 AM</b>	Prep Date: <b>5/13/2024</b>

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Nitrosodiethylamine	250	163	325.7	0	76.9	20	125	18.8	50	
N-Nitro-di-n-Butylamine	265	163	325.7	0	81.5	20	125	14.3	50	
Pentachlorobenzene	249	163	325.7	0	76.5	40	140	12.8	50	
Pentachlorophenol	284	40.7	325.7	0	87.2	14	176	15.9	50	
Phenanthrene	282	81.4	325.7	0	86.6	54	120	15.0	39	
Pyridine	228	163	325.7	0	70.0	10	75	13.8	50	
1,2,4,5-Tetrachlorobenzene	240	163	325.7	0	73.6	30	140	15.3	50	
2,4,5-Trichlorophenol	358	81.4	325.7	0	110	25	125	17.3	50	
2-Chlorophenol	293	81.4	325.7	0	89.9	23	134	17.1	50	
2,4-Dichlorophenol	326	81.4	325.7	0	100	39	135	13.8	50	
2,4-Dinitrophenol	306	407	325.7	0	94.0	10	191	14.5	50	
2-Nitrophenol	310	81.4	325.7	0	95.2	29	182	15.4	50	
4-Nitrophenol	343	407	325.7	0	105	10	132	24.4	50	
Phenol	315	81.4	325.7	23.54	89.4	5	120	16.4	50	
2,4,6-Trichlorophenol	342	81.4	325.7	0	105	37	144	16.4	50	
3,4-Benzofluoranthene	335	81.4	325.7	0	103	24	159	14.8	50	
Acenaphthene	268	81.4	325.7	0	82.4	47	145	18.3	48	
Acenaphthylene	277	81.4	325.7	0	85.2	33	145	17.2	50	
Anthracene	268	81.4	325.7	0	82.4	27	133	15.6	50	
Benzo(ghi)perylene	332	163	325.7	0	102	10	219	15.6	50	
Benzo(k)Fluoranthene	277	40.7	325.7	0	85.1	11	162	15.0	50	
Bis(2-chloroethoxy)methane	277	81.4	325.7	0	85.2	33	184	13.9	50	
Bis(2-chloroethyl)ether	275	81.4	325.7	0	84.4	12	158	15.6	50	
Bis(2-chloroisopropyl)ether	291	81.4	325.7	0	89.4	36	166	15.2	50	
Bis(2-ethylhexyl)phthalate	357	81.4	325.7	0	110	10	158	16.1	50	
4-Bromophenyl phenyl ether	262	81.4	325.7	0	80.6	53	127	12.5	43	
Butylbenzyl Phthalate	342	81.4	325.7	0	105	10	152	17.1	50	
2-Chloronaphthalene	274	81.4	325.7	0	84.0	60	120	17.4	24	
4-Chlorophenyl phenyl ether	283	81.4	325.7	0	86.9	25	158	17.5	50	
Dibenzo(a,h)Anthracene	343	40.7	325.7	0	105	10	125	16.4	50	
3,3-Dichlorobenzidine	282	40.7	325.7	0	86.5	10	262	19.7	50	
Diethyl phthalate	310	81.4	325.7	0	95.2	10	120	18.2	50	
Dimethyl phthalate	293	81.4	325.7	0	89.9	10	120	17.8	50	
Di-n-butyl phthalate	296	81.4	325.7	0	90.9	10	120	17.3	47	
2,4-Dinitrotoluene	329	81.4	325.7	0	101	39	139	18.2	42	
2,6-Dinitrotoluene	338	81.4	325.7	0	104	50	158	18.3	48	
Di-n-octyl phthalate	362	81.4	325.7	0	111	10	146	17.3	50	
1,2-Diphenyl Hydrazine	269	163	325.7	0	82.6	40	140	14.1	50	
Fluoranthene	257	81.4	325.7	0	78.8	26	137	16.8	50	
Fluorene	282	81.4	325.7	0	86.6	59	121	20.2	38	
Hexachloro-cyclopentadiene	325	81.4	325.7	0	99.9	8	130	21.0	50	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS4\_240514C

Sample ID: <b>2405093-01CMSD</b>	Batch ID: <b>115369</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>
SampType: <b>MSD</b>	Run ID: <b>GCMS4_240514C</b>	Analysis Date: <b>5/14/2024 11:28:00 AM</b>	Prep Date: <b>5/13/2024</b>

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	340	40.7	325.7	0	104	10	171	15.9	50	
Isophorone	293	81.4	325.7	0	90.1	21	196	16.4	50	
Naphthalene	253	81.4	325.7	0	77.7	21	133	16.7	50	
N-Nitrosodimethylamine	240	163	325.7	0	73.8	10	125	17.8	50	
N-Nitrosodi-n-propylamine	252	163	325.7	0	77.5	10	230	16.8	50	
N-Nitrosodiphenylamine	290	163	325.7	0	89.0	20	125	13.4	50	
Pyrene	332	81.4	325.7	0	102	52	120	18.5	49	
1,2,4-Trichlorobenzene	241	81.4	325.7	0	74.0	44	142	20.4	50	
Phenol, Total	315	81.4	325.7	23.54	89.4	5	120	16.4	50	
Cresols	564	81.4	651.5	0	86.5	10	125	16.0	50	
Surr: 2,4,6-Tribromophenol	537		651.5		82.5	10	123	0	0	
Surr: 2-Fluorobiphenyl	521		651.5		80.0	43	116	0	0	
Surr: 2-Fluorophenol	573		651.5		88.0	21	100	0	0	
Surr: 4-Terphenyl-d14	645		651.5		99.0	33	141	0	0	
Surr: Nitrobenzene-d5	586		651.5		90.0	35	115	0	0	
Surr: Phenol-d5	513		651.5		78.8	10	94	0	0	

Sample ID: <b>MB-115369</b>	Batch ID: <b>115369</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>
SampType: <b>MBLK</b>	Run ID: <b>GCMS4_240514C</b>	Analysis Date: <b>5/14/2024 12:19:00 PM</b>	Prep Date: <b>5/13/2024</b>

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	<5.00	50.0								
Benzo(a)anthracene	<2.00	5.00								
Benzo(a)pyrene	<2.00	5.00								
Chrysene	<2.00	5.00								
2,4-Dimethylphenol	<2.00	10.0								
4,6-Dinitro-o-cresol	<2.00	10.0								
m,p-Cresols	<2.00	10.0								
o-Cresols	<2.00	10.0								
p-Chloro-m-Cresol	<2.00	10.0								
Hexachlorobenzene	<2.00	5.00								
Hexachlorobutadiene	<2.00	10.0								
Hexachloroethane	<2.00	20.0								
Nitrobenzene	<2.00	10.0								
N-Nitrosodiethylamine	<2.00	20.0								
N-Nitro-di-n-Butylamine	<2.00	20.0								
Pentachlorobenzene	<2.00	20.0								
Pentachlorophenol	<2.00	5.00								
Phenanthrene	<2.00	10.0								
Pyridine	<4.00	20.0								
1,2,4,5-Tetrachlorobenzene	<2.00	20.0								

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS4\_240514C

Sample ID: <b>MB-115369</b>	Batch ID: <b>115369</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>
SampType: <b>MBLK</b>	Run ID: <b>GCMS4_240514C</b>	Analysis Date: <b>5/14/2024 12:19:00 PM</b>	Prep Date: <b>5/13/2024</b>

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2,4,5-Trichlorophenol	<2.00	10.0								
2-Chlorophenol	<2.00	10.0								
2,4-Dichlorophenol	<2.00	10.0								
2,4-Dinitrophenol	<2.00	50.0								
2-Nitrophenol	<2.00	10.0								
4-Nitrophenol	<2.00	50.0								
Phenol	<2.00	10.0								
2,4,6-Trichlorophenol	<2.00	10.0								
3,4-Benzofluoranthene	<2.00	10.0								
Acenaphthene	<2.00	10.0								
Acenaphthylene	<2.00	10.0								
Anthracene	<2.00	10.0								
Benzo(ghi)perylene	<2.00	20.0								
Benzo(k)Fluoranthene	<2.00	5.00								
Bis(2-chloroethoxy)methane	<2.00	10.0								
Bis(2-chloroethyl)ether	<2.00	10.0								
Bis(2-chloroisopropyl)ether	<2.00	10.0								
Bis(2-ethylhexyl)phthalate	<2.00	10.0								
4-Bromophenyl phenyl ether	<2.00	10.0								
Butylbenzyl Phthalate	<4.00	10.0								
2-Chloronaphthalene	<2.00	10.0								
4-Chlorophenyl phenyl ether	<2.00	10.0								
Dibenzo(a,h)Anthracene	<2.00	5.00								
3,3-Dichlorobenzidine	<2.00	5.00								
Diethyl phthalate	<4.00	10.0								
Dimethyl phthalate	<4.00	10.0								
Di-n-butyl phthalate	<4.00	10.0								
2,4-Dinitrotoluene	<2.00	10.0								
2,6-Dinitrotoluene	<2.00	10.0								
Di-n-octyl phthalate	<4.00	10.0								
1,2-Diphenyl Hydrazine	<2.00	20.0								
Fluoranthene	<2.00	10.0								
Fluorene	<2.00	10.0								
Hexachloro-cyclopentadiene	<2.00	10.0								
Indeno(1,2,3-cd)pyrene	<2.00	5.00								
Isophorone	<2.00	10.0								
Naphthalene	<2.00	10.0								
N-Nitrosodimethylamine	<2.00	20.0								
N-Nitrosodi-n-propylamine	<2.00	20.0								
N-Nitrosodiphenylamine	<2.00	20.0								
Pyrene	<2.00	10.0								

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS4\_240514C

Sample ID: <b>MB-115369</b>	Batch ID: <b>115369</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>GCMS4_240514C</b>	Analysis Date: <b>5/14/2024 12:19:00 PM</b>	Prep Date: <b>5/13/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	<2.00	10.0								
Phenol, Total	<2.00	10.0								
Cresols	<2.00	10.0								
Surr: 2,4,6-Tribromophenol	72.4		80.00		90.5	10	123			
Surr: 2-Fluorobiphenyl	74.0		80.00		92.5	43	116			
Surr: 2-Fluorophenol	44.2		80.00		55.2	21	100			
Surr: 4-Terphenyl-d14	83.6		80.00		104	33	141			
Surr: Nitrobenzene-d5	77.4		80.00		96.8	35	115			
Surr: Phenol-d5	27.2		80.00		34.0	10	94			

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS4\_240514C

Sample ID: <b>ICV-240514</b>	Batch ID: <b>R133035</b>	TestNo: <b>E625.1</b>		Units: <b>µg/L</b>						
SampType: <b>ICV</b>	Run ID: <b>GCMS4_240514C</b>	Analysis Date: <b>5/14/2024 10:14:00 AM</b>		Prep Date:						
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	2800	50.0	2500	0	112	60	130			
Benzo(a)anthracene	2380	5.00	2500	0	95.3	70	130			
Benzo(a)pyrene	2520	5.00	2500	0	101	70	130			
Chrysene	2280	5.00	2500	0	91.2	70	130			
2,4-Dimethylphenol	2100	10.0	2500	0	83.8	70	130			
4,6-Dinitro-o-cresol	2340	10.0	2500	0	93.8	70	130			
m,p-Cresols	2090	10.0	2500	0	83.7	70	130			
o-Cresols	2070	10.0	2500	0	82.9	70	130			
p-Chloro-m-Cresol	2130	10.0	2500	0	85.1	70	130			
Hexachlorobenzene	1980	5.00	2500	0	79.2	70	130			
Hexachlorobutadiene	2410	10.0	2500	0	96.4	70	130			
Hexachloroethane	2270	20.0	2500	0	90.8	70	130			
Nitrobenzene	2460	10.0	2500	0	98.4	70	130			
N-Nitrosodiethylamine	2210	20.0	2500	0	88.3	70	130			
N-Nitro-di-n-Butylamine	2040	20.0	2500	0	81.8	70	130			
Pentachlorobenzene	2120	20.0	2500	0	85.0	70	130			
Pentachlorophenol	2000	5.00	2500	0	79.8	70	130			
Phenanthrene	2130	10.0	2500	0	85.2	70	130			
Pyridine	2270	20.0	2500	0	90.9	70	130			
1,2,4,5-Tetrachlorobenzene	2080	20.0	2500	0	83.1	70	130			
2,4,5-Trichlorophenol	2490	10.0	2500	0	99.6	70	130			
2-Chlorophenol	2240	10.0	2500	0	89.6	70	130			
2,4-Dichlorophenol	2270	10.0	2500	0	90.7	70	130			
2,4-Dinitrophenol	2580	50.0	2500	0	103	70	130			
2-Nitrophenol	2380	10.0	2500	0	95.4	70	130			
4-Nitrophenol	2760	50.0	2500	0	110	70	130			
Phenol	2320	10.0	2500	0	93.0	70	130			
2,4,6-Trichlorophenol	2520	10.0	2500	0	101	70	130			
3,4-Benzofluoranthene	2550	10.0	2500	0	102	70	130			
Acenaphthene	2190	10.0	2500	0	87.4	70	130			
Acenaphthylene	2350	10.0	2500	0	94.0	70	130			
Anthracene	2000	10.0	2500	0	80.1	70	130			
Benzo(ghi)perylene	2440	20.0	2500	0	97.7	70	130			
Benzo(k)Fluoranthene	2130	5.00	2500	0	85.1	70	130			
Bis(2-chloroethoxy)methane	2200	10.0	2500	0	88.2	70	130			
Bis(2-chloroethyl)ether	2280	10.0	2500	0	91.4	70	130			
Bis(2-chloroisopropyl)ether	2480	10.0	2500	0	99.0	70	130			
Bis(2-ethylhexyl)phthalate	2640	10.0	2500	0	106	70	130			
4-Bromophenyl phenyl ether	2030	10.0	2500	0	81.1	70	130			
Butylbenzyl Phthalate	2600	10.0	2500	0	104	70	130			
2-Chloronaphthalene	2300	10.0	2500	0	92.0	70	130			

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS4\_240514C

Sample ID: <b>ICV-240514</b>	Batch ID: <b>R133035</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>
SampType: <b>ICV</b>	Run ID: <b>GCMS4_240514C</b>	Analysis Date: <b>5/14/2024 10:14:00 AM</b>	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorophenyl phenyl ether	2210	10.0	2500	0	88.2	70	130			
Dibenzo(a,h)Anthracene	2590	5.00	2500	0	104	70	130			
3,3-Dichlorobenzidine	2760	5.00	2500	0	110	70	130			
Diethyl phthalate	2230	10.0	2500	0	89.0	70	130			
Dimethyl phthalate	2220	10.0	2500	0	88.6	70	130			
Di-n-butyl phthalate	2150	10.0	2500	0	86.1	70	130			
2,4-Dinitrotoluene	2380	10.0	2500	0	95.0	70	130			
2,6-Dinitrotoluene	2590	10.0	2500	0	104	70	130			
Di-n-octyl phthalate	2530	10.0	2500	0	101	70	130			
1,2-Diphenyl Hydrazine	2110	20.0	2500	0	84.5	70	130			
Fluoranthene	1920	10.0	2500	0	77.0	70	130			
Fluorene	2210	10.0	2500	0	88.2	70	130			
Hexachloro-cyclopentadiene	2580	10.0	2500	0	103	70	130			
Indeno(1,2,3-cd)pyrene	2600	5.00	2500	0	104	70	130			
Isophorone	2390	10.0	2500	0	95.8	70	130			
Naphthalene	2170	10.0	2500	0	87.0	70	130			
N-Nitrosodimethylamine	2260	20.0	2500	0	90.4	70	130			
N-Nitrosodi-n-propylamine	2150	20.0	2500	0	86.0	70	130			
N-Nitrosodiphenylamine	2110	20.0	2500	0	84.2	70	130			
Pyrene	2560	10.0	2500	0	102	70	130			
1,2,4-Trichlorobenzene	2280	10.0	2500	0	91.2	70	130			
Phenol, Total	2320	10.0	2500	0	93.0	70	130			
Cresols	4170	10.0	5000	0	83.3	70	130			
Surr: 2,4,6-Tribromophenol	2220		2500		88.8	70	130			
Surr: 2-Fluorobiphenyl	2450		2500		98.0	70	130			
Surr: 2-Fluorophenol	2310		2500		92.4	70	130			
Surr: 4-Terphenyl-d14	2600		2500		104	70	130			
Surr: Nitrobenzene-d5	2550		2500		102	70	130			
Surr: Phenol-d5	2220		2500		88.8	70	130			

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS8\_240513A

The QC data in batch 115352 applies to the following samples: 2405086-05E, 2405086-05F, 2405086-06E, 2405086-06F

Sample ID: <b>LCS-115352-PCB</b>	Batch ID: <b>115352</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>GCMS8_240513A</b>	Analysis Date: <b>5/13/2024 1:06:00 PM</b>	Prep Date: <b>5/10/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	2.41	0.200	4.000	0	60.3	37	130			
Aroclor 1260	2.48	0.200	4.000	0	62.0	19	130			
Total PCBs	4.89	0.200	8.000	0	61.1	19	130			
Surr: 2-Fluorobiphenyl	2.27		4.000		56.8	43	116			
Surr: 4-Terphenyl-d14	2.89		4.000		72.4	33	141			

Sample ID: <b>MB-115352</b>	Batch ID: <b>115352</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>GCMS8_240513A</b>	Analysis Date: <b>5/13/2024 1:36:00 PM</b>	Prep Date: <b>5/10/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	<0.100	0.200								
Aroclor 1221	<0.100	0.200								
Aroclor 1232	<0.100	0.200								
Aroclor 1242	<0.100	0.200								
Aroclor 1248	<0.100	0.200								
Aroclor 1254	<0.100	0.200								
Aroclor 1260	<0.100	0.200								
Total PCBs	<0.100	0.200								
Surr: 2-Fluorobiphenyl	2.47		4.000		61.9	43	116			
Surr: 4-Terphenyl-d14	3.04		4.000		75.9	33	141			

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS8\_240513A

Sample ID: <b>ICV-240513</b>	Batch ID: <b>R133017</b>	TestNo: <b>E625.1</b>	Units: <b>µg/L</b>							
SampType: <b>ICV</b>	Run ID: <b>GCMS8_240513A</b>	Analysis Date: <b>5/13/2024 12:20:00 PM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	1890	0.200	2000	0	94.7	70	130			
Aroclor 1260	1790	0.200	2000	0	89.4	19	130			
Total PCBs	3680	0.200	4000	0	92.0	70	130			
Surr: 2-Fluorobiphenyl	1740		2000		87.1	70	130			
Surr: 4-Terphenyl-d14	1710		2000		85.7	70	130			

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS9\_240514A

The QC data in batch 115369 applies to the following samples: 2405086-05D, 2405086-06D

Sample ID: <b>MB-115369</b>	Batch ID: <b>115369</b>	TestNo: <b>D7065-17</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>GCMS9_240514A</b>	Analysis Date: <b>5/14/2024 10:14:00 AM</b>	Prep Date: <b>5/13/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Nonylphenol	<70.0	100								N
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Sample ID: <b>LCS-115369-NP</b>	Batch ID: <b>115369</b>	TestNo: <b>D7065-17</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>GCMS9_240514A</b>	Analysis Date: <b>5/14/2024 10:58:00 AM</b>	Prep Date: <b>5/13/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Nonylphenol	916	100	1000	0	91.6	40	140			N
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**Qualifiers:**

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS9\_240514A

Sample ID: <b>ICV-240514 NP</b>	Batch ID: <b>R133032</b>	TestNo: <b>D7065-17</b>	Units: <b>µg/L</b>							
SampType: <b>ICV</b>	Run ID: <b>GCMS9_240514A</b>	Analysis Date: <b>5/14/2024 9:51:00 AM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nonylphenol	93200	100	100000	0	93.2	75	125			N

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** WC\_240510C

The QC data in batch 115351 applies to the following samples: 2405086-03C, 2405086-04C

Sample ID: <b>MB-115351</b>	Batch ID: <b>115351</b>	TestNo: <b>E1664A</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>WC_240510C</b>	Analysis Date: <b>5/10/2024 5:00:00 PM</b>	Prep Date: <b>5/10/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Oil & Grease	1700	5000
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Sample ID: <b>LCS-115351</b>	Batch ID: <b>115351</b>	TestNo: <b>E1664A</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>WC_240510C</b>	Analysis Date: <b>5/10/2024 5:00:00 PM</b>	Prep Date: <b>5/10/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Oil & Grease	32200	5000	40000	0	80.5	78	114
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Sample ID: <b>LCSD-115351</b>	Batch ID: <b>115351</b>	TestNo: <b>E1664A</b>	Units: <b>µg/L</b>							
SampType: <b>LCSD</b>	Run ID: <b>WC_240510C</b>	Analysis Date: <b>5/10/2024 5:00:00 PM</b>	Prep Date: <b>5/10/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Oil & Grease	32800	5000	40000	0	82.0	78	114	1.85	18
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**Qualifiers:**

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS5\_240509A

The QC data in batch 115330 applies to the following samples: 2405086-03A, 2405086-04A

Sample ID: <b>LCS-115330</b>	Batch ID: <b>115330</b>	TestNo: <b>E624.1</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>GCMS5_240509A</b>	Analysis Date: <b>5/9/2024 10:19:00 AM</b>	Prep Date: <b>5/9/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	24.6	10.0	23.20	0	106	65	135			
Carbon tetrachloride	21.2	2.00	23.20	0	91.6	70	130			
Chlorobenzene	23.9	10.0	23.20	0	103	35	135			
Chloroform	22.7	2.00	23.20	0	98.1	70	135			
Chlorodibromomethane	21.6	5.00	23.20	0	93.0	70	135			
1,2-Dibromoethane	21.8	2.00	23.20	0	94.0	60	140			
1,2-Dichloroethane	21.5	5.00	23.20	0	92.6	70	130			
1,1-Dichloroethylene	22.7	5.00	23.20	0	98.0	50	150			
Methyl ethyl ketone	119	50.0	116.0	0	103	60	140			
Tetrachloroethylene	23.5	10.0	23.20	0	101	70	130			
Trichloroethylene	22.1	5.00	23.20	0	95.2	65	135			
1,1,1-Trichloroethane	21.5	10.0	23.20	0	92.9	70	130			
TTHM (Total Trihalomethanes)	86.3	10.0	92.80	0	93.0	60	140			
Vinyl chloride	25.4	10.0	23.20	0	110	5	195			
Acrylonitrile	45.1	50.0	46.40	0	97.3	60	140			
1,1,2,2-Tetra-chloroethane	26.0	10.0	23.20	0	112	60	140			
Bromoform	20.0	10.0	23.20	0	86.3	65	135			
Chloroethane	24.9	10.0	23.20	0	107	40	160			
2-Chloroethylvinyl Ether	23.4	10.0	23.20	0	101	5	225			
Dichlorobromomethane	21.9	5.00	23.20	0	94.5	65	135			
1,1-Dichloroethane	24.6	10.0	23.20	0	106	70	130			
1,2-Dichloropropane	24.5	10.0	23.20	0	106	35	165			
1,3-Dichloropropylene	22.9	10.0	23.20	0	98.7	25	175			
Ethyl benzene	23.3	10.0	23.20	0	100	60	140			
Methyl bromide	14.7	20.0	23.20	0	63.6	15	185			
Methyl chloride	25.4	20.0	23.20	0	109	5	205			
Methylene chloride	24.5	5.00	23.20	0	106	60	140			
Toluene	23.7	10.0	23.20	0	102	70	130			
1,2-Trans-Dichloroethylene	22.9	2.00	23.20	0	98.9	70	130			
1,1,2-Trichloroethane	22.5	10.0	23.20	0	97.0	70	130			
1,2-Dichlorobenzene	24.0	5.00	23.20	0	104	65	135			
1,3-Dichlorobenzene	24.5	5.00	23.20	0	106	70	130			
1,4-Dichlorobenzene	24.5	5.00	23.20	0	106	65	135			
Surr: 1,2-Dichloroethane-d4	198		200.0		99.1	72	119			
Surr: 4-Bromofluorobenzene	205		200.0		103	76	119			
Surr: Dibromofluoromethane	191		200.0		95.3	85	115			
Surr: Toluene-d8	208		200.0		104	81	120			

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS5\_240509A

Sample ID: <b>LCS-115330</b>	Batch ID: <b>115330</b>	TestNo: <b>E624.1</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>GCMS5_240509A</b>	Analysis Date: <b>5/9/2024 10:45:00 AM</b>	Prep Date: <b>5/9/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Acrolein	73.6	50.0	58.00	0	127	60	140			
Surr: 1,2-Dichloroethane-d4	201		200.0		100	72	119			
Surr: 4-Bromofluorobenzene	215		200.0		107	76	119			
Surr: Dibromofluoromethane	192		200.0		96.2	85	115			
Surr: Toluene-d8	212		200.0		106	81	120			

Sample ID: <b>MB-115330</b>	Batch ID: <b>115330</b>	TestNo: <b>E624.1</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>GCMS5_240509A</b>	Analysis Date: <b>5/9/2024 11:11:00 AM</b>	Prep Date: <b>5/9/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	<1.00	10.0								
Carbon tetrachloride	<1.00	2.00								
Chlorobenzene	<1.00	10.0								
Chloroform	<1.00	2.00								
Chlorodibromomethane	<1.00	5.00								
1,2-Dibromoethane	<1.00	2.00								
1,2-Dichloroethane	<1.00	5.00								
1,1-Dichloroethylene	<1.00	5.00								
Methyl ethyl ketone	<15.0	50.0								
Tetrachloroethylene	<2.00	10.0								
Trichloroethylene	<1.00	5.00								
1,1,1-Trichloroethane	<1.00	10.0								
TTHM (Total Trihalomethanes)	<5.00	10.0								
Vinyl chloride	<1.00	10.0								
Acrolein	<5.00	50.0								
Acrylonitrile	<3.00	50.0								
1,1,2,2-Tetra-chloroethane	<1.00	10.0								
Bromoform	<1.00	10.0								
Chloroethane	<2.00	10.0								
2-Chloroethylvinyl Ether	<6.00	10.0								
Dichlorobromomethane	<1.00	5.00								
1,1-Dichloroethane	<1.00	10.0								
1,2-Dichloropropane	<1.00	10.0								
1,3-Dichloropropylene	<1.00	10.0								
Ethyl benzene	<1.00	10.0								
Methyl bromide	<5.00	20.0								
Methyl chloride	<1.00	20.0								
Methylene chloride	<2.50	5.00								
Toluene	<2.00	10.0								
1,2-Trans-Dichloroethylene	<1.00	2.00								
1,1,2-Trichloroethane	<1.00	10.0								

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS5\_240509A

Sample ID: <b>MB-115330</b>	Batch ID: <b>115330</b>	TestNo: <b>E624.1</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>GCMS5_240509A</b>	Analysis Date: <b>5/9/2024 11:11:00 AM</b>	Prep Date: <b>5/9/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

1,2-Dichlorobenzene	<1.00	5.00								
1,3-Dichlorobenzene	<1.00	5.00								
1,4-Dichlorobenzene	<1.00	5.00								
Surr: 1,2-Dichloroethane-d4	203		200.0		102	72	119			
Surr: 4-Bromofluorobenzene	215		200.0		108	76	119			
Surr: Dibromofluoromethane	195		200.0		97.7	85	115			
Surr: Toluene-d8	214		200.0		107	81	120			

Sample ID: <b>2405128-02AMS</b>	Batch ID: <b>115330</b>	TestNo: <b>E624.1</b>	Units: <b>µg/L</b>							
SampType: <b>MS</b>	Run ID: <b>GCMS5_240509A</b>	Analysis Date: <b>5/9/2024 8:14:00 PM</b>	Prep Date: <b>5/9/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	23.9	10.0	23.20	0	103	37	151			
Carbon tetrachloride	20.8	2.00	23.20	0	89.7	70	140			
Chlorobenzene	22.8	10.0	23.20	0	98.2	37	160			
Chloroform	22.7	2.00	23.20	0	97.8	51	138			
Chlorodibromomethane	20.6	5.00	23.20	0	88.7	53	149			
1,2-Dibromoethane	21.2	2.00	23.20	0	91.2	40	160			
1,2-Dichloroethane	21.9	5.00	23.20	0	94.3	49	155			
1,1-Dichloroethylene	21.2	5.00	23.20	0	91.4	10	234			
Methyl ethyl ketone	109	50.0	116.0	0	94.4	40	160			
Tetrachloroethylene	21.5	10.0	23.20	0	92.6	64	148			
Trichloroethylene	21.0	5.00	23.20	0	90.5	70	157			
1,1,1-Trichloroethane	20.9	10.0	23.20	0	90.1	52	162			
TTHM (Total Trihalomethanes)	84.3	10.0	92.80	0	90.8	40	160			
Vinyl chloride	21.0	10.0	23.20	0	90.4	10	251			
Acrolein	56.1	50.0	58.00	0	96.7	40	160			
Acrylonitrile	43.4	50.0	46.40	0	93.6	40	160			
1,1,2,2-Tetra-chloroethane	26.1	10.0	23.20	0	112	46	157			
Bromoform	19.1	10.0	23.20	0	82.2	45	169			
Chloroethane	22.0	10.0	23.20	0	94.7	14	230			
Dichlorobromomethane	22.0	5.00	23.20	0	94.6	35	155			
1,1-Dichloroethane	24.0	10.0	23.20	0	103	59	155			
1,2-Dichloropropane	23.9	10.0	23.20	0	103	10	210			
1,3-Dichloropropylene	20.6	10.0	23.20	0	88.6	10	227			
Ethyl benzene	22.1	10.0	23.20	0	95.1	37	162			
Methyl bromide	11.0	20.0	23.20	0	47.5	10	242			
Methyl chloride	21.2	20.0	23.20	0	91.4	5	273			
Methylene chloride	24.3	5.00	23.20	0	105	10	221			
Toluene	22.7	10.0	23.20	0	97.7	47	150			
1,2-Trans-Dichloroethylene	21.7	2.00	23.20	0	93.7	54	156			

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS5\_240509A

Sample ID: <b>2405128-02AMS</b>	Batch ID: <b>115330</b>	TestNo: <b>E624.1</b>	Units: <b>µg/L</b>							
SampType: <b>MS</b>	Run ID: <b>GCMS5_240509A</b>	Analysis Date: <b>5/9/2024 8:14:00 PM</b>	Prep Date: <b>5/9/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

1,1,2-Trichloroethane	22.7	10.0	23.20	0	97.7	52	150			
1,2-Dichlorobenzene	22.5	5.00	23.20	0	97.1	18	190			
1,3-Dichlorobenzene	23.0	5.00	23.20	0	99.0	59	156			
1,4-Dichlorobenzene	22.9	5.00	23.20	0	98.9	18	190			
Surr: 1,2-Dichloroethane-d4	206		200.0		103	72	119			
Surr: 4-Bromofluorobenzene	200		200.0		100	76	119			
Surr: Dibromofluoromethane	197		200.0		98.7	85	115			
Surr: Toluene-d8	202		200.0		101	81	120			

Sample ID: <b>2405128-02AMSD</b>	Batch ID: <b>115330</b>	TestNo: <b>E624.1</b>	Units: <b>µg/L</b>							
SampType: <b>MSD</b>	Run ID: <b>GCMS5_240509A</b>	Analysis Date: <b>5/9/2024 8:40:00 PM</b>	Prep Date: <b>5/9/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	23.1	10.0	23.20	0	99.7	37	151	3.36	40	
Carbon tetrachloride	19.7	2.00	23.20	0	84.8	70	140	5.58	40	
Chlorobenzene	22.3	10.0	23.20	0	96.0	37	160	2.22	40	
Chloroform	21.6	2.00	23.20	0	93.3	51	138	4.70	40	
Chlorodibromomethane	19.9	5.00	23.20	0	85.8	53	149	3.36	40	
1,2-Dibromoethane	20.0	2.00	23.20	0	86.3	40	160	5.50	40	
1,2-Dichloroethane	20.8	5.00	23.20	0	89.6	49	155	5.10	40	
1,1-Dichloroethylene	20.7	5.00	23.20	0	89.3	10	234	2.31	32	
Methyl ethyl ketone	100	50.0	116.0	0	86.6	40	160	8.62	40	
Tetrachloroethylene	21.0	10.0	23.20	0	90.6	64	148	2.20	39	
Trichloroethylene	20.3	5.00	23.20	0	87.6	70	157	3.19	40	
1,1,1-Trichloroethane	20.1	10.0	23.20	0	86.8	52	162	3.70	36	
TTHM (Total Trihalomethanes)	80.8	10.0	92.80	0	87.0	40	160	4.27	40	
Vinyl chloride	20.5	10.0	23.20	0	88.3	10	251	2.28	40	
Acrolein	51.5	50.0	58.00	0	88.7	40	160	8.61	40	
Acrylonitrile	39.5	50.0	46.40	0	85.2	40	160	9.46	40	
1,1,2,2-Tetra-chloroethane	23.7	10.0	23.20	0	102	46	157	9.55	40	
Bromoform	18.0	10.0	23.20	0	77.7	45	169	5.59	40	
Chloroethane	20.9	10.0	23.20	0	90.0	14	230	5.10	40	
Dichlorobromomethane	21.2	5.00	23.20	0	91.3	35	155	3.55	40	
1,1-Dichloroethane	23.1	10.0	23.20	0	99.5	59	155	3.77	40	
1,2-Dichloropropane	23.0	10.0	23.20	0	99.0	10	210	3.82	40	
1,3-Dichloropropylene	20.0	10.0	23.20	0	86.2	10	227	2.84	40	
Ethyl benzene	21.3	10.0	23.20	0	91.9	37	162	3.47	40	
Methyl bromide	12.0	20.0	23.20	0	51.8	10	242	8.73	40	
Methyl chloride	21.1	20.0	23.20	0	91.0	5	273	0.449	40	
Methylene chloride	23.7	5.00	23.20	0	102	10	221	2.72	28	
Toluene	21.9	10.0	23.20	0	94.5	47	150	3.38	40	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS5\_240509A

Sample ID: <b>2405128-02AMSD</b>	Batch ID: <b>115330</b>	TestNo: <b>E624.1</b>				Units: <b>µg/L</b>				
SampType: <b>MSD</b>	Run ID: <b>GCMS5_240509A</b>	Analysis Date: <b>5/9/2024 8:40:00 PM</b>				Prep Date: <b>5/9/2024</b>				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Trans-Dichloroethylene	21.0	2.00	23.20	0	90.6	54	156	3.32	40	
1,1,2-Trichloroethane	21.4	10.0	23.20	0	92.2	52	150	5.83	40	
1,2-Dichlorobenzene	22.1	5.00	23.20	0	95.1	18	190	2.14	40	
1,3-Dichlorobenzene	22.4	5.00	23.20	0	96.4	59	156	2.70	40	
1,4-Dichlorobenzene	22.3	5.00	23.20	0	96.2	18	190	2.74	40	
Surr: 1,2-Dichloroethane-d4	203		200.0		101	72	119	0	0	
Surr: 4-Bromofluorobenzene	200		200.0		100	76	119	0	0	
Surr: Dibromofluoromethane	195		200.0		97.7	85	115	0	0	
Surr: Toluene-d8	201		200.0		100	81	120	0	0	

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS5\_240509A

Sample ID: <b>ICV-240509</b>	Batch ID: <b>R132961</b>	TestNo: <b>E624.1</b>				Units: <b>µg/L</b>				
SampType: <b>ICV</b>	Run ID: <b>GCMS5_240509A</b>	Analysis Date: <b>5/9/2024 9:54:00 AM</b>				Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	44.3	10.0	46.40	0	95.4	70	130			
Carbon tetrachloride	38.1	2.00	46.40	0	82.1	70	130			
Chlorobenzene	42.8	10.0	46.40	0	92.3	70	130			
Chloroform	41.1	2.00	46.40	0	88.6	70	130			
Chlorodibromomethane	39.2	5.00	46.40	0	84.5	70	130			
1,2-Dibromoethane	40.2	2.00	46.40	0	86.7	70	130			
1,2-Dichloroethane	39.2	5.00	46.40	0	84.5	70	130			
1,1-Dichloroethylene	40.2	5.00	46.40	0	86.6	70	130			
Methyl ethyl ketone	238	50.0	232.0	0	103	70	130			
Tetrachloroethylene	41.3	10.0	46.40	0	88.9	70	130			
Trichloroethylene	39.7	5.00	46.40	0	85.6	70	130			
1,1,1-Trichloroethane	38.7	10.0	46.40	0	83.3	70	130			
TTHM (Total Trihalomethanes)	157	10.0	185.6	0	84.6	70	130			
Vinyl chloride	41.9	10.0	46.40	0	90.4	70	130			
Acrolein	94.3	50.0	116.0	0	81.3	70	130			
Acrylonitrile	82.2	50.0	92.80	0	88.6	70	130			
1,1,2,2-Tetra-chloroethane	46.0	10.0	46.40	0	99.2	70	130			
Bromoform	36.3	10.0	46.40	0	78.3	70	130			
Chloroethane	41.3	10.0	46.40	0	88.9	70	130			
2-Chloroethylvinyl Ether	49.8	10.0	46.40	0	107	70	130			
Dichlorobromomethane	40.4	5.00	46.40	0	87.1	70	130			
1,1-Dichloroethane	43.8	10.0	46.40	0	94.4	70	130			
1,2-Dichloropropane	44.5	10.0	46.40	0	95.9	70	130			
1,3-Dichloropropylene	42.7	10.0	46.40	0	92.0	70	130			
Ethyl benzene	42.0	10.0	46.40	0	90.4	70	130			
Methyl bromide	23.7	20.0	46.40	0	51.0	70	130			S
Methyl chloride	40.8	20.0	46.40	0	87.9	70	130			
Methylene chloride	44.9	5.00	46.40	0	96.8	70	130			
Toluene	42.4	10.0	46.40	0	91.4	70	130			
1,2-Trans-Dichloroethylene	41.3	2.00	46.40	0	88.9	70	130			
1,1,2-Trichloroethane	41.7	10.0	46.40	0	89.9	70	130			
1,2-Dichlorobenzene	43.5	5.00	46.40	0	93.7	70	130			
1,3-Dichlorobenzene	44.0	5.00	46.40	0	94.9	70	130			
1,4-Dichlorobenzene	43.9	5.00	46.40	0	94.6	70	130			
Surr: 1,2-Dichloroethane-d4	200		200.0		100	72	119			
Surr: 4-Bromofluorobenzene	201		200.0		101	76	119			
Surr: Dibromofluoromethane	190		200.0		95.2	85	115			
Surr: Toluene-d8	206		200.0		103	81	120			

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** IC4\_240509A

The QC data in batch 115339 applies to the following samples: 2405086-05C, 2405086-06C

Sample ID: <b>MB-115339</b>	Batch ID: <b>115339</b>	TestNo: <b>E300</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>IC4_240509A</b>	Analysis Date: <b>5/9/2024 10:59:53 AM</b>	Prep Date: <b>5/9/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	<100	400
Nitrate-N	<100	500

Sample ID: <b>LCS-115339</b>	Batch ID: <b>115339</b>	TestNo: <b>E300</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>IC4_240509A</b>	Analysis Date: <b>5/9/2024 11:18:53 AM</b>	Prep Date: <b>5/9/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	3910	400	4000	0	97.7	90	110
Nitrate-N	4840	500	5000	0	96.9	90	110

Sample ID: <b>LCSD-115339</b>	Batch ID: <b>115339</b>	TestNo: <b>E300</b>	Units: <b>µg/L</b>							
SampType: <b>LCSD</b>	Run ID: <b>IC4_240509A</b>	Analysis Date: <b>5/9/2024 11:44:45 AM</b>	Prep Date: <b>5/9/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	3910	400	4000	0	97.8	90	110	0.168	20
Nitrate-N	4850	500	5000	0	97.1	90	110	0.232	20

Sample ID: <b>2405124-01CMS</b>	Batch ID: <b>115339</b>	TestNo: <b>E300</b>	Units: <b>µg/L</b>							
SampType: <b>MS</b>	Run ID: <b>IC4_240509A</b>	Analysis Date: <b>5/9/2024 4:12:17 PM</b>	Prep Date: <b>5/9/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	1850000	40000	2000000	0	92.7	90	110
Nitrate-N	434000	50000	452000	0	96.0	90	110

Sample ID: <b>2405124-01CMSD</b>	Batch ID: <b>115339</b>	TestNo: <b>E300</b>	Units: <b>µg/L</b>							
SampType: <b>MSD</b>	Run ID: <b>IC4_240509A</b>	Analysis Date: <b>5/9/2024 4:31:17 PM</b>	Prep Date: <b>5/9/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	1880000	40000	2000000	0	93.8	90	110	1.19	20
Nitrate-N	442000	50000	452000	0	97.8	90	110	1.82	20

Sample ID: <b>2405115-01AMS</b>	Batch ID: <b>115339</b>	TestNo: <b>E300</b>	Units: <b>µg/L</b>							
SampType: <b>MS</b>	Run ID: <b>IC4_240509A</b>	Analysis Date: <b>5/9/2024 5:09:17 PM</b>	Prep Date: <b>5/9/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	196000	4000	200000	1900	97.2	90	110
Nitrate-N	45200	5000	45200	0	100	90	110

**Qualifiers:**

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** IC4\_240509A

Sample ID: 2405115-01AMSD		Batch ID: 115339		TestNo: E300			Units: µg/L				
SampType: MSD		Run ID: IC4_240509A		Analysis Date: 5/9/2024 5:28:17 PM			Prep Date: 5/9/2024				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride		197000	4000	200000	1900	97.6	90	110	0.427	20	
Nitrate-N		45400	5000	45200	0	101	90	110	0.417	20	

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** IC4\_240509A

Sample ID: <b>ICV-240509</b>	Batch ID: <b>R132973</b>	TestNo: <b>E300</b>	Units: <b>µg/L</b>							
SampType: <b>ICV</b>	Run ID: <b>IC4_240509A</b>	Analysis Date: <b>5/9/2024 10:40:53 AM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	10100	400	10000	0	101	90	110			
Nitrate-N	12700	500	12500	0	102	90	110			

Sample ID: <b>CCV1-240509</b>	Batch ID: <b>R132973</b>	TestNo: <b>E300</b>	Units: <b>µg/L</b>							
SampType: <b>CCV</b>	Run ID: <b>IC4_240509A</b>	Analysis Date: <b>5/10/2024 9:37:32 AM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Fluoride	3890	400	4000	0	97.2	90	110			
Nitrate-N	4810	500	5000	0	96.1	90	110			

**Qualifiers:**

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** UV/VIS\_2\_240508C

The QC data in batch 115308 applies to the following samples: 2405086-01A, 2405086-02A

Sample ID: MB-115308	Batch ID: 115308	TestNo: M3500-Cr B	Units: µg/L							
SampType: MBLK	Run ID: UV/VIS_2_240508C	Analysis Date: 5/8/2024 10:33:00 AM	Prep Date: 5/8/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium (Hex)	<3.00	3.00								
Chromium (Tri)	<2.00	3.00								N

Sample ID: LCS-115308	Batch ID: 115308	TestNo: M3500-Cr B	Units: µg/L							
SampType: LCS	Run ID: UV/VIS_2_240508C	Analysis Date: 5/8/2024 10:33:00 AM	Prep Date: 5/8/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium (Hex)	99.9	3.00	100.0	0	99.9	85	115			

Sample ID: <b>LCSD-115308</b>	Batch ID: <b>115308</b>	TestNo: <b>M3500-Cr B</b>	Units: <b>µg/L</b>							
SampType: <b>LCSD</b>	Run ID: <b>UV/VIS_2_240508C</b>	Analysis Date: <b>5/8/2024 10:34:00 AM</b>	Prep Date: <b>5/8/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium (Hex)	104	3.00	100.0	0	104	85	115	3.56	15	

Sample ID: 2405086-02A MS	Batch ID: 115308	TestNo: M3500-Cr B	Units: µg/L							
SampType: MS	Run ID: UV/VIS_2_240508C	Analysis Date: 5/8/2024 10:38:00 AM	Prep Date: 5/8/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium (Hex)	87.0	3.00	100.0	0	87.0	85	115			

Sample ID: 2405086-02A MSD	Batch ID: 115308	TestNo: M3500-Cr B	Units: µg/L							
SampType: MSD	Run ID: UV/VIS_2_240508C	Analysis Date: 5/8/2024 10:38:00 AM	Prep Date: 5/8/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium (Hex)	87.0	3.00	100.0	0	87.0	85	115	0.023	15	

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** UV/VIS\_2\_240508C

Sample ID: <b>ICV-240508</b>	Batch ID: <b>R132957</b>	TestNo: <b>M3500-Cr B</b>	Units: <b>µg/L</b>							
SampType: <b>ICV</b>	Run ID: <b>UV/VIS_2_240508C</b>	Analysis Date: <b>5/8/2024 10:31:00 AM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium (Hex)	94.4	3.00	100.0	0	94.4	90	110			
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Sample ID: <b>CCV-240508</b>	Batch ID: <b>R132957</b>	TestNo: <b>M3500-Cr B</b>	Units: <b>µg/L</b>							
SampType: <b>CCV</b>	Run ID: <b>UV/VIS_2_240508C</b>	Analysis Date: <b>5/8/2024 10:45:00 AM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chromium (Hex)	191	3.00	200.0	0	95.6	90	110			
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**Qualifiers:**

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** UV/VIS\_2\_240515A

The QC data in batch 115386 applies to the following samples: 2405086-05B, 2405086-06B

Sample ID: <b>MB-115386</b>	Batch ID: <b>115386</b>	TestNo: <b>M4500-P E</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>UV/VIS_2_240515A</b>	Analysis Date: <b>5/15/2024 9:27:00 AM</b>	Prep Date: <b>5/14/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Phosphorus	<40.0	100								
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Sample ID: <b>LCS-115386</b>	Batch ID: <b>115386</b>	TestNo: <b>M4500-P E</b>	Units: <b>µg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>UV/VIS_2_240515A</b>	Analysis Date: <b>5/15/2024 9:27:00 AM</b>	Prep Date: <b>5/14/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Phosphorus	521	100	500	0	104	80	120			
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Sample ID: <b>LCSD-115386</b>	Batch ID: <b>115386</b>	TestNo: <b>M4500-P E</b>	Units: <b>µg/L</b>							
SampType: <b>LCSD</b>	Run ID: <b>UV/VIS_2_240515A</b>	Analysis Date: <b>5/15/2024 9:28:00 AM</b>	Prep Date: <b>5/14/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Phosphorus	520	100	500	0	104	80	120	0.192	20	
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Sample ID: <b>2405086-06BMS</b>	Batch ID: <b>115386</b>	TestNo: <b>M4500-P E</b>	Units: <b>µg/L</b>							
SampType: <b>MS</b>	Run ID: <b>UV/VIS_2_240515A</b>	Analysis Date: <b>5/15/2024 9:30:00 AM</b>	Prep Date: <b>5/14/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Phosphorus	732	100	500	247	97.0	80	120			
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Sample ID: <b>2405086-06BMSD</b>	Batch ID: <b>115386</b>	TestNo: <b>M4500-P E</b>	Units: <b>µg/L</b>							
SampType: <b>MSD</b>	Run ID: <b>UV/VIS_2_240515A</b>	Analysis Date: <b>5/15/2024 9:30:00 AM</b>	Prep Date: <b>5/14/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Phosphorus	729	100	500	247	96.4	80	120	0.411	20	
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**Qualifiers:**

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** UV/VIS\_2\_240515A

Sample ID: <b>ICV-240515</b>		Batch ID: <b>R133045</b>		TestNo: <b>M4500-P E</b>		Units: <b>µg/L</b>				
SampType: <b>ICV</b>		Run ID: <b>UV/VIS_2_240515A</b>		Analysis Date: <b>5/15/2024 9:26:00 AM</b>		Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phosphorus	216	100	200	0	108	85	115			

Sample ID: <b>CCV1-240515</b>		Batch ID: <b>R133045</b>		TestNo: <b>M4500-P E</b>		Units: <b>µg/L</b>				
SampType: <b>CCV</b>		Run ID: <b>UV/VIS_2_240515A</b>		Analysis Date: <b>5/15/2024 9:53:00 AM</b>		Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phosphorus	512	100	500	0	102	85	115			

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** UV/VIS\_2\_240515D

The QC data in batch 115390 applies to the following samples: 2405086-03B, 2405086-04B

Sample ID: <b>MB-115390</b>	Batch ID: <b>115390</b>	TestNo: <b>M4500-CN E</b>	Units: <b>µg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>UV/VIS_2_240515D</b>	Analysis Date: <b>5/15/2024 3:10:00 PM</b>	Prep Date: <b>5/15/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Available	<10.0	20.0								
Cyanide, Total	<10.0	20.0								

Sample ID: LCS-115390	Batch ID: 115390	TestNo: M4500-CN E	Units: µg/L							
SampType: LCS	Run ID: UV/VIS_2_240515D	Analysis Date: 5/15/2024 3:11:00 PM	Prep Date: 5/15/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	183	20.0	200	0	91.5	85	115			

Sample ID: 2405085-04BMS	Batch ID: 115390	TestNo: M4500-CN E	Units: µg/L							
SampType: MS	Run ID: UV/VIS_2_240515D	Analysis Date: 5/15/2024 3:11:00 PM	Prep Date: 5/15/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	189	20.0	200	0	94.3	79	114			

Sample ID: 2405085-04BMSD	Batch ID: 115390	TestNo: M4500-CN E	Units: µg/L							
SampType: MSD	Run ID: UV/VIS_2_240515D	Analysis Date: 5/15/2024 3:12:00 PM	Prep Date: 5/15/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	178	20.0	200	0	88.9	79	114	5.89	20	

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2405086  
**Project:** IPP WEST Plant Long QTR

## ANALYTICAL QC SUMMARY REPORT

**RunID:** UV/VIS\_2\_240515D

Sample ID: <b>ICV-240515</b>	Batch ID: <b>R133079</b>	TestNo: <b>M4500-CN E</b>	Units: <b>µg/L</b>							
SampType: <b>ICV</b>	Run ID: <b>UV/VIS_2_240515D</b>	Analysis Date: <b>5/15/2024 3:09:00 PM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	98.6	20.0	100	0	98.6	85	115			

Sample ID: <b>CCV1-240515</b>	Batch ID: <b>R133079</b>	TestNo: <b>M4500-CN E</b>	Units: <b>µg/L</b>							
SampType: <b>CCV</b>	Run ID: <b>UV/VIS_2_240515D</b>	Analysis Date: <b>5/15/2024 3:20:00 PM</b>	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	175	20.0	200	0	87.7	85	115			

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

*Project*  
**1102832**

## DHL1-C

DHL Analytical  
 John Dupont  
 2300 Double Creek Dr  
 Round Rock, TX 78664

Printed 05/28/2024  
 12:49

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1102832_r02_03_ProjectPrep	SPL Kilgore Project P:1102832 C:DHL1 Project Preparation And QCgroup (Set) Listings t:304	1
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Email: [Kilgore.ProjectManagement@spilabs.com](mailto:Kilgore.ProjectManagement@spilabs.com)



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*Project*  
**1102832**

## DHL1-C

DHL Analytical  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

Printed 05/28/2024  
12:49

**Total Pages: 26**

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## LABORATORY DATA PACKAGE COVER PAGE

Project  
1102832

2405086

This data package consists of:

- ☒ This signature page, the laboratory review checklist, and the following reportable data:
- ☒ R1 Field chain-of-custody documentation;
- ☒ R2 Sample identification cross-reference;
- ☒ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate recovery data including: (R4 - R8: See QC Report)
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test reports/summary forms for blank samples;
- ☒ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☒ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix; See Results Summary
- ☒ R10 Other problems or anomalies.
- ☒ The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

*Bill Peery*

Bill Peery (WJP)

VP Technical Services

5/28/2024

Name

Signature

Official Title

Date

Email: [Kilgore.ProjectManagement@spllabs.com](mailto:Kilgore.ProjectManagement@spllabs.com)



Central TX Region: 8101 Cameron Rd - Ste 305 Austin TX 78754

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SAMPLE CROSS REFERENCE

Project  
1102832

DHL Analytical  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

Printed 5/28/2024 Page 1 of 1  
2405086

Sample	Sample ID	Taken	Time	Received
2297988	INFLUENT GRAB 1	05/07/2024	12:00:00	05/10/2024

Bottle 01 Client supplied HCl Clean Metals Bottle  
Bottle 02 Prepared Bottle: Mercury Preparation for Metals (Batch 1119325) Volume: 50.00000 mL <== Derived from 01 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	02	1119325	05/15/2024	1119481	05/15/2024

Sample	Sample ID	Taken	Time	Received
2297991	EFFLUENT GRAB 1	05/07/2024	23:59:00	05/10/2024

Bottle 01 Client supplied HCl Clean Metals Bottle  
Bottle 02 Prepared Bottle: Mercury Preparation for Metals (Batch 1119325) Volume: 50.00000 mL <== Derived from 01 ( 47 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	02	1119325	05/15/2024	1119481	05/15/2024

Sample	Sample ID	Taken	Time	Received
2297993	INFLUENT COMP	05/08/2024	12:00:00	05/10/2024

Bottle 01 Client Supplied Amber Glass  
Bottle 02 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 01 ( 525 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 615	02	1119425	05/15/2024	1119920	05/17/2024

Sample	Sample ID	Taken	Time	Received
2297994	EFFLUENT COMP	05/08/2024	23:59:00	05/10/2024

Bottle 01 Client Supplied Amber Glass  
Bottle 02 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 01 ( 527 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 615	02	1119425	05/15/2024	1119920	05/17/2024

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SAMPLE PREPARATION

DHL Analytical  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

2405086

Project

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		Prep Set #	1119325
		05/15/2024	
Analytical Set #	1119481	EPA 245.7 2	05/15/2024
Sample		Sample ID	Bottle
2297988		INFLUENT GRAB 1	02
2297991		EFFLUENT GRAB 1	02

		Prep Set #	1119425
		05/15/2024	
Analytical Set #	1119920	EPA 615	05/17/2024
Sample		Sample ID	Bottle
2297993		INFLUENT COMP	02
2297994		EFFLUENT COMP	02



# HOLDING TIME COMPLIANCE

DHL Analytical  
 John Dupont  
 2300 Double Creek Dr  
 Round Rock, TX 78664

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**1102832**

2405086

Name	Method	Taken:	Received	Analyzed	Hold	Elapsed
<b>2297988</b>		5/7/24 12:00	05/10/2024			
Mercury, Total (low level)	EPA 245.7 2			5/15/24 13:41	90.00	8.00
Low Level Mercury Liquid Metals	EPA 245.7 2			5/15/24 9:30	90.00	7.00
<b>2297991</b>		5/7/24 23:59	05/10/2024			
Mercury, Total (low level)	EPA 245.7 2			5/15/24 13:51	90.00	7.00
Low Level Mercury Liquid Metals	EPA 245.7 2			5/15/24 9:30	90.00	7.00
<b>2297993</b>		5/8/24 12:00	05/10/2024			
Herbicides by GC	EPA 615			5/17/24 6:37	45.00	8.00
Esterification of Sample	EPA 615			5/15/24 14:00	7.00	7.00
<b>2297994</b>		5/8/24 23:59	05/10/2024			
Herbicides by GC	EPA 615			5/17/24 6:57	45.00	8.00
Esterification of Sample	EPA 615			5/15/24 14:00	7.00	6.00

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2300 Double Creek Dr  
Round Rock, TX 78664

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## RESULTS

### Sample Results

#### 2297988 INFLUENT GRAB 1

Received: 05/10/2024

Non-Potable Water

Collected by: Client  
Taken: 05/07/2024

DHL Analytical  
12:00:00

PO: 20830

EPA 245.7 2

Prepared: 1119325 05/15/2024 09:30:00 Analyzed 1119481 05/15/2024 13:41:00 MPI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Mercury, Total (low level)	3.07	ng/L	5.00	J	7439-97-6	02

#### 2297991 EFFLUENT GRAB 1

Received: 05/10/2024

Non-Potable Water

Collected by: Client  
Taken: 05/07/2024

DHL Analytical  
23:59:00

PO: 20830

EPA 245.7 2

Prepared: 1119325 05/15/2024 09:30:00 Analyzed 1119481 05/15/2024 13:51:00 MPI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Mercury, Total (low level)	<1.28	ng/L	1.28		7439-97-6	02

#### 2297993 INFLUENT COMP

Received: 05/10/2024

Non-Potable Water

Collected by: Client  
Taken: 05/08/2024

DHL Analytical  
12:00:00

PO: 20830

EPA 615

Prepared: 1119425 05/15/2024 14:00:00 Analyzed 1119920 05/17/2024 06:37:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	2,4 Dichlorophenoxyacetic acid	<0.700	ug/L	0.700	SD	94-75-7	02
NELAC	2,4,5-TP (Silvex)	<0.300	ug/L	0.300	S	93-72-1	02



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2297994	EFFLUENT COMP	Received:	05/10/2024
Non-Potable Water	Collected by: Client	DHL Analytical	PO:
	Taken: 05/08/2024	23:59:00	20830

EPA 615		Prepared:	1119425	05/15/2024	14:00:00	Analyzed	1119920	05/17/2024	06:57:00	KAP
	Parameter	Results	Units	RL		Flags	CAS		Bottle	
NELAC	2,4 Dichlorophenoxyacetic acid	0.776	ug/L	0.700		JSD	94-75-7		02	
NELAC	2,4,5-TP (Silvex)	0.914	ug/L	0.300		S	93-72-1		02	

Sample Preparation

2297988	INFLUENT GRAB 1	Received:	05/10/2024
			20830
	05/07/2024		

	Prepared:	05/28/2024	14:34:00	Analyzed	05/28/2024	14:34:00	WJP
z	Level IV Data Review	Completed					

EPA 245.7 2		Prepared:	1119325	05/15/2024	09:30:00	Analyzed	1119325	05/15/2024	09:30:00	MP1
NELAC	Low Level Mercury Liquid Metals	50/47	ml							01

2297991	EFFLUENT GRAB 1	Received:	05/10/2024
			20830
	05/07/2024		

	Prepared:	05/28/2024	14:34:00	Analyzed	05/28/2024	14:34:00	WJP
z	Level IV Data Review	Completed					

EPA 245.7 2		Prepared:	1119325	05/15/2024	09:30:00	Analyzed	1119325	05/15/2024	09:30:00	MP1
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DHL1-C

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DHL Analytical  
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Project

1102832

Printed: 05/28/2024

2297991	EFFLUENT GRAB 1	Received: 05/10/2024
		20830
	05/07/2024	

EPA 245.7 2	Prepared: 1119325 05/15/2024 09:30:00	Analyzed 1119325 05/15/2024 09:30:00	MP1
NELAC	Low Level Mercury Liquid Metals	50/47 ml	01

2297993	INFLUENT COMP	Received: 05/10/2024
		20830
	05/08/2024	

	Prepared: 05/10/2024 15:14:30	Calculated 05/10/2024 15:14:30	CAL
z	Environmental Fee (per Project)	Verified	
	Prepared: 05/28/2024 14:34:00	Analyzed 05/28/2024 14:34:00	WJP
z	Level IV Data Review	Completed	

EPA 615	Prepared: 1119425 05/15/2024 14:00:00	Analyzed 1119425 05/15/2024 14:00:00	MCC
NELAC	Esterification of Sample	10/525 ml	01
	EPA 615	Prepared: 1119425 05/15/2024 14:00:00	Analyzed 1119920 05/17/2024 06:37:00 KAP
NELAC	Herbicides by GC	Entered	02

2297994	EFFLUENT COMP	Received: 05/10/2024
		20830
	05/08/2024	



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 Round Rock, TX 78664

Project  
**1102832**

Printed: 05/28/2024

**2297994 EFFLUENT COMP**

Received: 05/10/2024

20830

05/08/2024

Prepared: 05/28/2024 14:34:00 Analyzed 05/28/2024 14:34:00 WJP

### Level IV Data Review

Completed

EPA 615 Prepared: 1119425 05/15/2024 14:00:00 Analyzed 1119425 05/15/2024 14:00:00 MCC

NELAC Esterification of Sample 10/527 ml 01

EPA 615 Prepared: 1119425 05/15/2024 14:00:00 Analyzed 1119920 05/17/2024 06:57:00 KAP

NELAC Herbicides by GC Entered 02

#### Qualifiers:

J - Analyte detected below quantitation limit  
 S - Standard reads lower than desired  
 D - Duplicate RPD was higher than expected

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

DHL1-C

DHL Analytical  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

*Bill Peery*

Bill Peery, MS, VP Technical Services



**SPL**  
The Science of Sure

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Project  
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RESULTS

Project

1102832

Printed 05/28/2024  
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DHL Analytical  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

DHL1

CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water		Metals	EPA 245.7 2								
2297988	INFLUENT GRAB 1										
		Collection:	05/07/2024		12:00:00	Client			Received:	05/10/2024	
Prepared:											
7439-97-6	Mercury, Total (low level)	3.07	1.20	1.28	5.00	5.32	J	ng/L	5.00	02	1.06
Analyzed:											
2297991	EFFLUENT GRAB 1										
		Collection:	05/07/2024		23:59:00	Client			Received:	05/10/2024	
Prepared:											
7439-97-6	Mercury, Total (low level)	ND	1.20	1.28	5.00	5.32		ng/L	5.00	02	1.06
Analyzed:											

MDL is Method Detection Limit (40 CFR 136 Appendix B)  
MQL is the Method Quantitation Limit and corresponds to a low standard

SDL is Sample Detection Limit and is the adjusted MDL (sample specific dilutions, dry weight)  
MQLADJ is the Adjusted Method Quantitation Limit (dilutions, dry weight)

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RESULTS

DHL1

DHL Analytical  
John Dupont  
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Round Rock, TX 78664

Qualifiers:

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---

**Bill Peery, MS, VP Technical Services**



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RESULTS

Project

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DHL Analytical  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

DHL1

CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water		Organics								EPA 615	
2297993	INFLUENT COMP										
Collection:			05/08/2024	12:00:00		Client		Received:		05/10/2024	
Prepared:		1119425									
Analyzed:			1119920		5/17/24		06:37:00				
94-75-7	2,4 Dichlorophenoxyacetic acid	ND	0.159	0.303	0.500	0.952	SD	ug/L	0.700	02	1.90
93-72-1	2,4,5-TP (Silvex)	ND	0.0893	0.170	0.300	0.571	S	ug/L	0.300	02	1.90
2297994	EFFLUENT COMP										
Collection:			05/08/2024	23:59:00		Client		Received:		05/10/2024	
Prepared:		1119425									
Analyzed:			1119920		5/17/24		06:57:00				
94-75-7	2,4 Dichlorophenoxyacetic acid	0.776	0.159	0.302	0.500	0.949	JSD	ug/L	0.700	02	1.90
93-72-1	2,4,5-TP (Silvex)	0.914	0.0893	0.170	0.300	0.569	S	ug/L	0.300	02	1.90

MDL is Method Detection Limit (40 CFR 136 Appendix B)  
MQL is the Method Quantitation Limit and corresponds to a low standard

SDL is Sample Detection Limit and is the adjusted MDL (sample specific dilutions, dry weight)  
MQLADJ is the Adjusted Method Quantitation Limit (dilutions, dry weight)

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RESULTS

Project  
**1102832**

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DHL1

DHL Analytical  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

Qualifiers:

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QC GROUPS

DHL Analytical  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

Project

1102832

		Test	QCgroup	Analyzed	
		ESRL	1,119,425	05/15/2024	
		245I	1,119,325	05/15/2024	
1545	HP 5890A - ECD5890 w/autosampler		HP		3336A57718
		!HER	1,119,920	05/17/2024	
7472	Mercury analyzer (Low Level)		Teledyne Leeman labs		US23192001
		*Hgl	1,119,481	05/15/2024	



# QUALITY CONTROL



## DHL1-C

DHL Analytical  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

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Project  
1102832

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Analytical Set 1119481

EPA 245.7 2

AWRL/LOQ C											
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>		<u>File</u>			
Mercury, Total (low level)		5.67	5.00	ng/L	113	70.0 - 130		126340012			
Blank											
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>			<u>File</u>			
Mercury, Total (low level)	1119325	ND	1.20	5.00	ng/L			126340009			
CCB											
<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>			<u>File</u>			
Mercury, Total (low level)	1119325	1.73	1.20	5.00	ng/L			126340014			
Mercury, Total (low level)	1119325	2.45	1.20	5.00	ng/L			126340026			
Mercury, Total (low level)	1119325	2.01	1.20	5.00	ng/L			126340038			
Mercury, Total (low level)	1119481	1.68	1.20	5.00	ng/L			126340066			
CCV											
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>		<u>File</u>			
Mercury, Total (low level)		26.0	25.0	ng/L	104	87.0 - 113		126340013			
Mercury, Total (low level)		26.5	25.0	ng/L	106	87.0 - 113		126340025			
Mercury, Total (low level)		26.8	25.0	ng/L	107	87.0 - 113		126340037			
Mercury, Total (low level)		26.9	25.0	ng/L	108	87.0 - 113		126340043			
Mercury, Total (low level)		26.9	25.0	ng/L	108	87.0 - 113		126340054			
Mercury, Total (low level)		27.6	25.0	ng/L	110	87.0 - 113		126340065			
ICL											
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>		<u>File</u>			
Mercury, Total (low level)		50.0	50.0	ng/L	100	90.0 - 110		126340007			
ICV											
<u>Parameter</u>		<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>		<u>File</u>			
Mercury, Total (low level)		27.2	25.0	ng/L	109	90.0 - 110		126340008			
LCS Dup											
<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>		<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Mercury, Total (low level)	1119325	27.0	27.4		25.0	76.0 - 115	108	110	ng/L	1.47	50.0
MSD											
<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Mercury, Total (low level)	2296946	24.7	24.8	1.86	26.6	63.0 - 111	85.9	86.2	ng/L	0.437	18.0
Mercury, Total (low level)	2297194	27.1	27.7	1.42	26.6	63.0 - 111	96.5	98.8	ng/L	2.31	18.0

Analytical Set 1119920

EPA 615

Blank										
Parameter	PrepSet	Reading	MDL	MQL	Units	File				
2,4 Dichlorophenoxyacetic acid	1119425	ND	0.159	0.500	ug/L	126347776				
2,4,5-TP (Silvex)	1119425	ND	0.0893	0.300	ug/L	126347776				

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# QUALITY CONTROL



## DHL1-C

DHL Analytical  
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### CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
2,4 Dichlorophenoxyacetic acid	157	150	ug/L	105	80.0 - 115	126347763
2,4 Dichlorophenoxyacetic acid	96.2	150	ug/L	64.2	80.0 - 115 *	126347767
2,4 Dichlorophenoxyacetic acid	134	150	ug/L	89.7	80.0 - 115	126347775
2,4 Dichlorophenoxyacetic acid	127	150	ug/L	84.8	80.0 - 115	126347779
2,4,5-TP (Silvex)	167	150	ug/L	111	80.0 - 115	126347763
2,4,5-TP (Silvex)	85.4	150	ug/L	56.9	80.0 - 115 *	126347767
2,4,5-TP (Silvex)	122	150	ug/L	81.3	80.0 - 115	126347775
2,4,5-TP (Silvex)	104	150	ug/L	69.1	80.0 - 115 *	126347779

### LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
2,4 Dichlorophenoxyacetic acid	1119425	0.839	0.481	1.00	0.100 - 319	83.9	48.1	ug/L	54.2 *	30.0
2,4,5-TP (Silvex)	1119425	0.592	0.568	1.00	0.100 - 244	59.2	56.8	ug/L	4.14	30.0

### Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4-Dichlorophenylacetic Acid		CCV	158	200	ug/L	79.0	0.100 - 313	126347763
2,4-Dichlorophenylacetic Acid		CCV	111	200	ug/L	55.5	0.100 - 313	126347767
2,4-Dichlorophenylacetic Acid		CCV	145	200	ug/L	72.5	0.100 - 313	126347775
2,4-Dichlorophenylacetic Acid		CCV	149	200	ug/L	74.5	0.100 - 313	126347779
2,4-Dichlorophenylacetic Acid	1119425	Blank	48.1	200	ug/L	24.0	0.100 - 313	126347776
2,4-Dichlorophenylacetic Acid	1119425	LCS	82.9	200	ug/L	41.4	0.100 - 313	126347777
2,4-Dichlorophenylacetic Acid	1119425	LCS Dup	108	200	ug/L	54.0	0.100 - 313	126347778
2,4-Dichlorophenylacetic Acid	2297993	Unknown	0.698	3.81	ug/L	18.3	0.100 - 313	126347854
2,4-Dichlorophenylacetic Acid	2297994	Unknown	2.31	3.80	ug/L	60.8	0.100 - 313	126347855

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

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

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCB - Continuing Calibration Blank; 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.); AWRL/LOQ C - Ambient Water Reporting Limit/LOQ Check Std; 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.)

Email: [Kilgore.ProjectManagement@spllabs.com](mailto:Kilgore.ProjectManagement@spllabs.com)



Report Page 18 of 28

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DHL Analytical, Inc.  
2300 Double Creek Drive  
Round Rock, TX 78664

TEL: (512) 388-8222

FAX:

Work Order: 2405086

**CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

**Subcontractor:**

AquaTech (Austin Office)  
3512 Montopolis Drive  
Austin, Texas 78744

TEL: (512) 301-9559

FAX:

Acct #:


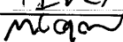
09-May-24

Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Requested Tests			
					Hg-LoLevel E245.7	Herb_W E615		
2297980 ↓ 991	Influent Grab 1	Aqueous	01B 05/07/24 12:00 PM	500GHCL	1			
	Effluent Grab 1	Aqueous	02B 05/07/24 11:59 PM	500GHCL	1			
	Influent Comp	Aqueous	05H 05/08/24 12:00 PM	500AMGU		2		
	Effluent Comp	Aqueous	06H 05/08/24 11:59 PM	500AMGU		2		

See attached target list for E615

**General Comments:**

Please analyze these samples with a Standard Turnaround Time.  
Quality Control Package Needed: Standard - SEND PDF & Excel EDD Please  
EMAIL report to both cac@dhlanalytical.com & dupont@dhlanalytical.com  
Call John DuPont if you have questions.

Date/Time		Date/Time	
Relinquished by: 	5/9/24 1700	Received by: FEDEX	5/9/24 1700
Relinquished by: FEDEX	5/9/24 1700	Received by: 	5/9/24 1700

1  
2  
3  
4  
5  
6  
7  
8  
9  
10

2 of 4

1102832 CoC Print Group 001 of 001

SEL List for E615

Rpt	T	Analyte	Synonym	MDL	PQL
<input checked="" type="checkbox"/>	A	2,4-D		0.01	0.3
<input checked="" type="checkbox"/>	A	2,4,5-TP (Silvex)		0.01	0.3

1102832 CoC Print Group 001 of 001

ORIGIN: DBSMA (512) 388-8222 JOHN DUPONT 2300 DOUBLE CREEK DRIVE ROUND ROCK, TX 78664 UNITED STATES US		SHIP DATE: 09MAY24 ACTWGT: 50.00 LB CAD: 5905539/NET4730 BILL SENDER	
TO SAMPLE RECEIVING ANA-LAB 2600 DUDLEY RD KILGORE TX 75662			
PO: (903) 884-0551 REF:		DEPT:	
TRK# 7763 1629 9528 0201		FRI - 10 MAY 10:30A PRIORITY OVERNIGHT	
AH GGA TX-US 75662 SHY			
			
Date: 5/10/2020 Time: 4:20 Temp: 1.8/1.9 C Therm#: 6443 Corr Fact: 0.1 C			

**After printing this label:**

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning:** Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on [fedex.com](http://fedex.com). FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Appendix A:		Laboratory Review Checklist: Reportable Data					
Laboratory Name: SPL Kilgore		LRC Date: 05/28/2024					
Project Name: 2405086		Laboratory Job (Project) Number: 1102832					
Reviewer Name: Bill Peery (WJP)		PrepSet: 1119325 QCgroup: 1119481					
#	A	Description	Yes	No	NA	NR	ER#
R01	OI	<b>Chain-of-Custody (C-O-C)</b>					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?				X	1
		Were all departures from standard conditions described in the exception report?	X				
R02	OI	<b>Sample and Quality Control (QC) Identification</b>					
		Are all field sample ID numbers cross referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R03	OI	<b>Test Reports</b>					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample quantitation limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		If required for the project, tentatively identified compounds reported?			X		
R04	O	<b>Surrogate Recovery Data</b>					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R05	OI	<b>Test Reports/Summary Forms for Blank Samples</b>					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were blank concentrations < MQL?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
R06	OI	<b>Laboratory Control Samples (LCS)</b>					
		Were all chemicals of concern included in the LCS?			X		
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?			X		
		Were LCSs analyzed at the required frequency?			X		
		Were LCS (and LCS duplicate, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the chemicals of concern at the MDL used to calculate the SQLs?	X				
		Was the LCS duplicate relative percent difference within QC limits?	X				
R07		<b>Matrix Spike (MS) and Matrix Spike Duplicate (MSD) data</b>					
		Were the project/method specified analytes included in the MS and MSD?			X		
		Were MS/MSD analyzed at the appropriate frequency?			X		
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R08	OI	<b>Analytical Duplicate Data</b>					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R09	OI	<b>Method Quantitation Limits (MQLs)</b>					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	<b>Other Problems/Anomalies</b>					
		Are all known problems/anomalies/special condition noted in this LRC and ER?	X				
		Were all necessary corrective actions preformed for the reported data?	X				
		Was applicable and available technology used to lower the SQL and minimize the matrix interference effects on the sample results?	X				

Appendix A:		Laboratory Review Checklist: Reportable Data					
Laboratory Name: SPL Kilgore		LRC Date: 05/28/2024					
Project Name: 2405086		Laboratory Job (Project) Number: 1102832					
Reviewer Name: Bill Peery (WJP)		PrepSet: 1119325 QCgroup: 1119481					
#	A	Description	Yes	No	NA	NR	ER#
S01	OI	<b>Initial Calibration (ICAL)</b>					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
S02	OI	<b>Initial and Continuing Calibration Verification (ICCV and CCV) and Continuing Calibration</b>					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
S03	O	<b>Mass Spectral Tuning</b>					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S04	O	<b>Internal Standards (IS)</b>					
		Were IS area counts and retention times within the method-required QC limits?			X		
S05	OI	<b>Raw Data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section . . .)</b>					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S06	O	<b>Dual Column Confirmation</b>					
		Did dual column confirmation results meet the method-required QC?			X		
S07	O	<b>Tentatively Identified Compounds (TICs)</b>					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S08	I	<b>Interference Check Sample (ICS) Results</b>					
		Were percent recoveries within method QC limits?	X				
S09	I	<b>Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions</b>					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	<b>Method Detection Limit (MDL) Studies</b>					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of detectability check samples?	X				
S11	OI	<b>Proficiency Test Reports</b>					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	<b>Standards Documentation</b>					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	IO	<b>Compound/Analyte Identification Procedures</b>					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	<b>Demonstration of Analyst Competency (DOC)</b>					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC Section 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	<b>Verification/Validation Documentation Methods (NELAC Chapter 5 or ISO/IEC Section 5)</b>					
		Are all the methods used to generate the data documented, verified and validated, where applicable?	X				
S16	OI	<b>Laboratory Standard Operating Procedures (SOPs)</b>					
		Are laboratory SOPs current and on file for each method performed?	X				

- Items identified by the letter "R" must be included on the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention
- O = organic analyses; I = ionorganic analyses (and general chemistry, when applicable);
- N/A = Not applicable;
- NR = Not reviewed
- ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A:		Laboratory Review Checklist: Reportable Data					
Laboratory Name: SPL Kilgore		LRC Date: 05/28/2024					
Project Name: 2405086		Laboratory Job (Project) Number: 1102832					
Reviewer Name: Bill Peery (WJP)		PrepSet: 1119425 QCgroup: 1119920					
#	A	Description	Yes	No	NA	NR	ER#
R01	OI	<b>Chain-of-Custody (C-O-C)</b>					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?				X	1
		Were all departures from standard conditions described in the exception report?	X				
R02	OI	<b>Sample and Quality Control (QC) Identification</b>					
		Are all field sample ID numbers cross referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R03	OI	<b>Test Reports</b>					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample quantitation limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		If required for the project, tentatively identified compounds reported?			X		
R04	O	<b>Surrogate Recovery Data</b>					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R05	OI	<b>Test Reports/Summary Forms for Blank Samples</b>					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were blank concentrations < MQL?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
R06	OI	<b>Laboratory Control Samples (LCS)</b>					
		Were all chemicals of concern included in the LCS?			X		
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?			X		
		Were LCSs analyzed at the required frequency?			X		
		Were LCS (and LCS duplicate, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the chemicals of concern at the MDL used to calculate the SQLs?	X				
		Was the LCS duplicate relative percent difference within QC limits?		X			2
R07		<b>Matrix Spike (MS) and Matrix Spike Duplicate (MSD) data</b>					
		Were the project/method specified analytes included in the MS and MSD?			X		
		Were MS/MSD analyzed at the appropriate frequency?			X		
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X		
		Were MS/MSD RPDs within laboratory QC limits?			X		
R08	OI	<b>Analytical Duplicate Data</b>					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R09	OI	<b>Method Quantitation Limits (MQLs)</b>					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	<b>Other Problems/Anomalies</b>					
		Are all known problems/anomalies/special condition noted in this LRC and ER?	X				
		Were all necessary corrective actions preformed for the reported data?	X				
		Was applicable and available technology used to lower the SQL and minimize the matrix interference effects on the sample results?	X				

Appendix A:		Laboratory Review Checklist: Reportable Data					
Laboratory Name: SPL Kilgore		LRC Date: 05/28/2024					
Project Name: 2405086		Laboratory Job (Project) Number: 1102832					
Reviewer Name: Bill Peery (WJP)		PrepSet: 1119425 QCgroup: 1119920					
#	A	Description	Yes	No	NA	NR	ER#
S01	OI	<b>Initial Calibration (ICAL)</b>					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S02	OI	<b>Initial and Continuing Calibration Verification (ICCV and CCV) and Continuing Calibration</b>					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?		X			3
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MQL?			X		
S03	O	<b>Mass Spectral Tuning</b>					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S04	O	<b>Internal Standards (IS)</b>					
		Were IS area counts and retention times within the method-required QC limits?			X		
S05	OI	<b>Raw Data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section . . .)</b>					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S06	O	<b>Dual Column Confirmation</b>					
		Did dual column confirmation results meet the method-required QC?	X				
S07	O	<b>Tentatively Identified Compounds (TICs)</b>					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S08	I	<b>Interference Check Sample (ICS) Results</b>					
		Were percent recoveries within method QC limits?			X		
S09	I	<b>Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions</b>					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	<b>Method Detection Limit (MDL) Studies</b>					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of detectability check samples?	X				
S11	OI	<b>Proficiency Test Reports</b>					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	<b>Standards Documentation</b>					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	IO	<b>Compound/Analyte Identification Procedures</b>					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	<b>Demonstration of Analyst Competency (DOC)</b>					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC Section 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	<b>Verification/Validation Documentation Methods (NELAC Chapter 5 or ISO/IEC Section 5)</b>					
		Are all the methods used to generate the data documented, verified and validated, where applicable?	X				
S16	OI	<b>Laboratory Standard Operating Procedures (SOPs)</b>					
		Are laboratory SOPs current and on file for each method performed?	X				

- Items identified by the letter "R" must be included on the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention
- O = organic analyses; I = ionorganic analyses (and general chemistry, when applicable);
- N/A = Not applicable;
- NR = Not reviewed
- ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

<b>Appendix A: (cont'd):                      Laboratory Review Checklist: Exception Reports</b>	
Laboratory Name:                      SPL Kilgore	LRC Date:                                      05/28/2024
Project Name:                              2405086	Laboratory Job (Project) Number:                                      1102832
Reviewer Name:                              Bill Peery (WJP)	PrepSet:                      1119325      QCgroup:                      1119481
<b>ER#</b>	<b>Description</b>
1	Bottles were reviewed at login. Please see the chain of custody record for sample receipt details.

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A: (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: SPL Kilgore	LRC Date: 05/28/2024
Project Name: 2405086	Laboratory Job (Project) Number: 1102832
Reviewer Name: Bill Peery (WJP)	PrepSet: 1119425 QCgroup: 1119920
ER#	Description
1	Bottles were reviewed at login. Please see the chain of custody record for sample receipt details.
2	The following LCSD constituents have RPDs outside of laboratory QC limits: 2,4 Dichlorophenoxyacetic acid
3	The following CCV constituents have recoveries outside of laboratory QC limits: 2,4 Dichlorophenoxyacetic acid, 2,4,5-TP (Silvex), 2,4,5-TP (Silvex)

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Brushy West #10264-001, TX0075167  
Month Of April-24

Date	Total Effluent	TwoHR_P eak Flow GPM	Annual Average	DO mg/l	pH S. U.	Cl mg/l	Dechlor	EFFLUENT																Effluent				
	TSS							NH3				Cbod				Total Phosphorus			Nitrate Nitrogen				Ecoli					
	mg/l							< or >	LBS	7d avg	mg/l	< or >	LBS	7d avg	mg/l	< or >	LBS	7d avg	mg/l	< or >	LBS	mg/l	< or >	LBS	7d avg	CFU/100ml	< or >	
4/1/2024	1.00	2491.20		7.77	6.99	UV	UV	2.5	<	20.933		0.672		5.627		1.71		47.12		0.5	<	4.187	4		33.493		3.1	
4/2/2024	1.23	2563.20		7.61	6.99	UV	UV																				4.1	
4/3/2024	1.83	2692.80		7.68	6.87	UV	UV	2.5		38.135		0.079		1.205		2.94		18.38		0.5	<	7.627	10.9		166.267		12.2	
4/4/2024	1.79	1771.20		7.62	7.05	UV	UV																				9.7	
4/5/2024	2.11	1670.40		7.83	7.14	UV	UV																				1.0	
4/6/2024	1.66	2318.40		7.86	6.90	UV	UV																				4.1	
4/7/2024	1.17	2289.60		8.07	7.29	UV	UV																				5.2	
4/8/2024	2.10	3009.60		8.56	7.07	UV	UV	2.5	<	43.827		0.659		11.553		1.16		202.53		0.5	<	8.765	10.8		189.331		10.8	
4/9/2024	2.06	2923.20		8.18	6.94	UV	UV																				5.2	
4/10/2024	1.87	2908.80		8.26	7.14	UV	UV	2.5	<	39.052		0.072		1.125		1.20		17.57		0.5	<	7.810	10.9		170.267		8.5	
4/11/2024	1.52	2908.80		8.07	7.26	UV	UV																				6.3	
4/12/2024	1.93	2635.20		7.93	6.97	UV	UV																				5.0	
4/13/2024	2.20	2620.80		7.36	7.05	UV	UV																				8.5	
4/14/2024	1.99	2577.60		7.29	7.02	UV	UV																				2.0	
4/15/2024	1.21	2620.80		7.21	7.01	UV	UV	2.5	<	25.229		0.173		1.746		1.25		17.62		0.5	<	5.046	11.2		113.024		1.0	
4/16/2024	1.85	2016.00		8.30	7.59	UV	UV																				4.1	
4/17/2024	1.85	2476.80		8.14	7.60	UV	UV	2.5	<	38.489		0.218		3.356		1.62		51.67		0.5	<	7.698	12.1		186.287		4.1	
4/18/2024	1.95	1785.60		8.13	7.47	UV	UV																				10.8	
4/19/2024	1.08	2332.80		7.90	7.17	UV	UV																				3.1	
4/20/2024	1.83	2433.60		8.05	7.08	UV	UV																				3.0	
4/21/2024	1.83	2563.20		7.51	7.18	UV	UV																				10.9	
4/22/2024	1.83	2577.60		7.93	7.10	UV	UV	2.5	<	38.197		0.17		2.597		1.60		39.69		0.50	<	7.639	1.75		26.738		7.3	
4/23/2024	1.75	2347.20		8.00	6.95	UV	UV																				10.7	
4/24/2024	1.87	2505.60		7.77	6.87	UV	UV	2.5	<	39.073		0.169		2.641		1.25		41.28		0.5	<	7.815	14.2		221.934		9.7	
4/25/2024	1.92	2563.20		7.82	7.09	UV	UV																				5.2	
4/26/2024	1.92	2376.00		7.93	7.16	UV	UV																				4.1	
4/27/2024	1.78	2635.20		7.76	6.87	UV	UV																				8.4	
4/28/2024	2.22	2649.60		7.86	7.28	UV	UV																				4.1	
4/29/2024	1.91	2736.00		7.89	7.10	UV	UV	2.5	<	39.803		0.179		2.850		1.49		45.37		0.5	<	7.961	10.9		173.540		1.0	
4/30/2024	1.99	2448.00	1.60	7.92	7.11	UV	UV																				3.1	<
Total	53.257			236.21	213.31	0.00	0	22.5		322.737		2.391		32.7		14.22		481.223		4.5		64.5474	86.75		1280.88		8.5	
AVG	1.77523	2481.60	1.6	7.87367	7.11033	0	0	2.5	#DIV/0!	35.8597		0.26567		3.63334		1.58		53.4692		0.5		7.17194	9.63889		142.32		4.79	
MAX	2.217	3009.60		8.56	7.6	0.00	0	2.5		43.8267		0.672		11.5527		2.94		202.527		0.5		8.76534	14.2		221.934		12.2	
MIN	1.004			7.21	6.87	0.00	0	2.5		20.9334		0.072		1.1247		1.16		17.5687		0.5		4.18668	1.75		26.738		1	



CITY OF ROUND ROCK  
ENVIRONMENTAL SERVICES LABORATORY  
GENERAL CHEMISTRY CHAIN OF CUSTODY RECORD

5200 N. IH-35 Round Rock, Texas 78664, Phone:(512)218-5559, Fax:(512)341-3316

UT:	CORR WWTP West Plant			SUBMISSION DATE:	4-24-24	PG. ____ OF ____
RESS:	1114 East Austin Ave			LOCATION NAME:	West Plant Outfall 001	
	Round Rock	STATE:	TX	ZIP:	78664	
VE:	(512) 534-8916			COLLECTOR NAME:	David Bennett	
	FAX:			Phone Number:		
A REPORTED TO:				MATRIX:	Non-potable Water	

CORRESL LAB ID	FIELD SAMPLE ID/ SAMPLE LOCATION	SAMPLE TYPE <sup>1</sup>	COLLECTION		CONTAINER TYPE <sup>2</sup>	Number of bottles	PRESERVATION: <sup>3</sup>		REQUESTED ANALYSES: <sup>4</sup>				
			DATE	TIME			ICE	None	cBOD	TSS	NH <sub>3</sub>	TP	TDS
1-09142	West Plant Outfall 001	C G	4-25-24	11:55pm	P G	1	X		X	X			
↓	West Plant Outfall 001	C G	4-25-24	11:56pm	P G	1	X				X	X	
-09143	West Plant Influent 001	C G	4-25-24	11:55pm	P G	1	X		X	X			
↓	West Plant Influent 001	C G	4-25-24	11:55pm	P G	1	X				X	X	

ction - To be filled out by City of Round Rock Environmental Services ONLY

Date/Time of Analysis	Analyst	Blank	LCS	Precision	Qualifiers	Result in mg/L	Reviewer/Date

ents:

C=composite, G=grab. 2: P=polyethylene or PTFE plastic, G= Glass. 3: Indicate preservation type by marking "X" in preservation type column. 4: Indicate request for test by marking "X" in correct parameter column.

ED BY: (Signature)	Date/Time	RECEIVED BY: (Signature)
	4-24-24	
QUISHED BY: (Signature)	Date/Time	RECEIVED BY: (Signature)
	4:30 24/10:00 1018	
QUISHED BY: (Signature)	Date/Time	RECEIVED BY: (Signature)

LABORATORY USE ONLY:

Preservation Check:

Observed Temp. (°C): 6.8 Derived (°C): 6.8

Thermometer ID: B Correction: 0

Custody Seals: ☐ Broken ☐ Intact ☒ Not Used

Delivery: ☒ Hand Delivered ☐ Courier ☐ Shipped



CITY OF ROUND ROCK  
ENVIRONMENTAL SERVICES LABORATORY  
GENERAL CHEMISTRY CHAIN OF CUSTODY RECORD

5200 N. IH-35 Round Rock, Texas 78664, Phone:(512)218-5559, Fax:(512)341-3316

TO: CORR WWTP West Plant	SUBMISSION DATE: 4-25-24 PG. 01 OF 1
FROM: 1114 East Austin Ave	LOCATION NAME: West Plant Outfall 001
ROUND ROCK STATE: TX ZIP: 78664	COLLECTOR NAME: Dan V.
PHONE: (512) 534-8916 FAX:	Phone Number:
REPORTED TO:	MATRIX: Non-potable Water

IRRESL AB ID	FIELD SAMPLE ID/ SAMPLE LOCATION	SAMPLE TYPE <sup>1</sup>	COLLECTION		CONTAINER TYPE <sup>2</sup>	Number of bottles	PRESERVATION: <sup>3</sup>		REQUESTED ANALYSES: <sup>4</sup>				
			DATE	TIME			ICE	None	cBOD	TSS	NH <sub>3</sub>	TP	TDS
09131	West Plant Outfall 001	B G	4-24-24	01:23:59	B G	1	X		X	X			
↓	West Plant Outfall 001	B G	4-24-24	01:23:59	B G	1	X				X	X	
09132	West Plant Influent 001	B G	4-24-24	01:23:59	B G	1	X		X	X			
↓	West Plant Influent 001	B G	4-24-24	01:23:59	B G	1	X				X	X	

on - To be filled out by City of Round Rock Environmental Services ONLY

Date/Time of Analysis	Analyst	Blank	LCS	Precision	Qualifiers	Result in mg/L	Reviewer/Date
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15:

1: composite, G=grab. 2: P=polyethylene or PTFE plastic, G= Glass. 3: Indicate preservation type by marking "X" in correct parameter column. 4: Indicate request for test by marking "X" in correct parameter column.

ANALYST: (Signature) Date/Time: 4-25-24/8:49 RECEIVED BY: (Signature)

PREPARED BY: (Signature) Date/Time: 4-25-24/9:14 0930 RECEIVED BY: (Signature)

SHIPPED BY: (Signature) Date/Time: RECEIVED BY: (Signature)

LABORATORY USE ONLY:

Preservation Check:

Observed Temp. (°C): 5.7 Derived (°C): 5.7

Thermometer ID: B Correction: 0

Custody Seals: ☒ Broken ☐ Intact ☒ Not Used

Delivery: ☒ Hand Delivered ☐ Courier ☐ Shipped



CITY OF ROUND ROCK  
ENVIRONMENTAL SERVICES LABORATORY  
GENERAL CHEMISTRY CHAIN OF CUSTODY RECORD

5200 N. IH-35 Round Rock, Texas 78664, Phone:(512)218-5559, Fax:(512)341-3316

TO: CORR WWTP West Plant	SUBMISSION DATE: 4-25-24 PG. 01 OF 1
FROM: 1114 East Austin Ave	LOCATION NAME: West Plant Outfall 001
Address: Round Rock STATE: TX ZIP: 78664	COLLECTOR NAME: Dan V.
Phone: (512) 534-8916 FAX:	Phone Number:
REPORTED TO:	MATRIX: Non-potable Water

IRRESL AB ID	FIELD SAMPLE ID/ SAMPLE LOCATION	SAMPLE TYPE <sup>1</sup>	COLLECTION		CONTAINER TYPE <sup>2</sup>	Number of bottles	PRESERVATION: <sup>3</sup>		REQUESTED ANALYSES: <sup>4</sup>				
			DATE	TIME			ICE	None	cBOD	TSS	NH <sub>3</sub>	TP	TDS
09131	West Plant Outfall 001	B G	4-24-24	01:23:59	B G	1	X		X	X			
↓	West Plant Outfall 001	B G	4-24-24	01:23:59	B G	1	X				X	X	
09132	West Plant Influent 001	B G	4-24-24	01:23:59	B G	1	X		X	X			
↓	West Plant Influent 001	B G	4-24-24	01:23:59	B G	1	X				X	X	

on - To be filled out by City of Round Rock Environmental Services ONLY

Date/Time of Analysis	Analyst	Blank	LCS	Precision	Qualifiers	Result in mg/L	Reviewer/Date
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1: Composite, G=grab. 2: P=polyethylene or PTFE plastic, G= Glass. 3: Indicate preservation type by marking "X" in preservation type column. 4: Indicate request for test by marking "X" in correct parameter column.

BY: (Signature)	Date/Time	RECEIVED BY: (Signature)	LABORATORY USE ONLY: Preservation Check: Observed Temp. (°C): 5.7 Derived (°C): 5.7 Thermometer ID: B Correction: D Custody Seals: <input checked="" type="checkbox"/> Broken <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Not Used Delivery: <input checked="" type="checkbox"/> Hand Delivered <input type="checkbox"/> Courier <input type="checkbox"/> Shipped
BY: (Signature)	Date/Time	RECEIVED BY: (Signature)	
SHED BY: (Signature)	Date/Time	RECEIVED BY: (Signature)	



CITY OF ROUND ROCK  
ENVIRONMENTAL SERVICES LABORATORY  
GENERAL CHEMISTRY CHAIN OF CUSTODY RECORD

5200 N. IH-35 Round Rock, Texas 78664, Phone:(512)218-5559, Fax:(512)341-3316

CORR WWTP West Plant				SUBMISSION DATE: <u>4.23.24</u> PG. <u>1</u> OF <u>1</u>	
1114 East Austin Ave				LOCATION NAME: <u>West Plant Outfall 001</u>	
Round Rock		STATE: <u>TX</u>	ZIP: <u>78664</u>	COLLECTOR NAME: <u>LOWE</u>	
(512) 534-8916		FAX: _____		Phone Number: _____	
REPORTED TO: _____				MATRIX: <u>Non-potable Water</u>	

IRRESL AB ID	FIELD SAMPLE ID/ SAMPLE LOCATION	SAMPLE TYPE <sup>1</sup>	COLLECTION		CONTAINER TYPE <sup>2</sup>	Number of bottles	PRESERVATION: <sup>3</sup>		REQUESTED ANALYSES: <sup>4</sup>				
			DATE	TIME			ICE	None	cBOD	TSS	NH <sub>3</sub>	TP	TDS
09116	West Plant Outfall 001	C G	4.22.24	0123:57	B G	1	X		X	X			
↓	West Plant Outfall 001	C G	4.22.24	0123:57	P G	1	X				X	X	
09117	West Plant Influent 001	C G	4.22.24	0123:57	B G	1	X		X	X			
↓	West Plant Influent 001	C G	4.22.24	0123:57	B G	1	X				X	X	

on - To be filled out by City of Round Rock Environmental Services ONLY

Date/Time of Analysis	Analyst	Blank	ICS	Precision	Qualifiers	Result in mg/L	Reviewer/Date
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TS:

Composite, G=grab. 2: P=polyethylene or PTFE plastic, G=Glass. 3: Indicate preservation type by marking "X" in preservation type column. 4: Indicate request for test by marking "X" in correct parameter column.

BY: (Signature)	Date/Time	RECEIVED BY: (Signature)
	4.23.24/9.20	
SHED BY: (Signature)	Date/Time	RECEIVED BY: (Signature)
	4.23.24/10.00	1011
ISHED BY: (Signature)	Date/Time	RECEIVED BY: (Signature)

LABORATORY USE ONLY:

Preservation Check:

Observed Temp. (°C): 9.2 Derived (°C): 9.2

Thermometer ID: B Correction: 0

Custody Seals: ☐ Broken ☐ Intact ☒ Not Used

Delivery: ☒ Hand Delivered ☐ Courier ☐ Shipped



CITY OF ROUND ROCK  
ENVIRONMENTAL SERVICES LABORATORY  
GENERAL CHEMISTRY CHAIN OF CUSTODY RECORD

5200 N. IH-35 Round Rock, Texas 78664, Phone:(512)218-5559, Fax:(512)341-3316

SS:	CORR WWTP West Plant	SUBMISSION DATE:	4-18-24 PG. 1 OF 1
	1114 East Austin Ave	LOCATION NAME:	West Plant Outfall 001
	Round Rock STATE: TX ZIP: 78664	COLLECTOR NAME:	Ron V.
	(512) 534-8916 FAX:	Phone Number:	
REPORTED TO:		MATRIX:	Non-potable Water

RESL AB ID	FIELD SAMPLE ID/ SAMPLE LOCATION	SAMPLE TYPE <sup>1</sup>	COLLECTION		CONTAINER TYPE <sup>2</sup>	Number of bottles	PRESERVATION: <sup>3</sup>		REQUESTED ANALYSES: <sup>4</sup>				
			DATE	TIME			ICE	None	cBOD	TSS	NH <sub>3</sub>	TP	TDS
19106	West Plant Outfall 001	G G	4-17-24	0123:57	B G	1	X		X	X			
↓	West Plant Outfall 001	G G	4-17-24	0123:59	B G	1	X				X	X	
19107	West Plant Influent 001	G G	4-17-24	0123:59	B G	1	X		X	X			
↓	West Plant Influent 001	G G	4-17-24	0123:58	B G	1	X				X	X	

n - To be filled out by City of Round Rock Environmental Services ONLY

Date/Time of Analysis	Analyst	Blank	LCS	Precision	Qualifiers	Result in mg/L	Reviewer/Date
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composite, G=grab. 2: P=polyethylene or PTFE plastic, G= Glass. 3: Indicate preservation type by marking "X"  
ation type column. 4: Indicate request for test by marking "X" in correct parameter column.

BY: (Signature) Date/Time RECEIVED BY: (Signature)

SHED BY: (Signature) Date/Time RECEIVED BY: (Signature)

SHED BY: (Signature) Date/Time RECEIVED BY: (Signature)

LABORATORY USE ONLY:

Preservation Check:

Observed Temp. (°C): 5.3 Derived (°C): 5.3

Thermometer ID: B Correction: 0

Custody Seals: ☐ Broken ☐ Intact ☒ Not Used

Delivery: ☒ Hand Delivered ☐ Courier ☐ Shipped



CITY OF ROUND ROCK  
ENVIRONMENTAL SERVICES LABORATORY  
GENERAL CHEMISTRY CHAIN OF CUSTODY RECORD

5200 N. IH-35 Round Rock, Texas 78664, Phone:(512)218-5559, Fax:(512)341-3316

NT:	CORR WWTP West Plant			SUBMISSION DATE:	4-16-24 PG. 1 of 1
RESS:	1114 East Austin Ave			LOCATION NAME:	West Plant Outfall 001
:	Round Rock	STATE:	TX	ZIP:	78664
NE:	(512) 534-8916	FAX:			
A REPORTED TO:				MATRIX:	Non-potable Water

CORRESL LAB ID	FIELD SAMPLE ID/ SAMPLE LOCATION	SAMPLE TYPE <sup>1</sup>	COLLECTION		CONTAINER TYPE <sup>2</sup>	Number of bottles	PRESERVATION: <sup>3</sup>		REQUESTED ANALYSES: <sup>4</sup>				
			DATE	TIME			ICE	None	cBOD	TSS	NH <sub>3</sub>	TP	TDS
-09091	West Plant Outfall 001	⓪ G	4-15-24	0123:59	⓪ G	1	X		X	X			
↓	West Plant Outfall 001	⓪ G	4-15-24	0123:59	⓪ G	1	X				X	X	
-09092	West Plant Influent 001	⓪ G	4-15-24	0123:59	⓪ G	1	X		X	X			
↓	West Plant Influent 001	⓪ G	4-15-24	0123:59	⓪ G	1	X				X	X	

ction - To be filled out by City of Round Rock Environmental Services ONLY

Date/Time of Analysis	Analyst	Blank	LCS	Precision	Qualifiers	Result in mg/L	Reviewer/Date
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D

ents

C=composite, G=grab. 2: P=polyethylene or PTFE plastic, G= Glass. 3: Indicate preservation type by marking "X" in correct parameter column. 4: Indicate request for test by marking "X" in correct parameter column.

LED BY: (Signature)	Date/Time	RECEIVED BY: (Signature)
	4-16-24	
QUISHED BY: (Signature)	Date/Time	RECEIVED BY: (Signature)
	4-16-24/10:18	
QUISHED BY: (Signature)	Date/Time	RECEIVED BY: (Signature)

LABORATORY USE ONLY:

Preservation Check:

Observed Temp. (°C): 5.3 Derived (°C): 5.3

Thermometer ID: B Correction: 0

Custody Seals: ☐ Broken ☐ Intact ☒ Not Used

Delivery: ☒ Hand Delivered ☐ Courier ☐ Shipped



: CORR WWTP West Plant :SS: 1114 East Austin Ave Round Rock STATE: TX ZIP: 78664 : (512) 534-8916 FAX: REPORTED TO:	SUBMISSION DATE: 7.11.24 PG. 1 OF 1 LOCATION NAME: West Plant Outfall 001 COLLECTOR NAME: TOLU Phone Number: MATRIX: Non-potable Water
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IRRESL AB ID	FIELD SAMPLE ID/ SAMPLE LOCATION	SAMPLE TYPE <sup>1</sup>	COLLECTION		CONTAINER TYPE <sup>2</sup>	Number of bottles	PRESERVATION: <sup>3</sup>		REQUESTED ANALYSES: <sup>4</sup>				
			DATE	TIME			ICE	None	cBOD	TSS	NH <sub>3</sub>	TP	TDS
09080	West Plant Outfall 001	C G	4-10-24	0123:59	P G	1	X		X	X			
↓	West Plant Outfall 001	C G	4-10-24	0123:59	P G	1	X				X	X	
09081	West Plant Influent 001	C G	4-10-24	0123:59	P G	1	X		X	X			
↓	West Plant Influent 001	C G	4-10-24	0123:59	P G	1	X				X	X	

Reviewer/Date

RECEIVED BY: (Signature)

Delivery: ☒ Hand Delivered ☐ Courier ☐ Shipped



CITY OF ROUND ROCK  
ENVIRONMENTAL SERVICES LABORATORY  
GENERAL CHEMISTRY CHAIN OF CUSTODY RECORD

5200 N. IH-35 Round Rock, Texas 78664, Phone:(512)218-5559, Fax:(512)341-3316

SS:	CORR WWTP West Plant	SUBMISSION DATE:	4-9-24 PG. 1 OF 1
	1114 East Austin Ave	LOCATION NAME:	West Plant Outfall 001
	Round Rock STATE: TX ZIP: 78664	COLLECTOR NAME:	Tom V.
	(512) 534-8916 FAX:	Phone Number:	
REPORTED TO:		MATRIX:	Non-potable Water

IRRESL AB ID	FIELD SAMPLE ID/ SAMPLE LOCATION	SAMPLE TYPE <sup>1</sup>	COLLECTION		CONTAINER TYPE <sup>2</sup>	Number of bottles	PRESERVATION: <sup>3</sup>		REQUESTED ANALYSES: <sup>4</sup>				
			DATE	TIME			ICE	None	cBOD	TSS	NH <sub>3</sub>	TP	TDS
09063	West Plant Outfall 001	⊙ G	4-8-24	0123:59	⊙ G	1	X		X	X			
↓	West Plant Outfall 001	⊙ G	4-8-24	0123:59	⊙ G	1	X				X	X	
09064	West Plant Influent 001	⊙ G	4-8-24	0123:59	⊙ G	1	X		X	X			
↓	West Plant Influent 001	⊙ G	4-8-24	0123:5	⊙ G	1	X				X	X	

on - To be filled out by City of Round Rock Environmental Services ONLY

Date/Time of Analysis Analyst Blank LCS Precision Qualifiers Result in mg/L Reviewer/Date

IS:

composite, G=grab. 2: P=polyethylene or PTFE plastic, G= Glass. 3: Indicate preservation type by marking "X" in correct parameter column. 4: Indicate request for test by marking "X" in correct parameter column.

SHED BY: (Signature) Date/Time RECEIVED BY: (Signature)

SHED BY: (Signature) Date/Time RECEIVED BY: (Signature)

SHED BY: (Signature) Date/Time RECEIVED BY: (Signature)

LABORATORY USE ONLY:

Preservation Check:

Observed Temp. (°C): 6.0 Derived (°C): 6.0

Thermometer ID: B Correction: 0

Custody Seals: ☐ Broken ☐ Intact ☒ Not Used

Delivery: ☒ Hand Delivered ☐ Courier ☐ Shipped



CITY OF ROUND ROCK  
ENVIRONMENTAL SERVICES LABORATORY  
GENERAL CHEMISTRY CHAIN OF CUSTODY RECORD

5200 N. IH-35 Round Rock, Texas 78664, Phone:(512)218-5559, Fax:(512)341-3316

IT:	CORR WWTP West Plant	SUBMISSION DATE:	4.4.24 PG. 1 OF 1
ISS:	1114 East Austin Ave	LOCATION NAME:	West Plant Outfall 001
IE:	Round Rock STATE: TX ZIP: 78664	COLLECTOR NAME:	Tom V.
	(512) 534-8916 FAX:	Phone Number:	
REPORTED TO:		MATRIX:	Non-potable Water

ORRESL LAB ID	FIELD SAMPLE ID/ SAMPLE LOCATION	SAMPLE TYPE <sup>1</sup>	COLLECTION		CONTAINER TYPE <sup>2</sup>	Number of bottles	PRESERVATION: <sup>3</sup>		REQUESTED ANALYSES: <sup>4</sup>				
			DATE	TIME			ICE	None	cBOD	TSS	NH <sub>3</sub>	TP	TDS
-09053	West Plant Outfall 001	G	4.3.24	0123:57	G	1	X		X	X			
↓	West Plant Outfall 001	G	4.3.24	0123:57	G	1	X				X	X	
-09054	West Plant Influent 001	G	4.3.24	0123:57	G	1	X		X	X			
↓	West Plant Influent 001	G	4.3.24	0123:57	G	1	X				X	X	

Note - To be filled out by City of Round Rock Environmental Services ONLY

Date/Time of Analysis	Analyst	Blank	TCS	Precision	Qualifiers	Result in mg/L	Reviewer/Date
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nts:

Composite, G=grab. 2: P=polyethylene or PTFE plastic, G= Glass. 3: Indicate preservation type by marking "X" in preservation type column. 4: Indicate request for test by marking "X" in correct parameter column.

PREPARED BY: (Signature)	Date/Time	RECEIVED BY: (Signature)
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ANALYZED BY: (Signature)	Date/Time	RECEIVED BY: (Signature)
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SHIPPED BY: (Signature)	Date/Time	RECEIVED BY: (Signature)
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LABORATORY USE ONLY:

Preservation Check:

Observed Temp. (°C): 8.9 Derived (°C): 8.9

Thermometer ID: B Correction: 0

Custody Seals: ☐ Broken ☐ Intact ☒ Not Used

Delivery: ☒ Hand Delivered ☐ Courier ☐ Shipped



July 31, 2024

Ryan Bornn  
CITY OF ROUND ROCK  
3400 Sunrise Rd.  
ROUND ROCK, Texas 78665  
TEL: (512) 218-5561  
FAX:  
RE: West Plant Outfall

Order No.: 2407240

Dear Ryan Bornn:

DHL Analytical, Inc. received 1 sample(s) on 7/24/2024 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative and all estimated uncertainties of results are within method specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in red ink, appearing to read "John DuPont".

John DuPont  
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification  
Number: T104704211 - TX-C24-00120



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**WorkOrderSampleSummary 2407240 ..... 6**

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**AnalyticalQCSummaryReport 2407240 ..... 8**



## Sample Receipt Checklist

Client Name: CITY OF ROUND ROCK

Date Received: 7/24/2024

Work Order Number: 2407240

Received by: KAO

Checklist completed by:

  
Signature

7/24/2024

Date

Reviewed by:

  
Initials

7/24/2024

Date

Carrier name: Hand Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/> NA <input type="checkbox"/>
Water - pH<2 acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____	Checked by _____	
Water - pH>9 (S) or pH>10 (CN) acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____	Checked by _____	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Cooler #	1		
Temp °C	0.8		
Seal Intact	NP		

Any No response must be detailed in the comments section below.

Client contacted: \_\_\_\_\_

Date contacted: \_\_\_\_\_

Person contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Regarding: \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action: \_\_\_\_\_

**CLIENT:** CITY OF ROUND ROCK**Project:** West Plant Outfall**Lab Order:** 2407240**CASE NARRATIVE**

---

Samples were analyzed using the methods outlined in the following references:

E300 and Standard Methods.

All method blanks, sample duplicates, laboratory spikes, and/or matrix spikes met quality assurance objectives except where noted in the following. For Anions analysis by method E300 the matrix spike and matrix spike duplicate recoveries (2407233-03 MS/MSD) were slightly above control limits for Nitrate-N. This was due to matrix effect. These are flagged accordingly in the enclosed QC summary report. The "S" flag denotes spike recovery was outside control limits. The LCS was within control limits for this analyte. No further corrective actions were taken.

**CLIENT:** CITY OF ROUND ROCK  
**Project:** West Plant Outfall  
**Lab Order:** 2407240

**Work Order Sample Summary**

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2407240-01	West Plant Outfall		07/23/24 11:59 PM	07/24/2024

**DHL Analytical, Inc.**

Date: 31-Jul-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** West Plant Outfall  
**Project No:**  
**Lab Order:** 2407240

**Client Sample ID:** West Plant Outfall  
**Lab ID:** 2407240-01  
**Collection Date:** 07/23/24 11:59 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>ANIONS BY IC METHOD - WATER</b>		<b>E300</b>					Analyst: <b>KES</b>
Chloride	211	3.00	10.0		mg/L	10	07/24/24 10:16 PM
Nitrate-N	12.6	0.100	0.500		mg/L	1	07/24/24 08:46 PM
Sulfate	47.4	1.00	3.00		mg/L	1	07/24/24 08:46 PM
<b>ALKALINITY</b>		<b>M2320 B</b>					Analyst: <b>KES</b>
Alkalinity, Bicarbonate (As CaCO3)	128	10.0	20.0		mg/L @ pH 4.53	1	07/29/24 01:17 PM
Alkalinity, Carbonate (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.53	1	07/29/24 01:17 PM
Alkalinity, Hydroxide (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.53	1	07/29/24 01:17 PM
Alkalinity, Total (As CaCO3)	128	10.0	20.0		mg/L @ pH 4.53	1	07/29/24 01:17 PM
<b>TOTAL DISSOLVED SOLIDS</b>		<b>M2540C</b>					Analyst: <b>KER</b>
Total Dissolved Solids (Residue, Filterable)	625	10.0	10.0		mg/L	1	07/25/24 04:20 PM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

CLIENT: CITY OF ROUND ROCK

Work Order: 2407240

Project: West Plant Outfall

## ANALYTICAL QC SUMMARY REPORT

RunID: IC2\_240724D

The QC data in batch 116389 applies to the following samples: 2407240-01A

Sample ID: <b>MB-116389</b>	Batch ID: <b>116389</b>	TestNo: <b>E300</b>	Units: <b>mg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>IC2_240724D</b>	Analysis Date: <b>7/24/2024 10:52:39 AM</b>	Prep Date: <b>7/24/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	<0.300	1.00
Nitrate-N	<0.100	0.500
Sulfate	<1.00	3.00

Sample ID: <b>LCS-116389</b>	Batch ID: <b>116389</b>	TestNo: <b>E300</b>	Units: <b>mg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>IC2_240724D</b>	Analysis Date: <b>7/24/2024 11:10:39 AM</b>	Prep Date: <b>7/24/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	10.1	1.00	10.00	0	101	90	110
Nitrate-N	5.12	0.500	5.000	0	102	90	110
Sulfate	30.4	3.00	30.00	0	101	90	110

Sample ID: <b>LCSD-116389</b>	Batch ID: <b>116389</b>	TestNo: <b>E300</b>	Units: <b>mg/L</b>							
SampType: <b>LCSD</b>	Run ID: <b>IC2_240724D</b>	Analysis Date: <b>7/24/2024 11:28:39 AM</b>	Prep Date: <b>7/24/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	10.1	1.00	10.00	0	101	90	110	0.035	20
Nitrate-N	5.12	0.500	5.000	0	102	90	110	0.004	20
Sulfate	30.6	3.00	30.00	0	102	90	110	0.627	20

Sample ID: <b>2407233-03EMS</b>	Batch ID: <b>116389</b>	TestNo: <b>E300</b>	Units: <b>mg/L</b>							
SampType: <b>MS</b>	Run ID: <b>IC2_240724D</b>	Analysis Date: <b>7/24/2024 9:40:40 PM</b>	Prep Date: <b>7/24/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	3390	100	2000	1313	104	90	110			
Nitrate-N	521	50.0	451.6	0	115	90	110			S
Sulfate	2780	300	2000	610.6	108	90	110			

Sample ID: <b>2407233-03EMSD</b>	Batch ID: <b>116389</b>	TestNo: <b>E300</b>	Units: <b>mg/L</b>							
SampType: <b>MSD</b>	Run ID: <b>IC2_240724D</b>	Analysis Date: <b>7/24/2024 9:58:40 PM</b>	Prep Date: <b>7/24/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	3420	100	2000	1313	105	90	110	0.832	20	
Nitrate-N	526	50.0	451.6	0	116	90	110	0.977	20	S
Sulfate	2800	300	2000	610.6	109	90	110	0.795	20	

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2407240  
**Project:** West Plant Outfall

## ANALYTICAL QC SUMMARY REPORT

**RunID:** IC2\_240724D

Sample ID: <b>2407240-01AMS</b>	Batch ID: <b>116389</b>	TestNo: <b>E300</b>				Units: <b>mg/L</b>				
SampType: <b>MS</b>	Run ID: <b>IC2_240724D</b>	Analysis Date: <b>7/24/2024 10:34:40 PM</b>				Prep Date: <b>7/24/2024</b>				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	399	10.0	200.0	210.7	94.3	90	110			
Nitrate-N	60.6	5.00	45.16	11.80	108	90	110			
Sulfate	248	30.0	200.0	47.39	100	90	110			

Sample ID: 2407240-01AMSD	Batch ID: 116389	TestNo: E300				Units: mg/L				
SampType: MSD	Run ID: IC2_240724D	Analysis Date: 7/24/2024 10:52:41 PM				Prep Date: 7/24/2024				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	399	10.0	200.0	210.7	93.9	90	110	0.178	20	
Nitrate-N	60.6	5.00	45.16	11.80	108	90	110	0.029	20	
Sulfate	249	30.0	200.0	47.39	101	90	110	0.410	20	

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

CLIENT: CITY OF ROUND ROCK

Work Order: 2407240

Project: West Plant Outfall

## ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR\_240729A

The QC data in batch 116448 applies to the following samples: 2407240-01A

Sample ID: <b>MB-116448</b>	Batch ID: <b>116448</b>	TestNo: <b>M2320 B</b>	Units: <b>mg/L @ pH 4.49</b>							
SampType: <b>MBLK</b>	Run ID: <b>TITRATOR_240729A</b>	Analysis Date: <b>7/29/2024 10:10:00 AM</b>	Prep Date: <b>7/29/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Alkalinity, Bicarbonate (As CaCO3) <10.0 20.0

Alkalinity, Carbonate (As CaCO3) <10.0 20.0

Alkalinity, Hydroxide (As CaCO3) <10.0 20.0

Alkalinity, Total (As CaCO3) <10.0 20.0

Sample ID: <b>LCS-116448</b>	Batch ID: <b>116448</b>	TestNo: <b>M2320 B</b>	Units: <b>mg/L @ pH 4.51</b>							
SampType: <b>LCS</b>	Run ID: <b>TITRATOR_240729A</b>	Analysis Date: <b>7/29/2024 10:16:00 AM</b>	Prep Date: <b>7/29/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Alkalinity, Total (As CaCO3) 50.5 20.0 50.00 0 101 74 129

Sample ID: <b>LCSD-116448</b>	Batch ID: <b>116448</b>	TestNo: <b>M2320 B</b>	Units: <b>mg/L @ pH 4.5</b>							
SampType: <b>LCSD</b>	Run ID: <b>TITRATOR_240729A</b>	Analysis Date: <b>7/29/2024 10:21:00 AM</b>	Prep Date: <b>7/29/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Alkalinity, Total (As CaCO3) 50.6 20.0 50.00 0 101 74 129 0.316 20

Sample ID: 2407221-03B-DUP	Batch ID: 116448	TestNo: M2320 B	Units: mg/L @ pH 4.52							
SampType: DUP	Run ID: TITRATOR_240729A	Analysis Date: 7/29/2024 12:31:00 PM	Prep Date: 7/29/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Alkalinity, Bicarbonate (As CaCO3) 65.8 20.0 0 66.50 1.06 20

Alkalinity, Carbonate (As CaCO3) <10.0 20.0 0 0 0 20

Alkalinity, Hydroxide (As CaCO3) <10.0 20.0 0 0 0 20

Alkalinity, Total (As CaCO3) 65.8 20.0 0 66.50 1.06 20

Sample ID: <b>2407241-03B-DUP</b>	Batch ID: <b>116448</b>	TestNo: <b>M2320 B</b>	Units: <b>mg/L @ pH 4.52</b>							
SampType: <b>DUP</b>	Run ID: <b>TITRATOR_240729A</b>	Analysis Date: <b>7/29/2024 12:59:00 PM</b>	Prep Date: <b>7/29/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Alkalinity, Bicarbonate (As CaCO3) 29.7 20.0 0 28.50 4.12 20

Alkalinity, Carbonate (As CaCO3) <10.0 20.0 0 0 0 20

Alkalinity, Hydroxide (As CaCO3) <10.0 20.0 0 0 0 20

Alkalinity, Total (As CaCO3) 29.7 20.0 0 28.50 4.12 20

**Qualifiers:**  
B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

**CLIENT:** CITY OF ROUND ROCK  
**Work Order:** 2407240  
**Project:** West Plant Outfall

## ANALYTICAL QC SUMMARY REPORT

**RunID:** WC\_240725A

The QC data in batch 116415 applies to the following samples: 2407240-01A

Sample ID: <b>MB-116415</b>	Batch ID: <b>116415</b>	TestNo: <b>M2540C</b>	Units: <b>mg/L</b>							
SampType: <b>MBLK</b>	Run ID: <b>WC_240725A</b>	Analysis Date: <b>7/25/2024 4:20:00 PM</b>	Prep Date: <b>7/25/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filtera <10.0 10.0

Sample ID: <b>LCS-116415</b>	Batch ID: <b>116415</b>	TestNo: <b>M2540C</b>	Units: <b>mg/L</b>							
SampType: <b>LCS</b>	Run ID: <b>WC_240725A</b>	Analysis Date: <b>7/25/2024 4:20:00 PM</b>	Prep Date: <b>7/25/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filtera 763 10.0 745.6 0 102 90 113

Sample ID: <b>2407233-03E-DUP</b>	Batch ID: <b>116415</b>	TestNo: <b>M2540C</b>	Units: <b>mg/L</b>							
SampType: <b>DUP</b>	Run ID: <b>WC_240725A</b>	Analysis Date: <b>7/25/2024 4:20:00 PM</b>	Prep Date: <b>7/25/2024</b>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Total Dissolved Solids (Residue, Filtera 2960 50.0 0 3035 2.50 5

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified



September 03, 2024

Ryan Bornn  
CITY OF ROUND ROCK  
3400 Sunrise Rd.  
ROUND ROCK, Texas 78665  
TEL: (512) 218-5561  
FAX:  
RE: West Plant EFF TKN

Order No.: 2408318

Dear Ryan Bornn:

DHL Analytical, Inc. received 1 sample(s) on 8/27/2024 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative and all estimated uncertainties of results are within method specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in red ink, appearing to read "John DuPont".

John DuPont  
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211 - TX-C24-00120



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# DHL Analytical, Inc.

## Sample Receipt Checklist

Client Name: CITY OF ROUND ROCK

Date Received: 8/27/2024

Work Order Number: 2408318

Received by: KAO

Checklist completed by: MM 8/27/2024  
Signature Date

Reviewed by: SH 8/27/2024  
Initials Date

Carrier name: Hand Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/> NA <input type="checkbox"/>
Water - pH<2 acceptable upon receipt?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/> LOT # 13171
	Adjusted? <u>Yes</u>		Checked by <u>SM</u>
Water - pH>9 (S) or pH>10 (CN) acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____		Checked by _____
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Cooler #	1		
Temp °C	1.0		
Seal Intact	NP		

Any No response must be detailed in the comments section below.

Client contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: The bottle was unpreserved upon receiving the sample for testing.

Corrective Action: We proceeded to acidify the sample with H2SO4 Lot#17171 in Login on 8/27/24.

**DHL Analytical, Inc.**

**Date:** 03-Sep-24

**CLIENT:** CITY OF ROUND ROCK

**Project:** West Plant EFF TKN

**Lab Order:** 2408318

## **CASE NARRATIVE**

The TKN analysis was sub-contracted to SPL.

**DHL Analytical, Inc.**

**Date:** 03-Sep-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** West Plant EFF TKN  
**Lab Order:** 2408318

**Work Order Sample Summary**

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2408318-01	West Plant Effluent		08/26/24 11:59 PM	08/27/2024

**DHL Analytical, Inc.****Date:** 03-Sep-24

**CLIENT:** CITY OF ROUND ROCK  
**Project:** West Plant EFF TKN  
**Project No:**  
**Lab Order:** 2408318

**Client Sample ID:** West Plant Effluent  
**Lab ID:** 2408318-01  
**Collection Date:** 08/26/24 11:59 PM  
**Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<b>TKN-TOTAL KJELDAHL NITROGEN (K)</b>		<b>E351.2</b>		Analyst: <b>SUB</b>			
Total Kjeldahl Nitrogen	4.73	0.00712	0.0500		mg/L	1	09/03/24 07:13 AM

<b>Qualifiers:</b>	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

*Project*  
**1115983**

## DHL1-C

DHL Analytical - SPL  
 John Dupont  
 2300 Double Creek Dr  
 Round Rock, TX 78664

Printed 09/03/2024  
 10:06

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## LABORATORY DATA PACKAGE COVER PAGE

Project  
1115983

AQUEOUS

This data package consists of:

- ☒ This signature page, the laboratory review checklist, and the following reportable data:
- ☒ R1 Field chain-of-custody documentation;
- ☒ R2 Sample identification cross-reference;
- ☒ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate recovery data including: (R4 - R8: See QC Report)
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test reports/summary forms for blank samples;
- ☒ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☒ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix; See Results Summary
- ☒ R10 Other problems or anomalies.
- ☒ The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.



Bill Peery (WJP)

VP Technical Services

9/3/2024

Name

Signature

Official Title

Date

Email: [Kilgore.ProjectManagement@spllabs.com](mailto:Kilgore.ProjectManagement@spllabs.com)



Central TX Region: 8101 Cameron Rd - Ste 305 Austin TX 78754

Report Page 2 of 15



SAMPLE CROSS REFERENCE

Project  
1115983

DHL Analytical - SPL  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

Printed 9/3/2024 Page 1 of 1  
AQUEOUS

Sample	Sample ID	Taken	Time	Received
2329354	WEST PLANT EFFLUENT	08/26/2024	11:59:00	08/28/2024

Bottle 01 Client supplied H2SO4 plastic  
Bottle 02 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1135771) Volume: 20.00000 mL <== Derived from 01 ( 20 ml )

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 351.2 2	02	1135771	08/29/2024	1136222	09/03/2024

Email: Kilgore.ProjectManagement@spllabs.com

# SAMPLE PREPARATION

DHL Analytical - SPL  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

Default

Project

1115983

			Prep Set #	1135771	08/29/2024
Analytical Set #	1136222	EPA 351.2 2	09/03/2024		
		Sample	Sample ID	Bottle	
		2329354	WEST PLANT EFFLUENT	02	





HOLDING TIME COMPLIANCE

DHL Analytical - SPL  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

Project  
1115983

AQUEOUS

Name	Method	Taken:	Received	Analyzed	Hold	Elapsed
	2329354	8/26/24 11:59	08/28/2024			
TKN Block Digestion	EPA 351.2, Rev 2.0			8/29/24 7:38	28.00	2.00
Total Kjeldahl Nitrogen	EPA 351.2 2			9/3/24 7:13	28.00	7.00



DHL1-C

DHL Analytical - SPL  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

Page 1 of 2

Project  
1115983

Printed: 09/03/2024

RESULTS

Sample Results									
2329354		WEST PLANT EFFLUENT				Received:		08/28/2024	
Non-Potable Water		Collected by: Client		DHL Analytical - SPL		PO:			
		Taken: 08/26/2024		11:59:00					
EPA 351.2 2		Prepared: 1135771		08/29/2024		07:38:09		Analyzed 1136222	
								09/03/2024	
								07:13:00	
								AM	
Parameter		Results		Units		RL		Flags	
CAS									
Bottle									
NELAC Total Kjeldahl Nitrogen		4.73		mg/L		0.050		7727-37-9	
								02	

Sample Preparation									
2329354		WEST PLANT EFFLUENT					Received:		08/28/2024
08/26/2024									
		Prepared:		08/28/2024	13:28:20	Calculated		08/28/2024	13:28:20
Environmental Fee (per Project)		Verified							
		Prepared:		09/03/2024	09:20:00	Analyzed		09/03/2024	09:20:00
Level IV Data Review		Completed							
EPA 351.2, Rev 2.0		Prepared:		1135771	08/29/2024	07:38:09	Analyzed		1135771
TKN Block Digestion		20/20		ml		01			



## DHL1-C

DHL Analytical - SPL  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

Page 2 of 2

Project  
**1115983**

Printed: 09/03/2024

### Qualifiers:

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

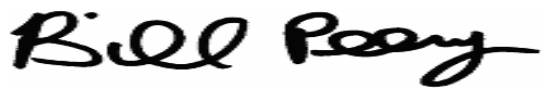
Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

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

z -- Not covered by our NELAC scope of accreditation

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

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



Bill Peery, MS, VP Technical Services



Report Page 7 of 15



RESULTS

Project

1115983

Printed 09/03/2024

AQUEOUS

DHL1

DHL Analytical - SPL  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water		Distillations								EPA 351.2 2	
2329354	WEST PLANT EFFLUENT										
		Collection:	08/26/2024	11:59:00		Client		Received:		08/28/2024	
Prepared:		1135771									
		Analyzed:		1136222				9/3/24	07:13:00		
7727-37-9	Total Kjeldahl Nitrogen	4.73	0.00712	0.00712	0.050	0.050	mg/L		02		1.00

MDL is Method Detection Limit (40 CFR 136 Appendix B)

MQL is the Method Quantitation Limit and corresponds to a low standard

Qualifiers:

SDL is Sample Detection Limit and is the adjusted MDL (sample specific dilutions, dry weight)

MQLADJ is the Adjusted Method Quantitation Limit (dilutions, dry weight)

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.

Bill Peery



Bill Peery, MS, VP Technical Services  
Email: Kilgore.ProjectManagement@spllabs.com

QC GROUPS

DHL Analytical - SPL  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

Project

1115983

		<i>Test</i>	<i>QCgroup</i>	<i>Analyzed</i>	
7051	Astoria2 Autoanalyzer	TKDL	1,135,771	08/29/2024	200354
		TKN	1,136,222	09/03/2024	



# QUALITY CONTROL



## DHL1-C

DHL Analytical - SPL  
John Dupont  
2300 Double Creek Dr  
Round Rock, TX 78664

Page 1 of 1

Project  
**1115983**

Printed 09/03/2024

Analytical Set **1136222**

EPA 351.2 2

### Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Total Kjeldahl Nitrogen	1135771	ND	0.00712	0.050	mg/L	126722462

### CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Kjeldahl Nitrogen	5.31	5.00	mg/L	106	90.0 - 110	126722461
Total Kjeldahl Nitrogen	5.29	5.00	mg/L	106	90.0 - 110	126722469

### Duplicate

<u>Parameter</u>	<u>Sample</u>	<u>Result</u>	<u>Unknown</u>	<u>Unit</u>	<u>RPD</u>	<u>Limit%</u>
Total Kjeldahl Nitrogen	2329539	0.509	0.500	mg/L	1.78	20.0

### ICV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Total Kjeldahl Nitrogen	4.83	5.00	mg/L	96.6	90.0 - 110	126722460

### LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Total Kjeldahl Nitrogen	1135771	5.37	5.01	5.00	90.0 - 110	107	100	mg/L	6.94	20.0

### Mat. Spike

<u>Parameter</u>	<u>Sample</u>	<u>Spike</u>	<u>Unknown</u>	<u>Known</u>	<u>Units</u>	<u>Recovery %</u>	<u>Limits %</u>	<u>File</u>
Total Kjeldahl Nitrogen	2329539	5.87	0.500	5.00	mg/L	107	80.0 - 120	126722467

\* Out RPD is Relative Percent Difference:  $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

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

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); 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.)

Email: [Kilgore.ProjectManagement@spllabs.com](mailto:Kilgore.ProjectManagement@spllabs.com)



Report Page 10 of 15

## DHL Analytical, Inc.

2300 Double Creek Drive  
Round Rock, TX 78664

## CHAIN-OF-CUSTODY RECORD

Page 1 of 1

TEL: (512) 388-8222

FAX:

Work Order: 2408318

## Subcontractor:

SPL Laboratory Kilgore  
2600 Dudley Rd  
Kilgore, TX 75662

TEL: (903) 984-0551

FAX:

Acct #:

2329384

27-Aug-24

Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Requested Tests					
					TKN					
West Plant Effluent	Aqueous	01A	08/26/24 11:59 PM	250HDPEH2SO4	E351.2	1				

## General Comments:

Please analyze these samples with a 1 DAY RUSH Turnaround Time.  
Quality Control Package Needed: Standard - SEND PDF & Excel EDD Please  
EMAIL report to both cac@dhlanalytical.com & dupont@dhlanalytical.com  
Call John DuPont if you have questions.

Date/Time

Date/Time

Relinquished by:

J Memmery

8/27/24 5:00

Received by:

Relinquished by:

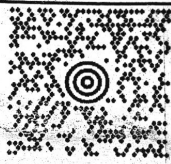

Received by:

1115983 CoC Print Group 001 of 001

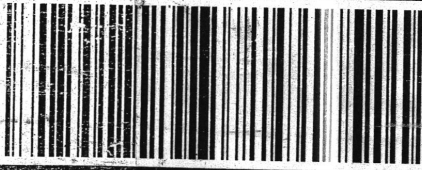
LOGIN  
5123888222  
DHL ANALYTICAL  
2300 DOUBLE CREEK DR  
ROUND ROCK TX 78664

35 LBS 1 OF 1

SHIP TO:  
LOGIN  
9039840551  
ANA-LAB  
2600 DUDLEY RD  
KILGORE TX 75662

 TX 756 0-32  



**UPS GROUND**  
TRACKING #: 1Z 970 R40 03 1934 5782



BILLING: P/P  
8/28 1045 RT  
Date Time Tech  
Temp: 2.8/2.7 C

Therm#: 6444 Corr Fact: -0.7 C

Door- 0135 TX 756 0- 32  
UPS 363799 TX 75662

  
1Z970R400319345782  
5708583 Aug 27 19:29:12 2024 H PPS 24.3.1 US 7864 T

FOR UPS SHIPPING ONLY

Appendix A:		Laboratory Review Checklist: Reportable Data					
Laboratory Name:		SPL Kilgore		LRC Date:		09/03/2024	
Project Name:		Default		Laboratory Job (Project) Number:		1115983	
Reviewer Name:		Bill Peery (WJP)		PrepSet:		1135771 QCgroup: 1136222	
#	A	Description	Yes	No	NA	NR	ER#
R01	OI	<b>Chain-of-Custody (C-O-C)</b>					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?				X	1
		Were all departures from standard conditions described in the exception report?	X				
R02	OI	<b>Sample and Quality Control (QC) Identification</b>					
		Are all field sample ID numbers cross referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R03	OI	<b>Test Reports</b>					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample quantitation limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		If required for the project, tentatively identified compounds reported?			X		
R04	O	<b>Surrogate Recovery Data</b>					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R05	OI	<b>Test Reports/Summary Forms for Blank Samples</b>					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were blank concentrations < MQL?	X				
R06	OI	<b>Laboratory Control Samples (LCS)</b>					
		Were all chemicals of concern included in the LCS?			X		
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?			X		
		Were LCSs analyzed at the required frequency?			X		
		Were LCS (and LCS duplicate, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the chemicals of concern at the MDL used to calculate the SQLs?	X				
R07		<b>Matrix Spike (MS) and Matrix Spike Duplicate (MSD) data</b>					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?			X		
R08	OI	<b>Analytical Duplicate Data</b>					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R09	OI	<b>Method Quantitation Limits (MQLs)</b>					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	<b>Other Problems/Anomalies</b>					
		Are all known problems/anomalies/special condition noted in this LRC and ER?	X				
		Were all necessary corrective actions preformed for the reported data?	X				
		Was applicable and available technology used to lower the SQL and minimize the matrix interference effects on the sample results?	X				

Appendix A:		Laboratory Review Checklist: Reportable Data					
Laboratory Name: SPL Kilgore		LRC Date: 09/03/2024					
Project Name: Default		Laboratory Job (Project) Number: 1115983					
Reviewer Name: Bill Peery (WJP)		PrepSet: 1135771 QCgroup: 1136222					
#	A	Description	Yes	No	NA	NR	ER#
S01	OI	<b>Initial Calibration (ICAL)</b>					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S02	OI	<b>Initial and Continuing Calibration Verification (ICCV and CCV) and Continuing Calibration</b>					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MQL?			X		
S03	O	<b>Mass Spectral Tuning</b>					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S04	O	<b>Internal Standards (IS)</b>					
		Were IS area counts and retention times within the method-required QC limits?			X		
S05	OI	<b>Raw Data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section . . .)</b>					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S06	O	<b>Dual Column Confirmation</b>					
		Did dual column confirmation results meet the method-required QC?			X		
S07	O	<b>Tentatively Identified Compounds (TICs)</b>					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S08	I	<b>Interference Check Sample (ICS) Results</b>					
		Were percent recoveries within method QC limits?			X		
S09	I	<b>Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions</b>					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	<b>Method Detection Limit (MDL) Studies</b>					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of detectability check samples?	X				
S11	OI	<b>Proficiency Test Reports</b>					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	<b>Standards Documentation</b>					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	IO	<b>Compound/Analyte Identification Procedures</b>					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	<b>Demonstration of Analyst Competency (DOC)</b>					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC Section 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	<b>Verification/Validation Documentation Methods (NELAC Chapter 5 or ISO/IEC Section 5)</b>					
		Are all the methods used to generate the data documented, verified and validated, where applicable?	X				
S16	OI	<b>Laboratory Standard Operating Procedures (SOPs)</b>					
		Are laboratory SOPs current and on file for each method performed?	X				

- Items identified by the letter "R" must be included on the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention
- O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
- N/A = Not applicable;
- NR = Not reviewed
- ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

<b>Appendix A: (cont'd):                    Laboratory Review Checklist: Exception Reports</b>	
Laboratory Name:                    SPL Kilgore	LRC Date:                    09/03/2024
Project Name:                    Default	Laboratory Job (Project) Number:                    1115983
Reviewer Name:                    Bill Peery (WJP)	PrepSet:                    1135771      QCgroup:                    1136222
<b>ER#</b>	<b>Description</b>
1	Bottles were reviewed at login. Please see the chain of custody record for sample receipt details.

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

**ATTACHMENT G**

**Summary of WET Test Results  
Wks 5.0 Section 3**

**ATTACHMENT G**  
**CITY OF ROUND ROCK, CITY OF CEDAR PARK, CITY OF AUSTIN, AND CITY OF LEANDER**  
**BRUSHY CREEK REGIONAL WEST WASTEWATER TREATMENT FACILITY**  
**TPDES PERMIT RENEWAL APPLICATION**  
**SUMMARY OF WET TEST RESULTS**

**7-DAY CHRONIC BIOMONITORING**

Testing Period	Test Species	IC25 Lethal	IC25 Sublethal
Q2 2022	Pimephales promelas	>84%	>84%
Q2 2022	Ceriodaphnia dubia	>84%	>84%
Q3 2022	Pimephales promelas	>84%	>84%
Q3 2022	Ceriodaphnia dubia	>84%	>84%
Q4 2022	Pimephales promelas	>84%	>84%
Q4 2022	Ceriodaphnia dubia	>84%	>84%
Q1 2023	Pimephales promelas	>84%	>84%
Q1 2023	Ceriodaphnia dubia	>84%	>84%
Q2 2023	Pimephales promelas	>84%	>84%
Q2 2023	Ceriodaphnia dubia	>84%	>84%
Q3 2023	Pimephales promelas	>84%	>84%
Q3 2023	Ceriodaphnia dubia	>84%	>84%
Q4 2023	Pimephales promelas	>84%	>84%
Q4 2023	Ceriodaphnia dubia	>84%	>84%
4/2/2024	Pimephales promelas	>84%	>84%
4/2/2024	Ceriodaphnia dubia	>84%	>84%

**24-HOUR ACUTE BIOMONITORING**

Testing Period	Test Species	LC 50 % Effluent
Jan-Jun 2022	Pimephales promelas	>100%
Jan-Jun 2022	D. Pulex	>100%
Jul-Dec 2022	Pimephales promelas	>100%
Jul-Dec 2022	D. Pulex	>100%
Jan-Jun 2023	Pimephales promelas	>100%
Jan-Jun 2023	D. Pulex	>100%
Jul-Dec 2023	Pimephales promelas	>100%
Jul-Dec 2023	D. Pulex	>100%
Jan-Jun 2024	Pimephales promelas	>100%
Jan-Jun 2024	D. Pulex	>100%

**ATTACHMENT H**

**Effluent Parameters Above the MAL  
Wks 6.0 Section 2.C**

**ATTACHMENT H**  
**CITY OF ROUND ROCK, CITY OF CEDAR PARK, CITY OF AUSTIN, AND CITY OF LEANDER**  
**BRUSHY CREEK REGIONAL WEST WASTEWATER TREATMENT FACILITY**  
**TPDES PERMIT RENEWAL APPLICATION**  
**EFFLUENT PARAMETERS ABOVE THE MAL**

<b>Pollutant</b>	<b>Concentration</b>	<b>MAL</b>	<b>Units</b>	<b>Date</b>
2,4,5-TP (Silvex)	0.914	0.3	µg/L	05/08/2024
2,4,6-Trichlorophenol	71.3	10	µg/L	01/27/2022
2,4-D	0.776	0.7	µg/L	05/08/2024
Aluminum	84.9	2.5	µg/L	12/09/2020
Aluminum	65.7	2.5	µg/L	01/27/2021
Aluminum	163	2.5	µg/L	04/13/2021
Aluminum	88.0	2.5	µg/L	07/28/2021
Aluminum	499	2.5	µg/L	10/12/2021
Aluminum	167	2.5	µg/L	01/27/2022
Aluminum	103	2.5	µg/L	05/18/2022
Aluminum	20.1	2.5	µg/L	06/09/2022
Aluminum	119	2.5	µg/L	07/28/2022
Aluminum	31.6	2.5	µg/L	08/11/2022
Aluminum	97.5	2.5	µg/L	11/18/2022
Aluminum	255	2.5	µg/L	02/09/2023
Aluminum	47.7	2.5	µg/L	04/19/2023
Aluminum	68.6	2.5	µg/L	07/13/2023
Aluminum	61.2	2.5	µg/L	10/18/2023
Aluminum	31.8	2.5	µg/L	02/28/2024
Aluminum	27.1	2.5	µg/L	05/08/2024
Arsenic	<2	0.5	µg/L	05/08/2024
Arsenic, Total	0.96	0.5	µg/L	12/09/2020
Arsenic, Total	1.1	0.5	µg/L	01/27/2021
Arsenic, Total	1.08	0.5	µg/L	04/13/2021
Arsenic, Total	1.3	0.5	µg/L	07/28/2021
Arsenic, Total	1.64	0.5	µg/L	10/12/2021
Arsenic, Total	0.812	0.5	µg/L	01/27/2022
Arsenic, Total	1.03	0.5	µg/L	05/18/2022
Arsenic, Total	0.66	0.5	µg/L	06/09/2022
Arsenic, Total	1.39	0.5	µg/L	07/28/2022
Arsenic, Total	1.3	0.5	µg/L	08/11/2022
Arsenic, Total	1.64	0.5	µg/L	10/18/2023
Arsenic, Total	1.01	0.5	µg/L	02/28/2024
Barium	24.3	3	µg/L	12/09/2020
Barium	27.3	3	µg/L	01/27/2021
Barium	32.8	3	µg/L	04/13/2021
Barium	28.4	3	µg/L	07/28/2021
Barium	29.0	3	µg/L	10/12/2021
Barium	29.0	3	µg/L	01/27/2022
Barium	28.4	3	µg/L	05/18/2022
Barium	33.3	3	µg/L	06/09/2022
Barium	24	3	µg/L	07/28/2022

ATT H-1

**ATTACHMENT H**  
**CITY OF ROUND ROCK, CITY OF CEDAR PARK, CITY OF AUSTIN, AND CITY OF LEANDER**  
**BRUSHY CREEK REGIONAL WEST WASTEWATER TREATMENT FACILITY**  
**TPDES PERMIT RENEWAL APPLICATION**  
**EFFLUENT PARAMETERS ABOVE THE MAL**

<b>Pollutant</b>	<b>Concentration</b>	<b>MAL</b>	<b>Units</b>	<b>Date</b>
Barium	36.6	3	µg/L	08/11/2022
Barium	19.3	3	µg/L	11/18/2022
Barium	35.5	3	µg/L	02/09/2023
Barium	16.8	3	µg/L	04/19/2023
Barium	19.4	3	µg/L	07/13/2023
Barium	38.3	3	µg/L	10/18/2023
Barium	44.0	3	µg/L	02/28/2024
Barium	39.7	3	µg/L	05/08/2024
Copper	4.19	2	µg/L	05/08/2024
Copper, Total	8.36	2	µg/L	12/09/2020
Copper, Total	5.4	2	µg/L	01/27/2021
Copper, Total	10.0	2	µg/L	04/13/2021
Copper, Total	4.63	2	µg/L	07/28/2021
Copper, Total	17.8	2	µg/L	10/12/2021
Copper, Total	11.7	2	µg/L	01/27/2022
Copper, Total	6.09	2	µg/L	05/18/2022
Copper, Total	6.91	2	µg/L	06/09/2022
Copper, Total	9.03	2	µg/L	07/28/2022
Copper, Total	7.98	2	µg/L	08/11/2022
Copper, Total	5.46	2	µg/L	10/18/2023
Copper, Total	3.1	2	µg/L	02/28/2024
Cyanide, Available	16.3	10	µg/L	10/18/2023
Dicofol	60.7	1	µg/L	06/09/2022
Fluoride	666	500	µg/L	12/09/2020
Fluoride	594	500	µg/L	10/12/2021
Fluoride	535	500	µg/L	01/27/2022
Fluoride	633	500	µg/L	07/28/2022
Fluoride	709	500	µg/L	04/19/2023
Lead, Total	0.954	0.5	µg/L	10/12/2021
Lead, Total	0.772	0.5	µg/L	01/27/2022
Mercury, Total	0.00522	0.005	µg/L	04/13/2021
Mercury, Total	0.015	0.005	µg/L	01/27/2022
Mercury, Total	0.009	0.005	µg/L	05/18/2022
Mercury, Total	0.006	0.005	µg/L	07/28/2022
Nickel	<3	2	µg/L	05/08/2024
Nickel, Total	2.18	2	µg/L	01/27/2022
Nickel, Total	2.04	2	µg/L	05/18/2022
Nickel, Total	2.06	2	µg/L	06/09/2022
Nickel, Total	2.37	2	µg/L	07/28/2022
Nickel, Total	4.56	2	µg/L	08/11/2022
Nickel, Total	2.3	2	µg/L	10/18/2023
Nitrate-Nitrogen	13,600	100	µg/L	12/08/2020

ATT H-2

**ATTACHMENT H**  
**CITY OF ROUND ROCK, CITY OF CEDAR PARK, CITY OF AUSTIN, AND CITY OF LEANDER**  
**BRUSHY CREEK REGIONAL WEST WASTEWATER TREATMENT FACILITY**  
**TPDES PERMIT RENEWAL APPLICATION**  
**EFFLUENT PARAMETERS ABOVE THE MAL**

<b>Pollutant</b>	<b>Concentration</b>	<b>MAL</b>	<b>Units</b>	<b>Date</b>
Nitrate-Nitrogen	21,800	100	µg/L	01/27/2021
Nitrate-Nitrogen	7,160	100	µg/L	04/13/2021
Nitrate-Nitrogen	4,350	100	µg/L	07/28/2021
Nitrate-Nitrogen	13,800	100	µg/L	10/12/2021
Nitrate-Nitrogen	12,100	100	µg/L	01/27/2022
Nitrate-Nitrogen	9,980	100	µg/L	06/09/2022
Nitrate-Nitrogen	8,450	100	µg/L	07/28/2022
Nitrate-Nitrogen	8,160	100	µg/L	08/11/2022
Nitrate-Nitrogen	15,400	100	µg/L	11/18/2022
Nitrate-Nitrogen	8,630	100	µg/L	02/09/2023
Nitrate-Nitrogen	16,400	100	µg/L	04/19/2023
Nitrate-Nitrogen	14,900	100	µg/L	07/13/2023
Nitrate-Nitrogen	13,900	100	µg/L	10/18/2023
Nitrate-Nitrogen	10,400	100	µg/L	05/08/2024
Nitrobenzene	66.1	10	µg/L	10/12/2021
Silver	<1	0.5	µg/L	05/08/2024
Zinc	36.1	5	µg/L	05/08/2024
Zinc, Total	67	5	µg/L	12/09/2020
Zinc, Total	63.2	5	µg/L	01/27/2021
Zinc, Total	61.1	5	µg/L	04/13/2021
Zinc, Total	63.4	5	µg/L	07/28/2021
Zinc, Total	93.4	5	µg/L	10/12/2021
Zinc, Total	75.5	5	µg/L	01/27/2022
Zinc, Total	31.8	5	µg/L	05/18/2022
Zinc, Total	90.3	5	µg/L	06/09/2022
Zinc, Total	51.6	5	µg/L	07/28/2022
Zinc, Total	86.6	5	µg/L	08/11/2022
Zinc, Total	79.4	5	µg/L	10/18/2023
Zinc, Total	41.7	5	µg/L	02/28/2024



# PLUMMER

0982-021-01

October 3, 2024

Ms. Rachel Ellis  
Applications Review and Processing Team (MC 148)  
Water Quality Division  
Texas Commission on Environmental Quality  
PO Box 13087  
Austin, Texas 78711

Re: City of Round Rock (CN600413181), City of Cedar Park (CN600407951), City of Austin (CN600135198), and City of Leander (CN600646012)  
Brushy Creek Regional West Wastewater Treatment Facility (RN100822592)  
Application for Renewal of Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010264001

Dear Ms. Ellis:

On behalf of City of Round Rock, City of Cedar Park, City of Austin, and City of Leander, Plummer Associates, Inc., (Plummer) has reviewed your letter sent via email on September 20, 2024, which transmitted the Notice of Deficiency (NOD) for the above-referenced permit. A copy of the letter is provided in Enclosure A. The following responses correspond to the numbered items in your letter.

Transfer Application:

1. Check number 10080175, issued by the City of Round Rock, was submitted to TCEQ on September 9<sup>th</sup>. Enclosure B provides the receipt from the TCEQ Cashier's Office.
2. The application provided the incorrect transfer date. Please see Enclosure C for a revised page 4 requesting that the transfer take place on September 9<sup>th</sup> (the date the application was submitted).

Administrative Report:

3. Please use the City of Round Rock's address for the permit: 221 East Main Street, Round Rock, Texas 78664. No changes to the other co-permittees' CDFs are necessary.
4. The Notice of Receipt of Application and Intent to Obtain a Water Quality Permit (NORI) has been reviewed. Revisions are provided below in red.

**APPLICATION.** City of Round Rock, City of Austin, City of Cedar Park, and City of Leander, 221 East Main Street, Round Rock, Texas 78664, has have applied to the Texas Commission on

Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010264001 (EPA I.D. No. TX0075167) to authorize the discharge of treated wastewater at a volume not to exceed an daily-annual average flow of 3,000,000 gallons per day. The domestic wastewater treatment facility is located at 1116 East Austin Avenue, in the city of Round Rock, in Williamson County, Texas 78664. The discharge route is from the plant site is directing directly to Brushy Creek. TCEQ received this application on September 9, 2024. The permit application will be available for viewing and copying at the Utilities and Environmental Services Building, customer service desk, 3400 Sunrise Road, Round Rock, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

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

This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.666111,30.513888&level=18>

Further information may also be obtained from City of Round Rock, City of Austin, City of Cedar Park, and City of Leander at the address stated above or by calling Mr. Michael Thane, P.E., Director - Utilities and Environmental Services, City of Round Rock at 512-218-3236.

5. A Spanish translation of the above revised NORI is provided in Enclosure D.

We appreciate your attention to this application. If you have any questions, feel free to contact me at (512) 687-2154 or [alewis@plummer.com](mailto:alewis@plummer.com).

Respectfully yours,

PLUMMER



Ashley Lewis  
Water Quality/Permitting Team Leader

Enclosures (4)

cc: Ms. Laurie Hadley, City of Round Rock, City Manager  
Ms. Brenda Eivens, City of Cedar Park, City Manager  
Ms. Shay Ralls, City of Austin, Director of Austin Water  
Mr. Todd Parton, City of Leander, City Manager

## SECTION 8. TRANSFER DATE

What is the date that the transfer of operator or ownership will occur? 9/9/2024

## SECTION 9. REPORTING AND BILLING INFORMATION

**A.** Please identify the individual for receiving the reporting forms.

First and Last Name: Michael Thane

Title: Director – Utilities and Environmental Services

Credentials: P.E.

Company Name: City of Round Rock

Mailing Address: 3400 Sunrise Rd

City, State, and Zip Code: Round Rock, TX 78665

Phone Number: 512-218-3236 Fax Number: N/A

E-mail Address: mthane@roundrocktexas.gov

**B.** Please identify the individual for receiving the annual fee invoices.

First and Last Name: Michael Thane

Title: Director – Utilities and Environmental Services

Credentials: P.E.

Company Name: City of Round Rock

Mailing Address: 3400 Sunrise Rd

City, State, and Zip Code: Round Rock, TX 78665

Phone Number: 512-218-3236 Fax Number: N/A

E-mail Address: mthane@roundrocktexas.gov

## SECTION 10. DELINQUENT FEES OR PENALTIES

Do you owe fees to the TCEQ? Yes ☐ No ☒

Do you owe any penalties to the TCEQ? Yes ☐ No ☒

If you answered yes to either of the above questions, provide the amount owed, the type of fee or penalty, and an identifying number.

N/A



# Basis2 Receipt Report by Endorsement Number

SEP-26-24 12:14 PM

Acct. #: WQP

Account Name: WATER QUALITY PERMIT APPLICATION

<u>Paid For</u>	<u>Endors. #</u>	<u>Ref #2</u>	<u>Paid In By</u>	<u>PayTyp</u>	<u>Chk #</u>	<u>Card#</u>	<u>Bank Slip</u>	<u>Tran.Date</u>	<u>Receipt Amnt.</u>
BRUSHY CREEK REGIONAL WEST WWTF	M540209	10264001	ROUND ROCK, CITY OF	CK	10080174		BS00110805	09-SEP-24	\$100.00

# 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. WQ0010264001

**SOLICITUD.** La ciudad de Round Rock, la ciudad de Austin, la ciudad de Cedar Park, y la ciudad de Leander, 221 East Main Street, Round Rock, Texas 78664, han solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010264001 (EPA I.D. No. TX0075167) 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 3,000,000 galones por día. La planta está ubicada en 1116 East Austin Avenue, en la ciudad de Round Rock, en el Condado de Williamson, Texas 78664. La ruta de descarga es del sitio de la planta directamente al Brushy Creek. La TCEQ recibió esta solicitud el 9 de septiembre de 2024. La solicitud para el permiso está disponible para leerla y copiarla en el mostrador de atención al cliente del Edificio de Servicios Públicos y Ambientales, 3400 Sunrise Road, Round Rock, Texas. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. Este enlace a un mapa electrónico del sitio o la ubicación general de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.666111,30.513888&level=18>

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

**COMENTARIO PUBLICO / REUNION PUBLICA.** Usted puede presentar

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

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

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

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

**estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.**

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

**CONTACTOS E INFORMACIÓN DE LA TCEQ. Todos los comentarios escritos del público y los para pedidos una reunión debe ser presentado a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at [www.tceq.texas.gov/about/comments.html](http://www.tceq.texas.gov/about/comments.html).**

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. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: [www.tceq.texas.gov](http://www.tceq.texas.gov).

También se puede obtener información adicional de la ciudad de Round Rock, la ciudad de Austin, la ciudad de Cedar Park, y la ciudad de Leander a la dirección indicada arriba o llamando a Sr. Michael Thane, P.E., Director de Servicios Públicos y Medioambientales, la ciudad de Round Rock, al 512-218-3236.

Fecha de emisión \_\_\_\_\_ *[Date notice issued]*