

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



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

TCEQ

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 cuidad de Round Rock (CN600413181), la cuidad de Cedar Park (CN600407951), la cuidad de Austin (CN600135198) y la cuidad 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 cuidad 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. WO0010264001

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. WO0010264001 (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 Willamson 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 countywide mailing list and to those who are on the mailing list for this application. That notice will contain the deadline for submitting public comments.

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

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

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

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

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

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

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

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

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

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

Further information may also be obtained from City of 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 cuidad de Austin, la ciudad de Cedar Park, v 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 cuidad 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/tpdesapplications. 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; v explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

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

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

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Ademas, puede pedir que la TCEQ ponga su nombre en una 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 agrega su nombre en una de las listas designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

CONTACTOS E INFORMACIÓN 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. 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.

También se puede obtener información adicional de la ciudad de Round Rock, la cuidad 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



0982-021-01

RECEIVED

SEP 09 2024

TCEQ MAIL CENTER DA

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

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

cc:

Ms. Laurie Hadley, City of Round Rock, City Manger

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

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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I. ADMINISTRATIVE REPORT

Domestic Administrative Report 1.0 Supplemental Permit Information Form (SPIF)

II. TECHNICAL REPORT

Domestic Technical Report 1.0

Domestic Worksheet 2.0

Domestic Worksheet 4.0

Domestic Worksheet 5.0

Domestic Worksheet 6.0

III. ATTACHMENTS

NO.	Description	<u>Keterence</u>
Α	Core Data Form	Admin Rpt 1.0, Section 3.C
В	Plain Language Summary	Admin Rpt 1.0, Section 8.F
С	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
Н	Effluent Parameters Above the MAL	Wks 6.0 Section 2.C

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: <u>City of Round Rock, City of Cedar Park, City of Austin, and City of Leander</u> PERMIT NUMBER (If new, leave blank): WQ00<u>10264001</u>

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

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

For TCEQ Use Only	
Segment Number	County
Expiration Date	Region
Permit Number	

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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

Section 1. Application Fees (Instructions Page 26)

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

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

Minor Amendment (for any flow) \$150.00 □

Payment	Inform	ation
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Mailed Check/Money Order Number: 10080173

Check/Money Order Amount: \$2,015.00

Name Printed on Check: City of Round Rock

EPAY Voucher Number: <u>N/A</u>

Copy of Payment Voucher enclosed? Yes \square N/A

Section 2. Type of Application (Instructions Page 26)

a.	Check the box next to the appropriate authorization type.		
	\boxtimes	Publicly-Owned Domestic Wastewater	
		Privately-Owned Domestic Wastewater	

☐ Conventional Wastewater Treatment

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

□ Inactive

c.	Che	eck the box next to the appropriate permit typ	e.			
	\boxtimes	TPDES Permit				
		TLAP				
		TPDES Permit with TLAP component				
		Subsurface Area Drip Dispersal System (SAD	DS)			
d.	Che	eck the box next to the appropriate application	ı typ	e		
		New				
		Major Amendment <i>with</i> Renewal		Minor Amendment <u>with</u> Renewal		
		Major Amendment without Renewal		Minor Amendment <u>without</u> Renewal		
	\boxtimes	Renewal without changes		Minor Modification of permit		
e.	For	amendments or modifications, describe the p	ropo	osed changes: <u>N/A</u>		
f.	For	existing permits:				
	Per	mit Number: WQ00 <u>10264001</u>				
	EPA	A I.D. (TPDES only): TX <u>0075167</u>				
	Exp	oiration Date: <u>3/11/2025</u>				
Se	cti	on 3. Facility Owner (Applicant) a	nd	Co-Applicant Information		
		(Instructions Page 26)				
A.	The	e owner of the facility must apply for the per	rmit.			
	What is the Legal Name of the entity (applicant) applying for this permit?					
	City of Round Rock					
		e legal name must be spelled exactly as filed w legal documents forming the entity.)	ith tì	he Texas Secretary of State, County, or in		
		he applicant is currently a customer with the T nay search for your CN on the TCEQ website				
		CN: <u>600413181</u>				
		at is the name and title of the person signing t cutive official meeting signatory requirements				

Prefix: Ms.

Last Name, First Name: Hadley, Laurie

Tital of the Constant of the C

Title: <u>City Manager</u> 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: <u>Co-owner of Brushy Creek Regional West Wastewater Treatment Facility</u>

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: <u>Director of Austin Water</u> Credential: <u>P.E.</u>

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

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: <u>City Manager</u> Credential:

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

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. $\underline{\mathbf{A}}$

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: <u>Director - Utilities and Environmental Services</u> Credential: <u>P.E.</u>

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: <u>Plummer Associates, Inc.</u>

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

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: <u>Director - Utilities and Environmental Services</u> Credential: <u>P.E.</u>

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: <u>Superintendent – Utilities Services</u> 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: <u>Project Engineer</u> Credential: <u>P.E.</u>

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: jgriesel@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:

- □ 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: mthane@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 2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school? Yes \boxtimes No 3. Do the students at these schools attend a bilingual education program at another location? \boxtimes No Yes 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 \boxtimes No

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: <u>City of Round Rock, City of Cedar Park, City of Austin, and City of Leander</u>
 - Ownership of Facility: oximes Public oximes Private oximes Both oximes Federal
- **D.** Owner of land where treatment facility is or will be:

Prefix: N/A Last Name, First Name: N/A

Title: <u>N/A</u> Credential: <u>N/A</u>

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

	Title: <u>N/A</u>	Credential: <u>N/A</u>
	Organization Name: <u>N/A</u>	
	Mailing Address: <u>N/A</u>	City, State, Zip Code: <u>N/A</u>
	Phone No.: <u>N/A</u>	E-mail Address: <u>N/A</u>
	If the landowner is not the same pagreement or deed recorded easer	person as the facility owner or co-applicant, attach a lease ment. See instructions.
	Attachment: <u>N/A</u>	
Se	Section 10. TPDES Discharge	e Information (Instructions Page 31)
Α.	A. Is the wastewater treatment facilit	ry location in the existing permit accurate?
	□ Yes ⊠ No	
	If no , or a new permit application 1116 East Austin Avenue, Round Roo	n, please give an accurate description:
	1110 East Austin Avenue, Round Roc	ck, Williamson County, 1X 78004
В.		the discharge route(s) in the existing permit correct?
	⊠ Yes □ No	
		rmit application, provide an accurate description of the rge route to the nearest classified segment as defined in 30
	TAC Chapter 307:	
	N/A	
	City nearest the outfall(s): Round F	Rock
	County in which the outfalls(s) is/	are located: <u>Williamson</u>
C.	C. Is or will the treated wastewater d a flood control district drainage d	ischarge to a city, county, or state highway right-of-way, or itch?
	□ Yes ⊠ No	
	If yes , indicate by a check mark if	:
	☐ Authorization granted	\square Authorization pending <u>N/A</u>
	For new and amendment applicat and the approval letter upon recei	tions, provide copies of letters that show proof of contact pt.
	Attachment: <u>N/A</u>	
D.		verage daily discharge of 5 MGD or more, provide the in 100 statute miles downstream of the point(s) of

Last Name, First Name: N/A

property owned or controlled by the applicant)::

Prefix: N/A

Α.	For TLAPs, is the location of the effluent disposal site in the existing permit accurate?			
	□ Yes □ No <u>N/A – Not a TLAP</u>			
	If no, or a new or amendment permit application , provide an accurate description of the disposal site location:			
	N/A			
В.	City nearest the disposal site: $\underline{N/A}$			
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			
Е.	For TLAPs , please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: N/A			
Se	ection 12. Miscellaneous Information (Instructions Page 32)			
A.	Is the facility located on or does the treated effluent cross American Indian Land?			
	□ Yes ⊠ No			
В.	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: $\underline{\rm N/A}$			
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			

Section 11. TLAP Disposal Information (Instructions Page 32)

- 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

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

Permit Number: <u>WQoo10264001</u> Applicant: <u>City of Round Rock</u>

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): <u>Laurie Hadley</u>
Signatory title: City Manager, City of Round Rock
Signature: Raurus Hadley Date: Aug. 23, 2624 (Use blue ink)
Subscribed and Sworn to before me by the said Laure Hudley City Mgv on this

MONIQUE ADAMS
My Notary ID # 126257913
Expires March 22, 2026

County, Texas

Page 12 of 21

EAL

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

Permit Number: <u>WQ0010264001</u> Applicant: <u>City of Cedar Park</u>

Certification:

County, Texas

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): <u>Brenda Eivens</u>	
Signatory title: City Manager, City of Cedar Park	
Signature: Mwda 2vv Date: 8/15/2024 (Use blue ink)	W Att
Subscribed and Sworn to before me by the said Brenda Elvens on this 15+h day of Hugust, 2024. My commission expires on the 25+h day of June, 2025.	
DEBRA HARGROVE My Notary ID # 10899977 Expires June 25, 2025 [SEAL]	

Signatory name (typed or printed): Shav Ralls Roalson

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	title: <u>Director of Aust</u>	in Water, City	of Austin			
Signature	(Use blue ink)	Polon		Date: 7/31	12024	
	(Use blue ink)					
	ed and Sworn to befo	re me by the	said Shay	Ralls 1	Roalson	
on this	The second secon	day of	day of Ju	NP.	, 20 <mark>24</mark> .	
My comm	nission expires on the	2 2121	_day ofday			

Deborn X. Ockleton

County, Texas

Notary ID St

Commission Expires
June 21, 2025

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): <u>Todd Parton</u>	
Signatory title: City Manager, City of Leander	
Signature: (Use blue ink)	Date: 4/30/2024
Subscribed and Sworn to before me by the said on this day of	Todd Parton
	May , 20 28.
Notary Public	[SEAL]
County, Texas	OF 3492 800 05-30-202 0111111111111111111111111111111111

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:RenewalMajor AmendmentMinor AmendmentNew
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 WO-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.
The following applies to all applications:
1. Permittee: <u>City of Round Rock, City of Cedar Park, City of Austin, and City of Leander</u>
Permit No. WQ00 <u>10264001</u> EPA ID No. TX <u>0075167</u>
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

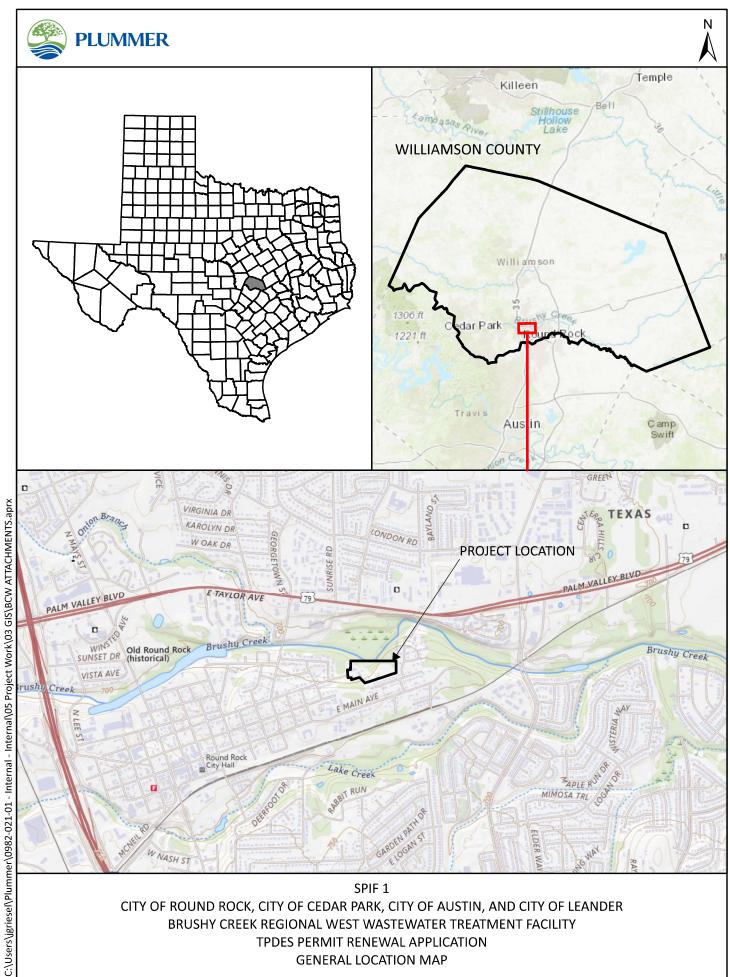
answer specific questions about the property.					
Prefix (Mr., Ms., Miss): Mr.					
First and Last Name: Michael Thane					
Credential (P.E, P.G., Ph.D., etc.): <u>P.E.</u>					
Title: <u>Director - Utilities and Environmental Services</u>					
Mailing Address: 3400 Sunrise Rd					
City, State, Zip Code: <u>Round Rock, TX 78665</u>					
Phone No.: (512) 218-3236 Ext.: N/A Fax No.: (512) 218-5563					
E-mail Address: <u>mthane@roundrocktexas.gov</u>					
List the county in which the facility is located: Williamson					
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.					
N/A - Troperty owners and permittees/ applicants are the same.					
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					
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. $\underline{N/A}$					
Does your project involve any of the following? Cheek all that apply. None apply					
Does your project involve any of the following? Check all that apply. <u>None apply.</u>					
□ Proposed access roads, utility lines, construction easements					
, , , , , , , , , , , , , , , , , , , ,					
□ Proposed access roads, utility lines, construction easements					
 □ Proposed access roads, utility lines, construction easements □ Visual effects that could damage or detract from a historic property's integrity 					
 □ 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 					

2.3.

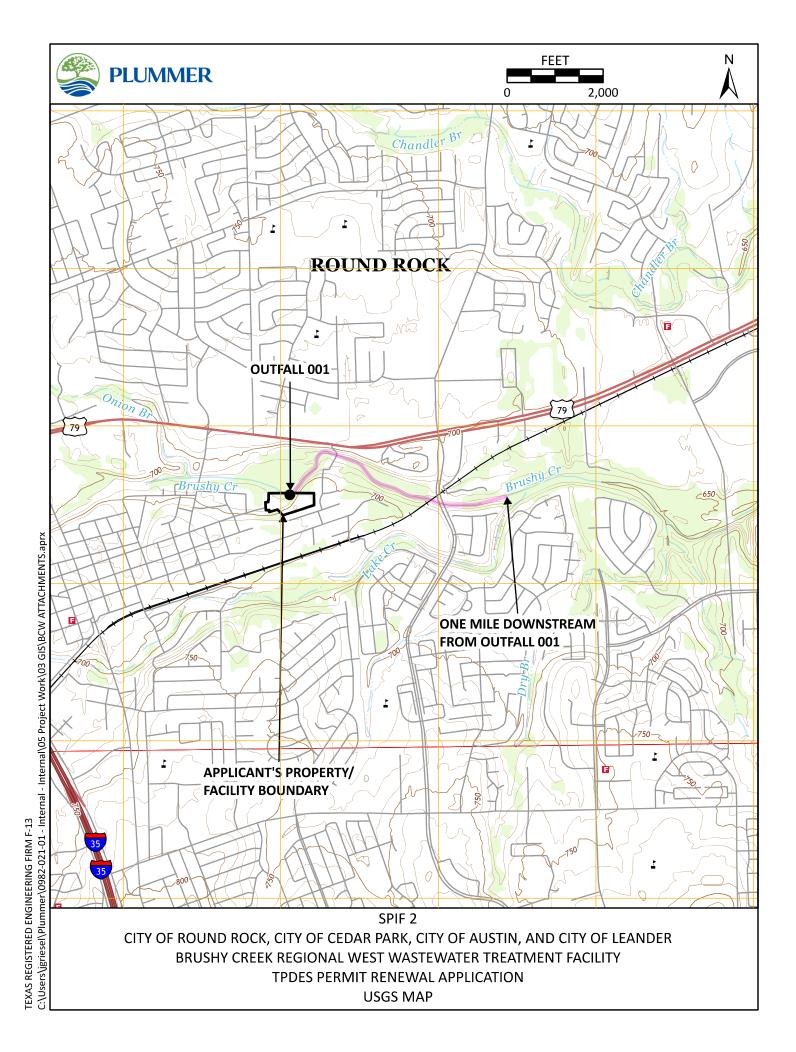
4.

5.

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.
тн	E FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR
	ENDMENTS 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



TPDES PERMIT RENEWAL APPLICATION **GENERAL LOCATION MAP**



THE TONMENTAL OURS

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): <u>3.0</u> 2-Hr Peak Flow (MGD): <u>9.0</u>

Estimated construction start date: <u>Existing</u>
Estimated waste disposal start date: <u>Existing</u>

B. Interim II Phase

Design Flow (MGD): N/A

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

Estimated construction start date: <u>N/A</u>
Estimated waste disposal start date: N/A

C. Final Phase

Design Flow (MGD): <u>N/A</u> 2-Hr Peak Flow (MGD): N/A

Estimated construction start date: <u>N/A</u>
Estimated waste disposal start date: <u>N/A</u>

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 ft³, 15 ft D x 17'-0" W
		1 - 21,032 ft³, 15 ft D x 16'-7" W
Aeration Basins	2	1 - 61,685 ft ³ , 15 ft D x 17'-0" W
		1 - 73, 956 ft ³ , 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: <u>30.514557</u>

• Longitude: <u>-97.665391</u>

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

Latitude: N/ALongitude: 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

Attachment: <u>E</u>			
Provide the name and a des	scription of the area se	rved by the treatment	t facility.
The facility serves portions of District (MUD), Brushy Cree			Municipal Utility
Collection System Informat each uniquely owned colle satellite collection systems examples .	ction system, existing	and new, served by th	is facility, including
Collection System Information			
Collection System Name	Owner Name	Owner Type	Population Serve
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 I Is the application for a rene □ Yes □ No If yes, does the existing peryears of being authorized being being authorized being being authorized being bein	Phases (Instruction was a permit that contain a phase the py the TCEQ?	ontains an unbuilt pha nat has not been cons e continued need for t	tructed within five the unbuilt phase.

If sludge disposal is authorized in the permit, the boundaries of the land application or

disposal site.

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 <u>N/A</u>
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
<i>provision</i> pertaining to the submission of a summary transmittal letter. Provide a copy of an approval letter from the TCEQ, if applicable .
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
<i>provision</i> pertaining to the submission of a summary transmittal letter. Provide a copy of an approval letter from the TCEQ, if applicable .
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
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.

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.

	he permittees comply with a nuisance odor prevention plan in accordance with 30 TAC§ 09.13(e)(2) approved on May 14, 2014. (TCEQ Log No. 0414/004).
Ot	her actions required by the current permit
Do su	bes the <i>Other Requirements</i> or <i>Special Provisions</i> section in the existing permit require bmission of any other information or other required actions? Examples include of tification of Completion, progress reports, soil monitoring data, etc.
	□ Yes ⊠ No
	yes, provide information below on the status of any actions taken to meet the nditions of an <i>Other Requirement</i> or <i>Special Provision</i> .
N	<u>/A</u>
Gr	it 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.
	<u>N/A</u>
3.	Grit disposal
	Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal?
	\square Yes \square No $\underline{N/A}$
	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.

C.

D.

		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 <u>/A</u>
Ε.	Sto	ormwater 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 <u>N/A</u>
	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.
<i>6.</i>	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 y <u>N/</u>	yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions. $\underline{\mathbf{A}}$
G.	Ot	her 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_5 concentration of the sludge, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.
		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?

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

□ Yes ⊠

<u>N/A</u>			

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.

Table1.0(2) - Pollutant Analysis for Wastewater Treatment FacilitiesSee Attachment F

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , 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
E.coli (CFU/100ml) freshwater	4.79	12.2	3	Grab	4/1 - 4/30/ 2024
Entercocci (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 ₃)*, mg/l	128	128	1	Comp.	7/23/2024 11:59 PM

^{*}TPDES permits only

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

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

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Tom Villanueva

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

Facility Operator's License Number: WWoo46666; Class A License Pending

[†]TLAP permits only

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

A. WWTP's Biosolids Management Facility Type

	7,1
Che	ck all that apply. See instructions for guidance
\boxtimes	Design flow>= 1 MGD
\boxtimes	Serves >= 10,000 people
\boxtimes	Class I Sludge Management Facility (per 40 CFR § 503.9)
\boxtimes	Biosolids generator
	Biosolids end user – land application (onsite)
	Biosolids end user – surface disposal (onsite)
	Biosolids end user – incinerator (onsite)
ww	TP's Biosolids Treatment Process
Che	ck all that apply. See instructions for guidance.
	Aerobic Digestion
	Air Drying (or sludge drying beds)
	Lower Temperature Composting
	Lime Stabilization
	Higher Temperature Composting
	Heat Drying
	Thermophilic Aerobic Digestion
	Beta Ray Irradiation
	Gamma Ray Irradiation
	Pasteurization
	Preliminary Operation (e.g. grinding, de-gritting, blending)
	Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
	Sludge Lagoon
	Temporary Storage (< 2 years)
	Long Term Storage (>= 2 years)
	Methane or Biogas Recovery
⊠ East	Other Treatment Process: <u>Waste activated sludge is transported to Brushy Creek Regional Wastewater Treatment Facility</u> , which is also owned and operated by the applicant.

C. Biosolids Management

B.

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		Amount (ary	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): <u>Waste activated sludge is transported to Brushy Creek Regional East Wastewater Treatment Facility, which is also owned and operated by the applicant.</u>

D. Disposal site

Disposal site name: Brushy Creek Regional East Wastewater Treatment Facility

TCEQ permit or registration number: <u>WQ0010264002</u>

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 \boxtimes	semi-liquid \square	semi-solid □	solid □
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Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 53)

A. Beneficial use authorization

Does th	e existing	permit	include	authori	ization	for	land	applicat	tion c	of sewa	ıge	sludge	for
benefici	al use?												

□ Yes ⊠ No

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

 \square Yes \square 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 <u>N/A</u>

B. Sludge processing authorization

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

Sludge Composting		Yes	\boxtimes	No	
Marketing and Distribution of sludge		Yes	\boxtimes	No	
Sludge Surface Disposal or Sludge Monofill		Yes	\boxtimes	No	
Temporary storage in sludge lagoons		Yes	\boxtimes	No	
If yes to any of the above sludge options and the authorization, is the completed Domestic Waste Technical Report (TCEQ Form No. 10056) attack □ Yes ☑ No	wate	r Permi	Appl	lication: Sewage Slu	
☐ 168 ☑ NO					
Section 11. Sewage Sludge Lagoons (Ins	stru	ctions	Page	e 53)	
Does this facility include sewage sludge lagoons?					
□ Yes ⊠ No					
f yes, complete the remainder of this section. If no,	proc	eed to S	ection	12.	
A. Location information					
The following maps are required to be submitted provide the Attachment Number.	d as p	art of th	ne app	lication. For each ma	ap,
 Original General Highway (County) Map: 					
Attachment: <u>N/A</u>					
 USDA Natural Resources Conservation Ser 	rvice	Soil Map):		
Attachment: <u>N/A</u>					
 Federal Emergency Management Map: 					
Attachment: <u>N/A</u>					
• Site map:					
Attachment: <u>N/A</u>					
Discuss in a description if any of the following eapply.	xist v	vithin th	e lago	oon area. Check all th	ıat
☐ Overlap a designated 100-year frequency	floo	d plain			
\square Soils with flooding classification					
☐ Overlap an unstable area					
□ Wetlands					
☐ Located less than 60 meters from a fault					
☐ None of the above					
Attachment: <u>N/A</u>					
If a portion of the lagoon(s) is located within the the protective measures to be utilized including					.e
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: <u>N/A</u>

pH, standard units: N/A

Ammonia Nitrogen mg/kg: <u>N/A</u>

Arsenic: N/A

Cadmium: <u>N/A</u>

Chromium: N/A

Copper: <u>N/A</u>

Lead: N/A

Mercury: <u>N/A</u>

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

Yes	No	N/A

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

<u>N/A</u>			

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: <u>N/A</u>
 Copy of deed recordation for the site
Attachment: <u>N/A</u>
• Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons
Attachment: <u>N/A</u>
 Description of the method of controlling infiltration of groundwater and surface water from entering the site
Attachment: <u>N/A</u>
 Procedures to prevent the occurrence of nuisance conditions
Attachment: N/A
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 <u>N/A</u>
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
ction 12. Authorizations/Compliance/Enforcement (Instructions Page 55)
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:
/A
Parmittae enforcement status

E.

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 implement schedule, and the current status:	entation _
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

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:
 - o periodically inspected by the TCEQ; or
 - o located in another state and is accredited or inspected by that state; or
 - o 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: 7

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:
 - o periodically inspected by the TCEQ; or
 - o located in another state and is accredited or inspected by that state; or
 - o 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:

gri

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:
 - o periodically inspected by the TCEQ; or
 - o located in another state and is accredited or inspected by that state; or
 - o performing work for another company with a unit located in the same site; or
 - o 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: 1/2/2009

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:
 - o periodically inspected by the TCEQ; or
 - located in another state and is accredited or inspected by that state; or
 - o 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: 7/31/2014

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 64)
Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?
□ Yes ⊠ No
If no , proceed it Section 2. If yes , provide the following:
Owner of the drinking water supply: $\underline{N/A}$
Distance and direction to the intake: N/A
Attach a USGS map that identifies the location of the intake.
Attachment: <u>N/A</u>
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: $\underline{N/A}$
B. Oyster waters
Are there oyster waters in the vicinity of the discharge?
□ Yes □ No <u>N/A</u>
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 <u>N/A</u>
If yes, provide the distance and direction from the outfall(s).
N/A

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:

Classified Segments (Instructions Page 64)

Section 3.

		e names of all perennial strea tream of the discharge point.		oin the receiving water within three miles
	N/A			
D.	Downs	stream characteristics		
		receiving water characteristi rge (e.g., natural or man-mad Yes 🔲 No		within three miles downstream of the onds, reservoirs, etc.)?
	If yes,	discuss how.		
	N/A			
Е.		l dry weather characteristic e general observations of the		dy during normal dry weather conditions.
	Date a	nd time of observation:		
			tormwater	r runoff during observations?
	was th	Yes No	tormwater	Tunon during observations:
		165 🗖 110		
Se	ection	5. General Character Page 66)	ristics o	of the Waterbody (Instructions
A.	Upstre	am influences		
		mmediate receiving water up aced by any of the following?		the discharge or proposed discharge site that apply.
		Oil field activities		l Urban runoff
		Upstream discharges		l Agricultural runoff
		Septic tanks	П	Other(s), specify:

C. Downstream perennial confluences

B. Waterbody uses Observed or evidences of the following uses. Check all that apply. Livestock watering Contact recreation Irrigation withdrawal Non-contact recreation **Fishing Navigation** Domestic water supply Industrial water supply Park activities Other(s), specify: 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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (μg/l)
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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (μg/l)
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	< 0.05	< 0.05	1	0.05
(Lindane)				
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	<10	<10	1	10
[1,3-Dichloropropene]				
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 Azobenzene)	<20	<20	1	20
Fluoranthene	<10	<10	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (μg/l)
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

AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (μg/l)
<0.01	<0.01	1	0.01
<0.05	<0.05	1	0.05
<0.05	<0.05	1	0.05
<0.05	<0.05	1	0.05
<0.05	<0.05	1	0.05
<0.2	<0.2	1	0.2
<0.02	<0.02	1	0.02
<0.1	<0.1	1	0.1
<0.1	<0.1	1	0.1
<0.02	<0.02	1	0.02
<0.01	< 0.01	1	0.01
<0.02	<0.02	1	0.02
<0.1	<0.1	1	0.1
<0.02	<0.02	1	0.02
<0.1	<0.1	1	0.1
< 0.01	< 0.01	1	0.01
< 0.01	<0.01	1	0.01
<0.2	<0.2	1	0.2
<0.2	<0.2	1	0.2
<0.2	<0.2	1	0.2
<0.2	<0.2	1	0.2
<0.2	<0.2	1	0.2
<0.2	<0.2	1	0.2
<0.2	<0.2	1	0.2
<0.3	<0.3	1	0.3
	Effluent Conc. (μg/l) <0.01 <0.05 <0.05 <0.05 <0.02 <0.02 <0.1 <0.02 <0.01 <0.02 <0.01 <0.02 <0.1 <0.02 <0.1 <0.02 <0.1 <0.02 <0.1 <0.02 <0.1 <0.02 <0.1 <0.02 <0.1 <0.02 <0.1 <0.01 <0.01 <0.02 <0.1 <0.01 <0.01 <0.01 <0.01 <0.02 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.	Effluent Conc. (μg/l) Effluent Conc. (μg/l) <0.01	Effluent Conc. (μg/l) Effluent Conc. (μg/l) Samples <0.01

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

Section 3. Dioxin/Furan Compounds

Α.	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.							
	presei							
	presei N/A							
В.	N/A Do yo	u know or have any reason to believe that 2,3,7,8 Tetrachlorodibenzo-P-Dioxin O) or any congeners of TCDD may be present in your effluent?						
В.	N/A Do yo (TCDI	u know or have any reason to believe that 2,3,7,8 Tetrachlorodibenzo-P-Dioxin o) or any congeners of TCDD may be present in your effluent? Yes No						
В.	Do yo (TCDI	u know or have any reason to believe that 2,3,7,8 Tetrachlorodibenzo-P-Dioxin O) or any congeners of TCDD may be present in your effluent?						
В.	N/A Do yo (TCDI	u know or have any reason to believe that 2,3,7,8 Tetrachlorodibenzo-P-Dioxin o) or any congeners of TCDD may be present in your effluent? Yes No						
В.	Do yo (TCDI	u know or have any reason to believe that 2,3,7,8 Tetrachlorodibenzo-P-Dioxin o) or any congeners of TCDD may be present in your effluent? Yes No						
В.	Do yo (TCDI	u know or have any reason to believe that 2,3,7,8 Tetrachlorodibenzo-P-Dioxin o) or any congeners of TCDD may be present in your effluent? Yes No						

C.	If any of the compounds in Subsection A ${f or}$ 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: <u>See Attachment G</u> 48-hour Acute: <u>See Attachment G</u>

Section 2. Toxicity Reduction Evaluations (TREs)

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

Average Daily Flows, in MGD: <u>o</u>

Significant IUs - non-categorical:

Number of IUs: o

Average Daily Flows, in MGD: o

Other IUs:

Number of IUs: o

Average Daily Flows, in MGD: o

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			

	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 eve 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 <u>N/A</u>			
	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			
Se	ection 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 <i>40 CFR §403.18</i> ?			

If yes, identify the modifications that have not been submitted to TCEQ, including the

C. Treatment plant pass through

Yes ⊠

purpose of the modification.

B. Non-substantia	al modifications			
	en any non-substantial nave not been submitte			
□ Yes ⊠				
	all non-substantial mo ourpose of the modific		at have not been	submitted to TCEQ,
N/A	r			
_	neters above the MAL			
In Table 6.0(1),	, list all parameters me	easured above		
In Table 6.0(1), monitoring du	, list all parameters me ring the last three year	easured above		
In Table 6.0(1), monitoring dur Table 6.0(1) - Para	, list all parameters me ring the last three year nmeters Above the MAL	easured above rs. Submit an a	attachment if nec	essary.
In Table 6.0(1), monitoring dur Table 6.0(1) - Para Pollutant	, list all parameters me ring the last three year meters Above the MAL Concentration	easured above		
In Table 6.0(1), monitoring dur Table 6.0(1) - Para	, list all parameters me ring the last three year meters Above the MAL Concentration	easured above rs. Submit an a	attachment if nec	essary.
In Table 6.0(1), monitoring dur Table 6.0(1) - Para Pollutant	, list all parameters me ring the last three year meters Above the MAL Concentration	easured above rs. Submit an a	attachment if nec	essary.
In Table 6.0(1), monitoring dur Table 6.0(1) - Para Pollutant	, list all parameters me ring the last three year meters Above the MAL Concentration	easured above rs. Submit an a	attachment if nec	essary.
In Table 6.0(1), monitoring dur Table 6.0(1) - Para Pollutant	, list all parameters me ring the last three year meters Above the MAL Concentration	easured above rs. Submit an a	attachment if nec	essary.

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
Se	ction 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 90)
Α.	General information Company Name: N/A
	SIC Code: <u>N/A</u> Contact name: <u>N/A</u> Address: <u>N/A</u>
	City, State, and Zip Code: <u>N/A</u> Telephone number: <u>N/A</u>
	Email address: <u>N/A</u>
В.	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

	See the Instructions for definitions of "process" and "non-process wastewater."
	Process Wastewater:
	Discharge, in gallons/day: <u>N/A</u>
	Discharge Type: \square Continuous \square Batch \square Intermittent
	Non-Process Wastewater:
	Discharge, in gallons/day: <u>N/A</u>
	Discharge Type: Continuous Batch Intermittent
E.	Pretreatment standards
	Is the SIU or CIU subject to technically based local limits as defined in the <i>i</i> nstructions?
	□ Yes □ No
	Is the SIU or CIU subject to categorical pretreatment standards found in 40 CFR Parts 405 - 471 ?
	□ Yes □ No
	If subject to categorical pretreatment standards , indicate the applicable category and subcategory for each categorical process.
	Category: Subcategories: <u>N/A</u>
	N/A
	Category: <u>N/A</u>
	Subcategories: <u>N/A</u>
	Category: <u>N/A</u>
	Subcategories: <u>N/A</u>
	Category: <u>N/A</u>
	Subcategories: <u>N/A</u>
	Category: <u>N/A</u>
	Subcategories: <u>N/A</u>
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

No.	<u>Description</u>	<u>Reference</u>
Α	Core Data Form	Admin Rpt 1.0, Section 3.C
В	Plain Language Summary	Admin Rpt 1.0, Section 8.F
С	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
Н	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

SECTION I. General Informe							
1. Reason for Submission (<i>If other is checked please des</i>	cribe in space provided.)						
New Permit, Registration or Authorization (Core Data	Form should be submitted with	the program application.)					
Renewal (Core Data Form should be submitted with the renewal form) Other Change in Ownership							
2. Customer Reference Number (if issued) Follow this link to search Follow this link to search Follow this link to search							
CN 600413181	for CN or RN numbers in Central Registry**	RN 100822592					
SECTION II: Customer Information							
4. General Customer Information 5. Effect	ive Date for Customer Infor	mation Updates (mm/dd/yyyy)	11/12/2024				
☐ New Customer ☐ Update to Cu	ustomer Information	Change in Regulated Entity Ownership	'				
Change in Legal Name (Verifiable with the Texas Secretar	y of State or Texas Comptroller	of Public Accounts)					

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA). **6. Customer Legal Name** (If an individual, print last name first: eg: Doe, John) If new Customer, enter previous Customer below: City of Round Rock 7. TX SOS/CPA Filing Number 8. TX State Tax ID (11 digits) 9. Federal Tax ID 10. DUNS Number (if applicable) (9 digits) ☐ Corporation Individual Partnership: General Limited 11. Type of Customer: Government: City County Federal Local State Other ☐ Sole Proprietorship Other: 12. Number of Employees 13. Independently Owned and Operated? ☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher ☐ Yes ⊠ No 14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following Owner Owner & Operator Operator Other: Occupational Licensee Responsible Party 212 East Main Street 15. Mailing Address: City Round Rock State ZIP 78664 ZIP + 45245 16. Country Mailing Information (if outside USA) 17. E-Mail Address (if applicable) Ihadley@roundrocktexas.gov 18. Telephone Number 19. Extension or Code 20. Fax Number (if applicable)

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(512) 218-5410		(512) 218-7097
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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 Nam	ne (Enter nam	ne of the site wher	re the regulated ac	tion is taking plo	ace.)			
Brushy Creek Regional West Wastewaster Treatment Facility								
23. Street Address of the Regulated Entity:	1116 East Austin Avenue							
(No PO Boxes)	City	Round Rock	State	TX	ZIP	78664	ZIP + 4	
24. County	Williamson							
		If no Stree	et Address is pro	ovided, fields 2	25-28 are re	quired.		
25. Description to								
Physical Location:								
26. Nearest City						State	Nea	rest ZIP Code
Round Rock TX 78664								
Round Rock								
Latitude/Longitude are re used to supply coordinate	-	-	-		Data Standa	rds. (Geocoding of t	the Physical	Address may be
Latitude/Longitude are re	es where no	-	-	in accuracy).		rds. (Geocoding of t	the Physical	Address may be
Latitude/Longitude are re used to supply coordinate	es where no	-	-	in accuracy).	ongitude (V		the Physical	Address may be Seconds
Latitude/Longitude are rused to supply coordinate 27. Latitude (N) In Decim Degrees 30	al: Minutes	ne have been p	Seconds	in accuracy).	ongitude (V	/) In Decimal: Minutes)	Seconds 0
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code	Minutes 30.	30 Secondary SIC	Seconds	28. L Degree 31. Prima	ongitude (Vees 97 ry NAICS Co	/) In Decimal: Minutes 40 de 32. Sec	ondary NAIC	Seconds 0
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits)	Minutes 30.	ne have been p	Seconds	28. L Degree 31. Prima (5 or 6 digs	ongitude (Vees 97 ry NAICS Co	/) In Decimal: Minutes 40	ondary NAIC	Seconds 0
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits)	Minutes 30.	30 Secondary SIC	Seconds 50 Code	28. L Degra 31. Prima (5 or 6 dig)	97 ry NAICS Co	/) In Decimal: Minutes 40 de 32. Sec	ondary NAIC	Seconds 0
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E	Minutes 30. (4 d	30 Secondary SIC	Seconds 50 Code	28. L Degra 31. Prima (5 or 6 dig)	97 ry NAICS Co	/) In Decimal: Minutes 40 de 32. Sec	ondary NAIC	Seconds 0
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits)	Minutes 30. (4 d	30 Secondary SIC	Seconds 50 Code	28. L Degra 31. Prima (5 or 6 dig)	97 ry NAICS Co	/) In Decimal: Minutes 40 de 32. Sec	ondary NAIC	Seconds 0
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E	Minutes 30. (4 d	30 Secondary SIC digits)	Seconds 50 Code	28. L Degra 31. Prima (5 or 6 dig)	97 ry NAICS Co	/) In Decimal: Minutes 40 de 32. Sec	ondary NAIC	Seconds 0
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E	Minutes 30. (4 d	30 Secondary SIC digits)	Seconds 50 Code	28. L Degra 31. Prima (5 or 6 dig)	97 ry NAICS Co	/) In Decimal: Minutes 40 de 32. Sec	ondary NAIC	Seconds 0
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Treatment of domestic waste	Minutes 30. (4 d	30 Secondary SIC digits)	Seconds 50 Code	28. L Degra 31. Prima (5 or 6 dig)	97 ry NAICS Co	/) In Decimal: Minutes 40 de 32. Sec	ondary NAIC	Seconds 0
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Treatment of domestic waste	Minutes 30. (4 d Business of t ewater 3400 Sunr	30 Secondary SIC ligits) this entity? (Do	Seconds 50 Code State	31. Prima (5 or 6 dig	ongitude (Wees 97 ry NAICS Cots)	/) In Decimal: Minutes 40 de 32. Sec (5 or 6 c	ondary NAIC	Seconds 0 CS Code
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Treatment of domestic waste 34. Mailing Address:	Minutes 30. (4 d Business of t ewater 3400 Sunr	30 Secondary SIC ligits) this entity? (Do	Seconds 50 Code State	28. L Degree 31. Prima (5 or 6 dig) 221320 C or NAICS descent	ongitude (Vees 97 ry NAICS Co ts) ription.)	/) In Decimal: Minutes 40 de 32. Sec (5 or 6 c	condary NAIC	Seconds 0 CS Code

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.

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☐ Dam Safety		Districts	☐ Edwards Aquifer ☐ Emissions I		Emissions Invent	ory Air	Industrial Hazardous Wast
I Municipal Solid Waste		New Source	OSSF	[Petroleum Stora	ge Tank	□ pws
Sludge	[Storm Water	☐ Title V Air		Tires		Used Oil
☐ Voluntary Clea	anup [✓ Wastewater	☐ Wastewater Ag	☐ Wastewater Agriculture			Other:
	V	VQ0010264001					
	enni Griesel	3. Ext./Code	44. Fax Number	41. Title:	Project Enginee	er	
10. Name: Je 12. Telephone Nu 512) 687-2193		s. Ext./Code	44. Fax Number	45. E-Mai		er	
12. Telephone Nu 512) 687-2193 ECTION By my signature b	V: Auth	orized S	ignature	45. E-Mai	il Address lummer.com	d complete	
12. Telephone Nu 512) 687-2193 ECTION By my signature be submit this form or	V: Auth	orized S the best of my kno tity specified in Sec	ignature wledge, that the inform	45. E-Mai	il Address lummer.com	d complete	
12. Telephone Nu 512) 687-2193 ECTION By my signature b	V: Authoelow, I certify, to n behalf of the en	the best of my kno tity specified in Sec Rock	ignature wledge, that the inform	jgriesel@p	il Address Jummer.com this form is true an updates to the ID n City Manager	d complete	e, and that I have signature authorit intified in field 39.

TCEQ-10400 (11/22) Page 3 of 3



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

SECTION 1. General Informa							
1. Reason for Submission (If other is checked please des	cribe in space provided.)						
New Permit, Registration or Authorization (Core Data	Form should be submitted with	the program application.)					
Renewal (Core Data Form should be submitted with th	e renewal form)	Other Change in Ownership					
2. Customer Reference Number (if issued)	3. Regulated Entity Reference Number	(if issued)					
CN 600407951	- <u>for CN or RN numbers in</u> <u>Central Registry**</u>	RN 100822592					
SECTION II: Customer Information							
4. General Customer Information 5. Effect	ive Date for Customer Infor	mation Updates (mm/dd/yyyy)	11/12/2024				
☐ New Customer ☐ Update to Cu	ustomer Information	Change in Regulated Entity Ownership					
Change in Legal Name (Verifiable with the Texas Secretar	ry of State or Texas Comptroller	of Public Accounts)					

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA). **6. Customer Legal Name** (If an individual, print last name first: eg: Doe, John) If new Customer, enter previous Customer below: City of Cedar Park 7. TX SOS/CPA Filing Number 8. TX State Tax ID (11 digits) 9. Federal Tax ID 10. DUNS Number (if applicable) (9 digits) ☐ Corporation Individual Partnership: General Limited 11. Type of Customer: Government: City County Federal Local State Other ☐ Sole Proprietorship Other: 12. Number of Employees 13. Independently Owned and Operated? ☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher ☐ Yes ⊠ No 14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following Owner Owner & Operator Operator Other: Occupational Licensee Responsible Party 450 Cypress Creek Road 15. Mailing Bldg 1 Address: City Cedar Park State ZIP 78613 ZIP + 43000 16. Country Mailing Information (if outside USA) 17. E-Mail Address (if applicable) brenda.eivens@cedarparktexas.gov 18. Telephone Number 19. Extension or Code 20. Fax Number (if applicable)

TCEQ-10400 (11/22) Page 1 of 3

(512) 401-5010		(512) 250-8602
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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 Nam	ne (Enter nam	ne of the site wher	re the regulated ac	tion is taking plo	ace.)			
Brushy Creek Regional West Wastewaster Treatment Facility								
23. Street Address of the Regulated Entity:	1116 East Austin Avenue							
(No PO Boxes)	City	Round Rock	State	TX	ZIP	78664	ZIP + 4	
24. County	Williamson							
		If no Stree	et Address is pro	ovided, fields 2	25-28 are re	quired.		
25. Description to								
Physical Location:								
26. Nearest City						State	Nea	rest ZIP Code
Round Rock TX 78664								
Round Rock								
Latitude/Longitude are re used to supply coordinate	-	-	-		Data Standa	rds. (Geocoding of t	the Physical	Address may be
Latitude/Longitude are re	es where no	-	-	in accuracy).		rds. (Geocoding of t	the Physical	Address may be
Latitude/Longitude are re used to supply coordinate	es where no	-	-	in accuracy).	ongitude (V		the Physical	Address may be Seconds
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Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E	Minutes 30. (4 d	30 Secondary SIC digits)	Seconds 50 Code	28. L Degra 31. Prima (5 or 6 dig)	97 ry NAICS Co	/) In Decimal: Minutes 40 de 32. Sec	ondary NAIC	Seconds 0
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Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Treatment of domestic waste	Minutes 30. (4 d Business of t ewater 3400 Sunr	30 Secondary SIC ligits) this entity? (Do	Seconds 50 Code State	31. Prima (5 or 6 dig	ongitude (Wees 97 ry NAICS Cots)	/) In Decimal: Minutes 40 de 32. Sec (5 or 6 c	ondary NAIC	Seconds 0 CS Code
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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.

TCEQ-10400 (11/22) Page 2 of 3

☐ Dam Safety		Districts	Edwards Aquifer		Emissions Inv	entory Air		Industrial Hazardous Waste
☐ Municipal S	olid Waste	New Source Review Air	OSSF		Petroleum St	orage Tank		PWS
Sludge		Storm Water	☐ Title V Air		Tires			Used Oil
☐ Voluntary C	leanup		☐ Wastewater Agricul	ture	Water Rights			Other:
		WQ0010264001						
SECTION	VIV: Pro	eparer Inf	ormation					
40. Name:	Jenni Griesel			41. Title:	Project Engi	neer	-	
42. Telephone	Number	43. Ext./Code	44. Fax Number	45. E-Mail	Address			
(512)687-2193			() -	jgriesel@plu	ummer.com			
SECTION	V: Au	thorized S	<u>ignature</u>					
SECTION V: Authorized Signature 6. 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 of submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.								
Company:	City of Ced	dar Park		Job Title:	City Mana	ger		
Name (In Print):	Brenda Eiv	vens .				Phone:	(512) 401- 5010
Signature:	Pru	nda Erros		-	KW	Date:	8	15/2094

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TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please desc	cribe in space provided.)	
New Permit, Registration or Authorization (Core Data F	Form should be submitted with t	the program application.)
Renewal (Core Data Form should be submitted with the	e renewal form)	Other Change in Ownership
2 Customer Deference Number (if issued)		2. Degulated Futity Defenses Number (if invest)
2. Customer Reference Number (if issued)	Follow this link to search	3. Regulated Entity Reference Number (if issued)
	for CN or RN numbers in	
CN 600135198	Central Registry**	RN 100822592
<u> SECTION II: Customer Infor</u>	<u>mation</u>	

4. General Cu	istomer In	formation	5. Effective	Date for Cu	ustome	er Inf	formation	Update	es (mm/dd/	уууу)		11/12/2024				
☐ New Custor☐ Change in Le		Verifiable with the	Update to Custo Texas Secretary o			ptrol	_	U	egulated Ent	tity Own	ership					
		bmitted here ma	-	utomatical	ly base	ed on	n what is c	urrent	and act i ve	with th	ne Texas Seci	retary of State				
(SOS) or Texa	s comput	oller of Public Acc	ounts (CPA).													
6. Customer	Legal Nam	e (If an individual, _I	print last name fii	rst: eg: Doe, J	lohn)			<u>If nev</u>	Customer,	enter pre	evious Custom	<u>er below:</u>				
City of Austin																
7. TX SOS/CP	A Filing N	umber	8. TX State	Tax ID (11 d	igits)			9. Fe (9 dig	deral Tax I	D	10. DUNS applicable)	Number (if				
11. Type of C	ustomer:	☐ Corpo	ration				☐ Individ	lual		Partne	ership: 🗌 Gen	neral 🗌 Limited				
Government:	City 🔲 (County 🗌 Federal [Local State	e 🗌 Other			Sole P	roprieto	her:							
12. Number o	of Employ	ees				13. Independently Owned and Operated?										
0-20	21-100] 101-250 25	51-500 🛮 501	and higher				☐ Ye	es	⊠ No						
14. Customer	Role (Pro	oosed or Actual) – a	as it relates to the	Regulated E	ntity list	ted or	n this form.	Please d	check one of	the follo	owing					
⊠Owner □Occupation	al Licensee	Operator Responsible		vner & Opera VCP/BSA App					Other:							
15. Mailing	625 East	10th Street														
Address:	Suite 800															
Address.	City	Austin		State	TX		ZIP	7870:	1		ZIP + 4	2612				
16. Country N	Mailing Inf	formation (if outside	de USA)	•		17	. E-Mail Ad	dress	(if applicabl	e)						
						sha	ay.roalson@	austinte	exas.gov							
18. Telephon	e Number			19. Extensio	on or C	ode			20. Fax N	umber	(if applicable)					

TCEQ-10400 (11/22) Page 1 of 3

512) 972-0108		(512) 972-0111
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SECTION III: Regulated Entity Information

21. General Regulated En	tity Informa	ation (If 'New Reg	gulated Entity" is s	elected, a new p	ermit applica	tion is also required.)							
☐ New Regulated Entity	Update to	Regulated Entity	Name 🔀 Upda	te to Regulated	Entity Inform	ation							
The Regulated Entity Nar as Inc, LP, or LLC).	ne submitte	d may be upda	ted, in order to I	neet TCEQ Co	re Data Star	dards (removal of d	organization	al endings such					
22. Regulated Entity Nam	ne (Enter nam	ne of the site wher	re the regulated ac	tion is taking plo	ace.)								
Brushy Creek Regional West	Wastewaster	Treatment Facility	У										
23. Street Address of the Regulated Entity:	1116 East A	Austin Avenue											
(No PO Boxes)	City	Round Rock	State	TX	ZIP	78664	ZIP + 4						
24. County	Williamson												
		If no Stree	et Address is pro	ovided, fields 2	25-28 are re	quired.							
25. Description to													
Physical Location:													
26. Nearest City						State	Nea	rest ZIP Code					
Round Rock TX 78664													
Round Rock													
Latitude/Longitude are re used to supply coordinate	-	-	-		Data Standa	rds. (Geocoding of t	the Physical	Address may be					
Latitude/Longitude are re	es where no	-	-	in accuracy).		rds. (Geocoding of t	the Physical	Address may be					
Latitude/Longitude are re used to supply coordinate	es where no	-	-	in accuracy).	ongitude (V		the Physical	Address may be Seconds					
Latitude/Longitude are rused to supply coordinate 27. Latitude (N) In Decim Degrees 30	al: Minutes	ne have been p	Seconds	in accuracy).	ongitude (V	/) In Decimal: Minutes)	Seconds 0					
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code	Minutes 30.	30 Secondary SIC	Seconds	28. L Degree 31. Prima	ongitude (Vees 97 ry NAICS Co	/) In Decimal: Minutes 40 de 32. Sec	ondary NAIC	Seconds 0					
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits)	Minutes 30.	ne have been p	Seconds	28. L Degree 31. Prima (5 or 6 digs	ongitude (Vees 97 ry NAICS Co	/) In Decimal: Minutes 40	ondary NAIC	Seconds 0					
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits)	Minutes 30.	30 Secondary SIC	Seconds 50 Code	28. L Degra 31. Prima (5 or 6 dig)	97 ry NAICS Co	/) In Decimal: Minutes 40 de 32. Sec	ondary NAIC	Seconds 0					
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E	Minutes 30. (4 d	30 Secondary SIC	Seconds 50 Code	28. L Degra 31. Prima (5 or 6 dig)	97 ry NAICS Co	/) In Decimal: Minutes 40 de 32. Sec	ondary NAIC	Seconds 0					
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits)	Minutes 30. (4 d	30 Secondary SIC	Seconds 50 Code	28. L Degra 31. Prima (5 or 6 dig)	97 ry NAICS Co	/) In Decimal: Minutes 40 de 32. Sec	ondary NAIC	Seconds 0					
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E	Minutes 30. (4 d	30 Secondary SIC digits)	Seconds 50 Code	28. L Degra 31. Prima (5 or 6 dig)	97 ry NAICS Co	/) In Decimal: Minutes 40 de 32. Sec	ondary NAIC	Seconds 0					
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E	Minutes 30. (4 d	30 Secondary SIC digits)	Seconds 50 Code	28. L Degra 31. Prima (5 or 6 dig)	97 ry NAICS Co	/) In Decimal: Minutes 40 de 32. Sec	ondary NAIC	Seconds 0					
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Treatment of domestic waste	Minutes 30. (4 d	30 Secondary SIC digits)	Seconds 50 Code	28. L Degra 31. Prima (5 or 6 dig)	97 ry NAICS Co	/) In Decimal: Minutes 40 de 32. Sec	ondary NAIC	Seconds 0					
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Treatment of domestic waste	Minutes 30. (4 d Business of t ewater 3400 Sunr	30 Secondary SIC ligits) this entity? (Do	Seconds 50 Code State	31. Prima (5 or 6 dig	ongitude (Wees 97 ry NAICS Cots)	/) In Decimal: Minutes 40 de 32. Sec (5 or 6 c	ondary NAIC	Seconds 0 CS Code					
Latitude/Longitude are reused to supply coordinate 27. Latitude (N) In Decim Degrees 30 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Treatment of domestic waste 34. Mailing Address:	Minutes 30. (4 d Business of t ewater 3400 Sunr	30 Secondary SIC ligits) this entity? (Do	Seconds 50 Code State	28. L Degree 31. Prima (5 or 6 dig) 221320 C or NAICS descent	ongitude (Vees 97 ry NAICS Co ts) ription.)	/) In Decimal: Minutes 40 de 32. Sec (5 or 6 c	condary NAIC	Seconds 0 CS Code					

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.

TCEQ-10400 (11/22) Page 2 of 3

Dam Safety		Districts	L Edwards Aquifer		J Emissions Inven	tory Air	Industrial Hazardous Waste
Municipal Solic	l Waste	New Source	□ ossF		Petroleum Stora	ige Tank	□ PWS
Sludge		Storm Water	☐ Title V Air] Tires		Used Oil
☐ Voluntary Clea	nup	⊠ Wastewater	☐ Wastewater Agric	culture [Water Rights		Other
SECTION	IV: P	wq0010264001	formation			10.00	
	nni Griesel			41. Title:	Project Engine	er	
42. Telephone Nu	mber	43. Ext./Code	44. Fax Number	45. E-Mail	Address		
[512] 687-2193			() -	jgriesel@plu	ummer.com		
6. By my signature b	elow, i certi						and that I have signature authority ntified in field 39.
Company:	City of A	Austin		Job Title:	Director of A	ustin Water	
Name (In Print):	Shay Ra	lls Roalson	*		F	hone:	(512) 972-0108

7/31/2024

Date:

Thay Palls Polon

Signature:

TCEQ-10400 (11/22) Page 3 of 3

If new Customer, enter previous Customer below:

Other:

13. Independently Owned and Operated?

⊠ No

10. DUNS Number (if

Partnership: General Limited

applicable)

9. Federal Tax ID

(9 digits)

Individual

☐ Sole Proprietorship

☐ Yes



City of Leander

Owner

7. TX SOS/CPA Filing Number

11. Type of Customer:

12. Number of Employees

TCEQ Core Data Form

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

(SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)

☐ Corporation

Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other

 \square 0-20 \square 21-100 \boxtimes 101-250 \square 251-500 \square 501 and higher

Operator

SECTION 1: General Informa	<u>acton</u>		
1. Reason for Submission (If other is checked please des	scribe in space provided.)		
New Permit, Registration or Authorization (Core Data	Form should be submitted with	the program application.)	
Renewal (Core Data Form should be submitted with the	ne renewal form)	Other Change in Ownership	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in	3. Regulated Entity Reference Numbe	r (if issued)
CN 600646012	Central Registry**	RN 100822592	
SECTION II: Customer Info	<u>rmation</u>		
4. General Customer Information 5. Effect	tive Date for Customer Infor	mation Updates (mm/dd/yyyy)	11/12/2024
☐ New Customer ☐ Update to C	ustomer Information	Change in Regulated Entity Ownership	
☐ Change in Legal Name (Verifiable with the Texas Secreta	ry of State or Texas Comptroller	of Public Accounts)	
The Customer Name submitted here may be update	ed automatically based on w	hat is current and active with the Texas	Secretary of State

8. TX State Tax ID (11 digits)

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

Owner & Operator

Other: Occupational Licensee Responsible Party 201 N. Brushy Street 15. Mailing Address: City Leander State ZIP 78641 ZIP + 4**16. Country Mailing Information** (if outside USA) 17. E-Mail Address (if applicable) iturner@leandertx.gov 18. Telephone Number 19. Extension or Code 20. Fax Number (if applicable)

TCEQ-10400 (11/22) Page 1 of 3

(512) 528-2929		() -
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SECTION III: Regulated Entity Information

21. General Regulated Ent	tity Informa	tion (If 'New Reg	gulated Entity" is seled	cted, a new p	ermit appli	cation is als	o required.)						
New Regulated Entity Update to Regulated Entity Name Update to Regulated Entity Information													
The Regulated Entity Namas Inc, LP, or LLC).	ne submitte	d may be upda	ted, in order to me	et TCEQ Co	re Data St	andards (i	removal of or	ganization	al endings such				
22. Regulated Entity Name	e (Enter nam	e of the site wher	re the regulated action	n is taking plo	ace.)								
Brushy Creek Regional West V	Vastewaster ⁻	Treatment Facility	1										
23. Street Address of the Regulated Entity:	1116 East A	ustin Avenue											
(No PO Boxes)	City	Round Rock	State	TX	ZIP	78664		ZIP + 4					
24. County	Williamson												
		If no Stre	et Address is provi	ded, fields 2	25-28 are	equired.							
25. Description to													
Physical Location:													
26. Nearest City						State		Nea	rest ZIP Code				
Latitude/Longitude are re used to supply coordinate	-	-	-		Data Stand	lards. (Ge	ocoding of th	e Physical .	Address may be				
27. Latitude (N) In Decima	ıl:			28. L	ongitude.	(W) In De	cimal:						
Degrees	Minutes		Seconds	Degre	ees		Minutes		Seconds				
30	,	30	50		97		40		0				
29. Primary SIC Code	30.	Secondary SIC	Code	31. Prima	ry NAICS (Code	32. Seco	ndary NAIC	CS Code				
(4 digits)	(4 di	gits)		(5 or 6 dig	its)		(5 or 6 dig	gits)					
4952				221320									
33. What is the Primary B	usiness of t	his entity? (D	o not repeat the SIC o	r NAICS desc	ription.)								
Treatment of domestic waster	water												
34. Mailing	3400 Sunri	se Road											
-													
Address:													
	City	Round Rock	State	тх	ZIP	78665		ZIP + 4	2398				
35. E-Mail Address:		Round Rock ane@roundrock		тх	ZIP	78665		ZIP + 4	2398				
35. E-Mail Address: 36. Telephone Number							ber (if applicab		2398				
			texas.gov		38.				2398				

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.

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<u> </u>		Districts	☐ Edwards Aquifer		Emissions Inventory Air	Industrial Hazardous Waste
Municipal Sol	id Waste	New Source Review Air	OSSF		Petroleum Storage Tank	PWS
Sludge		Storm Water	☐ Title V Air] Tires	Used Oil
☐ Voluntary Cle	anup	⊠ Wastewater	☐ Wastewater Agricu	ulture] Water Rights	Other:
		WQ0010264001				
SECTION	IV: Pre	eparer Inf	<u>ormation</u>	<u> </u>	QERIN	
40. Name:	enni Griesel			41. Title:	Project Engineer	
42. Telephone N	umber	43. Ext./Code	44. Fax Number	45. E-Mail	Address	
(512)687-2193			() -	jgriesel@plu	ummer.com	,
ECTION		thorized S	_			
	balan Landin	to the best of my know	uladge that the informati			
6. By my signature	n behalf of the	entity specified in Sec	tion II, Field 6 and/or as re	on provided in ti equired for the u	his form is true and complet pdates to the ID numbers id	e, and that I have signature authority entified in field 39.
6. By my signature	City of Lea	entity specified in Sec	tion II, Field 6 and/or as re	Job Title:	pdates to the ID numbers id	e, and that I have signature authority entified in field 39.
6. By my signature submit this form o	n behalf of the	entity specified in Sec	tion II, Field 6 and/or as re	equired for the u	pdates to the ID numbers id	e, and that I have signature authority entified in field 39.

TCEQ-10400 (11/22)

ATTACHMENT B

Plain Language Summary Admin Rpt 1.0, Section 8.F

TCEQ

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

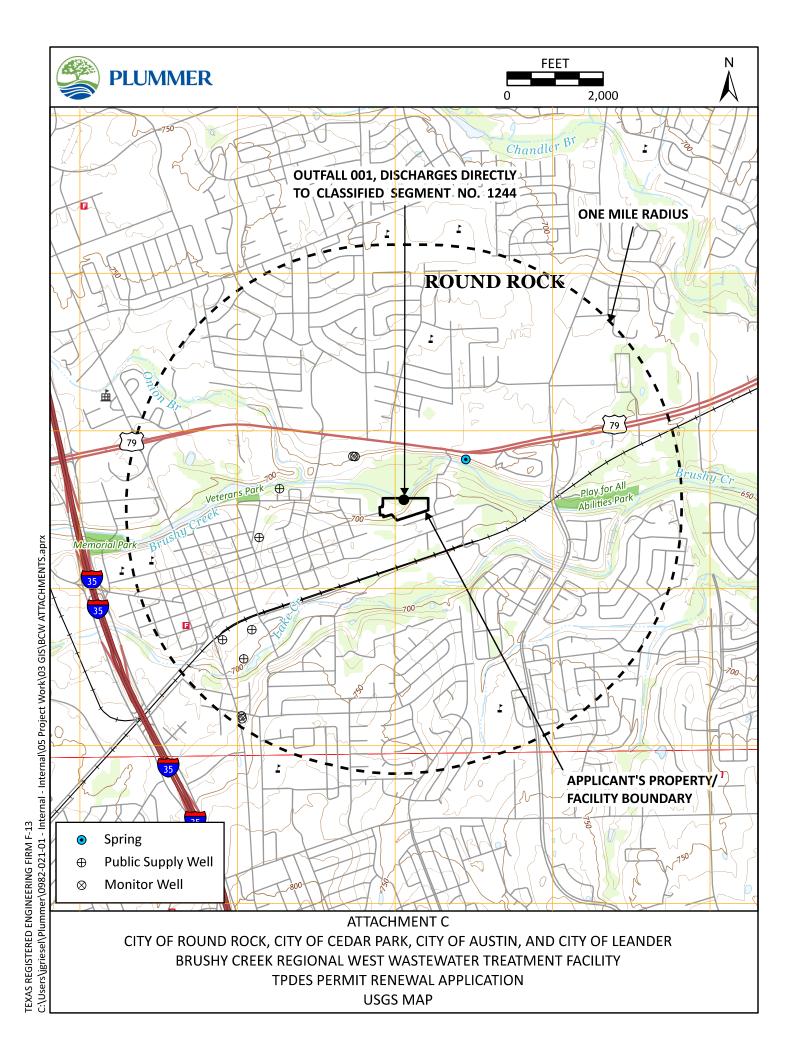
El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar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

La cuidad de Round Rock (CN600413181), la cuidad de Cedar Park (CN600407951), la cuidad de Austin (CN600135198) y la cuidad 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 cuidad 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



ATTACHMENT D

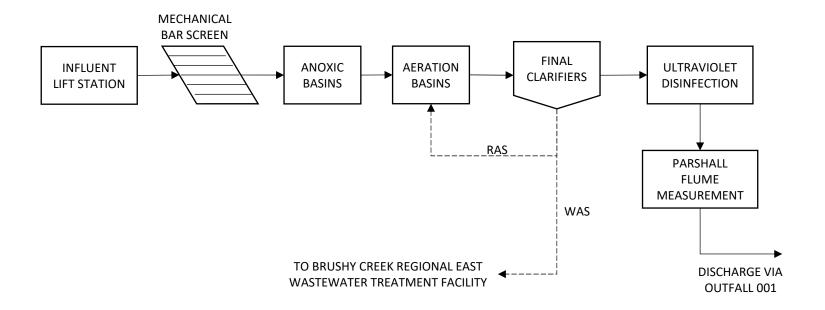
Process Flow Diagram
Tech Rpt 1.0, Section 2.C



LEGEND

—— FLOW STREAM, LIQUIDS

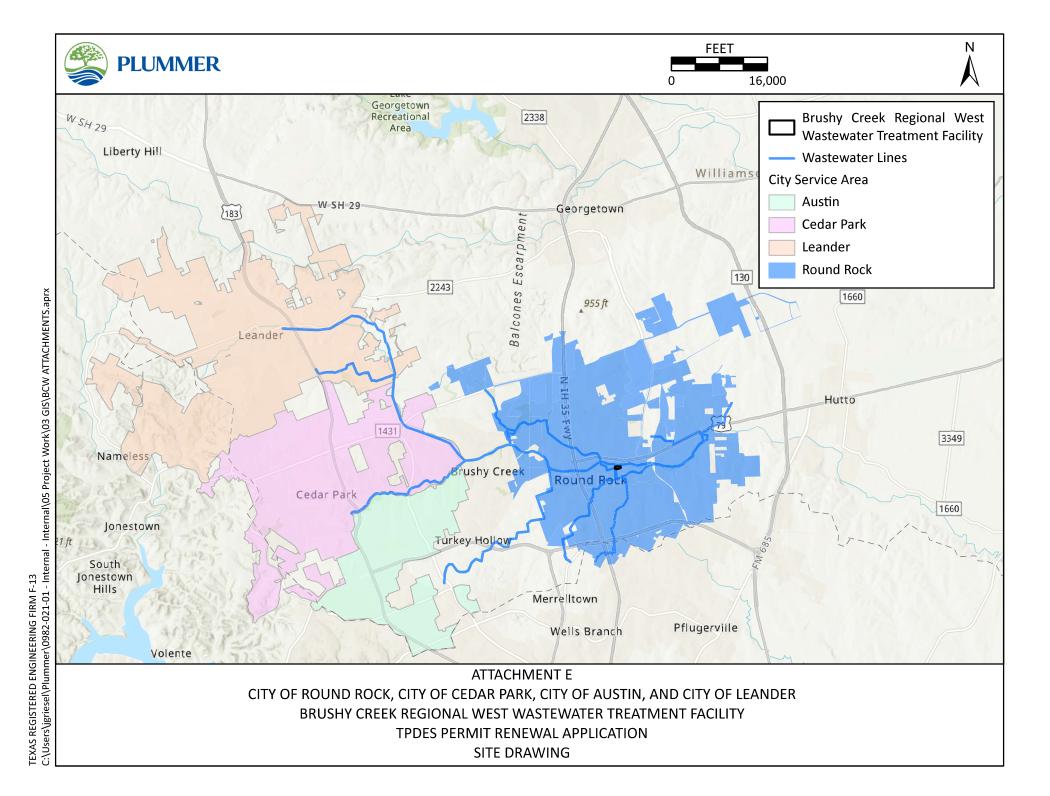
---- FLOW STREAM, SOLIDS



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



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,

John DuPont

General Manager

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



Table of Contents

Miscellaneous Documents	3
CaseNarrative 2402342	21
WorkOrderSampleSummary 2402342	22
PrepDatesReport 2402342	23
AnalyticalDatesReport 2402342	24
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

Email: login@dhlanalytical.com

CHAIN-OF-CUSTODY

LAB USE ONLY CLIENT: City of Round Rock DATE: 02/27/2024 **DHL WORKORDER #:** ADDRESS: 3400 Sunrise Rd., Round Rock, TX 78665 PO#: EMAIL: rbornn@roundrocktexas.gov PHONE: 512-218-6636 PROJECT LOCATION OR NAME: DATA REPORTED TO: rbornn@roundRocktexas.gov IPP West Plant SHORT OTR Im Villanuar ADDITIONAL REPORT COPIES TO: kharris@roundrocktexas.gov COLLECTOR: CLIENT PROJECT # W=WATER SE=SEDIMENT HERB 8321 CT PHOS CT AMMONIA CT METALS 6020 CT 200.8 CT DISS. METALS CT Authorize 5% surcharge PRESERVATION 8082 🗆 608.3 🗆 PCB 8270 🗀 625.1 🗅 TCLP-METALS C) RCRA 8 C) TX-11 C) Pb C) □ 9001 010H □ 9001 H4L □ 5001 H4. PEST 8270 C 625.1 C O-P PEST 8270 C TCLP-SVOC () VOC () PEST () HERB () for TRRP report? P=PAINT L=LIQUID Lab BTEX [] MTBE [] [METHOD 8260] SL=SLUDGE ☐ Yes S=SOIL Use OC 8260 □ VOC 624.1 □ DHA 8270 THOLD PAH GRO BO15 C DRO B015 Only SO=SOLID RCRA 8 TX11 D. NaOH [] DHL Collection Collection Container Matrix HNG **✓** Field Sample I.D. HCL Date Time Type Lab# **FIELD NOTES** jo LLg-HCL Influent Grab 1 12:00 W G 02/27/24 CR(VI) ICE Influent Grab 1 р 02/27/24 12:00 W Relinguished, By: (Sign) LAB USE ONLY THERMO #: **TURN AROUND TIME** (CALL FIRST FOR RUSH) RECEIVING TEMP (°C): IF >6°C, ARE SAMPLES ON ICE AND JUST COLLECTED? YES / NO RUSH-1 DAY□ RUSH-2 DAY□ CUSTODY SEALS ON ICE CHEST: BROKEN DINTACT MOTUSED RUSH-3 DAY□ CARRIER: ☐ LSO ☐ FEDEX ☐ UPS ☐ COURIER ☐ HAND DELIVERED Relinquished By: (Sign) DATE/TIME Received by: NORMAL ✓ OTHER □ DUE DATE

☐ DHL DISPOSAL @ \$10.00 each



Web: www.dhlanalytical.com

CHAIN-OF-CUSTODY

CLIENT: City of Round Rock

ADDRESS: 3400 Sunrise Rd., Round Rock, TX 78665

PHONE: 512-218-6636

EMAIL: rbornn@roundrocktexas.gov

DATA REPORTED TO: rbornn@roundRocktexas.gov

DATA REPORTED TO: rbornn@roundRocktexas.gov

DATA REPORTED TO: rbornn@roundRocktexas.gov

DATA REPORTED TO: rbornn@roundRocktexas.gov

ADDRESS: 3400 Sunrise	Ka., F	kouna ko	CK, 1 X /	8005		יאן	J#;	i													UNL	AA	JRF	CON	DEI	\ #.					. ()
PHONE: 512-218-6636	: 512-218-6636 EMAIL: rbornn@roundrocktexas.							PROJECT LOCATION OR NAME: IPP WEST Plant SHORT OTR																							
DATA REPORTED TO: rbe	ornn@	proundRo	cktexas.	gov															ľ	PP Y	<u>VE</u>	ST	Pla	nt:							
ADDITIONAL REPORT CO	PIES TO): kharris	@roundr	ockte:	xas.gov	CL	IEN'	T PR	OJE	CT	#										COL	LEC	TO	R: _	1	<u> </u>	V	<u>ill (</u>	and	ar	
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Field Sample I.D.	DHL Lab#	Collection Date	Collection Time	Matrix	Container Type	# of Conta	H	HNO3	H2504	1 =	ANIALVEE	BYEX CHATSE CHAPTHOD 8260]	TPH 1005 (1) TPH 1006 (1) HOLD 1006 (1)	GRO BOIS (1) DRO BOIS (1)	VOC 8269 □ VOC 624.1 □	SVOC 8270 LI SVOC 625.1 LI	PAN 8270 HOLD PAH	PEST 8270 □ 625.1 □ 0-P PEST 8270 □ PCS 8270 □	HERB 8321 CT PHOS CHAMONIA CT	METALS 6020 🗆 200.8 🗀 DISS. METALS 🗀	RCPA 8 TX11 C	ANIONS 300 9056	TCLP-SVOC () VOC () PEST () HERB ()	TCLP-METALS CI RCRA 8 CI TX-33 CI Pb CI	RCI CI ISN CI DGAS CI OILAGREASE CI	TOS 🗆 TSS 🗆 % MOIST 🗀 CYANIDE 🗅	LL Hg			FIELD	NOTES
Effluent Grab 1	02	02/27/24	23:59	W	G		$\overline{\mathbf{V}}$		I	Ţ	1					I						I					1	\Box		LLg-H	CL
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Field Sample I.D.	DHL Lab#	Collection Date	Collection Time	Matrix	Container Type	# of Conta	HCL ☐ H ₃ PO ₄ I	HNO3	H ₂ SO₄	- 1	ICE < UNPRESERVE	ANALYSES	BTEX () MTBE () [METHOD 8260]	TPH 1005 (**) TPH 1006 (**) HOLD 1006 (**)	VOC 8260 □ VOC 624.1 □	SVOC 8270 🗀 SVOC 625.1	PAK 8270 🗆 HOLD PAH	PEST 8270 □ 625.1 □ 0-P PEST 8270 □	PCB 8082 ☐ 608.3 ☐ PCB 8270 ☐ 625.1 ☐	HERB 8321 FPHOY < AMMONIA () METALS 6020 () 200.8 DISS. METALS ()	RCM 8 TX11 C	PH□ HEX CHROM□ ALKALINITY□ COD□	ARIONS 300 🗆 9056 🗅	TCLP-SVOC () VOC () PEST () HERB ()	TCLP-METALS C) RCRA 8 C) TX-11 C) P6 C)	RCI 🗆 IGN 🗆 DGAS 🗅 OIL&GREASE 🗆	TOS 🗆 TSS 🗅 % MOIST 🗅 CYANIDE 🗅	Organics E. 632	Elouride Nitrate		FIE	LD N	OTES
Effluent Comp	06	02/28/24	23:59	W	P	1		✓							Ι					√	\Box							I	$oxed{I}$		24	Hr.	Comp
Effluent Comp		02/28/24	23:59	W	P	1			✓		✓	L				L			,								\perp	Ĺ	\perp		24	Hr.	Comp
Effluent Comp	4	02/28/24	23:59	W	P	1					✓					L	Ш						\square					_\	/		24	Hr.	Comp
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2.2924 /3 in // //								les	X		(IRST				- 1			SE ONLY THERMO #: VING TEMP (°C): 0.5°C, 0.4°C 78												
Relinguished By (Sign)	1	121	DATE/TIME		Receiv	ed b	y:	1	,/	٦	RUSH-1 DAY RUSH-2 DAY IF >6°C, A									C, ARE SAMPLES ON ICE AND JUST COLLECTED? YES / NO													
MUMITELLANDO	n 02	1291262	4 09:0	15_	xw	Y	<u> </u>		C					SH-3											CHEST: BROKEN DINTACT ONOT USED								
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☐ DHL DISPOSAL @ \$10.00 each

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 Phenols Cyanide	1-250ml Amber w/H2SO4 1-250ml Amber 1-250ml Plastic w/NaOH	1.54	10	
				LL Hg Chromium VI	1-500 ml glass w/HCl 1-250ml plastic	weg		

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 1-250ml Amber 1-250ml Plastic w/NaOH	2.05	AV	

Date	nme	location	Туре	Parameter	Bottle/Preservative	Flow(MGD)	Tech (Initial)	Comments
Day 1	2359	Effluent	Grab	Oil and Grease Phenols Cyanide	1-250ml Amber w/H2SO4 1-250ml Amber 1-250ml Plastic w/NaOH	1.75		
				LL Hg	1-SOO ml glass w/HCl		1	
				Chromium VI	1-2S0ml plastic		•	

Date	Time	Location	Туре	Parameter	Bottle/Preservative	Flow(MGD)	Tech (Initial)	Comments
Day 1	2359	Influent	Grab		1-250ml Amber w/H25O4 1-250ml Amber	1 37	1	
Day 1	2333	iiiideiit	Glab	Cyanide 	1-250ml Plastic w/NaOH	(-) [14	4

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

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	1	

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

Date	Time	Location	Туре	Parameter	Bottle/Preservative	Flow(MGD)	Tech (Initial)	Comments
Day2	1800	Effluent	Grab	Oil and Grease Phenols Cyanide	1-250ml Amber w/H2SO4 1-250ml Amber 1-250ml Plastic w/NaOH	1.32	4	

Date	Time	Location	Туре	Parameter	Bottle/Preservative	Flow(MGD)	Tech (Initial)	Comments
	Start							
Day 1-	at	Effluent	Comp					
	MIDNIGHT			100 miles				
	Off			Metals (plus Mn & Mo)	1-S00ml plastic w/HNO3	1 70	P	
Day 2 -	at	Effluent	Comp	Phosphorous	1-250ml plastic w/H2SO4	11-13	1/	
	MIDNIGHT			Fluoride/Nitrate	1-250ml plastic			

Day 1

Date Received: 2/27/2024 Received by: KAO Reviewed by: 2/27/2024 Initials Date ellivered No Not Present
Reviewed by: 2/27/2024
elivered No Not Present No Not Present No Not Present
elivered No Not Present No Not Present No Not Present No Not Present
No Not Present Not Present
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No ☐ No VOA vials submitted ✔ NA ☐
No □ NA 🗹 LOT#
d? Checked by
No □ NA ☑ LOT#
d? Checked by
Person contacted:

	Sample	Receipt Check	Klist		
Client Name: CITY OF ROUND ROCK			Date Rece	eived: 2/27/2024	
Work Order Number: 2402342			Received	by: KAO	
Checklist completed by: Signature	2/28/202 Date	4 	Reviewed	by: 2/28/2024 Date	
	I				
	Carrier name:	Hand Delivered			
Shipping container/cooler in good condition?		Yes 🗸	No 🗌	Not Present	
Custody seals intact on shipping container/coole	er?	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#	
		Adjusted?		Checked by	
Water - ph>9 (S) or ph>10 (CN) acceptable upo	n receipt?	Yes	No 🗌	NA ✓ LOT#	
		Adjusted?		Checked by	
Container/Temp Blank temperature in compliand	ce?	Yes 🗹	No 🗌	The second secon	
Cooler# 1					
Temp °C 4.3					
Seal Intact NP					
Any No response must be detailed in the comme				777 NY 1977 A 1977 A 1977 A 1970 A 19	
Client contacted:	Date contacted:	-	Pe	erson contacted:	- management of the control of the c
Contacted by:	Regarding:				
Comments:					
Corrective Action:					

Day	3

	Sample	Receipt C	neckiist		
Client Name: CITY OF ROUND ROCK			Date Rece	eived: 2/27/2024	
Work Order Number: 2402342			Received	oy: KAO	
<i>5</i> *					
Checklist completed by:	2/29/202	24	Reviewed	by:	2/29/2024
Signature	Date			Initials	Date
	Carrier name:	Hand Delive	red		
Shipping container/cooler in good condition?		Yes 🗹	No 🗌	Not Present	
Custody seals intact on shipping container/co	ooler?	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 a	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 subm	nitted 🗹 NA 🗌
Water - pH<2 acceptable upon receipt?		Yes 🗹	No 🗌	NA LOT#	13171
		Adjusted?	no	Checked by	EC
Water - ph>9 (S) or ph>10 (CN) acceptable ι	ıpon receipt?	Yes 🗸	No 🗆	NA LOT#	12798
		Adjusted?	no	Checked by	EL
Container/Temp Blank temperature in compli	iance?	Yes 🗹	No 🗌		
Cooler# 1 2					
Temp °C 0.5 0.6					
Seal Intact NP NP					
Any No response must be detailed in the con	nments section below.				
Client contacted:	Date contacted:		Pe	erson contacted:	
Contacted by:	Regarding:				
Comments:		er man erannan er ja samt - kinar kinar hann dan banksanan kinar (samt kinar banksanan kinar (samt kinar banksanan kinar kinar banksanan kinar k			
		individual day construction and an experience of the construction			
Corrective Action:			annument of the Arthurs of the American September 1	annumber (sele - sele someon aconomics context) for remainded for the minutes context for	

CLIENT: CITY OF ROUND ROCK

Project: IPP West Plant SHORT QTR

Lab Order: 2402342

CASE NARRATIVE

Date: 22-Mar-24

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.

Date: 22-Mar-24

CLIENT: CITY OF ROUND ROCK
Project: IPP West Plant SHORT QTR

Lab Order: 2402342

Work Order Sample Summary

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

CLIENT: CITY OF ROUND ROCK Client Sample ID: Influent Grab 1

Project: IPP West Plant SHORT QTR Lab ID: 2402342-01

Project No: Collection Date: 02/27/24 12:00 PM

Lab Order: 2402342 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF Date Analyzed
MERCURY LOW LEVEL		E24	5.7			Analyst: SUB
Mercury	0.0130	0.00500	0.00500		μg/L	1 03/15/24 08:54 AM
HEXAVALENT CHROMIUM-WATER		M3500-	-CR B			Analyst: JS
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

Qualifiers: * Value exceeds TCLP Maximum Concentration Level

DF Dilution Factor

J Analyte detected between MDL and RLND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

Date: 22-Mar-24

E TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

CLIENT: CITY OF ROUND ROCK Client Sample ID: Effluent Grab 1

Project: IPP West Plant SHORT QTR Lab ID: 2402342-02

Project No: Collection Date: 02/27/24 11:59 PM

Lab Order: 2402342 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
MERCURY LOW LEVEL		E24	5.7				Analyst: SUB
Mercury	<0.00500	0.00500	0.00500		μg/L	1	03/15/24 08:54 AM
HEXAVALENT CHROMIUM-WATER		M3500-	CR B				Analyst: JS
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

Qualifiers: * Value exceeds TCLP Maximum Concentration Level

DF Dilution Factor

J Analyte detected between MDL and RLND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

Date: 22-Mar-24

E TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

CLIENT: CITY OF ROUND ROCK Client Sample ID: Influent Grabs 1-4

Project: IPP West Plant SHORT QTR Lab ID: 2402342-03

Project No: Collection Date: 02/28/24 06:00 AM

Lab Order: 2402342 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed		
TOTAL OIL & GREASE		E166	4A				Analyst: CF		
Oil & Grease	23100	1410	5030		μg/L	1	03/06/24 05:00 PM		
625.1 SEMIVOLATILE WATER		E625.1					Analyst: DEW		
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		
CYANIDE - WATER SAMPLE		M4500-	CN E				Analyst: SMA		
Cyanide, Available	<10.0	10.0	10.0		μg/L	1	03/01/24 03:31 PM		
Cyanide, Total <10.0 10		10.0	10.0		μg/L	1	03/01/24 03:31 PM		

Qualifiers:

* Value exceeds TCLP Maximum Concentration Level

DF Dilution Factor

J Analyte detected between MDL and RLND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

Date: 22-Mar-24

E TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

CLIENT: CITY OF ROUND ROCK Client Sample ID: Effluent Grabs 1-4

Project: IPP West Plant SHORT QTR Lab ID: 2402342-04

Project No: Collection Date: 02/28/24 06:00 PM

Lab Order: 2402342 Matrix: AQUEOUS

Analyses	Result	Result MDL RL Qual Unit				Date Analyzed		
TOTAL OIL & GREASE		E166	4A			Analyst: CF		
Oil & Grease	<1450	1450	5170	μg/L	1	03/06/24 05:00 PM		
625.1 SEMIVOLATILE WATER		E625	5.1			Analyst: DEW		
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		
CYANIDE - WATER SAMPLE		M4500-	CN E			Analyst: SMA		
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		

Qualifiers:

* Value exceeds TCLP Maximum Concentration Level

DF Dilution Factor

J Analyte detected between MDL and RLND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

Date: 22-Mar-24

E TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

CLIENT: CITY OF ROUND ROCK Client Sample ID: Influent Comp

Project: IPP West Plant SHORT QTR
Lab ID: 2402342-05

Project No: Collection Date: 02/28/24 12:00 PM

Lab Order: 2402342 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TOTAL RECOVERABLE METAL	S: ICP-MS	E200.	8				Analyst: SP
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
ANIONS BY IC METHOD - WATE	R	E300)				Analyst: RA
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
TOTAL PHOSPHORUS		M4500-	PΕ				Analyst: KES
Phosphorus	6850	400	1000		μg/L	10	03/05/24 01:11 PM

Qualifiers:

* Value exceeds TCLP Maximum Concentration Level

DF Dilution Factor

J Analyte detected between MDL and RLND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

Date: 22-Mar-24

E TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

CLIENT: CITY OF ROUND ROCK Client Sample ID: Effluent Comp
Project: IPP West Plant SHORT QTR Lab ID: 2402342-06

Project No: Collection Date: 02/28/24 11:59 PM

Lab Order: 2402342 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TOTAL RECOVERABLE METAL	S: ICP-MS	E200.	8				Analyst: SP
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
ANIONS BY IC METHOD - WATE	R	E300)				Analyst: RA
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
TOTAL PHOSPHORUS		M4500-l	PE				Analyst: KES
Phosphorus	171	40.0	100		μg/L	1	03/05/24 01:03 PM

Qualifiers:

* Value exceeds TCLP Maximum Concentration Level

DF Dilution Factor

J Analyte detected between MDL and RLND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

Date: 22-Mar-24

E TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

Date: 22-Mar-24

CLIENT: CITY OF ROUND ROCK

Work Order: 2402342

ANALYTICAL QC SUMMARY REPORT

Project: IPP West Plant SHORT QTR RunID: ICP-MS5_240306B

Sample ID: MB-114311 SampType: MBLK	Batch ID: Run ID:	114311 ICP-MS5	_240306B	TestNo: Analysis	E200 Date: 3/6/2	0.8 2024 10:50:	00 AM	Units: Prep Date:	μg/L 3/5/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	: HighLimit ⁹	%RPD RPDLimit Qu
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: LCS-114311	Batch ID:	114311	·	TestNo:	E20	0.8		Units:	μg/L
SampType: LCS	Run ID:	ICP-MS5	240306B	Analysis	Date: 3/6/2	2024 10:53:	00 AM	Prep Date:	3/5/2024

Sample ID: LCS-114311	Batch ID:	114311		restivo): E20 (0.8		Units:	μg/L	
SampType: LCS	Run ID:	ICP-MS	5_240306B	Analys	is Date: 3/6/2	2024 10:53:	00 AM	Prep Date:	3/5/20	024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD F	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

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Work Order: 2402342

ANALYTICAL QC SUMMARY REPORT

Project: IPP West Plant SHORT QTR

RunID: ICP-MS5_240306B

Sample ID: LCSD-114311	Batch ID: 114311		TestNo): E20	0.8		Units:	μg/L	
SampType: LCSD	Run ID: ICP-MS	S5_240306B	Analys	is Date: 3/6/ 2	2024 10:55:	00 AM	Prep Date:	3/5/2	024
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD I	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: 2402342-06A SD	Batch ID: 114311		TestNo): E20	0.8		Units:	μg/L	
SampType: SD	Run ID: ICP-MS	S5_240306B	Analys	is Date: 3/6/2	2024 11:03:	00 AM	Prep Date:	3/5/2	024
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD I	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	·F 00	10.0	0	0				0	10
	<5.00	10.0	U	U				U	. •
Thallium	<5.00 <2.50	7.50	0	0				0	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

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Work Order: 2402342

ANALYTICAL QC SUMMARY REPORT

Project: IPP West Plant SHORT QTR

RunID: ICP-MS5_240306B

Sample ID: 2402342-06A PDS	Batch ID: 114311		TestNo	: E20 0	0.8		Units:	μg/L
SampType: PDS	Run ID: ICP-MS	5_240306B	Analys	is Date: 3/6/2	2024 11:28:	00 AM	Prep Date:	3/5/2024
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLim	it 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: 2402342-06A MS	Batch ID: 114311		TestNo	: E20 0	n 8		Units:	μg/L
Sample 15. 2402342-00A WIS	Datem D. 114311		ICSUNC		0.0		Orinto.	1.0
SampType: MS		5_240306B		is Date: 3/6/2		00 AM	Prep Date:	
		5_240306B RL					Prep Date:	3/5/2024
SampType: MS	Run ID: ICP-MS		Analys	is Date: 3/6/2	2024 11:32:		Prep Date:	
SampType: MS Analyte	Run ID: ICP-MS Result	RL	Analys SPK value	is Date: 3/6/2	%REC	LowLim	Prep Date:	3/5/2024
SampType: MS Analyte Aluminum, Total	Run ID: ICP-MS Result 5160	RL 30.0	Analys SPK value 5000	Ref Val 31.83	%REC 103	LowLim	Prep Date:	3/5/2024
SampType: MS Analyte Aluminum, Total Antimony, Total	Run ID: ICP-MS Result 5160 214	RL 30.0 2.50	Analys SPK value 5000 200.0	Ref Val 31.83	%REC 103 107	LowLim 70 70	Prep Date: it HighLimit 130 130	3/5/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total	Run ID: ICP-MS Result 5160 214 203	RL 30.0 2.50 5.00	Analys SPK value 5000 200.0 200.0	Ref Val 31.83 0 1.005	%REC 103 107 101	70 70 70	Prep Date: it HighLimit 130 130 130	3/5/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total	Run ID: ICP-MS Result 5160 214 203 249	RL 30.0 2.50 5.00 10.0	SPK value 5000 200.0 200.0 200.0	Ref Val 31.83 0 1.005 44.03	%REC 103 107 101 103	70 70 70 70 70	Prep Date: it HighLimit 130 130 130 130	3/5/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total	Run ID: ICP-MS Result 5160 214 203 249 209	RL 30.0 2.50 5.00 10.0 1.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0	Ref Val 31.83 0 1.005 44.03 0	%REC 103 107 101 103 104	70 70 70 70 70 70	Prep Date: it HighLimit 130 130 130 130 130 130	3/5/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total	Run ID: ICP-MS Result 5160 214 203 249 209 200	RL 30.0 2.50 5.00 10.0 1.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 31.83 0 1.005 44.03 0	%REC 103 107 101 103 104 100	70 70 70 70 70 70 70	Prep Date: it HighLimit 130 130 130 130 130 130 130 130	3/5/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total	Run ID: ICP-MS Result 5160 214 203 249 209 200 204	RL 30.0 2.50 5.00 10.0 1.00 1.00 5.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 31.83 0 1.005 44.03 0 0	%REC 103 107 101 103 104 100 102	70 70 70 70 70 70 70 70	Prep Date: it HighLimit 130 130 130 130 130 130 130 130 130	3/5/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total	Run ID: ICP-MS Result 5160 214 203 249 209 200 204 208	RL 30.0 2.50 5.00 10.0 1.00 1.00 5.00 10.0	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 31.83 0 1.005 44.03 0 0 3.312	%REC 103 107 101 103 104 100 102 102	70 70 70 70 70 70 70 70 70	Prep Date: it HighLimit 130 130 130 130 130 130 130 13	3/5/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total	Run ID: Result 5160 214 203 249 209 200 204 208 203	RL 30.0 2.50 5.00 10.0 1.00 5.00 10.0 1.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 31.83 0 1.005 44.03 0 0 3.312 0	%REC 103 107 101 103 104 100 102 102 102	70 70 70 70 70 70 70 70 70 70	Prep Date: it HighLimit 130 130 130 130 130 130 130 130 130 130	3/5/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese	Run ID: Result 5160 214 203 249 209 200 204 208 203 213	RL 30.0 2.50 5.00 10.0 1.00 1.00 5.00 10.0 1.00 2.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 31.83 0 1.005 44.03 0 0 3.312 0 10.31	%REC 103 107 101 103 104 100 102 102 102 101	70 70 70 70 70 70 70 70 70 70	Prep Date: it HighLimit 130 130 130 130 130 130 130 130 130 130	3/5/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese Molybdenum	Run ID: Result 5160 214 203 249 209 200 204 208 203 213 210	RL 30.0 2.50 5.00 10.0 1.00 5.00 10.0 2.00 5.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 31.83 0 1.005 44.03 0 0 3.312 0 10.31 2.950	%REC 103 107 101 103 104 100 102 102 102 101 104	70 70 70 70 70 70 70 70 70 70 70	Prep Date: it HighLimit 130 130 130 130 130 130 130 130 130 130	3/5/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese Molybdenum Nickel, Total	Run ID: Result 5160 214 203 249 209 200 204 208 203 213 210 202	RL 30.0 2.50 5.00 10.0 1.00 5.00 10.0 2.00 5.00 10.0	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 31.83 0 1.005 44.03 0 0 3.312 0 10.31 2.950 0	%REC 103 107 101 103 104 100 102 102 101 104 101	70 70 70 70 70 70 70 70 70 70 70 70	Prep Date: it HighLimit 130 130 130 130 130 130 130 13	3/5/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese Molybdenum Nickel, Total Selenium, Total	Run ID: Result 5160 214 203 249 209 200 204 208 203 213 210 202 203	RL 30.0 2.50 5.00 10.0 1.00 1.00 5.00 10.0 2.00 5.00 10.0 5.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 31.83 0 1.005 44.03 0 0 3.312 0 10.31 2.950 0 0	%REC 103 107 101 103 104 100 102 102 101 104 101 104 101 102	70 70 70 70 70 70 70 70 70 70 70 70	Prep Date: it HighLimit 130 130 130 130 130 130 130 13	3/5/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese Molybdenum Nickel, Total Selenium, Total Silver, Total	Run ID: Result 5160 214 203 249 209 200 204 208 203 213 210 202 203 207	RL 30.0 2.50 5.00 10.0 1.00 5.00 10.0 1.00 2.00 5.00 10.0 5.00 2.00 5.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 31.83 0 1.005 44.03 0 0 3.312 0 10.31 2.950 0 0	%REC 103 107 101 103 104 100 102 102 101 104 101 102 101 104 101 102 101 104	70 70 70 70 70 70 70 70 70 70 70 70 70	Prep Date: it HighLimit 130 130 130 130 130 130 130 130 130 130	3/5/2024

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

 $R \quad \ RPD \ outside \ accepted \ control \ \ limits$

S Spike Recovery outside control limits

N Parameter not NELAP certified

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Work Order: 2402342

ANALYTICAL QC SUMMARY REPORT

Project: IPP West Plant SHORT QTR

RunID: ICP-MS5_240306B

Sample ID: 2402342-06A MSD	Batch ID:	114311		TestNo	o: E2	8.00		Units:	μg/L	
SampType: MSD	Run ID:	ICP-MS	5_240306B	Analys	sis Date: 3/6	6/2024 11:35:0	00 AM	Prep Date:	3/5/2	024
Analyte	İ	Result	RL	SPK value	Ref Val	%REC	LowLim	it 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

 $R \quad \ RPD \ outside \ accepted \ control \ \ limits$

S Spike Recovery outside control limits

N Parameter not NELAP certified

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Work Order: 2402342

ANALYTICAL QC SUMMARY REPORT

Project: IPP West Plant SHORT QTR

RunID: ICP-MS5_240306B

Sample ID: ICV-240306	Batch ID:	R131805	5	TestNo	E200	0.8		Units:	μg/L	•
SampType: ICV	Run ID:	ICP-MS	5_240306B	Analys	is Date: 3/6/2	2024 10:02:	00 AM	Prep Date	e:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it 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: CCV1-240306	Batch ID:	R131805	;	TestNo): E20 0	0.8		Units:	μg/L	
SampType: CCV	Run ID:	ICP-MS	5_240306B	Analys	is Date: 3/6/2	2024 10:43:	00 AM	Prep Date	e:	
Analyte		Result								RPDLimit Qual
1		resuit	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD	
Aluminum, Total		4950	30.0	SPK value 5000	Ref Val	%REC 99.0	LowLim 90	it HighLimit 110	%RPD	
									%RPD	
Aluminum, Total		4950	30.0	5000	0	99.0	90	110	: %RPD	
Aluminum, Total Antimony, Total		4950 203	30.0 2.50	5000 200.0	0	99.0 102	90 90	110 110	: %RPD	
Aluminum, Total Antimony, Total Arsenic, Total		4950 203 200	30.0 2.50 5.00	5000 200.0 200.0	0 0 0	99.0 102 99.9	90 90 90	110 110 110	: %RPD	
Aluminum, Total Antimony, Total Arsenic, Total Barium, Total		4950 203 200 199	30.0 2.50 5.00 10.0	5000 200.0 200.0 200.0	0 0 0	99.0 102 99.9 99.3	90 90 90 90	110 110 110 110	: %RPD	
Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total		4950 203 200 199 197	30.0 2.50 5.00 10.0 1.00	5000 200.0 200.0 200.0 200.0	0 0 0 0	99.0 102 99.9 99.3 98.3	90 90 90 90 90	110 110 110 110 110	: %RPD	
Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total		4950 203 200 199 197 196	30.0 2.50 5.00 10.0 1.00	5000 200.0 200.0 200.0 200.0 200.0	0 0 0 0 0	99.0 102 99.9 99.3 98.3 98.1	90 90 90 90 90 90	110 110 110 110 110 110	: %RPD	
Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total		4950 203 200 199 197 196 195	30.0 2.50 5.00 10.0 1.00 1.00 5.00	5000 200.0 200.0 200.0 200.0 200.0 200.0	0 0 0 0 0 0	99.0 102 99.9 99.3 98.3 98.1	90 90 90 90 90 90	110 110 110 110 110 110 110	: %RPD	
Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total		4950 203 200 199 197 196 195 202	30.0 2.50 5.00 10.0 1.00 1.00 5.00	5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0	0 0 0 0 0 0	99.0 102 99.9 99.3 98.3 98.1 97.4 101	90 90 90 90 90 90 90	110 110 110 110 110 110 110 110	: %RPD	
Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total		4950 203 200 199 197 196 195 202 196	30.0 2.50 5.00 10.0 1.00 1.00 5.00 10.0	5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	0 0 0 0 0 0 0	99.0 102 99.9 99.3 98.3 98.1 97.4 101 97.8	90 90 90 90 90 90 90 90	110 110 110 110 110 110 110 110 110	: %RPD	
Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese Molybdenum		4950 203 200 199 197 196 195 202 196 198	30.0 2.50 5.00 10.0 1.00 1.00 5.00 10.0 1.00 2.00 5.00	5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	0 0 0 0 0 0 0	99.0 102 99.9 99.3 98.3 98.1 97.4 101 97.8 98.8	90 90 90 90 90 90 90 90	110 110 110 110 110 110 110 110 110	: %RPD	
Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese Molybdenum Nickel, Total		4950 203 200 199 197 196 195 202 196 198 198 200	30.0 2.50 5.00 10.0 1.00 5.00 10.0 1.00 2.00 5.00 10.0	5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	0 0 0 0 0 0 0 0	99.0 102 99.9 99.3 98.3 98.1 97.4 101 97.8 98.8 99.0	90 90 90 90 90 90 90 90 90 90	110 110 110 110 110 110 110 110 110 110	: %RPD	
Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese Molybdenum Nickel, Total Selenium, Total		4950 203 200 199 197 196 195 202 196 198 198 200 205	30.0 2.50 5.00 10.0 1.00 5.00 10.0 2.00 5.00 10.0 5.00	5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	0 0 0 0 0 0 0 0 0	99.0 102 99.9 99.3 98.3 98.1 97.4 101 97.8 98.8 99.0 100	90 90 90 90 90 90 90 90 90 90	110 110 110 110 110 110 110 110 110 110	: %RPD	
Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese Molybdenum Nickel, Total		4950 203 200 199 197 196 195 202 196 198 198 200	30.0 2.50 5.00 10.0 1.00 5.00 10.0 1.00 2.00 5.00 10.0	5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	0 0 0 0 0 0 0 0	99.0 102 99.9 99.3 98.3 98.1 97.4 101 97.8 98.8 99.0	90 90 90 90 90 90 90 90 90 90	110 110 110 110 110 110 110 110 110 110	: %RPD	

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

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Work Order: 2402342

ANALYTICAL QC SUMMARY REPORT

Project: IPP West Plant SHORT QTR RunID: ICP-MS5_240306B

Sample ID: CCV2-240306	Batch ID:	R131805	5	TestNo): E20 0	0.8		Units:	μg/L	-
SampType: CCV	Run ID:	ICP-MS	5_240306B	Analys	is Date: 3/6/2	2024 11:37:	00 AM	Prep Date) :	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t 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: CCV3-240306	Batch ID:	R131805	5	TestNo): E20 0	0.8		Units:	μg/L	-
Sample ID: CCV3-240306 SampType: CCV	Batch ID: Run ID:		5 5_240306B		E200 is Date: 3/6/2		00 PM	Units: Prep Date		-
	Run ID:							Prep Date	e:	RPDLimit Qual
SampType: CCV	Run ID:	ICP-MS	5_240306B	Analys	is Date: 3/6/2	2024 12:05:		Prep Date	e:	
SampType: CCV Analyte	Run ID:	ICP-MS:	5_240306B RL	Analys	is Date: 3/6/2	%REC	LowLimi	Prep Date	e:	
SampType: CCV Analyte Aluminum, Total	Run ID:	ICP-MS: Result	RL 30.0	Analys SPK value 5000	is Date: 3/6/2 Ref Val	%REC	LowLimi	Prep Date it HighLimit 110	e:	
SampType: CCV Analyte Aluminum, Total Antimony, Total	Run ID:	ICP-MS: Result 5000 206	RL 30.0 2.50	Analys SPK value 5000 200.0	is Date: 3/6/2 Ref Val 0 0	%REC 100 103	LowLimi 90 90	Prep Date It HighLimit 110 110	e:	
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total	Run ID:	Result 5000 206 202	RL 30.0 2.50 5.00	Analys SPK value 5000 200.0 200.0	Ref Val 0 0 0	%REC 100 103 101	90 90 90	Prep Date It HighLimit 110 110 110	e:	
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total	Run ID:	Result 5000 206 202 201	RL 30.0 2.50 5.00 10.0	Analys SPK value 5000 200.0 200.0 200.0	Ref Val 0 0 0 0	%REC 100 103 101 100	90 90 90 90 90	Prep Date It HighLimit 110 110 110 110	e:	
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total	Run ID:	Result 5000 206 202 201 200	RL 30.0 2.50 5.00 10.0 1.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0	Ref Val 0 0 0 0 0 0	%REC 100 103 101 100 99.8	90 90 90 90 90 90	Prep Date It HighLimit 110 110 110 110 110 110	e:	
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total	Run ID:	Result 5000 206 202 201 200 201	RL 30.0 2.50 5.00 10.0 1.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0	o 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	%REC 100 103 101 100 99.8 100	90 90 90 90 90 90 90	Prep Date It HighLimit 110 110 110 110 110 110 110 1	e:	
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total	Run ID:	ICP-MS: Result 5000 206 202 201 200 201 201	RL 30.0 2.50 5.00 10.0 1.00 5.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	o O O O O O O O O O O O O O O O O O O O	%REC 100 103 101 100 99.8 100 101	90 90 90 90 90 90 90 90	Prep Date It HighLimit 110 110 110 110 110 110 110 110	e:	
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total	Run ID:	Result 5000 206 202 201 200 201 201 210	RL 30.0 2.50 5.00 10.0 1.00 5.00 10.0	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	0 0 0 0 0 0 0 0	%REC 100 103 101 100 99.8 100 101 105	90 90 90 90 90 90 90 90 90	Prep Date It HighLimit 110 110 110 110 110 110 110 1	e:	
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total	Run ID:	Result 5000 206 202 201 200 201 201 210 196	RL 30.0 2.50 5.00 10.0 1.00 5.00 10.0 1.00 5.00 10.0	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	0 0 0 0 0 0 0 0 0	%REC 100 103 101 100 99.8 100 101 105 98.0	90 90 90 90 90 90 90 90 90	Prep Date It HighLimit 110 110 110 110 110 110 110 1	e:	
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese	Run ID:	Result 5000 206 202 201 200 201 201 210 196 200	RL 30.0 2.50 5.00 10.0 1.00 1.00 5.00 10.0 1.00 2.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	0 0 0 0 0 0 0 0 0 0	%REC 100 103 101 100 99.8 100 101 105 98.0 100	90 90 90 90 90 90 90 90 90 90	Prep Date it HighLimit 110 110 110 110 110 110 110 1	e:	
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese Molybdenum	Run ID:	Result 5000 206 202 201 200 201 201 210 196 200 203	RL 30.0 2.50 5.00 10.0 1.00 5.00 10.0 1.00 2.00 5.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	sis Date: 3/6/2 Ref Val 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	%REC 100 103 101 100 99.8 100 101 105 98.0 100 101	90 90 90 90 90 90 90 90 90 90	Prep Date it HighLimit 110 110 110 110 110 110 110 110 110 1	e:	
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Chromium, Total Lead, Total Manganese Molybdenum Nickel, Total	Run ID:	Result 5000 206 202 201 200 201 201 210 196 200 203 207	RL 30.0 2.50 5.00 10.0 1.00 5.00 10.0 1.00 2.00 5.00 10.0	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	o O O O O O O O O O O O O O O O O O O O	%REC 100 103 101 100 99.8 100 101 105 98.0 100 101 104	90 90 90 90 90 90 90 90 90 90 90	Prep Date It HighLimit 110 110 110 110 110 110 110 110 110 1	e:	
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Chromium, Total Lead, Total Manganese Molybdenum Nickel, Total Selenium, Total	Run ID:	Result 5000 206 202 201 200 201 201 210 196 200 203 207 207	RL 30.0 2.50 5.00 10.0 1.00 1.00 5.00 10.0 1.00 5.00 10.0 5.00 5.0	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	o Date: 3/6/2 Ref Val 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	%REC 100 103 101 100 99.8 100 101 105 98.0 100 101 104 104	90 90 90 90 90 90 90 90 90 90 90	Prep Date It HighLimit 110 110 110 110 110 110 110 110 110 1	e:	

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

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CLIENT: CITY OF ROUND ROCK ANALYTICAL QC SUMMARY REPORT

Work Order: 2402342

GCMS9_240305E **RunID: Project:** IPP West Plant SHORT QTR

The QC data in batch 114319 ap	plies to the	following sa	amples: 240	2342-03B, 2402	2342-04B				
Sample ID: LCS-114319	Batch ID:	114319		TestNo	E62	5.1		Units:	μg/L
SampType: LCS	Run ID:	GCMS9_	240305E	Analysi	s Date: 3/5/	2024 5:08:0	0 PM	Prep Date:	3/5/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit Qua
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: MB-114319	Batch ID:	114319		TestNo	E62	5.1		Units:	μg/L
SampType: MBLK	Run ID:	GCMS9_	240305E	Analysi	s Date: 3/5/ 2	2024 7:00:0	0 PM	Prep Date:	3/5/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit Qua
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: Analyte detected in the associated Method Blank

> J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits Page 7 of 17

Spike Recovery outside control limits

Parameter not NELAP certified

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Work Order: 2402342

ANALYTICAL QC SUMMARY REPORT

Project: IPP West Plant SHORT QTR RunID

RunID: GCMS9_240305E

Sample ID: ICV-240305 SampType: ICV	Batch ID: Run ID:	R131801 GCMS9_2	240305E	TestNo Analysi		5.1 2024 4:46:0	D PM	Units: Prep Date	μg/L	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t 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

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ANALYTICAL QC SUMMARY REPORT

Work Order: 2402342

Project: IPP West Plant SHORT QTR RunID: WC_240306C

		(
The QC data in batch 114341	applies to the	following s	amples: 240)2342-03C, 240	2342-04C					
Sample ID: MB-114341	Batch ID:	114341		TestNo	E16	64A		Units:	μg/L	
SampType: MBLK	Run ID:	WC_240)306C	Analysi	s Date: 3/6/2	2024 5:00:0	0 PM	Prep Date:	3/6/202	4
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RF	PDLimit Qua
Oil & Grease		1800	5000							
Sample ID: LCS-114341	Batch ID:	114341		TestNo	E16	64A		Units:	μg/L	
SampType: LCS	Run ID:	WC_240)306C	Analysi	s Date: 3/6/2	2024 5:00:0	0 PM	Prep Date:	3/6/202	4
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RF	PDLimit Qua
Oil & Grease		34400	5000	40000	0	86.0	78	114		
Sample ID: LCSD-114341	Batch ID:	114341		TestNo	E16	64A		Units:	μg/L	
SampType: LCSD	Run ID:	WC_240)306C	Analysi	s Date: 3/6/2	2024 5:00:0	0 PM	Prep Date:	3/6/202	4
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RF	PDLimit Qua
Oil & Grease		38900	5000	40000	0	97.3	78	114	12.3	18

Qualifiers: B Analyte detected in the associated Method Blank

 $J \quad \ \ Analyte \ detected \ between \ MDL \ and \ RL$

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

 $\begin{array}{ll} S & \text{Spike Recovery outside control limits} \\ N & \text{Parameter not NELAP certified} \end{array}$

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Work Order: 2402342

ANALYTICAL QC SUMMARY REPORT

Project: IPP West Plant SHORT QTR RunID: IC2_240229A

The OO 1 1	- 1- 1-1-1-444005	-P (- P	(-11	-1 0404	20.40.050.0400	0.40.000					
The QC data	a in batch 114265 ap	plies to the	tollowing samp	oles: 2402	2342-05C, 2402	342-06C					
Sample ID:	MB-114265	Batch ID:	114265		TestNo:	E300			Units:	μg/L	
SampType:	MBLK	Run ID:	IC2_240229	Α	Analysis	Date: 2/29/2	:024 7:03:	26 PM	Prep Date:	2/29/20	024
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit ⁽	%RPD R	PDLimit Qual
Fluoride			<100	400							
Nitrate-N			<100	500							
Sample ID:	LCS-114265	Batch ID:	114265		TestNo:	E300			Units:	μg/L	
SampType:	LCS	Run ID:	IC2_240229	Α	Analysis	Date: 2/29/2	024 7:21:	26 PM	Prep Date:	2/29/20	024
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit ⁽	%RPD R	PDLimit Qual
Fluoride			4120	400	4000	0	103	90	110		
Nitrate-N			4730	500	5000	0	94.5	90	110		
Sample ID:	LCSD-114265	Batch ID:	114265		TestNo:	E300			Units:	μg/L	
SampType:	LCSD	Run ID:	IC2_240229	Α	Analysis	Date: 2/29/2	024 7:39:	26 PM	Prep Date:	2/29/20	024
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit ⁽	%RPD R	PDLimit 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:	2402403-01DMS	Batch ID:	114265		TestNo:	E300			Units:	μg/L	
SampType:	MS	Run ID:	IC2_240229	Α	Analysis	Date: 2/29/2	024 10:57	7:26 PM	Prep Date:	2/29/20	024
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit ⁽	%RPD R	PDLimit Qual
Fluoride		2	2040000	40000	2000000	0	102	90	110		
Nitrate-N			442000	50000	452000	0	97.9	90	110		
Sample ID:	2402403-01DMSD	Batch ID:	114265		TestNo:	E300			Units:	μg/L	
SampType:	MSD	Run ID:	IC2_240229	Α	Analysis	Date: 2/29/2	024 11:15	5:26 PM	Prep Date:	2/29/20	024
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit ⁽	%RPD R	PDLimit Qual
· · · · · · · · · · · · · · · · · · ·	·		· · · · · · · · · · · · · · · · · · ·		·				440		
Fluoride		2	2030000	40000	2000000	0	101	90	110	0.476	20

Qualifiers: B Analyte detected in the associated Method Blank

 $J \quad \ \ Analyte \ detected \ between \ MDL \ and \ RL$

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

Page 10 of 17

S Spike Recovery outside control limits

Work Order: 2402342

ANALYTICAL QC SUMMARY REPORT

Project: IPP West Plant SHORT QTR RunID: IC2_240229A

Sample ID: ICV-240229 SampType: ICV	Batch ID: Run ID:	R131709 IC2_240229	4	TestNo: Analysis	E3 (Date: 2/2	00 29/2024 6:27:26 F	PM	Units: Prep Date:	μg/L	
Analyte		Result	RL	SPK value	Ref Val	%REC Lo	wLimit	HighLimit	%RPD R	PDLimit Qual
Fluoride Nitrate-N		10300 12300	400 500	10000 12500	0 0	103 98.1	90 90	110 110		

Sample ID: CCV1-240229	Batch ID:	R13170	9	TestNo): E3	00		Units:	μg/L	=
SampType: CCV	Run ID:	IC2_240	0229A	Analys	is Date: 3/1	/2024 12:09:	26 AM	Prep Date	:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	t 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

Page 11 of 17

Work Order: 2402342

ANALYTICAL QC SUMMARY REPORT

Project: IPP West Plant SHORT QTR

RunID: UV/VIS_2_240228B

The QC data in batch 114226 app	olies to the	following sam	ples: 2402	2342-01A, 2402	342-02A					
Sample ID: MB-114226	Batch ID:	114226		TestNo:	M350	00-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	LowLimi	t HighLimit %	6RPD RPDLim	it Qual
Chromium (Hex) Chromium (Tri)		<3.00 <2.00	3.00 3.00							N
Sample ID: LCS-114226	Batch ID:	114226		TestNo:	M350	00-Cr B		Units:	μg/L	
SampType: LCS	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	LowLimi	t HighLimit %	6RPD RPDLim	it Qual
Chromium (Hex)		99.6	3.00	100.0	0	99.6	85	115		
Sample ID: LCSD-114226	Batch ID:	114226		TestNo:	M35	00-Cr B		Units:	μg/L	
SampType: LCSD	Run ID:	UV/VIS_2_	240228B	Analysis	Date: 2/28/	/2024 10:33	:00 AM	Prep Date:	2/28/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	6RPD RPDLim	it 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:	M350	00-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	LowLimi	t HighLimit %	6RPD RPDLim	it Qual
Chromium (Hex)		99.3	3.00	100.0	0	99.3	85	115		
Sample ID: 2402342-02A MSD	Batch ID:	114226		TestNo:	M35	00-Cr B		Units:	μg/L	
SampType: MSD	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	LowLimi	t HighLimit %	6RPD RPDLim	it 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

 $J \quad \ \ Analyte \ detected \ between \ MDL \ and \ RL$

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

Page 12 of 17

S Spike Recovery outside control limits

Work Order: 2402342

ANALYTICAL QC SUMMARY REPORT

Project: IPP West Plant SHORT QTR RunID: UV/VIS_2_240228B

Sample ID: ICV-240228 SampType: ICV	Batch ID: Run ID:	R131658	2 240228B	TestNo:		500-Cr B 8/2024 10:28	:00 AM	Units: Prep Date	μg/L	
Analyte		Result	RL	SPK value	Ref Val	%REC		<u>'</u>		RPDLimit Qual
Chromium (Hex)		97.1	3.00	100.0	0	97.1	90	110		
Sample ID: CCV-240228	Batch ID:	R131658		TestNo:	M35	500-Cr B		Units:	μg/L	-
SampType: CCV	Run ID:	UV/VIS_	2_240228B	Analysis	Date: 2/28	8/2024 10:43	:00 AM	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		

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

 $R \quad \ RPD \ outside \ accepted \ control \ \ limits$

S Spike Recovery outside control limits

N Parameter not NELAP certified

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CLIENT: CITY OF ROUND ROCK Work Order: 2402342

ANALYTICAL QC SUMMARY REPORT

Project: IPP West Plant SHORT QTR

UV/VIS_2_240301B **RunID:**

The QC data in batch 114271 applies to the following samples: 2402342-03A, 2402342-04A											
Sample ID: MB-114271	Batch ID:	114271		TestNo:	M450	00-CN E		Units:	μg/L		
SampType: MBLK	Run ID:	UV/VIS_2_	240301B	Analysis	Date: 3/1/2	024 3:25:00) PM	Prep Date:	3/1/2024		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	6RPD RPDLimit Qual		
Cyanide, Available		<10.0	20.0								
Cyanide, Total		<10.0	20.0								
Sample ID: LCS-114271	Batch ID:	114271		TestNo:	M450	00-CN E		Units:	μg/L		
SampType: LCS	Run ID:	UV/VIS_2_	240301B	Analysis	Date: 3/1/2	024 3:25:00) PM	Prep Date:	3/1/2024		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	6RPD RPDLimit Qual		
Cyanide, Total		192	20.0	200	0	95.8	85	115			
Sample ID: 2402341-04AMS	Batch ID:	114271		TestNo:	M450	00-CN E		Units:	μg/L		
SampType: MS	Run ID:	UV/VIS_2_	240301B	Analysis	Date: 3/1/2	024 3:26:00) PM	Prep Date:	3/1/2024		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	6RPD RPDLimit Qual		
Cyanide, Total		177	20.0	200	0	88.4	79	114			
Sample ID: 2402341-04AMSD	Batch ID:	114271		TestNo:	M450	00-CN E		Units:	μg/L		
SampType: MSD	Run ID:	UV/VIS_2_	240301B	Analysis	Date: 3/1/2	024 3:26:00	PM (Prep Date:	3/1/2024		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	6RPD RPDLimit Qual		
Cyanide, Total		177	20.0	200	0	88.3	79	114	0.056 20		

Qualifiers: Analyte detected in the associated Method Blank

> J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits Page 14 of 17

Spike Recovery outside control limits

Work Order: 2402342 ANALYTICAL QC SUMMARY REPORT

Project: IPP West Plant SHORT QTR

UV/VIS_2_240301B **RunID:**

Sample ID: ICV-240301	Batch ID:	R131715		TestNo:	M45	00-CN E		Units:	μg/L	=
SampType: ICV	Run ID:	UV/VIS_2	2_240301B	Analysis	s Date: 3/1/	2024 3:23:0	0 PM	Prep Date	:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD	RPDLimit Qual
Cyanide, Total		88.4	20.0	100	0	88.4	85	115		
Sample ID: CCV1-240301	Batch ID:	R131715		TestNo:	M45	00-CN E		Units:	μg/L	-
SampType: CCV	Run ID:	UV/VIS_2	2_240301B	Analysis	s Date: 3/1/	2024 3:36:0	0 PM	Prep Date	:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD	RPDLimit Qual
Cyanide, Total		200	20.0	200	0	99.8	85	115		

Qualifiers:

В Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits Page 15 of 17

S Spike Recovery outside control limits

CLIENT: CITY OF ROUND ROCK

Work Order: 2402342

ANALYTICAL QC SUMMARY REPORT

Project: IPP West Plant SHORT QTR

UV/VIS_2_240305B **RunID:**

		(-			
The QC data in batch 114317 ap	plies to the	following sam	nples: 2402	2342-05B, 2402	342-06B					
Sample ID: LCS-114317	Batch ID:	114317		TestNo:	M45	00-P E		Units:	μg/L	
SampType: LCS	Run ID:	UV/VIS_2_	240305B	Analysis	Date: 3/5/2	2024 1:01:0	0 PM	Prep Date:	3/5/202	4
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RP	DLimit Qual
Phosphorus		497	100	500	0	99.4	80	120		
Sample ID: LCSD-114317	Batch ID:	114317		TestNo:	M45	00-P E		Units:	μg/L	
SampType: LCSD	Run ID:	UV/VIS_2_	240305B	Analysis	Date: 3/5/2	2024 1:01:0	0 PM	Prep Date:	3/5/202	4
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RP	DLimit Qual
Phosphorus		511	100	500	0	102	80	120	2.78	20
Sample ID: MB-114317	Batch ID:	114317		TestNo:	M45	00-P E		Units:	μg/L	
SampType: MBLK	Run ID:	UV/VIS_2_	240305B	Analysis	Date: 3/5/2	2024 1:02:0	0 PM	Prep Date:	3/5/202	4
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RP	DLimit Qual
Phosphorus		<40.0	100							
Sample ID: 2402373-01DMS	Batch ID:	114317		TestNo:	M45	00-P E		Units:	μg/L	
SampType: MS	Run ID:	UV/VIS_2_	240305B	Analysis	Date: 3/5/2	2024 1:04:0	0 PM	Prep Date:	3/5/202	4
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RP	DLimit Qual
Phosphorus		557	100	500	55.0	100	80	120		
Sample ID: 2402373-01DMSD	Batch ID:	114317		TestNo:	M45	00-P E		Units:	μg/L	
SampType: MSD	Run ID:	UV/VIS_2_	240305B	Analysis	Date: 3/5/2	2024 1:05:0	0 PM	Prep Date:	3/5/202	4
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RP	DLimit Qual
Phosphorus		556	100	500	55.0	100	80	120	0.180	20

Qualifiers: Analyte detected in the associated Method Blank

> J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits

Spike Recovery outside control limits Parameter not NELAP certified

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CLIENT: CITY OF ROUND ROCK

Work Order: 2402342

ANALYTICAL QC SUMMARY REPORT

Project: IPP West Plant SHORT QTR

RunID: UV/VIS_2_240305B

Sample ID: ICV-240228	Batch ID:	R131768		TestNo:	M45	00-P E		Units:	μg/L	-
SampType: ICV	Run ID:	UV/VIS_2	2_240305B	Analysis	Date: 3/5/2	2024 1:00:0	0 PM	Prep Date	:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD	RPDLimit Qual
Phosphorus		209	100	200	0	104	85	115		
Sample ID: CCV1-240305	Batch ID:	R131768		TestNo:	M45	00-P E		Units:	μg/L	=
SampType: CCV	Run ID:	UV/VIS_2	2_240305B	Analysis	Date: 3/5/2	2024 1:11:0	0 PM	Prep Date	:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it 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

 $R \quad \ RPD \ outside \ accepted \ control \ \ limits$

Page 17 of 17

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 Ass Limit	surance Sumn 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 abailable 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
John DuPont DHL Analytical, Inc. 2300 Double Creek Dr. Round Rock, TX 78664	Project Name: 2402342 Sample ID: Effluent Grab 1 Matrix: Non-Potable Water Date/Time Taken: 2/27/2024 2359	PCS Sample #: 752879 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	< 0.000005	mg/L	0.000005	3/15/2024 08:54	EPA 245.7	DJL

Test Description	Precision	Quality As Limit	surance Sumr LCL	mary 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 abailable 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

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

2300 Double Creek Drive Round Rock, TX 78664

TEL: (512) 388-8222

FAX:

Work Order: 2402342

Subcontractor:

Pollution Control Services 1532 Universal City Blvd #100 TEL: FAX: (210) 340-0949 (210) 658-7903

Universal City, Texas 78148

Acct #:

29-Feb-24

				Requested Tests					
Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Hg-LoLevel				
					E245.7				
Influent Grab 1	Aqueous	01B	02/27/24 12:00 PM	500GHCL	1	752	2878		
Effluent Grab 1	Aqueous	02B	02/27/24 11:59 PM	500GHCL	1	75	2070		

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.

<i>C</i> *	Date/Time			Date/Time
Relinquished by:	2/29/24 1700	Received by:		
Relinquished by:		Received by:	son aguilla	3-1-24 0945



Pollution Control Services Sample Log-In Checklist

2 Log-In Checklist 752878

PCS Sample No(s) 7 5 2 8 7 8	7 5 2 8 7 9 COC No.
Client/Company Name: DHL	Checklist Completed by: 5 AA
Sample Delivery to Lab Via: Client Drop Off Commercial Carrier: Bus PCS Field Services: Collection/Pick Up Other:	UPS Lone Star FedEx USPS
Sample Kit/Coolers Sample Kit/Cooler? Yes No Sample Kit/Cooler Custody Seals on Sample Kit/Cooler: Not Present Sample Containers Intact; Unbroken and Not Leaking? Ye Custody Seals on Sample Bottles: Not Present COC Present with Shipment or Delivery or Completed at Has COC sample date/time and other pertinent informatio Has COC been properly Signed when Received/Relinquis Does COC agree with Sample Bottle Information, Bottle All Samples Received before Hold Time Expiration? Yes Sufficient Sample Volumes for Analysis Requested? Yes Zero Headspace in VOA Vial? Yes No Sample Preservation: * Cooling: Not Required or Required If cooling required, record temperature of submitted samp Is Ice Present in Sample Kit/Cooler? Yes No Lab Thermometer Make and Serial Number: Vaughan 1807009	If Present, Intact Broken Drop Off? Yes No n been provided by client/sampler? Yes: No: hed? Yes No Types, Preservation, etc.? Yes No No lles Observed/Corrected 20 / 20 °C o Samples received same day as collected? Yes No
Acid Preserved Sample - If present, is pH <2? Yes Base Preserved Sample - If present, is pH >12? Yes Other Preservation: If Present, Sample Preservations Checked by: Date pH paper used to check sample preservation (PCS log #): Samples Preserved/Adjusted by Lab: Lab # Para	Time (HEM pH checked at analysis).
Adjusted by Tech/Analyst: Date :T	
Person Notified: Contact Notified Date: Time: Method of Contact: At Drop Off: Phone Left V Unable to Contact Authorized Laboratory to Proceed Regarding / Comments:	oice Mail E-Mail Fax
Receiving qualifier entered into LIMS at login Init	pove) Temp Holding Time Initails:ial/Date:



May 29, 2024

Ryan Bornn CITY OF ROUND ROCK 2008 Enterprise ROUND ROCK, Texas 78664

TEL: (512) 218-5561

FAX: Order No.: 2405086

RE: IPP WEST Plant Long QTR

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,

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

CHAIN-OF-CUSTODY

PAGE 1 OF 1

Web: www.dhlanalytical.com
Email: login@dhlanalytical.com

CLIENT: City of Round R	Rock					DΑ	TE:	0.	5/0	7/2	202	24									L	AB (JSE	ON	iLY			<u> </u>		1		r ⁱ
ADDRESS: 3400 Sunrise l	Rd., F	Round Ro	ck, TX 78	3665		P	D#:			j											0	HL '	WO	RK	ORI	DER	₹#:	d	<u>_`</u>	7	05080	9
PHONE: 512-218-6636		EMAIL: rbo	ornn@rour	ıdrocki	exas.gov	00	OJE	СТ	100	~ A 7		N O	D N	A A A	c .																	
DATA REPORTED TO: rbo						FR	OJE	Ų I	LUC	JA	IIO	IN U	יון אוי	MIVI	E.					IP	PΨ	ES	ΤF	lar	ıt I	on	ıg C	TI	R_			
ADDITIONAL REPORT COP	IES TO	: kharris(@roundr	ocktex	cas.gov	CL	IEN'	T PI	ROJ	EC	Γ#										С	OLL	ECT	OR	· Came	TE	Ž~	ل				
Authorize 5% surcharge		W=WATER			DIMENT		PRE	SEF	RVA	TIC	N	П	T	<u>. T</u>				0	ů.	٦		_						T	T			
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CHAIN-OF-CUSTODY

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OF 1

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PAGE 1 LAB USE ONLY CLIENT: City of Round Rock DATE: 05/09/2024 2405086 DHL WORKORDER #: ADDRESS: 3400 Sunrise Rd., Round Rock, TX 78665 PO#: EMAIL: rbornn@roundrocktexas.gov PROJECT LOCATION OR NAME: IPP WEST Long Qtr. DATA REPORTED TO: rbornn@roundrocktexas.gov ADDITIONAL REPORT COPIES TO: kharris@roundrocktexas.gov COLLECTOR: CLIENT PROJECT # Authorize 5% surcharge W=WATER SE=SEDIMENT PRESERVATION ETALS 6020 [] 200.8 DISS. METALS [] :ST 8270 🗆 625.1 🔼 O-P PEST 8270 🗆 CB 8082 🖸 608.3 🔇 PCB 8270 🛘 625.1 for TRRP report? L=LIQUID P=PAINT Lab H 1005 - TPH 1006 - HOLD 10 # of Containers HCL □ H₃PO₄ □ Zn Acetate ☐ Yes □ No S=\$QIL SL=SLUDGE Use Flouride Nitrate GRO BOIS CI DRO BOIS CI OC 8260 U VOC 624.1 [] Only SO=SOLID DIM BD TALL DHL H₂SO₄ NaOH□ Collection Collection Container HNO3 Matrix Field Sample I.D. Lab# Date Time Type **FIELD NOTES** Effluent Comp 05/08/24 23:59 06 W Р 24 Hr. Comp EFfluent Comp 05/08/24 23:59 W Р 24 Hr. Comp 05/08/24 23:59 Effluent Comp р 24 Hr. Comp W 05/08/24 23:59 8 Effluent Comp W 24 Hr. Comp р DATE/TIME LAB USE ONLY THERMO #: **TURN AROUND TIME** .8.70 (CALL FIRST FOR RUSH) RECEIVING TEMP (°C): DATE/TIME RUSH-1 DAY□ RUSH-2 DAY□ IF >6°C, ARE SAMPLES ON ICE AND JUST COLLECTED? YES / NØ CUSTODY SEALS ON ICE CHEST: ☐ BROKEN ☐ INTACT ☐ NOT USED RUSH-3 DAY□ CARRIER: ☐ LSO ☐ FEDEX ☐ UPS ☐ COURIER ☐ HAND DELIVERED NORMAL [7] OTHER □ DUE DATE

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

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

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

Date	Time	Location	Туре	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
				Oil and Grease	1-250ml Amber w/H2SO4			
Day 1	2359	Influent	Grab				105	
Dayı	2333	iiiiiueiit	Grab	Cyanide	1-250ml Amber w/NaOH	N	1.70	
				Volatiles	2 VOA Vials			

Date	Time	Location	Туре	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
Day 1	Start at MIDNIGHT	Effluent	Comp			29mgd	fm	
Day 2	Off at MIDNIGHT	Effluent	Comp	Metals (plus Mn & Mo) Phosphorous Fluoride/Nitrate Herbicides Pesticides Organics PCBs Semi Vol.	1-500ml plastic w/HNO3 1-250ml plastic w/H2SO4 1-250ml plastic 2-500ml Amber 2-500ml Amber 2-500ml Amber 2-500ml Amber 2-500ml Amber			

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 Herbicides Pesticides Organics PCBs Semi Vol.	1-500ml plastic w/HNO3 1-250ml plastic w/H2SO4 1-250ml plastic 2-500ml Amber 2-500ml Amber 2-500ml Amber 2-500ml Amber 2-500ml Amber	1.98 MGA	A	

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	Herbicides Pesticides Organics PCBs	1-500ml plastic w/HNO3 1-250ml plastic w/H2SO4 1-250ml plastic 2-500ml Amber 2-500ml Amber 2-500ml Amber 2-500ml Amber 2-500ml Amber	2.00 mch	N	

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			26-ma0		
Day 2	OFF at NOON	Influent	Comp	1	1-500ml plastic w/HNO3 1-250ml plastic w/H2SO4 1-250ml plastic 2-500ml Amber 2-500ml Amber 2-500ml Amber 2-500ml Amber 2-500ml Amber	2		

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

Date	Time	Location	Туре	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
				Oil and Grease	1-250ml Amber w/H2SO4			
Day 2	0600	Effluent	Grab	Cyanide	1-250ml Plastic w/NaOH	6	1.757	
				Volatiles	2-VOA vials			

Date	Time	Location	Type	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
				Oil and Grease	1-250ml Amber w/H2SO4			
Day 2	1200	Effluent	Grab			1.00		
Day 2	1200	Linaciit	Grab	Cyanide	1-250ml Plastic w/NaOH	10		
				Volatiles	2-VOA vials	m ()		

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

Date	Time	Location	Туре	Parameter	Bottle/Preservative	Flow (MGD)	Tech (Initial)	Comments
				Oil and Grease	1-250ml Amber w/H2SO4	:		
Day 2	0600	Influent	Grab			6.1	11-7	
Duy 2	0000	iiiideiit	Grub	Cyanide	1-250ml Plastic w/NaOH		110	
				Volatiles	2-VOA vials			

	Sample	Receipt Checi	KIISE	
Client Name: CITY OF ROUND ROCK			Date Receive	ed: 5/7/2024
Work Order Number: 2405086			Received by	: EL
Checklist completed by:	5/7/2024 Date		Reviewed by	r: SH 5/7/2024 Initials Date
	Carrier name:	Hand Delivered		
Shipping container/cooler in good condition?		Yes 🗹	No 🗌	Not Present
Custody seals intact on shipping container/co	oler?	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 ar	d 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 🗌 💮 I	NA ☑ LOT#
		Adjusted?		Checked by
Water - ph>9 (S) or ph>10 (C N) acceptable u	oon receipt?	Yes 🗌	No 🗌 📑	NA ₩ LOT#
		Adjusted?		Checked by
Container/Temp Blank temperature in complia	nce?	Yes 🗹	No 🗌	
Cooler# 1				
Temp °C 14.7				
Seal Intact NP			4	
Any No response must be detailed in the com	ments section below.	**************************************		
Client contacted:	Date contacted:		Pers	on contacted:
Contacted by:	Regarding:			
Comments:		W. P. C. & Married Married Service Control of Control o		
Corrective Action:				
The state of the s		NOT THE STREET WITH A PARTY OF THE STREET, SAN		

Day 2

Sample Receipt Checklist

Client Name: CITY OF ROUND ROCK		Date Received: 5/7/2024	
Work Order Number: 2405086		Received by: KAO	
5,			
Checklist completed by: 5/8/	/2024	Reviewed by:	5/8/2024
Signature	Date	Initials	Date
Carrier na	me: <u>Hand Delivered</u>		
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 OA vials submit	ted 🗹 NA
Water - pH<2 acceptable upon receipt?	Yes	No □ NA 🗹 LOT#	
	Adjusted?	Checked by	
Nater - ph>9 (S) or ph>10 (CN) acceptable upon receipt?	Yes	No □ NA ✓ LOT#	
	Adjusted?	Checked by	
Container/Temp Blank temperature in compliance?	Yes 🗹	No 🗌	
Cooler# 1			
Temp °C 4.6			
Seal Intact NP			
Any No response must be detailed in the comments section belo	W.		
Client contacted: Date contacted:	**************************************	Person contacted:	
Contacted by: Regarding:	# T-120000000 1 00 1 10 10 10 10 10 10 10 10 1		
Comments:			***************************************
Corrective Action:			

Day 3

Sample Receipt Checklist

		Campic	recoupt Officer	Kiiot		
Client Name: CITY OF RO	UND ROCK			Date Receiv	red: 5/7/2024	
Work Order Number: 2405	086			Received by	r: KAO	
Checklist completed by:	ature	5/9/2024 Date Carrier name:	Hand Delivered	Reviewed by	y: St Initials	5/9/2024 Date
Shipping container/cooler in	good condition?		Yes 🗸	No 🗌	Not Present	
Custody seals intact on ship	ping container/coo	oler?	Yes	No 🗌	Not Present ✓	
Custody seals intact on sam	nple bottles?		Yes	No 🗌	Not Present ✓	
Chain of custody present?			Yes 🗸	No 🗌	`	
Chain of custody signed wh	en relinquished an	d received?	Yes 🗹	No 🗌		
Chain of custody agrees wit	h sample labels?		Yes 🗹	No 🗌		
Samples in proper container	r/bottle?		Yes 🗹	No 🗌		
Sample containers intact?			Yes 🗹	No 🗌		
Sufficient sample volume fo	r indicated test?		Yes 🗹	No 🗌		
All samples received within	holding time?		Yes 🗹	No 🗌		
Water - VOA vials have zero	headspace?		Yes 🗹	No 🗌 💮	No VOA vials submit	tted NA
Water - pH<2 acceptable up	on receipt?		Yes 🗹	No 🗌 💮 I	NA 🗌 LOT#	13171
Water - ph>9 (S) or ph>10 (CN) acceptable up	on receipt?	Adjusted?	<i>O</i> No □ I	Checked by Z	12798
Container/Temp Blank temp	erature in complia	nce?	Yes 🗸	No 🗌		
Cooler# 1	2					
Temp °C 3.3	1.2					
Seal Intact NP Any No response must be de	NP etailed in the comr	nents section below.				
Client contacted:		Date contacted:		Pers	son contacted:	
Contacted by:		Regarding:				
Comments:						
Corrective Action:						

CLIENT: CITY OF ROUND ROCK
Project: IPP WEST Plant Long QTR

Lab Order: 2405086

CASE NARRATIVE

Date: 29-May-24

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

CLIENT: CITY OF ROUND ROCK

Project: IPP WEST Plant Long QTR

Lab Order: 2405086

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.

Date: 29-May-24

CLIENT: CITY OF ROUND ROCK
Project: IPP WEST Plant Long QTR

Lab Order: 2405086

Work Order Sample Summary

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 Met	hod115369	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 Met	hod115369	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

Page 1 of 2

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

CLIENT: CITY OF ROUND ROCK Client Sample ID: Influent Grab 1

Project: IPP WEST Plant Long QTR Lab ID: 2405086-01

Project No: Collection Date: 05/07/24 12:00 PM

Lab Order: 2405086 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF Date Analyzed
MERCURY LOW LEVEL		E24	Analyst: SUB			
Mercury	0.00307	0.00128	0.00532	J	μg/L	1.06 05/15/24 01:41 PM
HEXAVALENT CHROMIUM-WATER		M3500-	Analyst: JS			
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

Qualifiers:

* Value exceeds TCLP Maximum Concentration Level

DF Dilution Factor

J Analyte detected between MDL and RLND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

Date: 29-May-24

E TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

CLIENT: CITY OF ROUND ROCK Client Sample ID: Effluent Grab 1

Project: IPP WEST Plant Long QTR **Lab ID:** 2405086-02

Project No: Collection Date: 05/07/24 11:59 PM

Lab Order: Matrix: AQUEOUS 2405086

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
MERCURY LOW LEVEL		E24	Analyst: SUB				
Mercury	<0.00128	0.00128	0.00532		μg/L	1.06	05/15/24 01:51 PM
HEXAVALENT CHROMIUM-WATER		M3500-	Analyst: JS				
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

Qualifiers: Value exceeds TCLP Maximum Concentration Level

J

DF Dilution Factor

Analyte detected between MDL and RL ND Not Detected at the Method Detection Limit

Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

Date: 29-May-24

Е TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

CLIENT: CITY OF ROUND ROCK Client Sample ID: Influent Grabs 1-4

Project: IPP WEST Plant Long QTR Lab ID: 2405086-03

Project No: Collection Date: 05/08/24 06:00 AM

Lab Order: 2405086 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual Units	DF	Date Analyzed
TOTAL OIL & GREASE		E166				Analyst: CF
Oil & Grease	26200	2370	8460	μg/L	1	05/10/24 05:00 PM
624.1 VOLATILES WATER		E624	1.1			Analyst: JVR
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

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAP certified

CLIENT: CITY OF ROUND ROCK Client Sample ID: Influent Grabs 1-4

Project: IPP WEST Plant Long QTR Lab ID: 2405086-03

Project No: Collection Date: 05/08/24 06:00 AM

Lab Order: 2405086 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual Units	DF	Date Analyzed
624.1 VOLATILES WATER		E624	.1			Analyst: JVR
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
CYANIDE - WATER SAMPLE		M4500-	CN E			Analyst: SMA
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

Qualifiers:

* Value exceeds TCLP Maximum Concentration Level

DF Dilution Factor

J Analyte detected between MDL and RLND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

Date: 29-May-24

E TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

CLIENT: CITY OF ROUND ROCK Client Sample ID: Effluent Grabs 1-4

Project: IPP WEST Plant Long QTR Lab ID: 2405086-04

Project No: Collection Date: 05/08/24 06:00 PM

Lab Order: 2405086 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TOTAL OIL & GREASE		E166	64A				Analyst: CF
Oil & Grease	2110	1410	5030	J	μg/L	1	05/10/24 05:00 PM
624.1 VOLATILES WATER		E624	4.1				Analyst: JVR
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

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAP certified

CLIENT: CITY OF ROUND ROCK Client Sample ID: Effluent Grabs 1-4

Project: IPP WEST Plant Long QTR Lab ID: 2405086-04

Project No: Collection Date: 05/08/24 06:00 PM

Lab Order: 2405086 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual Units	DF	Date Analyzed
624.1 VOLATILES WATER		E624		Analyst: JVR		
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
CYANIDE - WATER SAMPLE		M4500-	CN E			Analyst: SMA
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

Qualifiers:

* Value exceeds TCLP Maximum Concentration Level

DF Dilution Factor

J Analyte detected between MDL and RLND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

Date: 29-May-24

E TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

CLIENT: CITY OF ROUND ROCK Client Sample ID: Influent Comp Project: IPP WEST Plant Long QTR Lab ID: 2405086-05

Project No: Collection Date: 05/08/24 12:00 PM

Lab Order: 2405086 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
DIURON-HEXACHLOROPHENE	BY LCMS	E63	32				Analyst: RA
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
TOTAL RECOVERABLE METAL	S: ICP-MS	E200	0.8				Analyst: SP
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
625.1 PCB BY GC/MS		E62	5.1				Analyst: DEW
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
625.1 SEMIVOLATILE WATER		E62	5.1				Analyst: DEW
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

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAP certified

CLIENT: CITY OF ROUND ROCK Client Sample ID: Influent Comp

Project:IPP WEST Plant Long QTRLab ID: 2405086-05Project No:Collection Date: 05/08/24 12:00 PM

Lab Order: 2405086 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER		E625.	1				Analyst: DEW
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

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAP certified

CLIENT: CITY OF ROUND ROCK Client Sample ID: Influent Comp
Project: IPP WEST Plant Long QTR Lab ID: 2405086-05

Project No: Collection Date: 05/08/24 12:00 PM

Lab Order: 2405086 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER		E625	5.1				Analyst: DEW
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
625.1 PESTICIDE BY GC/MS		E62	5.1				Analyst: DEW
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

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAP certified

CLIENT: CITY OF ROUND ROCK Client Sample ID: Influent Comp
Project: IPP WEST Plant Long QTR Lab ID: 2405086-05

Project No: Collection Date: 05/08/24 12:00 PM

Lab Order: 2405086 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 PESTICIDE BY GC/MS		E625	5.1				Analyst: DEW
Chloropyrifos	< 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
DICOFOL IN WATER BY ASTM	METHOD	D5812-9	6MOD				Analyst: DEW
Dicofol	<1.79	1.79	3.58	N	μg/L	1	05/13/24 02:55 PM
NONYLPHENOL IN WATER BY	ASTM METHOD	D7065	5-17				Analyst: DEW
Nonylphenol	<663	663	947	N	μg/L	1	05/14/24 12:27 PM
HERBICIDE IN WATER		E61	5				Analyst: SUB
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
ANIONS BY IC METHOD - WAT	ER	E30	0				Analyst: KES
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
TOTAL PHOSPHORUS		M4500	-P E				Analyst: KES
Phosphorus	3850	400	1000		μg/L	10	05/15/24 09:44 AM

Qualifiers:

* Value exceeds TCLP Maximum Concentration Level

DF Dilution Factor

J Analyte detected between MDL and RLND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

Date: 29-May-24

E TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

CLIENT: CITY OF ROUND ROCK Client Sample ID: Effluent Comp
Project: IPP WEST Plant Long QTR Lab ID: 2405086-06

Project No: Collection Date: 05/08/24 11:59 PM

Lab Order: 2405086 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
DIURON-HEXACHLOROPHENE	BY LCMS	E63	32				Analyst: RA
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
TOTAL RECOVERABLE METAL	S: ICP-MS	E200	0.8				Analyst: SP
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
625.1 PCB BY GC/MS		E625	5.1				Analyst: DEW
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
625.1 SEMIVOLATILE WATER		E625	5.1				Analyst: DEW
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

Qualifiers:

* Value exceeds TCLP Maximum Concentration Level

DF Dilution Factor

J Analyte detected between MDL and RLND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

Date: 29-May-24

E TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

CLIENT: CITY OF ROUND ROCK Client Sample ID: Effluent Comp
Project: IPP WEST Plant Long QTR Lab ID: 2405086-06

Project No: Collection Date: 05/08/24 11:59 PM

Lab Order: 2405086 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual Un	nits DF	Date Analyzed
625.1 SEMIVOLATILE WATER		E625.	1			Analyst: DEW
4,6-Dinitro-o-cresol	<1.90	1.90	9.52	μg/l		05/14/24 02:24 PM
m,p-Cresols	<1.90	1.90	9.52	μg/l		05/14/24 02:24 PM
o-Cresols	<1.90	1.90	9.52	μg/l		05/14/24 02:24 PM
p-Chloro-m-Cresol	<1.90	1.90	9.52	μg/l		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		05/14/24 02:24 PM
Acenaphthylene	<1.90	1.90	9.52	μg/l		05/14/24 02:24 PM
Anthracene	<1.90	1.90	9.52	μg/l		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		05/14/24 02:24 PM
Bis(2-chloroethoxy)methane	<1.90	1.90	9.52	μg/l		05/14/24 02:24 PM
Bis(2-chloroethyl)ether	<1.90	1.90	9.52	μg/l		05/14/24 02:24 PM
Bis(2-chloroisopropyl)ether	<1.90	1.90	9.52	μg/l		05/14/24 02:24 PM
Bis(2-ethylhexyl)phthalate	<1.90	1.90	9.52	μg/l		05/14/24 02:24 PM
4-Bromophenyl phenyl ether	<1.90	1.90	9.52	μg/l		05/14/24 02:24 PM
Butylbenzyl Phthalate	<3.81	3.81	9.52	μg/l		05/14/24 02:24 PM
2-Chloronaphthalene	<1.90	1.90	9.52	μg/l		05/14/24 02:24 PM
4-Chlorophenyl phenyl ether	<1.90	1.90	9.52	μg/l		05/14/24 02:24 PM
Dibenzo(a,h)Anthracene	<1.90	1.90	4.76	μg/l		05/14/24 02:24 PM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAP certified

CLIENT: CITY OF ROUND ROCK Client Sample ID: Effluent Comp
Project: IPP WEST Plant Long QTR Lab ID: 2405086-06

Project No: Collection Date: 05/08/24 11:59 PM

Lab Order: 2405086 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER		E62	5.1				Analyst: DEW
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
625.1 PESTICIDE BY GC/MS		E62	5.1				Analyst: DEW
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

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAP certified

CLIENT: CITY OF ROUND ROCK Client Sample ID: Effluent Comp
Project: IPP WEST Plant Long QTR Lab ID: 2405086-06

Project No: Collection Date: 05/08/24 11:59 PM

Lab Order: 2405086 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 PESTICIDE BY GC/MS		E62	5.1				Analyst: DEW
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
DICOFOL IN WATER BY ASTM M	ETHOD	D5812-9	96MOD				Analyst: DEW
Dicofol	<0.195	0.195	0.390	N	μg/L	1	05/13/24 02:00 PM
NONYLPHENOL IN WATER BY AS	STM METHOD	D706	5-17				Analyst: DEW
Nonylphenol	<66.6	66.6	95.2	N	μg/L	1	05/14/24 11:43 AM
HERBICIDE IN WATER		E6 ⁻	15				Analyst: SUB
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
ANIONS BY IC METHOD - WATER	2	E30	00				Analyst: KES
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
TOTAL PHOSPHORUS		M450	0-P E				Analyst: KES
Phosphorus	247	40.0	100		μg/L	1	05/15/24 09:29 AM

Qualifiers:

* Value exceeds TCLP Maximum Concentration Level

DF Dilution Factor

J Analyte detected between MDL and RLND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

Date: 29-May-24

E TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

Date: 29-May-24

CLIENT: CITY OF ROUND ROCK

Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long OTR RunID: LCMS2 240513A

Project: IPP WE	SI Plant Loi	ng Q1 K				Kulli	<i>)</i> . I	JC1V152_24	10313/	1	
The QC data in batch 115364	applies to the	following s	amples: 240	5086-05G, 2405	5086-06G						
Sample ID: MB-115364	Batch ID:	115364		TestNo:	E632			Units:	μg/L		
SampType: MBLK	Run ID:	LCMS2	_240513A	Analysis	Date: 5/13/2	024 5:13	:53 PM	Prep Date:	5/13/2	2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD F	RPDLimi	t Qual
Diuron	<	<0.0300	0.0800								N
Hexachlorophene		<1.00	5.00								Ν
Surr: Carbazole		6.09		10.00		60.9	35	145			
Sample ID: LCS-115364	Batch ID:	115364		TestNo:	E632			Units:	μg/L		
SampType: LCS	Run ID:	LCMS2	_240513A	Analysis	Date: 5/13/2	024 5:25	10 PM	Prep Date:	5/13/2	2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD F	RPDLimi	t 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: LCSD-115364	Batch ID:	115364		TestNo:	E632			Units:	μg/L		
SampType: LCSD	Run ID:	LCMS2	_240513A	Analysis	Date: 5/13/2	024 5:36	27 PM	Prep Date:	5/13/2	2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD F	RPDLimi	t 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

 $J \quad \ \ Analyte \ detected \ between \ MDL \ and \ RL$

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

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Work Order: 2405086 ANALYTICAL QC SUMMARY REPORT

RunID: LCMS2_240513A **Project:** IPP WEST Plant Long QTR

Sample ID: ICV-240513	Batch ID:	R133018	3	TestNo): E63	2		Units:	μg/L	•
SampType: ICV	Run ID:	LCMS2	_240513A	Analys	is Date: 5/1 3	3/2024 11:12	2:54 AM	Prep Date	:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t 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:

В Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

RPD outside accepted control limits R

Spike Recovery outside control limits

Parameter not NELAP certified

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR

RunID: ICP-MS5_240515B

Sample ID: MB-115398	Batch ID:	115398		TestNo	E20	0.8		Units:	μg/L
SampType: MBLK	Run ID:	ICP-MS5	_240515B	Analysi	s Date: 5/15	5/2024 12:29	9:00 PM	Prep Date:	5/15/2024
Analyte	I	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit 9	%RPD RPDLimit Qu
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: LCS-115398	Batch ID:	115398		TestNo	E20	0.8		Units:	μg/L
SampType: LCS	Run ID:	ICP-MS5	240515B	Analysi	s Date: 5/15	5/2024 12:32	2:00 PM	Prep Date:	5/15/2024

Sample ID. LC3-113396	Daten ID.	113330	163	uvo.	L200.0		Offits.	μg/ L
SampType: LCS	Run ID:	ICP-MS5_240515	B Ana	lysis Date:	5/15/2024 12:3	2:00 PM	Prep Date:	5/15/2024
Analyte	Re	esult RL	SPK valu	e Ref Va	al %REC	LowLim	it HighLimit %	6RPD RPDLimit Qua
Aluminum, Total	5	050 30.0	5000	0	101	85	115	
Antimony, Total	2	204 2.50	200.0	0	102	85	115	
Arsenic, Total	2	201 5.00	200.0	0	100	85	115	
Barium, Total	2	200 10.0	200.0	0	100	85	115	
Beryllium, Total	1	1.00	200.0	0	95.3	85	115	
Cadmium, Total	2	200 1.00	200.0	0	99.8	85	115	
Chromium, Total	1	199 5.00	200.0	0	99.7	85	115	
Copper, Total	2	202 10.0	200.0	0	101	85	115	
Lead, Total	1	1.00	200.0	0	98.1	85	115	
Manganese	2	202 2.00	200.0	0	101	85	115	
Molybdenum	1	198 5.00	200.0	0	99.0	85	115	
Nickel, Total	2	205 10.0	200.0	0	102	85	115	
Selenium, Total	2	207 5.00	200.0	0	103	85	115	
Silver, Total	2	206 2.00	200.0	0	103	85	115	
Thallium, Total	1	1.50	200.0	0	96.9	85	115	
Zinc, Total	2	203 5.00	200.0	0	101	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

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR

RunID: ICP-MS5_240515B

Sample ID: LCSD-115398	Batch ID:	115398		TestNo	: E20	0.8		Units:	μg/L	
SampType: LCSD	Run ID:	ICP-MS5	_240515B	Analys	is Date: 5/15	5/2024 12:35	:00 PM	Prep Date:	5/15/2	2024
Analyte	1	Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD I	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: 2405085-07A SD	Batch ID:	115398		TestNo): E20	8.0		Units:	μg/L	
SampType: SD	Run ID:	ICP-MS5	_240515B	Analys	is Date: 5/15	5/2024 12:42	2:00 PM	Prep Date:	5/15/2	2024
Analyte	I	Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD I	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									_	10
Chromium, Total		<1.50	5.00	0	0				0	-
		<1.50 <10.0	5.00 25.0	0 0	0 0				0	10
Copper, Total										
Copper, Total Lead, Total		<10.0	25.0	0	0				0	10
• • •		<10.0 <10.0	25.0 50.0	0 0	0 3.729				0 0	10 10
Lead, Total		<10.0 <10.0 <1.50	25.0 50.0 5.00	0 0 0	0 3.729 0				0 0 0	10 10 10
Lead, Total Manganese		<10.0 <10.0 <1.50 14.3	25.0 50.0 5.00 10.0	0 0 0	0 3.729 0 14.53				0 0 0 1.74	10 10 10 10
Lead, Total Manganese Molybdenum		<10.0 <10.0 <1.50 14.3 <10.0	25.0 50.0 5.00 10.0 25.0	0 0 0 0	0 3.729 0 14.53 2.095				0 0 0 1.74 0	10 10 10 10 10
Lead, Total Manganese Molybdenum Nickel, Total		<10.0 <10.0 <1.50 14.3 <10.0 <15.0	25.0 50.0 5.00 10.0 25.0 50.0	0 0 0 0 0	0 3.729 0 14.53 2.095				0 0 0 1.74 0	10 10 10 10 10
Lead, Total Manganese Molybdenum Nickel, Total Selenium, Total		<10.0 <10.0 <1.50 14.3 <10.0 <15.0 <10.0	25.0 50.0 5.00 10.0 25.0 50.0 25.0	0 0 0 0 0 0	0 3.729 0 14.53 2.095 0				0 0 0 1.74 0 0	10 10 10 10 10 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

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR

RunID: ICP-MS5_240515B

Sample ID: 2405085-07A PDS	Batch ID:	115398		TestNo	E200	0.8		Units:	μg/L
SampType: PDS	Run ID:	ICP-MS5	_240515B	Analys	is Date: 5/15	/2024 1:09:	00 PM	Prep Date:	5/15/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD 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: 2405085-07A MS	Batch ID:	445200		T (N) -		n o		Linitar	
Campic 15. 2403003-07 A 1110	Daton ID.	115398		TestNo	: E20 0	0.0		Units:	μg/L
SampType: MS	Run ID:		5_240515B		is Date: 5/15		00 PM	Prep Date:	μg/L 5/15/2024
	Run ID:		5_ 240515B RL					Prep Date:	
SampТуре: MS	Run ID:	ICP-MS5		Analys	is Date: 5/15	/2024 1:11:		Prep Date:	5/15/2024
SampType: MS Analyte	Run ID:	ICP-MS5	RL	Analys SPK value	is Date: 5/15 Ref Val	/2024 1:11: %REC	LowLim	Prep Date:	5/15/2024
SampType: MS Analyte Aluminum, Total	Run ID:	ICP-MS5 Result	RL 30.0	Analys SPK value 5000	is Date: 5/15 Ref Val 47.37	/2024 1:11: %REC 100	LowLim	Prep Date: it HighLimit %	5/15/2024
SampType: MS Analyte Aluminum, Total Antimony, Total	Run ID:	ICP-MS5 Result 5060 208	RL 30.0 2.50	Analys SPK value 5000 200.0	Ref Val 47.37	%REC 100 104	LowLim 70 70	Prep Date: it HighLimit % 130 130	5/15/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total	Run ID:	ICP-MS5 Result 5060 208 202	RL 30.0 2.50 5.00	Analys SPK value 5000 200.0 200.0	Ref Val 47.37 0 0.9830	%REC 100 104 100	70 70 70	Prep Date: it HighLimit % 130 130 130	5/15/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total	Run ID:	ICP-MS5 Result 5060 208 202 224	RL 30.0 2.50 5.00 10.0	Analys SPK value 5000 200.0 200.0 200.0	Ref Val 47.37 0 0.9830 22.98	%REC 100 104 100 101	70 70 70 70 70	Prep Date: it HighLimit % 130 130 130 130	5/15/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total	Run ID:	ICP-MS5 Result 5060 208 202 224 192	RL 30.0 2.50 5.00 10.0 1.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0	Ref Val 47.37 0 0.9830 22.98 0	/2024 1:11:	70 70 70 70 70 70	Prep Date: it HighLimit % 130 130 130 130 130 130	5/15/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total	Run ID:	ICP-MS5 Result 5060 208 202 224 192 198	RL 30.0 2.50 5.00 10.0 1.00	Analys SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 47.37 0 0.9830 22.98 0 0	/2024 1:11: %REC 100 104 100 101 95.9 99.0	70 70 70 70 70 70 70	Prep Date: it HighLimit % 130 130 130 130 130 130 130 13	5/15/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total	Run ID:	ICP-MS5 Result 5060 208 202 224 192 198 198	RL 30.0 2.50 5.00 10.0 1.00 1.00 5.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 47.37 0 0.9830 22.98 0 0	/2024 1:11: %REC 100 104 100 101 95.9 99.0 99.0	70 70 70 70 70 70 70 70	Prep Date: it HighLimit % 130 130 130 130 130 130 130 13	5/15/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total	Run ID:	ICP-MS5 Result 5060 208 202 224 192 198 198 201	RL 30.0 2.50 5.00 10.0 1.00 1.00 5.00 10.0	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 47.37 0 0.9830 22.98 0 0 0 3.729	/2024 1:11: %REC 100 104 100 101 95.9 99.0 99.0 98.8	70 70 70 70 70 70 70 70 70	Prep Date: it HighLimit % 130 130 130 130 130 130 130 130 130 13	5/15/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total	Run ID:	Result 5060 208 202 224 192 198 198 201 200	RL 30.0 2.50 5.00 10.0 1.00 1.00 5.00 10.0 1.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 47.37 0 0.9830 22.98 0 0 0 3.729 0	/2024 1:11: %REC 100 104 100 101 95.9 99.0 99.0 98.8 100	70 70 70 70 70 70 70 70 70 70	Prep Date: it HighLimit % 130 130 130 130 130 130 130 130 130 13	5/15/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese	Run ID:	Result 5060 208 202 224 192 198 198 201 200 213	RL 30.0 2.50 5.00 10.0 1.00 1.00 5.00 10.0 1.00 2.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 47.37 0 0.9830 22.98 0 0 3.729 0 14.53	%REC 100 104 100 101 95.9 99.0 98.8 100 99.0	70 70 70 70 70 70 70 70 70 70	Prep Date: it HighLimit % 130 130 130 130 130 130 130 130 130 13	5/15/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese Molybdenum	Run ID:	Result 5060 208 202 224 192 198 198 201 200 213 205	RL 30.0 2.50 5.00 10.0 1.00 5.00 10.0 1.00 2.00 5.00	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 47.37 0 0.9830 22.98 0 0 3.729 0 14.53 2.095	%REC 100 104 100 101 95.9 99.0 99.0 98.8 100 99.0 101	70 70 70 70 70 70 70 70 70 70 70	Prep Date: it HighLimit % 130 130 130 130 130 130 130 13	5/15/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Chromium, Total Lead, Total Manganese Molybdenum Nickel, Total Selenium, Total	Run ID:	ICP-MS5 Result 5060 208 202 224 192 198 198 201 200 213 205 200	RL 30.0 2.50 5.00 10.0 1.00 5.00 10.0 2.00 5.00 10.0	SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 47.37 0 0.9830 22.98 0 0 3.729 0 14.53 2.095 0	/2024 1:11: %REC 100 104 100 101 95.9 99.0 99.0 98.8 100 99.0 101 99.9	70 70 70 70 70 70 70 70 70 70 70 70	Prep Date: it HighLimit % 130 130 130 130 130 130 130 130 130 13	5/15/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese Molybdenum Nickel, Total	Run ID:	Result 5060 208 202 224 192 198 198 201 200 213 205 200 195	RL 30.0 2.50 5.00 10.0 1.00 5.00 10.0 2.00 5.00 10.0 5.00 10.0 5.00	Analys SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 47.37 0 0.9830 22.98 0 0 3.729 0 14.53 2.095 0 0	/2024 1:11: %REC 100 104 100 101 95.9 99.0 99.0 98.8 100 99.0 101 99.9 97.4	70 70 70 70 70 70 70 70 70 70 70 70	Prep Date: it HighLimit % 130 130 130 130 130 130 130 130 130 13	5/15/2024
SampType: MS Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese Molybdenum Nickel, Total Selenium, Total Silver, Total	Run ID:	Result 5060 208 202 224 192 198 198 201 200 213 205 200 195 202	RL 30.0 2.50 5.00 10.0 1.00 1.00 5.00 10.0 1.00 5.00 10.0 5.00 10.0 5.00 2.00	Analys SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 47.37 0 0.9830 22.98 0 0 3.729 0 14.53 2.095 0 0 0	/2024 1:11: %REC 100 104 100 95.9 99.0 99.0 98.8 100 99.0 101 99.9 97.4 101	70 70 70 70 70 70 70 70 70 70 70 70 70	Prep Date: it HighLimit % 130 130 130 130 130 130 130 130 130 13	5/15/2024

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

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

ICP-MS5_240515B **RunID: Project:** IPP WEST Plant Long QTR

Sample ID: 2405085-07A MSD	Batch ID:	115398		TestNo): E20	00.8		Units:	μg/L	
SampType: MSD	Run ID:	ICP-MS	5_240515B	Analys	is Date: 5/1	5/2024 1:14:	00 PM	Prep Date:	5/15/	2024
Analyte	ı	Result	RL	SPK value	Ref Val	%REC	LowLim	it 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

Qualifiers:

Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits

Spike Recovery outside control limits Parameter not NELAP certified

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR RunID: ICP-MS5_240515B

Sample ID: ICV-240515	Batch ID:	R133057	,	TestNo	E200).8		Units:	μg/L	
SampType: ICV	Run ID:	ICP-MS5	5_240515B	Analys	is Date: 5/15 /	/2024 9:53:	00 AM	Prep Date):	
Analyte	F	Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPI	Limit 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		
			0.00							
Sample ID: CCV2-240515	Batch ID:	R133057		TestNo	E200).8		Units:	μg/L	
Sample ID: CCV2-240515 SampType: CCV	Batch ID: Run ID:	R133057		TestNo	E200 is Date: 5/15/		7:00 AM	Units: Prep Date		
·	Run ID:	R133057	,	TestNo				Prep Date		DLimit Qual
SampType: CCV	Run ID:	R133057	5_240515B	TestNo Analys	is Date: 5/15 /	/2024 11:27		Prep Date): 	DLimit Qual
SampType: CCV Analyte	Run ID:	R133057 ICP-MS5	5_ 240515B RL	TestNo Analys SPK value	is Date: 5/15/ Ref Val	/2024 11:27 %REC	LowLim	Prep Date): 	DLimit Qual
SampType: CCV Analyte Aluminum, Total	Run ID:	R133057 ICP-MS5 Result	5_ 240515B RL 30.0	TestNo Analys SPK value 5000	Ref Val	%REC	LowLim 90	Prep Date it HighLimit 110): 	DLimit Qual
SampType: CCV Analyte Aluminum, Total Antimony, Total	Run ID:	R133057 ICP-MS5 Result 5010 202	RL 30.0 2.50	TestNo Analys SPK value 5000 200.0	Ref Val	%REC 100 101	LowLim 90 90	Prep Date it HighLimit 110 110): 	Limit Qual
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total	Run ID:	R133057 ICP-MS5 Result 5010 202 196	RL 30.0 2.50 5.00	TestNo Analys SPK value 5000 200.0 200.0	Ref Val 0 0 0	%REC 100 101 97.8	90 90 90	Prep Date it HighLimit 110 110 110): 	DLimit Qual
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total	Run ID:	R133057 ICP-MS5 Result 5010 202 196 197	30.0 2.50 5.00 10.0	TestNo Analys SPK value 5000 200.0 200.0 200.0	Ref Val 0 0 0 0	%REC 100 101 97.8 98.5	90 90 90 90 90	Prep Date it HighLimit 110 110 110 110): 	DLimit Qual
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total	Run ID:	R133057 ICP-MS5 Result 5010 202 196 197 188	30.0 2.50 5.00 10.0	TestNo Analys SPK value 5000 200.0 200.0 200.0 200.0	Ref Val 0 0 0 0 0 0	%REC 100 101 97.8 98.5 94.0	90 90 90 90 90 90	Prep Date it HighLimit 110 110 110 110 110 110): 	DLimit Qual
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total	Run ID:	R133057 ICP-MS5 Result 5010 202 196 197 188 198	RL 30.0 2.50 5.00 10.0 1.00	TestNo Analys SPK value 5000 200.0 200.0 200.0 200.0 200.0	Ref Val 0 0 0 0 0 0 0	%REC 100 101 97.8 98.5 94.0 98.8	90 90 90 90 90 90 90	Prep Date it HighLimit 110 110 110 110 110 110 110): 	DLimit Qual
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total	Run ID:	R133057 ICP-MS5 Result 5010 202 196 197 188 198	RL 30.0 2.50 5.00 10.0 1.00 5.00	TestNo Analys SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 0 0 0 0 0 0 0 0 0	%REC 100 101 97.8 98.5 94.0 98.8 98.9	90 90 90 90 90 90 90	Prep Date it HighLimit 110 110 110 110 110 110 110 110): 	DLimit Qual
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total	Run ID:	R133057 ICP-MS5 Result 5010 202 196 197 188 198 198 199	RL 30.0 2.50 5.00 10.0 1.00 5.00 10.0	TestNo Analys SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0	0 0 0 0 0 0 0 0	%REC 100 101 97.8 98.5 94.0 98.8 98.9 99.7	90 90 90 90 90 90 90 90	Prep Date it HighLimit 110 110 110 110 110 110 110 110 110 1): 	DLimit Qual
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total	Run ID:	R133057 ICP-MS5 Result 5010 202 196 197 188 198 198 199 195	RL 30.0 2.50 5.00 10.0 1.00 5.00 10.0 1.00 5.00 10.0	TestNo Analys SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	0 0 0 0 0 0 0 0 0	%REC 100 101 97.8 98.5 94.0 98.8 98.9 99.7 97.3	90 90 90 90 90 90 90 90 90	Prep Date it HighLimit 110 110 110 110 110 110 110 110 110 1): 	DLimit Qual
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese	Run ID:	R133057 ICP-MS5 Result 5010 202 196 197 188 198 198 199 195 198	30.0 2.50 5.00 10.0 1.00 5.00 10.0 1.00 2.00	TestNo Analys SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 0 0 0 0 0 0 0 0 0 0 0 0 0 0	%REC 100 101 97.8 98.5 94.0 98.8 98.9 99.7 97.3 99.1	90 90 90 90 90 90 90 90 90 90	Prep Date it HighLimit 110 110 110 110 110 110 110 110 110 1): 	DLimit Qual
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese Molybdenum	Run ID:	R133057 ICP-MS5 Result 5010 202 196 197 188 198 198 199 195 198 195	RL 30.0 2.50 5.00 10.0 1.00 5.00 10.0 1.00 2.00 5.00	TestNo Analys SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	%REC 100 101 97.8 98.5 94.0 98.8 98.9 99.7 97.3 99.1 97.7	90 90 90 90 90 90 90 90 90 90	Prep Date it HighLimit 110 110 110 110 110 110 110 110 110 1): 	DLimit Qual
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Manganese Molybdenum Nickel, Total	Run ID:	R133057 ICP-MS5 Result 5010 202 196 197 188 198 198 199 195 198 195 201	RL 30.0 2.50 5.00 10.0 1.00 5.00 10.0 1.00 2.00 5.00 10.0	TestNo Analys SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	0 0 0 0 0 0 0 0 0 0 0	%REC 100 101 97.8 98.5 94.0 98.8 98.9 99.7 97.3 99.1 97.7 101	90 90 90 90 90 90 90 90 90 90 90	Prep Date it HighLimit 110 110 110 110 110 110 110 110 110 1): 	DLimit Qual
SampType: CCV Analyte Aluminum, Total Antimony, Total Arsenic, Total Barium, Total Beryllium, Total Cadmium, Total Chromium, Total Chromium, Total Lead, Total Manganese Molybdenum Nickel, Total Selenium, Total	Run ID:	R133057 ICP-MS5 Result 5010 202 196 197 188 198 198 199 195 198 195 201 202	RL 30.0 2.50 5.00 10.0 1.00 5.00 10.0 1.00 2.00 5.00 10.0 5.00 10.0 5.00	TestNo Analys SPK value 5000 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0	0 0 0 0 0 0 0 0 0 0 0 0	%REC 100 101 97.8 98.5 94.0 98.8 98.9 99.7 97.3 99.1 97.7 101 101	90 90 90 90 90 90 90 90 90 90 90	Prep Date it HighLimit 110 110 110 110 110 110 110 110 110 1): 	DLimit Qual

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

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR RunID: ICP-MS5_240515B

Sample ID: CCV3-240515	Batch ID:	R133057		TestNo	: E2 0	8.00		Units:	μg/L
SampType: CCV	Run ID:	ICP-MS5_	240515B	Analys	is Date: 5/1	5/2024 1:17:	00 PM	Prep Date	:
Analyte	1	Result	RL	SPK value	Ref Val	%REC	LowLimi	t 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

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR

RunID: GCMS10_240513A

Sample ID: LCS-115352	Batch ID:	115352		TestNo	E62	5.1		Units:	μg/L		
SampType: LCS	Run ID:	GCMS10	_240513A	Analys	is Date: 5/13	/2024 10:40	0:00 AM	Prep Date:	5/10/	2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it 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			Ν
Chloropyrifos		0.460	0.0300	0.4000	0	115	42	131			Ν
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			Ν
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			Ν
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			Ν
Methoxychlor		0.431	0.0200	0.4000	0	108	38	156			Ν
Mirex		0.317	0.0200	0.4000	0	79.3	27	131			Ν
Parathion		0.459	0.0300	0.4000	0	115	13	184			Ν
Demeton		0.403	0.0300	0.4000	0	101	28	154			Ν
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: LCSD-115352	Batch ID:	115352		TestNo	: E62 :	5.1		Units:	μg/L		
SampType: LCSD	Run ID:	GCMS10	_240513A	Analys	is Date: 5/13	/2024 11:12	2:00 AM	Prep Date:	5/10/	2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it 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	

The QC data in batch 115352 applies to the following samples: 2405086-05E, 2405086-05F, 2405086-06E, 2405086-06F

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

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S Spike Recovery outside control limits

Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

GCMS10_240513A **RunID: Project:** IPP WEST Plant Long QTR

Sample ID: LCSD-115352	Batch ID:	115352		TestNo): E62	5.1		Units:	μg/L		
SampType: LCSD	Run ID:	GCMS10	_240513A	Analys	is Date: 5/13	3/2024 11:12	2:00 AM	Prep Date:	5/10/	2024	
Analyte	l	Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit ⁽	%RPD	RPDLimit	t 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	Ν
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	Ν
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	Ν
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	Ν
Methoxychlor		0.434	0.0200	0.4000	0	109	38	156	0.768	50	Ν
Mirex		0.317	0.0200	0.4000	0	79.3	27	131	0.012	50	Ν
Parathion		0.436	0.0300	0.4000	0	109	13	184	5.10	50	Ν
Demeton		0.417	0.0300	0.4000	0	104	28	154	3.46	50	Ν
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: MB-115352	Batch ID:	115352		TestNo): E62	5.1		Units:	μg/L		
SampType: MBLK	Run ID:	GCMS10	_240513A	Analys	is Date: 5/13	/2024 1:04:	00 PM	Prep Date:	5/10/	2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit ^o	%RPD	RPDLimit	t 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								Ν
Chlordane	<	0.0600	0.200								Ν
Chloropyrifos		0.0100									Ν
	<	0.0100									
Diazinon		0.0100	0.0300								Ν
Dieldrin		0.0100	0.0200								
Endosulfan sulfate											
Endrin		0.0100									
Endrin aldehyde		0.0100	0.0200								
beta-Endosulfan Carbaryl Chlordane Chloropyrifos delta-BHC Diazinon Dieldrin Endosulfan sulfate Endrin	< < < < <	0.0100 0.0100 0.0600 0.0100 0.0100 0.0100 0.0100 0.0100 0.0100	0.0200 0.0300 0.200 0.0300 0.0200 0.0300 0.0200 0.0200 0.0200								

Qualifiers: В Analyte detected in the associated Method Blank

> J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

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RPD outside accepted control limits R

Spike Recovery outside control limits

Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR

RunID: GCMS10_240513A

Sample ID: MB-115352	Batch ID: 1	15352	Test	No: E62	25.1		Units:	μg/L	
SampType: MBLK	Run ID:	GCMS10_2405	13A Anal	ysis Date: 5/1 3	3/2024 1:04:	00 PM	Prep Date:	5/10/2024	
Analyte	Re	sult R	L SPK value	Ref Val	%REC	LowLimit	HighLimit 9	%RPD RPDLin	nit Qual
gamma-BHC	<0.0	0.02	200						
Guthion	<0.0	0.00	300						Ν
Heptachlor	<0.0	0.0	100						
Heptachlor epoxide	<0.0	0.0	100						
Malathion	<0.0	0.00	300						Ν
Methoxychlor	<0.0	0.02	200						Ν
Mirex	<0.0	0.02	200						Ν
Parathion	<0.0	0.00	300						Ν
Toxaphene	<0.	300 0.3	00						
Demeton	<0.0	0.00	300						Ν
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

 $J \quad \ \ Analyte \ detected \ between \ MDL \ and \ RL$

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

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R RPD outside accepted control limits

S Spike Recovery outside control limits

Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR RunID: GCMS10_240513A

Sample ID: ICV-240513	Batch ID:	R133015		TestNo	E62	25.1		Units:	μg/L	
SampType: ICV	Run ID:	GCMS10_	_240513A	Analysi	s Date: 5/1 3	3/2024 10:13	3:00 AM	Prep Date):	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	t HighLimit	%RPD F	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
Chloropyrifos		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: ICV-240513 CT	Batch ID:	R133015		TestNo	E62	25.1		Units:	μg/L	
SampType: ICV	Run ID:	GCMS10_	_240513A	Analysi	s Date: 5/1 3	3/2024 11:40	0:00 AM	Prep Date	: :	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	t HighLimit	%RPD R	RPDLimit Qual
Chlordane		2610	0.200	2500	0	104	60	140		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

2510

0.300

RL Reporting Limit

Toxaphene

J Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

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140

R RPD outside accepted control limits

100

60

S Spike Recovery outside control limits

N Parameter not NELAP certified

2500

Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

GCMS10_240513B **RunID: Project:** IPP WEST Plant Long QTR

The QC data in batch 115352 ap	plies to the	following sa	mples: 240	5086-05E, 2405	086-05F,	2405086-06E	, 2405086	6-06F		
Sample ID: LCS-115352-DICO	Batch ID:	115352		TestNo:	D:	5812-96mod		Units:	μg/L	
SampType: LCS	Run ID:	GCMS10	_240513B	Analysis	Date: 5/	13/2024 12:36	:00 PM	Prep Date:	5/10/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	%RPD RPDLimit	t Qual
Dicofol		1.16	0.400	1.000	0	116	22	180		N
Sample ID: MB-115352	Batch ID:	115352		TestNo:	D:	5812-96mod		Units:	μg/L	
SampType: MBLK	Run ID:	GCMS10	_240513B	Analysis	Date: 5/	13/2024 1:04:0	00 PM	Prep Date:	5/10/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	%RPD RPDLimit	t Qual
Dicofol		<0.200	0.400							N

Qualifiers:

В Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

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R RPD outside accepted control limits

S Spike Recovery outside control limits

Batch ID:

Work Order: 2405086 ANALYTICAL QC SUMMARY REPORT

Units:

D5812-96mod

RunID: GCMS10_240513B **Project:** IPP WEST Plant Long QTR

Sample ID: ICV-240513 DICO μg/L SampType: ICV Run ID: GCMS10_240513B Analysis Date: 5/13/2024 12:08:00 PM Prep Date:

RLSPK value LowLimit HighLimit %RPD RPDLimit Qual Analyte Result Ref Val %REC Dicofol 222 0.400 250.0 0 88.7 80 120 Ν

TestNo:

Qualifiers:

Analyte detected in the associated Method Blank В

Analyte detected between MDL and RL J

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

Dilution Factor DF

MDL Method Detection Limit

R RPD outside accepted control limits

S Spike Recovery outside control limits

Parameter not NELAP certified

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR

RunID: GCMS4_240514C

The QC data in batch 115369			3. Z4C						
Sample ID: LCS-115369	Batch ID: 1	15369		TestNo	: E62	25.1		Units:	μg/L
SampType: LCS	Run ID:	GCMS4_24051	14C	Analys	is Date: 5/1 4	4/2024 10:38	3:00 AM	Prep Date:	5/13/2024
Analyte	Re	sult F	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit Qua
Benzidine	4	5.0 50	0.0	40.00	0	112	5	125	
Benzo(a)anthracene	40	D.1 5.	00	40.00	0	100	33	143	
Benzo(a)pyrene	4	5.8 5.	00	40.00	0	115	17	163	
Chrysene	38	3.5 5.	00	40.00	0	96.3	17	168	
2,4-Dimethylphenol	39	9.9 10	0.0	40.00	0	99.8	32	120	
4,6-Dinitro-o-cresol	4:	3.3 10	0.0	40.00	0	108	10	181	
m,p-Cresols	29	9.8 10	0.0	40.00	0	74.6	10	125	
o-Cresols	3	1.1 10	0.0	40.00	0	77.6	25	125	
p-Chloro-m-Cresol	38	3.6 10	0.0	40.00	0	96.6	22	147	
Hexachlorobenzene	3:	2.3 5.	00	40.00	0	80.7	10	152	
Hexachlorobutadiene	30	0.7 10	0.0	40.00	0	76.8	24	120	
Hexachloroethane	3	1.2 20	0.0	40.00	0	77.9	40	120	
Nitrobenzene	38	3.5 10	0.0	40.00	0	96.3	35	180	
N-Nitrosodiethylamine	3.	1.3 20	0.0	40.00	0	78.2	20	125	
N-Nitro-di-n-Butylamine			0.0	40.00	0	83.7	20	125	
Pentachlorobenzene			0.0	40.00	0	80.1	40	140	
Pentachlorophenol			00	40.00	0	93.5	14	176	
Phenanthrene			0.0	40.00	0	90.8	54	120	
Pyridine			0.0	40.00	0	46.1	10	75	
1,2,4,5-Tetrachlorobenzene			0.0	40.00	0	77.0	30	140	
2,4,5-Trichlorophenol			0.0	40.00	0	118	25	125	
2-Chlorophenol			0.0	40.00	0	88.0	23	134	
2,4-Dichlorophenol			0.0	40.00	0	99.5	39	135	
2,4-Dinitrophenol			0.0	40.00	0	108	10	191	
2-Nitrophenol).0).0	40.00	0	96.6	29	182	
•).O).O	40.00	0	101	10	132	
4-Nitrophenol									
Phenol			0.0	40.00	0	52.6	5 27	120	
2,4,6-Trichlorophenol			0.0	40.00	0	115	37	144	
3,4-Benzofluoranthene			0.0	40.00	0	103	24	159	
Acenaphthene			0.0	40.00	0	87.7	47	145	
Acenaphthylene			0.0	40.00	0	91.8	33	145	
Anthracene			0.0	40.00	0	87.2	27	133	
Benzo(ghi)perylene			0.0	40.00	0	106	10	219	
Benzo(k)Fluoranthene			00	40.00	0	93.9	11	162	
Bis(2-chloroethoxy)methane			0.0	40.00	0	88.2	33	184	
Bis(2-chloroethyl)ether			0.0	40.00	0	89.0	12	158	
Bis(2-chloroisopropyl)ether			0.0	40.00	0	94.8	36	166	
Bis(2-ethylhexyl)phthalate			0.0	40.00	0	116	10	158	
4-Bromophenyl phenyl ether			0.0	40.00	0	85.5	53	127	
Butylbenzyl Phthalate	4	4.5 10	0.0	40.00	0	111	10	152	

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

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

GCMS4_240514C **RunID: Project:** IPP WEST Plant Long QTR

Sample ID: LCS-115369	Batch ID: 115369		TestNo	: E62 :	5.1		Units:	μg/L
SampType: LCS	Run ID: GCMS4_	240514C	Analys	is Date: 5/14	/2024 10:38	3:00 AM	Prep Date:	5/13/2024
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD 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: 2405093-01CMS	Batch ID:	115369		TestNo	: E62	5.1		Units:	μg/L	
SampType: MS	Run ID:	GCMS4	1_240514C	Analys	is Date: 5/14	/2024 11:03	3:00 AM	Prep Date	5/13/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qu	ıal
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: Analyte detected in the associated Method Blank

> J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits Page 16 of 44

Spike Recovery outside control limits

Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR RunID: GCMS4_240514C

Sample ID: 2405093-01CMS	Batch ID:	115369		TestNo	E625	5.1		Units:	μg/L
SampType: MS	Run ID:	GCMS4	1_240514C	Analys	is Date: 5/14 /	/2024 11:03	3:00 AM	Prep Date:	5/13/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD 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	
		404	48.7	389.9		104	10	125	
Dibenzo(a,h)Anthracene 3,3-Dichlorobenzidine		343	48.7 48.7	389.9	0			262	
,					0	88.1 05.5	10		
Diethyl phthalate		372	97.5 07.5	389.9	0	95.5	10	120	
Dimethyl phthalate		350	97.5 07.5	389.9	0	89.7	10	120	
Di-n-butyl phthalate		352	97.5	389.9	0	90.3	10	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

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR

RunID: GCMS4_240514C

Sample ID: 2405093-01CMS	Batch ID:	115369		TestNo	E62	25.1		Units:	μg/L
SampType: MS	Run ID:	GCMS4	_240514C	Analysi	s Date: 5/1 4	4/2024 11:03	:00 AM	Prep Date:	5/13/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it 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: 2405093-01CMSD	Batch ID:	115360		TestNo	F62)E 1		Units:	ua/I

Sample ID: 2405093-01CMSD	Batch ID:	115369		TestNo	: E62	25.1		Units:	μg/L	
SampType: MSD	Run ID:	GCMS4_	_240514C	Analysi	s Date: 5/14	4/2024 11:28	:00 AM	Prep Date	5/13	/2024
Analyte	R	Result	RL	SPK value	Ref Val	%REC	LowLimi	t 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	2	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

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR RunID: GCMS4_240514C

Sample ID: 2405093-01CMSD	Batch ID: 115369		TestNo	E62	5.1		Units:	μg/L	
SampType: MSD	Run ID: GCMS4_	_240514C	Analys	is Date: 5/14	/2024 11:28	3:00 AM	Prep Date:	5/13	/2024
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLim	it 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	325.7 325.7	0	111	10	146	17.3	50
1,2-Diphenyl Hydrazine	269		325.7 325.7		82.6	40	140	14.1	50 50
		163		0					
Fluoranthene	257	81.4	325.7	0	78.8	26 50	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

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

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

GCMS4_240514C **RunID: Project:** IPP WEST Plant Long QTR

Sample ID: 2405093-01CMSD	Batch ID:	115369		TestNo	E62	5.1		Units:	μg/L	
SampType: MSD	Run ID:	GCMS4	_240514C	Analys	is Date: 5/14	/2024 11:28	3:00 AM	Prep Date:	5/13/	2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD	RPDLimit Qua
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: MB-115369	Batch ID:	115369		TestNo	c: E62 :	5 1		Units:	μg/L	
SampType: MBLK	Run ID:		_240514C		is Date: 5/14		9:00 PM	Prep Date:	5/13/	2024
Analyte		Result	RL	SPK value	Ref Val	%REC			6RPD	RPDLimit Qua
-										
Benzidine		<5.00	50.0 5.00							
Danas (a) anthus as as		<2.00	5 00							
Benzo(a)anthracene		0.00								
Benzo(a)pyrene		<2.00	5.00							
Benzo(a)pyrene Chrysene		<2.00	5.00 5.00							
Benzo(a)pyrene Chrysene 2,4-Dimethylphenol		<2.00 <2.00	5.00 5.00 10.0							
Benzo(a)pyrene Chrysene 2,4-Dimethylphenol 4,6-Dinitro-o-cresol		<2.00 <2.00 <2.00	5.00 5.00 10.0 10.0							
Benzo(a)pyrene Chrysene 2,4-Dimethylphenol 4,6-Dinitro-o-cresol m,p-Cresols		<2.00 <2.00 <2.00 <2.00	5.00 5.00 10.0 10.0 10.0							
Benzo(a)pyrene Chrysene 2,4-Dimethylphenol 4,6-Dinitro-o-cresol m,p-Cresols o-Cresols		<2.00 <2.00 <2.00 <2.00 <2.00 <2.00	5.00 5.00 10.0 10.0 10.0							
Benzo(a)pyrene Chrysene 2,4-Dimethylphenol 4,6-Dinitro-o-cresol m,p-Cresols o-Cresols p-Chloro-m-Cresol		<2.00 <2.00 <2.00 <2.00 <2.00 <2.00	5.00 5.00 10.0 10.0 10.0 10.0							
Benzo(a)pyrene Chrysene 2,4-Dimethylphenol 4,6-Dinitro-o-cresol m,p-Cresols		<2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00	5.00 5.00 10.0 10.0 10.0 10.0 10.0 5.00							
Benzo(a)pyrene Chrysene 2,4-Dimethylphenol 4,6-Dinitro-o-cresol m,p-Cresols o-Cresols p-Chloro-m-Cresol Hexachlorobenzene		<2.00 <2.00 <2.00 <2.00 <2.00 <2.00	5.00 5.00 10.0 10.0 10.0 10.0							
Benzo(a)pyrene Chrysene 2,4-Dimethylphenol 4,6-Dinitro-o-cresol m,p-Cresols o-Cresols p-Chloro-m-Cresol Hexachlorobenzene Hexachlorobutadiene		<2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00	5.00 5.00 10.0 10.0 10.0 10.0 10.0 5.00							
Benzo(a)pyrene Chrysene 2,4-Dimethylphenol 4,6-Dinitro-o-cresol m,p-Cresols o-Cresols p-Chloro-m-Cresol Hexachlorobenzene Hexachlorobutadiene Hexachloroethane		<2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00	5.00 5.00 10.0 10.0 10.0 10.0 10.0 5.00							
Benzo(a)pyrene Chrysene 2,4-Dimethylphenol 4,6-Dinitro-o-cresol m,p-Cresols o-Cresols p-Chloro-m-Cresol Hexachlorobenzene Hexachlorobtadiene Hexachloroethane Nitrobenzene		<2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00	5.00 5.00 10.0 10.0 10.0 10.0 5.00 10.0 20.0							
Benzo(a)pyrene Chrysene 2,4-Dimethylphenol 4,6-Dinitro-o-cresol m,p-Cresols o-Cresols p-Chloro-m-Cresol Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Nitrobenzene N-Nitrosodiethylamine		<2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00	5.00 5.00 10.0 10.0 10.0 10.0 5.00 10.0 20.0							
Benzo(a)pyrene Chrysene 2,4-Dimethylphenol 4,6-Dinitro-o-cresol m,p-Cresols o-Cresols p-Chloro-m-Cresol		<2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00	5.00 5.00 10.0 10.0 10.0 10.0 5.00 10.0 20.0 10.0 20.0							
Benzo(a)pyrene Chrysene 2,4-Dimethylphenol 4,6-Dinitro-o-cresol m,p-Cresols o-Cresols p-Chloro-m-Cresol Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Nitrobenzene N-Nitrosodiethylamine N-Nitro-di-n-Butylamine		<2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00	5.00 5.00 10.0 10.0 10.0 10.0 5.00 10.0 20.0 20.0 20.0							
Benzo(a)pyrene Chrysene 2,4-Dimethylphenol 4,6-Dinitro-o-cresol m,p-Cresols o-Cresols p-Chloro-m-Cresol Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Nitrobenzene N-Nitrosodiethylamine N-Nitro-di-n-Butylamine Pentachlorobenzene		<2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00	5.00 5.00 10.0 10.0 10.0 10.0 5.00 10.0 20.0 20.0 20.0 20.0							
Benzo(a)pyrene Chrysene 2,4-Dimethylphenol 4,6-Dinitro-o-cresol m,p-Cresols o-Cresols p-Chloro-m-Cresol Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Nitrobenzene N-Nitrosodiethylamine N-Nitro-di-n-Butylamine Pentachlorophenol		<2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00	5.00 5.00 10.0 10.0 10.0 10.0 10.0 5.00 10.0 20.0 20.0 20.0 20.0 5.00							

Qualifiers:

Analyte detected in the associated Method Blank

Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits Page 20 of 44

Spike Recovery outside control limits

Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR

RunID: GCMS4_240514C

Sample ID: MB-115369	Batch ID: 115369		TestNo	: E62	5.1		Units:	μg/L
SampType: MBLK	Run ID: GCMS4	Analysis Date: 5/14/2024 12:19:00 PM				Prep Date: 5/13/2024		
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLim	nit HighLimit %	6RPD 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

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R RPD outside accepted control limits

S Spike Recovery outside control limits

Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR

RunID: GCMS4_240514C

Sample ID: MB-115369	Batch ID:	115369		TestNo	: E62	5.1		Units:	μg/L
SampType: MBLK	Run ID:	GCMS4_240514C		Analysis Date: 5/14/2024 12:19			9:00 PM	Prep Date	5/13/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it 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	

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

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR RunID: GCMS4_240514C

Sample ID: ICV-240514	Batch ID:	R133035		TestNo	E625	5.1		Units:	μg/L	
SampType: ICV	Run ID:	GCMS4_	240514C	Analys	is Date: 5/14	/2024 10:14	:00 AM	Prep Date:		
Analyte	F	Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	%RPD RPI	DLimit 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		
2 Onloronaphinalene	•	2000	10.0	2000	J	32.0	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

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR RunID: GCMS4_240514C

Sample ID: ICV-240514	Batch ID:	R13303	5	TestNo	: E62 5	5.1	· · · · · · · · · · · · · · · · · · ·	Units:	μg/L
SampType: ICV	Run ID:	GCMS4	_240514C	Analys	is Date: 5/14	/2024 10:14	:00 AM	Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it 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

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ANALYTICAL QC SUMMARY REPORT Work Order: 2405086

RunID: GCMS8_240513A **Project:** IPP WEST Plant Long QTR

The QC data in batch 115352 ap	oplies to the t	following s	samples: 240	5086-05E, 2405	5086-05F, 2	405086-06E	, 240508	6-06F	
Sample ID: LCS-115352-PCB	Batch ID:	115352		TestNo:	E62	5.1		Units:	μg/L
SampType: LCS	Run ID:	GCMS8	_240513A	Analysis	s Date: 5/13	3/2024 1:06:	00 PM	Prep Date:	5/10/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	nit HighLimit 9	%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: MB-115352	Batch ID:	115352		TestNo:	E62	5.1		Units:	μg/L
SampType: MBLK	Run ID:	GCMS8	_240513A	Analysis	s Date: 5/13	3/2024 1:36:	00 PM	Prep Date:	5/10/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	nit HighLimit 9	%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	

Qualifiers: Analyte detected in the associated Method Blank

> J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

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R RPD outside accepted control limits

Spike Recovery outside control limits

Parameter not NELAP certified

Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR RunID: GCMS8_240513A

Sample ID: ICV-240513	Batch ID:	R13301	7	TestNo	: E62	5.1		Units:	μg/L
SampType: ICV	Run ID:	GCMS8	3_240513A	Analys	is Date: 5/13	3/2024 12:20	0:00 PM	Prep Date	:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it 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

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Work Order: 2405086

Project: IPP WEST Plant Long QTR RunID: GCMS9_240514A

9		0						_		
The QC data in batch 115369 a	pplies to the t	following s	samples: 240	5086-05D, 2405	086-06D					
Sample ID: MB-115369	Batch ID:	115369		TestNo:	D7(065-17		Units:	μg/L	
SampType: MBLK	Run ID:	GCMS9	_240514A	Analysis	s Date: 5/1	4/2024 10:14	:00 AM	Prep Date:	5/13/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit ^c	%RPD RPDLim	it Qual
Nonylphenol		<70.0	100							N
Sample ID: LCS-115369-NP	Batch ID:	115369		TestNo:	D7(065-17		Units:	μg/L	
SampType: LCS	Run ID:	GCMS9	_240514A	Analysis	S Date: 5/1	4/2024 10:58	:00 AM	Prep Date:	5/13/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit ⁽	%RPD RPDLim	it Qual
Nonylphenol		916	100	1000	0	91.6	40	140		N

ANALYTICAL QC SUMMARY REPORT

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

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R RPD outside accepted control limits

S Spike Recovery outside control limits

N Parameter not NELAP certified

Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR RunID: GCMS9_240514A

Sample ID: ICV-240514 NP TestNo: D7065-17 μg/L Batch ID: R133032 Units: SampType: ICV Run ID: GCMS9_240514A Analysis Date: 5/14/2024 9:51:00 AM Prep Date: Ref Val Analyte RLSPK value LowLimit HighLimit %RPD RPDLimit Qual Result %REC Nonylphenol 93200 100 100000 0 93.2 75 125 Ν

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

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CLIENT: CITY OF ROUND ROCK ANALYTICAL QC SUMMARY REPORT

Work Order: 2405086

WC_240510C **RunID: Project:** IPP WEST Plant Long QTR

The QC data in batch 115351	applies to the	following	samples: 240	05086-03C, 240	5086-04C				
Sample ID: MB-115351	Batch ID:	115351		TestNo	: E16	64A		Units:	μg/L
SampType: MBLK	Run ID:	WC_24	0510C	Analysi	s Date: 5/10)/2024 5:00:	00 PM	Prep Date:	5/10/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit Qu
Oil & Grease		1700	5000						
Sample ID: LCS-115351	Batch ID:	115351		TestNo	: E16	64A		Units:	μg/L
SampType: LCS	Run ID:	WC_24	0510C	Analysi	s Date: 5/10)/2024 5:00:	00 PM	Prep Date:	5/10/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit Qu
Oil & Grease		32200	5000	40000	0	80.5	78	114	
Sample ID: LCSD-115351	Batch ID:	115351		TestNo	: E16	64A		Units:	μg/L
SampType: LCSD	Run ID:	WC_24	0510C	Analysi	s Date: 5/10)/2024 5:00:	00 PM	Prep Date:	5/10/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit Qu
Oil & Grease		32800	5000	40000	0	82.0	78	114	1.85 18

Qualifiers: Analyte detected in the associated Method Blank

> J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

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R RPD outside accepted control limits

Spike Recovery outside control limits

Parameter not NELAP certified

Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR

RunID: GCMS5_240509A

Sample ID: LCS-115330 Batch ID: 115330 Run ID: 15330 R	The QC data in batch 115330 ap	oplies to the foll	owing samples: 24	405086-03A, 24	405086-04A				
Result	Sample ID: LCS-115330	Batch ID: 1	15330	Test	No: E6	24.1		Units:	μg/L
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 91.6 70 130 Chlorobenzene 22.7 2.00 23.20 0 991.6 70 135 Chlorodom 22.7 2.00 23.20 0 993.0 70 135 Chlorodibromomethane 21.6 5.00 23.20 0 993.0 70 135 Chlorodibromomethane 21.8 2.00 23.20 0 94.0 60 140 140 142 Chlorocethane 21.5 5.00 23.20 0 94.0 60 140 140 142 Chlorocethylene 21.5 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 95.2 65 135 Trichloroethylene 23.5 10.0 23.20 0 95.2 65 135 Trichloroethylene 21.5 5.00 23.20 0 95.2 65 135 Trichloroethylene 21.5 5.00 23.20 0 95.2 65 135 Trichloroethylene 21.5 10.0 23.20 0 95.2 65 135 Trichloroethylene 21.5 10.0 23.20 0 95.2 65 135 Trichloroethylene 21.5 10.0 23.20 0 95.2 65 135 Trichloroethylene 25.4 10.0 23.20 0 95.2 65 140 Trichloroethylene 25.4 10.0 23.20 0 95.2 65 140 Trichloroethylene 25.4 10.0 23.20 0 101 70 130 Trichloroethylene 25.4 10.0 23.20 0 101 70 150 Trichloroethylene 25.4 10.0 23.20 0 110 5 195 Chlorocothylene 26.0 10.0 23.20 0 110 5 195 Chlorocothylene 26.0 10.0 23.20 0 110 5 195 Chlorocothylene 27.0 10.0 23.20 0 110 5 195 Chlorocothylene 28.4 10.0 23.20 0 110 5 195 Chlorocothylene 28.4 10.0 23.20 0 110 5 195 Chlorocothylene 29.9 10.0 23.20 0 100 70 100 100 23.20 0 100 70 100 100 23.20 0 100 70 100 100 100 100 100 100 100 1	SampType: LCS	Run ID:	GCMS5_240509A	Analy	ysis Date: 5/ 9	9/2024 10:19:	00 AM	Prep Date:	5/9/2024
Carbon tetrachloride 21.2 2.00 23.20 0 91.6 70 130 Chlorodom 23.9 10.0 23.20 0 103 35 135 Chlorodibromomethane 21.6 5.00 23.20 0 98.1 70 135 Chlorodibromomethane 21.8 2.00 23.20 0 94.0 60 140 1,2-Dibrhoroethane 21.5 5.00 23.20 0 94.0 60 140 1,1-Dichloroethylene 22.7 5.00 23.20 0 98.0 50 150 Methyl ethyl ketone 119 50.0 23.20 0 101 70 130 Tichloroethylene 22.5 10.0 23.20 0 101 70 130 Tirchloroethylene 22.1 5.00 23.20 0 95.2 65 135 1,1,1-Trichloroethylene 22.1 5.00 23.20 0 95.2 65 135 <t< th=""><th>Analyte</th><th>Re</th><th>sult RL</th><th>SPK value</th><th>Ref Val</th><th>%REC</th><th>LowLim</th><th>it HighLimit '</th><th>%RPD RPDLimit Qu</th></t<>	Analyte	Re	sult RL	SPK value	Ref Val	%REC	LowLim	it HighLimit '	%RPD RPDLimit Qu
Chlorobenzene 23.9 10.0 23.20 0 103 35 135 Chlorodrom 22.7 2.00 23.20 0 98.1 70 135 Chlorodbromemethane 21.6 5.00 23.20 0 94.0 60 140 1,2-Dichloroethane 21.5 5.00 23.20 0 98.0 70 135 1,1-Dichloroethylene 22.7 5.00 23.20 0 98.0 50 150 Methyl ethyl ketone 119 50.0 21.6 0 101 70 130 Tetrachloroethylene 23.5 10.0 23.20 0 101 70 130 Tirchloroethylene 22.1 5.00 23.20 0 95.2 65 135 1,1,1-Trichloroethane 21.5 10.0 23.20 0 101 70 130 Tirchloroethylene 25.4 10.0 23.20 0 110 5 195 <t< td=""><td>Benzene</td><td>24</td><td>1.6 10.0</td><td>23.20</td><td>0</td><td>106</td><td>65</td><td>135</td><td></td></t<>	Benzene	24	1.6 10.0	23.20	0	106	65	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-Dibrimoethane 21.8 2.00 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 23.20 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-Trichloroethylene 22.1 5.00 23.20 0 95.2 65 135 1,1,1-Trichloroethane 24.5 10.0 23.20 0 110 5 195 Acrylonitrile 45.1 50.0 46.40 0 97.3 60 140	Carbon tetrachloride	21	1.2 2.00	23.20	0	91.6	70	130	
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-Dibromoethane 21.5 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 1013 60 140 Trichloroethylene 22.1 5.00 23.20 0 95.2 65 135 1,1,1-Trichloroethane 21.5 10.0 23.20 0 95.2 70 130 TTHM (Total Trihalomethanes) 86.3 10.0 23.20 0 97.3 60 140 Vinyl chloride 25.4 10.0 23.20 0 110 5 195 Acrylontifile 45.1 50.0 46.40 0 97.3 60 140	Chlorobenzene	23	3.9 10.0	23.20	0	103	35	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 ektone 119 50.0 23.20 0 101 70 130 Trichloroethylene 22.1 5.00 23.20 0 95.2 65 135 1,1-1-Tichloroethylene 21.5 10.0 23.20 0 95.2 65 135 1,1,1-Tichloroethylene 21.5 10.0 23.20 0 95.9 70 130 TTHM (Total Trihalomethanes) 86.3 10.0 23.20 0 110 5 195 Acylontirile 45.1 50.0 23.20 0 110 5 195 Acylontirile 45.1 50.0 23.20 0 161 0 140	Chloroform	22	2.7 2.00	23.20	0	98.1	70	135	
1,2-Dichloroethylene 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 Acrylontirlle 45.1 50.0 46.40 0 97.3 60 140 1,1,2-2-Tetra-chloroethane 24.9 10.0 23.20 0 101 5 225	Chlorodibromomethane	21	1.6 5.00	23.20	0	93.0	70	135	
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 23.20 0 91.0 6 140 Vinyl chloride 25.4 10.0 23.20 0 1110 5 195 Acrylonitrile 45.1 50.0 46.40 0 97.3 60 140 1,1,22-Tetra-chloroethane 26.0 10.0 23.20 0 110 5 25 Bromoform 20.0 10.0 23.20 0 107 40 160	1,2-Dibromoethane	21	1.8 2.00	23.20	0	94.0	60	140	
Methyl ethyl keione 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 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 1112 60 140 Bromoform 20.0 10.0 23.20 0 107 40 160 2-Chloroethane 24.9 10.0 23.20 0 107 40 160 1,1-Dichloroethane 21.9 5.00 23.20 0 196 5 135	1,2-Dichloroethane	21	1.5 5.00	23.20	0	92.6	70	130	
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 THM (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 1,1,2,2-Tetra-chloroethane 24.0 10.0 23.20 0 107 40 160 2-Chloroethylvinyl Ether 23.4 10.0 23.20 0 107 40 160 2-Chloroethylvinyl Ether 23.4 10.0 23.20 0 106 70 <td< td=""><td>1,1-Dichloroethylene</td><td>22</td><td>2.7 5.00</td><td>23.20</td><td>0</td><td>98.0</td><td>50</td><td>150</td><td></td></td<>	1,1-Dichloroethylene	22	2.7 5.00	23.20	0	98.0	50	150	
Trichloroethylene 22.1 5.00 23.20 0 95.2 65 135 1,1,1-Trichloroethane 21.5 10.0 23.20 0 99.9 70 130 TTHM (Total Trihalomethanes) 86.3 10.0 928.0 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 0 812 65 135 Chloroethane 24.9 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 Dichlorobrommethane 21.9 5.00 23.20 0 106 70 130 <	Methyl ethyl ketone	1.	19 50.0	116.0	0	103	60	140	
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 0 107 40 160 2-Chloroethykinyl Ether 23.4 10.0 23.20 0 101 5 225 Dichlorobromomethane 21.9 5.00 23.20 0 106 70 130 1,2-Dichloropropane 24.5 10.0 23.20 0 106 70 130 1,2-Dichloropropylene 22.9 10.0 23.20 0 98.7 25 175 <td>Tetrachloroethylene</td> <td>23</td> <td>3.5 10.0</td> <td>23.20</td> <td>0</td> <td>101</td> <td>70</td> <td>130</td> <td></td>	Tetrachloroethylene	23	3.5 10.0	23.20	0	101	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 86.3 65 135 Promoform 20.0 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 0 101 5 225 Dichloroptrophane 24.6 10.0 23.20 0 106 70 130 1,2-Dichloropropale 24.5 10.0 23.20 0 106 70 130 1,2-Dichloropropylene 22.9 10.0 23.20 0 106 60 140	Trichloroethylene	22	2.1 5.00	23.20	0	95.2	65	135	
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 0 101 5 225 Dichlorobromomethane 21.9 5.00 23.20 0 101 5 225 Dichloroptopame 24.6 10.0 23.20 0 106 70 130 1,2-Dichloropropale 24.5 10.0 23.20 0 106 70 130 1,2-Dichloropropale 24.5 10.0 23.20 0 106 35 165 1,3-Dichloropropale 24.5 10.0 23.20 0 106 35 165 1,4-Dich	1,1,1-Trichloroethane	21	1.5 10.0	23.20	0	92.9	70	130	
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 Chloroethyloryl Ether 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 0 106 70 135 1,1-Dichloropropane 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 0 106 35 165 1,3-Dichlorobropene 23.3 10.0 23.20 0 100 60 140	TTHM (Total Trihalomethanes)	86	3.3 10.0	92.80	0	93.0	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 0 106 70 130 1,1-Dichloropethane 24.6 10.0 23.20 0 106 70 130 1,2-Dichloropropane 24.5 10.0 23.20 0 106 70 130 1,3-Dichloropropylene 22.9 10.0 23.20 0 106 35 165 1,3-Dichloropropylene 22.9 10.0 23.20 0 100 60 140 Methyl bromide 14.7 20.0 23.20 0 100 60 140 Methylene chloride 24.5 5.00 23.20 0 106 60	Vinyl chloride	25	5.4 10.0	23.20	0	110	5	195	
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 0 106 70 130 1,2-Dichloropropane 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-Dichloropropalene 22.9 10.0 23.20 0 106 35 165 1,3-Dichloropropalene 22.9 10.0 23.20 0 98.7 25 175 Ethyl benzene 23.3 10.0 23.20 0 63.6 15 185 Methyl bromide 14.7 20.0 23.20 0 109 5 205	Acrylonitrile	45	5.1 50.0	46.40	0	97.3	60	140	
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-Dichloroptopane 24.6 10.0 23.20 0 106 70 130 1,2-Dichloropropylene 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 0 106 60 140 Toluene 25.4 20.0 23.20 0 106 60 140 Tolue	1,1,2,2-Tetra-chloroethane	26	3.0 10.0	23.20	0	112	60	140	
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 0 106 35 165 1,3-Dichloropropylene 22.9 10.0 23.20 0 100 60 140 Methyl benzene 23.3 10.0 23.20 0 100 60 140 Methyl bromide 14.7 20.0 23.20 0 109 5 205 Methyl chloride 25.4 20.0 23.20 0 106 60 140 Toluene 23.7 10.0 23.20 0 106 60 140 Toluene 23.7 10.0 23.20 0 98.9 70 130 <	Bromoform	20	0.0 10.0	23.20	0	86.3	65	135	
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-Trichloroethylene 22.9 2.00 23.20 0 98.9 70 130 1,2-	Chloroethane	24	1.9 10.0	23.20	0	107	40	160	
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 0 106 60 140 1,2-Trans-Dichloroethylene 22.9 2.00 23.20 0 98.9 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 65 135	2-Chloroethylvinyl Ether	23	3.4 10.0	23.20	0	101	5	225	
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 0 106 60 140 1,2-Trans-Dichloroethylene 22.9 2.00 23.20 0 98.9 70 130 1,2-Dichloroethane 22.5 10.0 23.20 0 97.0 70 130 1,2-Dichlorobenzene 24.0 5.00 23.20 0 104 65 135 1,4-Dichlorobenzene 24.5 5.00 23.20 0 106 65 13	Dichlorobromomethane	21	1.9 5.00	23.20	0	94.5	65	135	
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 <td< td=""><td>1,1-Dichloroethane</td><td>24</td><td>1.6 10.0</td><td>23.20</td><td>0</td><td>106</td><td>70</td><td>130</td><td></td></td<>	1,1-Dichloroethane	24	1.6 10.0	23.20	0	106	70	130	
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	1,2-Dichloropropane	24	1.5 10.0	23.20	0	106	35	165	
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: 2-Dichlorobenzene 205 200.0 103 76 119 Surr: Dibromofluorome	1,3-Dichloropropylene	22	2.9 10.0	23.20	0	98.7	25	175	
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 65 135 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: 2-Bromofluorobenzene 205 200.0 103 76 119 Surr: Dibromofluoromethane 191 200.0 95.3 85 115	Ethyl benzene	23	3.3 10.0	23.20	0	100	60	140	
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	Methyl bromide	14	1.7 20.0	23.20	0	63.6	15	185	
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	Methyl chloride	25	5.4 20.0	23.20	0	109	5	205	
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	Methylene chloride	24	1.5 5.00	23.20	0	106	60	140	
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	Toluene	23	3.7 10.0	23.20	0	102	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	1,2-Trans-Dichloroethylene	22	2.9 2.00	23.20	0	98.9	70	130	
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	1,1,2-Trichloroethane	22	2.5 10.0	23.20	0	97.0	70	130	
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	1,2-Dichlorobenzene	24	1.0 5.00	23.20	0	104	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	1,3-Dichlorobenzene	24	1.5 5.00		0	106	70	130	
Surr: 4-Bromofluorobenzene 205 200.0 103 76 119 Surr: Dibromofluoromethane 191 200.0 95.3 85 115	1,4-Dichlorobenzene	24	1.5 5.00	23.20	0	106	65	135	
Surr: Dibromofluoromethane 191 200.0 95.3 85 115	Surr: 1,2-Dichloroethane-d4	19	98	200.0		99.1	72	119	
	Surr: 4-Bromofluorobenzene	20	05	200.0		103	76	119	
Surr: Toluene-d8 208 200.0 104 81 120	Surr: Dibromofluoromethane	19	91	200.0		95.3	85	115	
	Surr: Toluene-d8	20	08	200.0		104	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

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR RunID: GCMS5_240509A

Sample ID: LCS-115330	Batch ID:	115330		TestNo	E62	4.1		Units:	μg/L
SampType: LCS	Run ID:	GCMS5	_240509A	Analys	is Date: 5/9/ 2	2024 10:45	MA 00:	Prep Date:	5/9/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	SRPD RPDLimit Qua
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: MB-115330	Batch ID:	115330		TestNo): E62	4.1		Units:	μg/L
SampType: MBLK	Run ID:	GCMS5	_240509A	Analys	is Date: 5/9/ 2	2024 11:11	:00 AM	Prep Date:	5/9/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	RPD RPDLimit Qua
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

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R RPD outside accepted control limits

S Spike Recovery outside control limits

N Parameter not NELAP certified

Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR **RunID:** GCMS5_240509A

Sample ID: MB-115330	Batch ID:	115330		TestNo	E624	4.1		Units:	μg/L		
SampType: MBLK	Run ID:	GCMS5	_240509A	Analys	is Date: 5/9/2	2024 11:11:	00 AM	00 AM Prep Date: 5/9/2024			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit Qua		
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: 2405128-02AMS	Batch ID:	115330		TestNo	E624	4.1		Units:	μg/L		
SampType: MS	Run ID:	GCMS5	_240509A	Analys	is Date: 5/9/2	2024 8:14:0	0 PM	Prep Date:	5/9/2024		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit Qua		
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			

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

MDL Method Detection Limit

RPD outside accepted control limits R

Spike Recovery outside control limits

Parameter not NELAP certified

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR RunID: GCMS5_240509A

SampType: MS Run ID: GCMS5_240509A Analysis Date: 5/9/2024 8:14-00 PM Prep Date: 5/9/2024 5/9/2024 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit 19/RPD RPDLimit Qual 11,2-Trichloroethrane 1,2-Dichlorobenzene 22.5 5.00 23.20 0 97.7 52 150 1,2-Dichlorobenzene 22.5 5.00 23.20 0 99.0 59 166 1,4-Dichlorobenzene 22.9 5.00 23.20 0 98.9 18 190 Surr: 1,2-Dichloroethrane-d4 206 200.0 103 72 119	Sample ID: 2405128-02AMS	Batch ID:	115330		TestNo	E62	4.1		Units:	μg/L	
1,2-Trichloroethane	SampType: MS	Run ID:	GCMS5	5_240509A	Analys	is Date: 5/9/ 2	2024 8:14:0	0 PM	Prep Date:	5/9/2	2024
1,2-Dichlorobenzene 22.5 5.00 23.20 0 97.1 18 190 150 1,3-Dichlorobenzene 23.0 5.00 23.20 0 99.0 59 156 156 150 140-Dichlorobenzene 23.0 5.00 23.20 0 99.0 59 156 156 150 150 150 150 150 150 150 150 150 150	Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	%RPD	RPDLimit Qual
1,2-Dichlorobenzene	1,1,2-Trichloroethane		22.7	10.0	23.20	0	97.7	52	150		
1,3-Dichlorobenzene 23,0 5,00 23,20 0 99,0 59 156 156 1,4-Dichlorobenzene 22,9 5,00 23,20 0 98,9 18 190 190 190 190 190 190 190 190 190 190	• •		22.5	5.00		0	97.1		190		
1,4-Dichlorobenzene 22.9 5.00 23.20 0 98.9 18 190 Head of the process o	1,3-Dichlorobenzene			5.00		0	99.0	59	156		
Surr: 4-Bromofluorobenzene Surri: Dibromofluoromethane Surri: Toluene-d8 200 200.0 98.7 85 115 Sample ID: 2405128-02AMSD Batch ID: 115330 TestNo: E624.1 Units: Light Mark Mark Mark Mark Mark Mark Mark Mark	1,4-Dichlorobenzene		22.9	5.00		0	98.9	18	190		
Surr: Dibromofluoromethane Surr: Toluene-d8 197 200.0 98.7 85 115 Sample ID: 2405128-02AMSD Batch ID: Run ID: 115330 TestNo: E624.1 Units: μg/L SampType: MSD Run ID: GCMS5_240509A Analysis Date: 5/9/2024 8:40:00 PM Prep Date: 5/9/2024 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 99.7 37 151 3.36 40 Chlorodibrezene 22.3 10.0 23.20 0 96.0 37 160 2.22 40 Chlorodibromomethane 19.9 5.00 23.20 0 98.8 53 149 3.36 40 1,2-Dibromoethane 20.8 5.00 23.20 0 86.3 40 160 5.50	Surr: 1,2-Dichloroethane-d4		206		200.0		103	72	119		
Surr: Toluene-d8 202 200.0 101 81 120 Sample ID: 2405128-02AMSD Batch ID: 115330 TestNo: E624.1 Units: Jug/L µg/L SampType: MSD Run ID: GCMS5_240509A Analysis Date: 5/9/2024 8:40:00 PM Prep Date: 5/9/2024 5/9/2024 Analyte Result RL SPK value Ref Val WREC 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 96.0 37 160 2.22 40 Chloroform 21.6 2.00 23.20 0 98.3 51 138 4.70 40 Chlorodibromomethane 19.9 5.00 23.20 0 85.8 53 149 3.36 40 Chlorodibromomethane 20.0 20.0 23.20 0 86.8 53 149 3.36 40 1,2-Dichloroethane	Surr: 4-Bromofluorobenzene		200		200.0		100	76	119		
Sample ID: 2405128-02AMSD	Surr: Dibromofluoromethane		197		200.0		98.7	85	115		
SampType: MSD Run ID: GCMS5_240509A Analysis Date: 5/9/2024 8:40:00 PM Prep Date: 5/9/2024 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 Chlorodibromomethane 19.9 5.00 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 1,1-Dibroethylene 20.7 5.00	Surr: Toluene-d8		202		200.0		101	81	120		
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 Chlorobenzene 21.6 2.00 23.20 0 96.0 37 160 2.22 40 Chlorodibrommethane 19.9 5.00 23.20 0 85.8 53 149 3.36 40 1,2-Dibromoethane 20.0 2.00 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-Dibromoethane 20.8 5.00 23.20 0 88.6 49 155 5.10 40 1,2-Dibromoethylene 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 99.6 64 148 2.20 39 Trichloroethylene 20.3 5.00 23.20 0 87.6 70 157 3.19 40 1,1-Trichloroethane 20.1 10.0 23.20 0 88.8 52 162 3.70 36 TTHM (Total Trihalomethanes) 80.8 10.0 92.80 0 87.0 40 160 4.27 40 17HM (Total Trihalomethanes) 80.8 10.0 92.80 0 87.0 40 160 8.61 40 Acrolein 51.5 50.0 58.00 98.87 40 160 8.61 40 Acrolein 51.5 50.0 58.00 0 88.7 40 160 8.61 40 Acrolein 51.5 50.0 58.00 0 88.7 40 160 8.61 40 Acrolein 51.5 50.0 58.00 0 88.7 40 160 8.61 40 Acrolein 51.5 50.0 58.00 0 88.7 40 160 8.61 40 Acrolein 51.5 50.0 58.00 0 88.7 40 160 8.61 40 Acrolein 51.5 50.0 58.00 0 88.7 40 160 8.61 40 Acrolein 18.0 10.0 23.20 0 102 46 157 9.55 40 Bromoform 18.0 10.0 23.20 0 90.0 14 230 5.10 40 Dichloroethane 20.9 10.0 23.20 0 91.3 35 155 3.55 40 Dichloroethane 20.9 10.0 23.20 0 91.3 35 155 3.55 40 1,1-Dichloroethane 23.1 10.0 23.20 0 91.3 35 155 3.55 40 1,1-Dichloroethane 23.1 10.0 23.20 0 91.3 35 155 3.55 40 1,1-Dichloroethane 23.1 10.0 23.20 0 91.3 35 155 3.55 40 1,1-Dichloroethane 23.1 10.0 23.20 0 91.3 35 155 3.55 40 1,1-Dichloroethane 23.1 10.0 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	Sample ID: 2405128-02AMSD	Batch ID:	115330		TestNo): E62	4.1		Units:	μg/L	
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-Dibromoethane 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 87.6 70 157 3.19 40 1,1,1-Trichloroethylene 20.3 5.00 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 8.61 40 Acrylonitrile 39.5 50.0 46.40 0 85.2 40 160 8.61 40 Acrylonitrile 20.9 10.0 23.20 0 77.7 45 169 5.59 40 Bromoform 18.0 10.0 23.20 0 90.0 14 230 5.10 40 L1,1-Dichloroethane 20.9 10.0 23.20 0 91.3 35 155 3.55 40 L1,1-Dichloroethane 21.2 5.00 23.20 0 91.3 35 155 3.55 40 L1,1-Dichloroethane 21.2 5.00 23.20 0 91.3 35 155 3.55 40	SampType: MSD	Run ID:	GCMS5	5_240509A	Analys	is Date: 5/9/ 2	2024 8:40:0	0 PM	Prep Date:	5/9/2	2024
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 89.6 49 155 5.10 40 Tetrachloroethylene 20.1 10.0 23.20 0 86.6 40 160 8.62 40 1,1,1-Trichloroethylene 20.3 <td< td=""><td>Analyte</td><td></td><td>Result</td><td>RL</td><td>SPK value</td><td>Ref Val</td><td>%REC</td><td>LowLim</td><td>it HighLimit 9</td><td>%RPD</td><td>RPDLimit Qual</td></td<>	Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit 9	%RPD	RPDLimit Qual
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-Dichloroethylene 20.7 5.00 23.20 0 89.6 49 155 5.10 40 1,1-Dichloroethylene 20.7 5.00 23.20 0 89.6 49 155 5.10 40 Methyl ethyl ketone 100 50.0 116.0 0 86.6 40 160 8.62 40 Tetrachloroethylene 21.0 10.0 23.20 0 87.6 70 157 3.19 40 1,1,1-Trichloroethane 20.1 1	Benzene		23.1	10.0	23.20	0	99.7	37	151	3.36	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 <th< td=""><td>Carbon tetrachloride</td><td></td><td>19.7</td><td>2.00</td><td>23.20</td><td>0</td><td>84.8</td><td>70</td><td>140</td><td>5.58</td><td>40</td></th<>	Carbon tetrachloride		19.7	2.00	23.20	0	84.8	70	140	5.58	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 23.20 0 88.3 10 251 2.28 40	Chlorobenzene		22.3	10.0	23.20	0	96.0	37	160	2.22	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	Chloroform		21.6	2.00	23.20	0	93.3	51	138	4.70	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	Chlorodibromomethane		19.9	5.00	23.20	0	85.8	53	149	3.36	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	1,2-Dibromoethane		20.0	2.00	23.20	0	86.3	40	160	5.50	40
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 77.7 45 169 5.59 40 <td>1,2-Dichloroethane</td> <td></td> <td>20.8</td> <td>5.00</td> <td>23.20</td> <td>0</td> <td>89.6</td> <td>49</td> <td>155</td> <td>5.10</td> <td>40</td>	1,2-Dichloroethane		20.8	5.00	23.20	0	89.6	49	155	5.10	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	1,1-Dichloroethylene		20.7	5.00	23.20	0	89.3	10	234	2.31	32
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	Methyl ethyl ketone		100	50.0	116.0	0	86.6	40	160	8.62	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	Tetrachloroethylene		21.0	10.0	23.20	0	90.6	64	148	2.20	39
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 <td>Trichloroethylene</td> <td></td> <td>20.3</td> <td>5.00</td> <td>23.20</td> <td>0</td> <td>87.6</td> <td>70</td> <td>157</td> <td>3.19</td> <td>40</td>	Trichloroethylene		20.3	5.00	23.20	0	87.6	70	157	3.19	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	1,1,1-Trichloroethane		20.1	10.0	23.20	0	86.8	52	162	3.70	36
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	TTHM (Total Trihalomethanes)		80.8	10.0	92.80	0	87.0	40	160	4.27	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	Vinyl chloride		20.5	10.0	23.20	0	88.3	10	251	2.28	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	Acrolein		51.5	50.0	58.00	0	88.7	40	160	8.61	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	Acrylonitrile		39.5	50.0	46.40	0	85.2	40	160	9.46	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	1,1,2,2-Tetra-chloroethane		23.7	10.0	23.20	0	102	46	157	9.55	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	Bromoform		18.0	10.0	23.20	0	77.7	45	169	5.59	40
1,1-Dichloroethane 23.1 10.0 23.20 0 99.5 59 155 3.77 40	Chloroethane		20.9	10.0	23.20	0	90.0	14	230	5.10	40
1,1-Dichloroethane 23.1 10.0 23.20 0 99.5 59 155 3.77 40	Dichlorobromomethane		21.2	5.00	23.20	0	91.3	35	155	3.55	40
1.2-Dichloropropage 23.0 10.0 23.20 0 00.0 10 210 3.92 40	1,1-Dichloroethane		23.1		23.20	0	99.5	59			40
1,≥=Didiliotopropario 20.0 10.0 20.20 0 99.0 10 210 3.02 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	· ·							10			
Ethyl benzene 21.3 10.0 23.20 0 91.9 37 162 3.47 40						0		37			
Methyl bromide 12.0 20.0 23.20 0 51.8 10 242 8.73 40	Methyl bromide			20.0		0		10		8.73	
Methyl chloride 21.1 20.0 23.20 0 91.0 5 273 0.449 40	•					0		5		0.449	
Methylene chloride 23.7 5.00 23.20 0 102 10 221 2.72 28						0		10		2.72	
Toluene 21.9 10.0 23.20 0 94.5 47 150 3.38 40	Toluene		21.9	10.0		0	94.5	47			

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

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR RunID: GCMS5_240509A

Sample ID: 2405128-02AMSD	Batch ID:	115330		TestNo	E62	4.1		Units:	μg/L	
SampType: MSD	Run ID:	GCMS5	_240509A	Analys	is Date: 5/9/ 2	2024 8:40:0	0 PM	Prep Date	e: 5/9/ 2	2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it 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

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Work Order: 2405086

Project:

ANALYTICAL QC SUMMARY REPORT

IPP WEST Plant Long QTR RunID: GCMS5_240509A

Sample ID: ICV-240509	Batch ID:	R1329	61	TestN	o: E62 4	4.1		Units:	μg/L	-
SampType: ICV	Run ID:	GCMS	5_240509A	Analys	sis Date: 5/9/2	2024 9:54:0	0 AM	Prep Date) :	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it 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

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR

RunID: IC4_240509A

The QC data	in batch 115339 ap	nlies to the	following sar	nnles: 240	5086-05C 2404	5086-060					
Sample ID: I		Batch ID:	-	iipics. 240	TestNo:		n		Units:	ug/I	
· ·		Run ID:		10 A				EO AM		μg/L	24
SampType: I	WIDLK	Null ID.	IC4_24050	JJA	AllalySi	s Date: 5/9/2	2024 10:39:	JO AIVI	Prep Date:	5/9/20	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit Qual
Fluoride			<100	400							
Nitrate-N			<100	500							
Sample ID: L	LCS-115339	Batch ID:	115339		TestNo	E300	0		Units:	μg/L	
SampType: L	LCS	Run ID:	IC4_24050	9A	Analysi	s Date: 5/9/2	2024 11:18:	53 AM	Prep Date:	5/9/20	24
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit Qual
Fluoride			3910	400	4000	0	97.7	90	110		
Nitrate-N			4840	500	5000	0	96.9	90	110		
Sample ID: I	LCSD-115339	Batch ID:	115339		TestNo	E300	0		Units:	μg/L	
SampType: I	LCSD	Run ID:	IC4_24050	9A	Analysi	s Date: 5/9/2	2024 11:44:	45 AM	Prep Date:	5/9/20	24
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	%RPD R	PDLimit 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: 2	2405124-01CMS	Batch ID:	115339		TestNo	E300	0		Units:	μg/L	
SampType: I	MS	Run ID:	IC4_24050	9A	Analysi	s Date: 5/9/2	2024 4:12:1	7 PM	Prep Date:	5/9/20	24
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit Qual
Fluoride			1850000	40000	2000000	0	92.7	90	110		
Nitrate-N			434000	50000	452000	0	96.0	90	110		
Sample ID: 2	2405124-01CMSD	Batch ID:	115339		TestNo	E300	0		Units:	μg/L	
SampType: N	MSD	Run ID:	IC4_24050	9A	Analysi	s Date: 5/9/2	2024 4:31:1	7 PM	Prep Date:	5/9/20	24
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit 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: 2	2405115-01AMS	Batch ID:	115339		TestNo	E300	0		Units:	μg/L	
SampType: I	MS	Run ID:	IC4_24050	9A	Analysi	s Date: 5/9/2	2024 5:09:1	7 PM	Prep Date:	5/9/20	24
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit Qual
Fluoride			196000	4000	200000	1900	97.2	90	110		

Qualifiers: B Analyte detected in the associated Method Blank

 $J \quad \ \ Analyte \ detected \ between \ MDL \ and \ RL$

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

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S Spike Recovery outside control limits

N Parameter not NELAP certified

Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR RunID: IC4_240509A

Sample ID: 2405115-01AMSD	Batch ID:	115339		TestNo	: E3	00		Units:	μg/L	
SampType: MSD	Run ID:	IC4_24	0509A	Analys	is Date: 5/9	9/2024 5:28:17	7 PM	Prep Date	: 5/9/2	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 limitsN Parameter not NELAP certified

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR RunID: IC4_240509A

Sample ID: ICV-240509	Batch ID:	R132973	3	TestNo	: E30	0		Units:	μg/L	-
SampType: ICV	Run ID:	IC4_240	509A	Analysi	s Date: 5/9/	2024 10:40:	53 AM	Prep Date	:	
Analyte	l	Result	RL	SPK value	Ref Val	%REC	LowLimit	t HighLimit	%RPD	RPDLimit Qual
Fluoride		10100	400	10000	0	101	90	110		
Nitrate-N		12700	500	12500	0	102	90	110		

Sample ID: CCV1-240509	Batch ID	: R132973		TestNo	E30	0		Units:	μg/L	_
SampType: CCV	Run ID:	IC4_240	509A	Analys	is Date: 5/10	/2024 9:37:	32 AM	Prep Date	: :	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit	%RPD	RPDLimit Qua
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

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R RPD outside accepted control limits

S Spike Recovery outside control limits

N Parameter not NELAP certified

Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

UV/VIS_2_240508C **RunID: Project:** IPP WEST Plant Long QTR

The QC data in batch 115308 ap	plies to the	following sar	mples: 2405	5086-01A, 2405	086-02A					
Sample ID: MB-115308	Batch ID:	115308		TestNo:	M35	600-Cr B		Units:	μg/L	
SampType: MBLK	Run ID:	UV/VIS_2	_240508C	Analysis	Date: 5/8/ 2	2024 10:33:0	00 AM	Prep Date:	5/8/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	%RPD RPDLi	mit Qual
Chromium (Hex)		<3.00	3.00							
Chromium (Tri)		<2.00	3.00							N
Sample ID: LCS-115308	Batch ID:	115308		TestNo:	M35	600-Cr B		Units:	μg/L	
SampType: LCS	Run ID:	UV/VIS_2	_240508C	Analysis	Date: 5/8/ 2	2024 10:33:0	00 AM	Prep Date:	5/8/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	%RPD RPDLi	mit Qual
Chromium (Hex)		99.9	3.00	100.0	0	99.9	85	115		
Sample ID: LCSD-115308	Batch ID:	115308		TestNo:	M35	500-Cr B		Units:	μg/L	
SampType: LCSD	Run ID:	UV/VIS_2	_240508C	Analysis	Date: 5/8/ 2	2024 10:34:0	00 AM	Prep Date:	5/8/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	%RPD RPDLi	mit Qual
Chromium (Hex)		104	3.00	100.0	0	104	85	115	3.56 15	5
Sample ID: 2405086-02A MS	Batch ID:	115308		TestNo:	M35	600-Cr B		Units:	μg/L	
SampType: MS	Run ID:	UV/VIS_2	_240508C	Analysis	Date: 5/8/ 2	2024 10:38:0	00 AM	Prep Date:	5/8/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	%RPD RPDLi	mit Qual
Chromium (Hex)		87.0	3.00	100.0	0	87.0	85	115		
Sample ID: 2405086-02A MSD	Batch ID:	115308		TestNo:	M35	00-Cr B		Units:	μg/L	
SampType: MSD	Run ID:	UV/VIS_2	_240508C	Analysis	Date: 5/8/ 2	2024 10:38:0	00 AM	Prep Date:	5/8/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	%RPD RPDLi	mit Qual
Chromium (Hex)		87.0	3.00	100.0	0	87.0	85	115	0.023 15	5

Qualifiers: Analyte detected in the associated Method Blank

> J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits Page 39 of 44

S Spike Recovery outside control limits

Parameter not NELAP certified

Work Order: 2405086

Chromium (Hex)

ANALYTICAL QC SUMMARY REPORT

90

110

95.6

RunID: UV/VIS_2_240508C **Project:** IPP WEST Plant Long QTR

191

3.00

Sample ID: ICV-240508	Batch ID:	R132957		TestNo:	M35	500-Cr B		Units:	μg/L	
SampType: ICV	Run ID:	UV/VIS_2	_240508C	Analysis	Date: 5/8/	2024 10:31:0	00 AM	Prep Date	:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD R	PDLimit Qual
Chromium (Hex)		94.4	3.00	100.0	0	94.4	90	110		
Sample ID: CCV-240508	Batch ID:	R132957		TestNo:	M35	500-Cr B		Units:	μg/L	
SampType: CCV	Run ID:	UV/VIS_2	_240508C	Analysis	Date: 5/8/	2024 10:45:0	00 AM	Prep Date	:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD R	PDLimit Qual

200.0

0

Qualifiers:

В Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

RPD outside accepted control limits R

S Spike Recovery outside control limits

Parameter not NELAP certified

83

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Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

UV/VIS_2_240515A **RunID: Project:** IPP WEST Plant Long QTR

•		0 -								
The QC data in batch 115386 ap	plies to the	following san	nples: 240	5086-05B, 2405	086-06B					
Sample ID: MB-115386	Batch ID:	115386		TestNo:	M45	00-P E		Units:	μg/L	
SampType: MBLK	Run ID:	UV/VIS_2	_240515A	Analysis	3 Date: 5/15	/2024 9:27:	00 AM	Prep Date:	5/14/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	%RPD RPDLimit	Qual
Phosphorus		<40.0	100							
Sample ID: LCS-115386	Batch ID:	115386		TestNo:	M45	00-P E		Units:	μg/L	
SampType: LCS	Run ID:	UV/VIS_2	_240515A	Analysis	3 Date: 5/15	/2024 9:27:	00 AM	Prep Date:	5/14/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit	Qual
Phosphorus		521	100	500	0	104	80	120		
Sample ID: LCSD-115386	Batch ID:	115386		TestNo:	M45	00-P E		Units:	μg/L	
SampType: LCSD	Run ID:	UV/VIS_2	_240515A	Analysis	3 Date: 5/15	/2024 9:28:	00 AM	Prep Date:	5/14/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	%RPD RPDLimit	Qual
Phosphorus		520	100	500	0	104	80	120	0.192 20	
Sample ID: 2405086-06BMS	Batch ID:	115386		TestNo:	M45	00-P E		Units:	μg/L	
SampType: MS	Run ID:	UV/VIS_2	_240515A	Analysis	3 Date: 5/15	/2024 9:30:	00 AM	Prep Date:	5/14/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	%RPD RPDLimit	Qual
Phosphorus		732	100	500	247	97.0	80	120		
Sample ID: 2405086-06BMSD	Batch ID:	115386		TestNo:	M45	00-P E		Units:	μg/L	
SampType: MSD	Run ID:	UV/VIS_2	_240515A	Analysis	3 Date: 5/15	/2024 9:30:	00 AM	Prep Date:	5/14/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	%RPD RPDLimit	Qual
Phosphorus		729	100	500	247	96.4	80	120	0.411 20	

Qualifiers: Analyte detected in the associated Method Blank

> J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits Page 41 of 44

S Spike Recovery outside control limits

Parameter not NELAP certified

Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR RunID: UV/VIS_2_240515A

Sample ID: ICV-240515 SampType: ICV	Batch ID:	R133045	2 240515A	TestNo:	M45 s Date: 5/15	00-P E	00 AM	Units: Prep Date	μg/L	
Analyte		Result	RL	SPK value	Ref Val	%REC		<u>'</u>		RPDLimit Qual
Phosphorus		216	100	200	0	108	85	115		
Sample ID: CCV1-240515	Batch ID:	R133045		TestNo:	M45	00-P E		Units:	μg/L	
SampType: CCV	Run ID:	UV/VIS_	2_240515A	Analysis	s Date: 5/15	/2024 9:53:	00 AM	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

RPD outside accepted control limits

S Spike Recovery outside control limits

N Parameter not NELAP certified

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R

Work Order: 2405086

ANALYTICAL QC SUMMARY REPORT

UV/VIS_2_240515D **RunID: Project:** IPP WEST Plant Long QTR

The QC data in batch 115390 ap	plies to the	following sam	ples: 2405	5086-03B, 2405	086-04B				
Sample ID: MB-115390	Batch ID:	115390		TestNo:	M45	500-CN E		Units:	μg/L
SampType: MBLK	Run ID:	UV/VIS_2_	240515D	Analysis	Date: 5/15	5/2024 3:10:	00 PM	Prep Date:	5/15/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	6RPD RPDLimit Qual
Cyanide, Available		<10.0	20.0						
Cyanide, Total		<10.0	20.0						
Sample ID: LCS-115390	Batch ID:	115390		TestNo:	M45	600-CN E		Units:	μg/L
SampType: LCS	Run ID:	UV/VIS_2_	240515D	Analysis	Date: 5/15	5/2024 3:11:	00 PM	Prep Date:	5/15/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	6RPD RPDLimit Qual
Cyanide, Total		183	20.0	200	0	91.5	85	115	
Sample ID: 2405085-04BMS	Batch ID:	115390		TestNo:	M45	600-CN E		Units:	μg/L
SampType: MS	Run ID:	UV/VIS_2_	240515D	Analysis	Date: 5/15	5/2024 3:11:	00 PM	Prep Date:	5/15/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	6RPD RPDLimit Qual
Cyanide, Total		189	20.0	200	0	94.3	79	114	
Sample ID: 2405085-04BMSD	Batch ID:	115390		TestNo:	M45	00-CN E		Units:	μg/L
SampType: MSD	Run ID:	UV/VIS_2_	240515D	Analysis	Date: 5/15	5/2024 3:12:	00 PM	Prep Date:	5/15/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	6RPD RPDLimit Qual
Cyanide, Total		178	20.0	200	0	88.9	79	114	5.89 20

Qualifiers: Analyte detected in the associated Method Blank

> J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

RPD outside accepted control limits

S Spike Recovery outside control limits

Parameter not NELAP certified

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R

Work Order: 2405086

Cyanide, Total

ANALYTICAL QC SUMMARY REPORT

Project: IPP WEST Plant Long QTR RunID: UV/VIS_2_240515D

Sample ID: ICV-240515	Batch ID:	R133079		TestNo:	M45	00-CN E		Units:	μg/L	
SampType: ICV	Run ID:	UV/VIS_2	_240515D	Analysis	Date: 5/15	5/2024 3:09:0	00 PM	Prep Date	:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDI	_imit Qual
Cyanide, Total		98.6	20.0	100	0	98.6	85	115		
Sample ID: CCV1-240515	Batch ID:	R133079		TestNo:	M45	600-CN E		Units:	μg/L	
SampType: CCV	Run ID:	UV/VIS_2	_240515D	Analysis	Date: 5/15	5/2024 3:20:0	00 PM	Prep Date	:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HiahLimit	%RPD RPDI	imit Qual

200

0

87.7

85

115

Qualifiers:

B Analyte detected in the associated Method Blank

175

20.0

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

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DHL1-C

DHL Analytical
John Dupont
2300 Double Creek Dr
Round Rock, TX 78664

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Project 1102832

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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 me 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

5/28/2024

Name Signature Official Title Date

TNI

Central TX Region: 8101 Cameron Rd - Ste 305 Austin TX 78754

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SAMPLE CROSS REFERENCE



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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 EPA 245.7 2	Bottle 02	PrepSet 1119325	Preparation 05/15/2024	QcGroup 1119481	Analytical 05/15/2024	
Sample	e Sample ID Tak		Time		Received		
2297991	P1 EFFLUENT GRAB 1 05/0		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 EPA 245.7 2		Bottle 02	PrepSet 1119325	Preparation 05/15/2024	QcGroup 1119481	Analytical 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 EPA 615		Bottle 02	PrepSet 1119425	Preparation 05/15/2024	QcGroup 1119920	Analytical 05/17/2024
Sample	Sample ID	Taken	Time		Received	
2297994	EFFLUENT COMP	05/08/2024	23:59:00	<u> </u>	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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05/17/2024

05/28/2024

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SAMPLE PREPARATION

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2405086

		Prep Set # 1119325	05/15/2024
Analytical Set #	111948	EPA 245.7 2	05/15/2024
	Sample	Sample ID	Bottle
	2297988	INFLUENT GRAB 1	02
	2297991	EFFLUENT GRAB 1	02

1119425 Prep Set # 05/15/2024 **EPA 615** Analytical Set # 1119920

Sample Sample Sample	ample ID	Bottle
2297993 IN	NFLUENT COMP	02
2297994 E	EFFLUENT COMP	02



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HOLDING TIME COMPLIANCE

DHL Analytical John Dupont 2300 Double Creek Dr Round Rock, TX 78664



2405086

<u>Name</u>	<u>Method</u>	Taken:	Received Analyzed	<u>Hold</u> <u>Elapsed</u>
	2297988	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 Meta	ls EPA 245.7 2		5/15/24 9:30	90.00 7.00
	2297991	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 Meta	ls EPA 245.7 2		5/15/24 9:30	90.00 7.00
	2297993	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
	2297994	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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Project 1102832

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2405086

RESULTS

					Sample I	Resu	ılts						
	2297988	INFLUENT GR	AB 1								Received:	05/10	/2024
N	on-Potable Water		Collect Taken:	ed by: Client 05/07/2024	DHL Analytical 12:00:00					PO:		2083	
	SPA 245.72			Prepared:	1119325	05/15	5/2024	09:30:00	Analyzed	1119481	05/15/2024	13:41:00	MP1
NELAC	Parameter Mercury, Total	(low level)		Results 3.07	<i>Um</i> ng/l		<i>RL</i> 5.00		<i>Flag</i> J	TS	<i>CAS</i> 7439-97-6		Bottle 02
	2297991	EFFLUENT GF	RAB 1								Received:	05/10	/2024
N	on-Potable Water		Collect Taken:	ed by: Client 05/07/2024	DHL Ana	lytica 3:59:0				PO:			20830
E	PA 245.72			Prepared:	1119325	05/15	5/2024	09:30:00	Analyzed	1119481	05/15/2024	13:51:00	
	Parameter			Results	Uni		RL		Flag	TS.	CAS		Bottle
NELAC	Mercury, Total	(low level)		<1.28	ng/l	_	1.28				7439-97-6		02
	2297993	INFLUENT CO	MP								Received:	05/10	/2024
N	on-Potable Water		Collect Taken:	ed by: Client 05/08/2024	DHL Ana	lytica 2:00:0				PO:			20830
E	PA 615			Prepared:	1119425	05/15	5/2024	14:00:00	Analyzed	1119920	05/17/2024	06:37:00	KAP
	Parameter	,, ,,		Results	Uni		RL		Flag	TS.	CAS		Bottle
NELAC NELAC	2,4 Dichloroph 2,4,5-TP (Silve	enoxyacetic acid ex)		<0.700 <0.300	ug/I ug/I		0.700 0.300		SD S		94-75-7 93-72-1		02 02



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Project

DHL1-C

John Dupont 2300 Double Creek Dr

DHL Analytical 1102832 Round Rock, TX 78664 Printed: 05/28/2024

_												
	2297994	EFFLUENT CO	MP							Received:	05/10/	2024
]	Non-Potable Wate	er	Collected by:		DHL Ana	lytical			PO:		2	20830
			<i>Taken:</i> 05/0	8/2024	2.	3:59:00						
_	EPA 615			Prepared:	1119425	05/15/2024	14:00:00	Analyzed	1119920	05/17/2024	06:57:00	KAI
	Parameter			Results	Uni	its RL		Flags		CAS		Bottle
VELAC		henoxyacetic acid		0.776	ug/l			JSD		94-75-7		02
VELAC	2,4,5-TP (Silv	rex)		0.914	ug/l			S		93-72-1		02
_					ample Pro	eparation						
	2297988	INFLUENT GRA	AB 1							Received:	05/10/	2024
											2	20830
			05/0	7/2024								
_				Prepared:		05/28/2024	14:34:00	Analyzed		05/28/2024	14:34:00	WJF
Z	Level IV Data	Review		Completed								
	EPA 245.72			Prepared:	1119325	05/15/2024	09:30:00	Analyzed	1119325	05/15/2024	09:30:00	MP1
NELAC 	Low Level Me	ercury Liquid Metals		50/47	ml							01
	2297991	EFFLUENT GRA	AB 1							Received:	05/10/	2024
											2	20830
			05/0	7/2024								
_				Prepared:		05/28/2024	14:34:00	Analyzed		05/28/2024	14:34:00	WJP
Z	Level IV Data	Review		Completed								
_												



09:30:00

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09:30:00

MP1

Prepared: 1119325 05/15/2024

EPA 245.72

Analyzed 1119325 05/15/2024

Office: 903-984-0551 * Fax: 903-984-5914



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Project 1102832

DHL1-C

DHL Analytical John Dupont 2300 Double Creek Dr Round Rock, TX 78664

Printed: 05/28/2024

2297991 EFFLUENT GRAB 1 Received: 05/10/2024

20830

		05/07/2024						4	20830
E	PA 245.7 2	Prepared:	1119325	05/15/2024	09:30:00	Analyzed 1119325	05/15/2024	09:30:00	MP
ELAC	Low Level Mercury Liquid Metals	50/47	ml	I					01
	2297993 INFLUENT COMP	05/08/2024					Received:	05/10/	/2024 20830
		Prepared:		05/10/2024	15:14:30	Calculated	05/10/2024	15:14:30	CAI
	Environmental Fee (per Project)	Verified <i>Prepared:</i>		05/28/2024	14:34:00	Analyzed	05/28/2024	14:34:00	WJI
	Level IV Data Review	Completed							
Е	PA 615	Prepared:	1119425	05/15/2024	14:00:00	Analyzed 1119425	05/15/2024	14:00:00	МС
ELAC E	Esterification of Sample EPA 615	10/525 <i>Prepared:</i>	ml	05/15/2024	14:00:00	Analyzed 1119920	05/17/2024	06:37:00	01 KA
ELAC	Herbicides by GC	Entered							02
	2297994 EFFLUENT COMP						Received:	05/10/	2024

05/08/2024



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20830

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Project 1102832

DHL1-C

DHL Analytical John Dupont 2300 Double Creek Dr Round Rock, TX 78664

> 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
Z	Level IV Data Review	Completed								
1	EPA 615	Prepared:	1119425	05/15/2024	14:00:00	Analyzed	1119425	05/15/2024	14:00:00	МСС
NELAC	Esterification of Sample	10/527	ml							01
I	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

D - Duplicate RPD was higher than expected

S - Standard reads lower than desired

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

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

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

z -- Not covered by our NELAC scope of accreditation

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

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' flaq). 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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The Science of Sure

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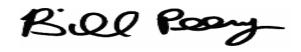
Project 1102832

05/28/2024

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DHL1-C

DHL Analytical John Dupont 2300 Double Creek Dr Round Rock, TX 78664



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RESULTS

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DHL1

DHL Analytical John Dupont 2300 Double Creek Dr Round Rock, TX 78664 Printed 05/28/2024 **2405086**

 <u>CAS</u>	Parameter			Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable W	ater]	Metals								EPA	A 245.7 2	
2297988	INFLUENT GRAB	1											
				Collection:	05/07/20)24	12:00:00	Client			Received:	05/10/2024	
Prepa	ared: 11	119325											
						Analyzed:		1119481	5/	15/24	13:41:00		
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
2297991	EFFLUENT GRAB	1											
				Collection:	05/07/20)24	23:59:00	Client			Received:	05/10/2024	
Prepa	ared: 11	119325											
						Analyzed:		1119481	5/	15/24	13:51:00		
7439-97-6	Mercury, Total (low	level)		ND	1.20	1.28	5.00	5.32		ng/L	5.00	02	1.06

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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The Science of Sure

RESULTS

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Printed 05/28/2024 **2405086**

DHL1

DHL Analytical John Dupont 2300 Double Creek Dr Round Rock, TX 78664

Qualifiers:

- J Analyte detected below quantitation limit
- D Duplicate RPD was higher than expected
- S Standard reads lower than desired

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

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

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

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RESULTS

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Project

1102832

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2405086

DHL1

DHL Analytical John Dupont 2300 Double Creek Dr Round Rock, TX 78664

<u>CAS</u>	Parame	ter		Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potab	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	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 Dic	hlorophenoxyacetic 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-T	P (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

DHL1

DHL Analytical John Dupont 2300 Double Creek Dr Round Rock, TX 78664

Qualifiers:

- J Analyte detected below quantitation limit
- D Duplicate RPD was higher than expected
- S Standard reads lower than desired

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

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

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

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QC GROUPS 05/28/2024 Page 1 of 1

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	Test	<i>QCgroup</i>	Analyzed	
	ESRL	1,119,425	05/15/2024	
	2451	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)	Teledy	ne Leeman labs	US23192001
	*Hgl	1,119,481	05/15/2024	



Central TX Region: 8101 Cameron Rd - Ste 305 Austin TX 78754

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QUALITY CONTROL



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Printed 05/28/2024

DHL1-C

DHL Analytical John Dupont 2300 Double Creek Dr Round Rock, TX 78664

CCC Parameter PrepSet Reading MDL MQL Units File File									Printed	05/28/202	<i>Z</i> 4	
Parameter Reading Known Units Recovereth Limitoth File Reading No. 113 70.0 - 130 126340012 126340012 126340012 126340012 126340012 126340012 126340012 126340009 12634009	Analytical Set	1119481									EP	A 245.7 2
Mercury, Total (low level) 5.67 5.00 ng/L 113 70.0 - 130 126340012					AWR	L/LOQ C						
Parameter	<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File			
Preparate Prep Reading MIDL MQL Units Links Li	Mercury, Total (low level)		5.67	5.00	ng/L	113	70.0 - 130		126340012			
Mercury, Total (low level)					E	Blank						
CCC Parameter PrepSet Reading MDL MQL Units File File	<u>Parameter</u>	PrepSet	Reading	MDL	MQL	Units			File			
Premeter PrepSet Reading MDL MQL Units File	Mercury, Total (low level)	1119325	ND	1.20	5.00	ng/L			126340009			
Mercury, Total (low level)						ССВ						
Mercury, Total (low level) 1119325 2.45 1.20 5.00 ng/L 126340026 126340037 126340037 126340025 126340037 126340057	<u>Parameter</u>	PrepSet	Reading	MDL	MQL	Units			File			
Mercury, Total (low level) 1119325 2.01 1.20 5.00 ng/L 126340038 126340066	Mercury, Total (low level)	1119325	1.73	1.20	5.00	ng/L			126340014			
Mercury, Total (low level) 1119481 1.68 1.20 5.00 ng/L 126340066	Mercury, Total (low level)	1119325	2.45	1.20	5.00	ng/L			126340026			
CCV Parameter Reading Known Units Recover% Limits% File	Mercury, Total (low level)	1119325	2.01	1.20	5.00	ng/L			126340038			
Parameter Reading Known Units Recover% Limits% File	Mercury, Total (low level)	1119481	1.68	1.20	5.00	ng/L			126340066			
Mercury, Total (low level) 26.0 25.0 ng/L 104 87.0 - 113 126340013 126340013 126340013 126340013 126340025 126340013 126340025 126340013 126340025 126340013 126340037 126340037 126340043 126340045 126340043 126340065 1264 126340043 126340065 1264 126340065 1264 126340065 126340065 1264 126340065 126340065 1264 126340065 126340065 126340065 126340065 126340067 126340007 126340007 126340007 126340007 126340007 126340007 126340007 126340007 126340007 126340007 126340007 126340007 126340008 12634000						CCV						
Mercury, Total (low level)	<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File			
Mercury, Total (low level)	Mercury, Total (low level)		26.0	25.0	ng/L	104	87.0 - 113		126340013			
Mercury, Total (low level) 26.9 25.0 ng/L 108 87.0 - 113 126340043 126340054	Mercury, Total (low level)		26.5	25.0	ng/L	106	87.0 - 113		126340025			
Mercury, Total (low level) 26.9 25.0 ng/L 108 87.0 - 113 126340054	Mercury, Total (low level)		26.8	25.0	ng/L	107	87.0 - 113		126340037			
Mercury, Total (low level)	Mercury, Total (low level)		26.9	25.0	ng/L	108	87.0 - 113		126340043			
Carameter Reading Known Units Recover% Limits% File	Mercury, Total (low level)				ng/L		87.0 - 113		126340054			
Reading Known Units Recover% Limits% File	Mercury, Total (low level)		27.6	25.0	ng/L	110	87.0 - 113		126340065			
Mercury, Total (low level) 50.0 50.0 ng/L 100 90.0 - 110 126340007 Parameter Reading Known Units Recover% Limits% File Mercury, Total (low level) 27.2 25.0 ng/L 109 90.0 - 110 126340008 LCS Dup Parameter PrepSet LCS LCSD Known Limits% LCS% LCSD% Units RPD Limit Mercury, Total (low level) 1119325 27.0 27.4 25.0 76.0 - 115 108 110 ng/L 1.47 50.0 MSD MSD WSD WSD UNK Known Limits MS% MSD% Units RPD Limits 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 Blank						ICL						
Columbia	<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File			
Reading Known Units Recover% Limits% File	Mercury, Total (low level)		50.0	50.0	ng/L	100	90.0 - 110		126340007			
Mercury, Total (low level) 27.2 25.0 ng/L 109 90.0 - 110 126340008 LCS Dup LCS Dup Parameter PrepSet LCS LCSD Known Limits% LCS% LCSD% Units RPD Limit LCS% LCSD% LCSD% Units RPD Limit LCS% LCSD% LCSD% Units RPD Limit LCS% LCSD% Units RPD Limit Units LCS% LCSD% Units RPD Limit Units LCS% Units RPD Limit Units					ICV							
Parameter	<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File			
Parameter PrepSet LCS LCSD Known Limits% LCS% LCSD% Units RPD Limits Mercury, Total (low level) 1119325 27.0 27.4 25.0 76.0 - 115 108 110 ng/L 1.47 50.0 MSD MSD Parameter Sample MS MSD UNK Known Limits MS% MSD% Units RPD Limits 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 Blank EPA 6 Blank File 2,4 Dichlorophenoxyacetic acid 1119425 ND 0.159 0.500 ug/L 126347776 1263477776	Mercury, Total (low level)		27.2	25.0	ng/L	109	90.0 - 110		126340008			
Mercury, Total (low level) 1119325 27.0 27.4 25.0 76.0 - 115 108 110 ng/L 1.47 50.0 MSD Parameter Sample MS MSD UNK Known Limits MS% MSD% Units RPD Limit 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 6 Blank Parameter 2,4 Dichlorophenoxyacetic acid 1119425 ND 0.159 0.500 ug/L 126347776					LC	S Dup						
MSD Parameter Sample MS MSD UNK Known Limits MS% MSD% Units RPD Limit Limits Limits Limits MS% MSD% Units RPD Limit Limits Li	Parameter	PrepSet	LCS	LCSD		Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Parameter Sample MS MSD UNK Known Limits MS% MSD% Units RPD Limits 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 Blank EPA 6 Blank PrepSet Reading MDL MQL Units File 2,4 Dichlorophenoxyacetic acid 1119425 ND 0.159 0.500 ug/L 126347776	Mercury, Total (low level)	1119325	27.0	27.4		25.0	76.0 - 115	108	110	ng/L	1.47	50.0
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 EPA 6 Blank Parameter PrepSet Reading MDL MQL Units File 2,4 Dichlorophenoxyacetic acid 1119425 ND 0.159 0.500 ug/L 126347776					ı	MSD						
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 6 Blank Parameter PrepSet Reading MDL MQL Units File 2,4 Dichlorophenoxyacetic acid 1119425 ND 0.159 0.500 ug/L 126347776	Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
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 Blank Parameter 2,4 Dichlorophenoxyacetic acid 1119425 ND 0.159 0.500 ug/L 126347776		•										18.0
Blank Parameter PrepSet Reading MDL MQL Units File 2,4 Dichlorophenoxyacetic acid 1119425 ND 0.159 0.500 ug/L 126347776	•	2297194	27.1	27.7	1.42	26.6	63.0 - 111	96.5	98.8		2.31	18.0
Blank Parameter PrepSet Reading MDL MQL Units File 2,4 Dichlorophenoxyacetic acid 1119425 ND 0.159 0.500 ug/L 126347776	Analytical Set	1119920										EPA 615
2,4 Dichlorophenoxyacetic acid 1119425 ND 0.159 0.500 ug/L 126347776	, mary acar sec				Е	Blank						
2,4 Dichlorophenoxyacetic acid 1119425 ND 0.159 0.500 ug/L 126347776	Parameter	PrenSet	Reading	MDI.					File			
· · · · · ·		•										
2,4,3-1F (SHVEX) 1113423 NJ U.0053 U.30U 112/L 12034//0	2,4,5-TP (Silvex)	1119425	ND	0.0893	0.300	ug/L			126347776			

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QUALITY CONTROL



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DHL1-C

DHL Analytical John Dupont 2300 Double Creek Dr Round Rock, TX 78664

				C	CV						
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	5 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
				Surr	ogate						
Parameter	Sample	Туре	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: abs(r1-r2) / mean(r1,r2) * 100%

Recover% is Recovery Percent: result / known * 100%

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); 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.)

TNI

Email: Kilgore.ProjectManagement@spllabs.com

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CHAIN-OF-CUSTODY RECORD

1102832 CoC Print Group 001 of 001

DHL Analytical, Inc.

2300 Double Creek Drive Round Rock, TX 78664

TEL: (512) 388-8222 Work Order: 2405086

FAX:

Subcontractor:

AquaTech (Austin Office) 3512 Montopolis Drive Austin, Texas 78744

(512) 301-9559 TEL:

FAX:

Acct #:

09-May-24

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2 3

_								Requested Tests
	Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Hg-LoLevel	Herb_W	
_	>					E245.7	E615	
224798	Influent Grab 1	Aqueous	01B	05/07/24 12:00 PM	500GHCL	1		
1 99	Effluent Grab 1	Aqueous	02B	05/07/24 11:59 PM	500GHCL	1		
1. 4	17 Influent Comp	Aqueous	05H	05/08/24 12:00 PM	500AMGU		2	
¥ 04	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 5/9/24 1700 40924 Novio Relinquished by:

Received by:

Date/Time

51912n 409

5

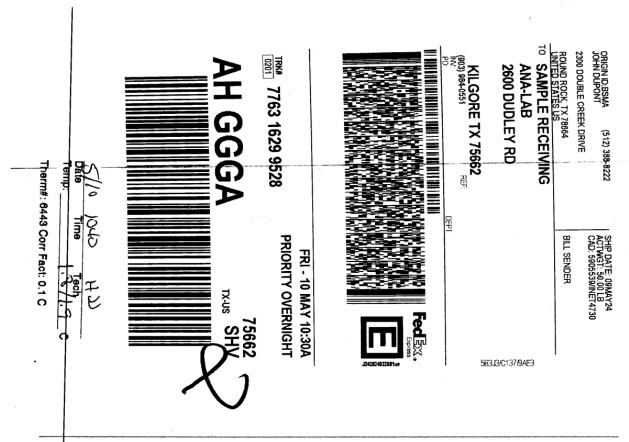
6

1102832 CoC Print Group 001 of 001

SEL List for E615

Rpt	Т	Analyte	Synonym	MDL	PQL
✓	Α	2,4-D		0.01	0.3
~	Α	2,4,5-TP (Silvex)		0.01	0.3

5



After printing this label:

- Use the 'Print' button on this page to print your label to your laser or inkjet printer.
 Fold the printed page along the horizontal line.
 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.FedEx will not

ose of this system considered agreement to the service conditions in the current redex, service Guide, available on fedex.com.redex 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 ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

	endiz		ecklist: Reportable Data					
		y Name: SPL Kilgore	LRC Date: 05/28/2024					
Proj	ect Na	me: 2405086	Laboratory Job (Project) Number:	1102832				
Revi	iewer	Name: Bill Peery (WJP)	PrepSet: 1119325 QCgroup: 11194	81				
#	A	Description		Yes	No	NA	NR	ER#
R01	OI	Chain-of-Custody (C-O-C)						
		Did samples meet the laboratory's standard conditions of sample acceptability					X	1
		Were all departures from standard conditions described in the exception repo	rt?	X				
R02	OI	Sample and Quality Control (QC) Identification						
		Are all field sample ID numbers cross referenced to the laboratory ID number	rs?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data	1?	X				
R03	OI	Test Reports						
		Were all samples prepared and analyzed within holding times?		X				
		Other than those results < MQL, were all other raw values bracketed by calib	ration 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	0	Surrogate Recovery Data						
		Were surrogates added prior to extraction?				X		
		Were surrogate percent recoveries in all samples within the laboratory QC lin	nits?			X		
R05	OI	Test Reports/Summary Forms for Blank Samples						
		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 pr	reparation and, if applicable, cleanup	X				
R06	OI	procedures? Laboratory Control Samples (LCS)		- 11				
100		Were all chemicals of concern included in the LCS?				X		
		Was each LCS taken though the entire analytical procedure, including prep a	nd cleanup steps?	_		X		
		Were LCSs analyzed at the required frequency?	na cicanap steps.	+		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						
		calculate the SQLs?		X				
		Was the LCS duplicate relative percent difference within QC limits?		X				
R07		Matrix Spike (MS) and Matrix Spike Duplicate (MSD) data						
		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	Analytical Duplicate Data						
		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	Method Quantitation Limits (MQLs)						
		Are the MQLs for each method analyte included in the laboratory data packa		X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibrat	tion standard?	X				
		Are unadjusted MQLs included in the laboratory data package?		X				
R10	OI	Other Problems/Anomalies						
		Are all known problems/anomalies/special condition noted in this LRC and E	ER?	X				
		Were all necessary corrective actions preformed for the reported data?		X				
		Was applicable and available technology used to lower the SQL and minimiz	te the matrix interference effects on the sample	X				
		results?						

4 5

6

8

Are all standards used in the analyses NIST-traceable or obtained from other apropriate sources? X S13 IO Compound/Analyte Identification Procedures Are the procedures for compound/analyte identification documented? X S14 OI Demonstration of Analyst Compentency (DOC) Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC Section 4? Is documentation of the analyst's competency up-to-date and on file? X IS documentation of the analyst's competency up-to-date and on file?	App	Appendix A: Laboratory Review Checklist: Reportable Data										
Reviewer Name Bill Perry (WIP)	Lab	orator										
Initial Calibration (ICAL) Were response factors and/or relative response factors for each analyte within QC limits? X	Proj	ect Na	ame: 2405086	Laboratory Job (Project) Number:	102832							
Initial Calibration (ICAL) Were response factors and or relative response factors for each analyte within QC limits? X	Rev	iewer	Name: Bill Peery (WJP)	PrepSet: 1119325 QCgroup: 111948	31							
Were percent ISDs or correlation coefficient criteria met? Were percent ISDs or correlation coefficient criteria met? Were all points generated between the fowest and highest standard used for all analyse? Were all points generated between the fowest and highest standard used for all analyse? X	#	A	Description		Yes	No	NA	NR	ER#			
Were percent RSD or correlation coefficient eriteria net? Was the number of standards recommended in the method used for all analytes? X	S01	OI	Initial Calibration (ICAL)									
Ware the number of standards recommended in the method used for all analytes? Were all points generated between the lowest and highest standard used to calculate the curve? Are ICAI, data available for all instruments used? Are ICAI, data available for all instruments used? Has the initial calibration curve been verified using an appropriate second source standard? X Initial and Condinuing Calibration Verification (ICCV and CCV) and Cordinuing Calibration Was the CCV analyzed at the method-required frequency? Were percent differences for each analyte within the method-required QC limits? Was the Aboulte value of the analyte concentration in the inorganic CCB « MQL? Was the aboulte value of the analyte concentration in the inorganic CCB « MQL? Was the appropriate compound for the method used for tuning? Were in abundance data within the method-required QC limits? Were in abundance data within the method-required QC limits? Y Were in abundance data within the method-required QC limits? Y Were in abundance data within the method-required QC limits? Y Were is area counts and retention times within the method-required QC limits? Y Were the raw data (for example, chromatoganus, spectral data) reviewed by an analys? X Were data associated with manual integrations flagged on the raw data? Y Were data associated with manual integrations flagged on the raw data? Y Were the raw data (for example, chromatoganus, spectral data) reviewed by an analys? X Were data associated with manual integrations flagged on the raw data (for exceeding the part of			Were response factors and/or relative response factors for each analyte withi	n QC limits?	X							
Were all points generated between the lowest and highest standard used to calculate the curve?			Were percent RSDs or correlation coefficient criteria met?		X							
Are ICAL data available for all instruments used? Has the initial calibration curve been verified using an appropriate second source standard? X			Was the number of standards recommended in the method used for all analyst	tes?	X							
Has the imital calibration curve been verified using an appropriate second source standard? A				alculate the curve?	X							
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Is the MDL either adjusted or suppported by the analysis of detectability check samples? S11 OI Proficiency Test Reports Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies? X S12 OI Standards Documentation Are all standards used in the analyses NIST-traceable or obtained from other apropriate sources? X S13 IO Compound/Analyte Identification Procedures Are the procedures for compound/analyte identification documented? X S14 OI Demonstration of Analyst Compentency (DOC) Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC Section 4? Is documentation of the analyst's competency up-to-date and on file? X S15 OI Verification/Validation Documentation Methods (NELAC Chapter 5 or ISO/IEC Section 5) Are all the methods used to generate the data documented, verified and validated, where applicable? X S16 OI Laboratory Standard Operating Procedures (SOPs)	DIV.		, ,		X	ī						
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S12 OI Standards Documentation Are all standards used in the analyses NIST-traceable or obtained from other apropriate sources? X S13 IO Compound/Analyte Identification Procedures Are the procedures for compound/analyte identification documented? X S14 OI Demonstration of Analyst Compentency (DOC) Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC Section 4? Is documentation of the analyst's competency up-to-date and on file? X S15 OI Verification/Validation Documentation Methods (NELAC Chapter 5 or ISO/IEC Section 5) Are all the methods used to generate the data documented, verified and validated, where applicable? X S16 OI Laboratory Standard Operating Procedures (SOPs)	[]			ests or evaluation studies?								
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S13 IO Compound/Analyte Identification Procedures Are the procedures for compound/analyte identification documented? X S14 OI Demonstration of Analyst Compentency (DOC) Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC Section 4? Is documentation of the analyst's competency up-to-date and on file? X S15 OI Verification/Validation Documentation Methods (NELAC Chapter 5 or ISO/IEC Section 5) Are all the methods used to generate the data documented, verified and validated, where applicable? X S16 OI Laboratory Standard Operating Procedures (SOPs)	S12	OI	Standards Documentation									
Are the procedures for compound/analyte identification documented? X Demonstration of Analyst Compentency (DOC) Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC Section 4? Is documentation of the analyst's competency up-to-date and on file? X Verification/Validation Documentation Methods (NELAC Chapter 5 or ISO/IEC Section 5) Are all the methods used to generate the data documented, verified and validated, where applicable? X S16 OI Laboratory Standard Operating Procedures (SOPs)			Are all standards used in the analyses NIST-traceable or obtained from other	apropriate sources?	X							
OI Demonstration of Analyst Compentency (DOC) Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC Section 4? Is documentation of the analyst's competency up-to-date and on file? X S15 OI Verification/Validation Documentation Methods (NELAC Chapter 5 or ISO/IEC Section 5) Are all the methods used to generate the data documented, verified and validated, where applicable? X S16 OI Laboratory Standard Operating Procedures (SOPs)	S13	IO	Compound/Analyte Identification Procedures									
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Is documentation of the analyst's competency up-to-date and on file? X S15 OI Verification/Validation Documentation Methods (NELAC Chapter 5 or ISO/IEC Section 5) Are all the methods used to generate the data documented, verified and validated, where applicable? X S16 OI Laboratory Standard Operating Procedures (SOPs)	S14	OI										
S15 OI Verification/Validation Documentation Methods (NELAC Chapter 5 or ISO/IEC Section 5) Are all the methods used to generate the data documented, verified and validated, where applicable? X S16 OI Laboratory Standard Operating Procedures (SOPs)	1		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC Section	on 4?	X							
Are all the methods used to generate the data documented, verified and validated, where applicable? X S16 OI Laboratory Standard Operating Procedures (SOPs)			Is documentation of the analyst's competency up-to-date and on file?		X							
S16 OI Laboratory Standard Operating Procedures (SOPs)	S15	OI										
	1		Are all the methods used to generate the data documented, verified and valid	ated, where applicable?	X							
Are laboratory SOPs current and on file for each method performed?	S16	OI	Laboratory Standard Operating Procedures (SOPs)									
			Are laboratory SOPs current and on file for each method performed?		X							

- 1. 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
- 2. O = organic analyses; I = ionorganic analyses (and general chemistry, when applicable);
- 3. N/A = Not applicable;
- 4. NR = Not reviewed
- $5. \ \ ER\# = Exception \ Report \ identification \ number \ (an \ Exception \ Report \ should \ be \ completed \ for \ an \ item \ if \ "NR" \ or \ "No" \ is \ checked).$

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2

Apı	pendi	A: Laboratory Review Ch	necklist: Reportable Data					
Lab	orator	y Name: SPL Kilgore	LRC Date: 05/28/2024					
Proj	ect Na	me: 2405086	Laboratory Job (Project) Number: 110)2832				
Rev	iewer	Name: Bill Peery (WJP)	PrepSet: 1119425 QCgroup: 1119920					
#	A	Description		Yes	No	NA	NR	ER#
R01	OI	Chain-of-Custody (C-O-C)						
		Did samples meet the laboratory's standard conditions of sample acceptabilit	y upon receipt?				X	1
		Were all departures from standard conditions described in the exception repo	ort?	X				
R02	OI	Sample and Quality Control (QC) Identification						
		Are all field sample ID numbers cross referenced to the laboratory ID number	ers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data	a?	X				
R03	OI	Test Reports						
		Were all samples prepared and analyzed within holding times?		X				
		Other than those results < MQL, were all other raw values bracketed by calib	oration 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?		1		X		
		If required for the project, tentatively identified compounds reported?				X		
R04	0	Surrogate Recovery Data						
		Were surrogates added prior to extraction?		X				
		Were surrogate percent recoveries in all samples within the laboratory QC lin	mits?	X				
R05	OI	Test Reports/Summary Forms for Blank Samples						
		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 pr	reparation and, if applicable, cleanup	X				
R06	OI	procedures? Laboratory Control Samples (LCS)		A				
		Were all chemicals of concern included in the LCS?				X		
		Was each LCS taken though the entire analytical procedure, including prep a	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						
		calculate the SQLs?		X				
		Was the LCS duplicate relative percent difference within QC limits?			X			2
R07		Matrix Spike (MS) and Matrix Spike Duplicate (MSD) data						
		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	Analytical Duplicate Data						
		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	Method Quantitation Limits (MQLs)						
		Are the MQLs for each method analyte included in the laboratory data packa	ige?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibra	tion standard?	X				
		Are unadjusted MQLs included in the laboratory data package?		X				
R10	OI	Other Problems/Anomalies						
		Are all known problems/anomalies/special condition noted in this LRC and l	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	ze the matrix interference effects on the sample	v				
		results?		X				

App	Appendix A: Laboratory Review Checklist: Reportable Data										
Lab	orator										
Proj	ect Na	ame: 2405086	Laboratory Job (Project) Number: 11	02832							
Rev	iewer	Name: Bill Peery (WJP)	PrepSet: 1119425 QCgroup: 1119920	1							
#	A	Description		Yes	No	NA	NR	ER#			
S01	OI	Initial Calibration (ICAL)									
		Were response factors and/or relative response factors for each analyte withi	n QC limits?	X							
		Were percent RSDs or correlation coefficient criteria met?		X							
		Was the number of standards recommended in the method used for all analyst	tes?	X							
		Were all points generated between the lowest and highest standard used to ca	alculate the curve?	X							
		Are ICAL data available for all instruments used?		X							
		Has the initial calibration curve been verified using an appropriate second so	X								
S02	OI	Initial and Continuing Calibration Verification (ICCV and CCV) and Contin									
		Was the CCV analyzed at the method-required frequency?		X							
		Were percent differences for each analyte within the method-required QC lir	mits?		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	0	Mass Spectral Tuning									
		Was the appropriate compound for the method used for tuning?				X					
		Were ion abundance data within the method-required QC limits?				X					
S04	0	Internal Standards (IS)									
		Were IS area counts and retention times within the method-required QC limit				X					
S05	OI	Raw Data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/	<u> </u>								
		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	0	Dual Column Confirmation									
		Did dual column confirmation results meet the method-required QC?		X							
S07	0	Tentatively Identified Compounds (TICs)									
		If TICs were requested, were the mass spectra and TIC data subject to appropriate the mass spectra and the mass spe	priate checks?			X					
S08	I	Interference Check Sample (ICS) Results									
		Were precent recoveries within method QC limits?				X					
S09	I	Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions									
		Were percent differences, recoveries, and the linearity within the QC limits s	specified in the method?			X					
S10	OI	Method Detection Limit (MDL) Studies									
		Was a MDL study performed for each reported analyte?		X							
		Is the MDL either adjusted or suppported by the analysis of detectability che	ck samples?	X				\neg			
S11	OI	Proficiency Test Reports									
		Was the laboratory's performance acceptable on the applicable proficiency to	ests or evaluation studies?	v							
710	OT	Charles Demonstration		X							
S12	OI	Standards Documentation		V							
012	100	Are all standards used in the analyses NIST-traceable or obtained from other	apropriate sources?	X							
S13	IO	Compound/Analyte Identification Procedures		V							
01.4	07	Are the procedures for compound/analyte identification documented?		X							
S14	OI	Demonstration of Analyst Compentency (DOC) Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC Section	nn 49	v							
		*	д +:	X			\square				
015	OT	Is documentation of the analyst's competency up-to-date and on file?	/IEC Section 5	X							
S15	OI	Verification/Validation Documentation Methods (NELAC Chapter 5 or ISO		V							
016	OT	Are all the methods used to generate the data documented, verified and valid	ateu, where applicable?	X							
S16	OI	Laboratory Standard Operating Procedures (SOPs)		v							
		Are laboratory SOPs current and on file for each method performed?		X							

- 1. 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
- 2. O = organic analyses; I = ionorganic analyses (and general chemistry, when applicable);
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Appendix	Appendix A: (cont'd): Laboratory Review Checklist: Exception Reports											
Laboratory	Name: SPL Kilgore	LRC Date: 05/28/2024										
Project Na	me: 2405086	Laboratory Job (Project) Number: 1102832										
Reviewer	Name: Bill Peery (WJP)	PrepSet: 1119325 QCgroup: 1119481										
ER#	Description											
1	Bottles were reviewed at login. Please see the chain of custody	y 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)

Appendi	x A: (cont'd): Laboratory Review Checklist: Exception Rep	orts
Laboratory	Name: SPL Kilgore	LRC Date: 05/28/2024
Project Na	me: 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 custod	ly record for sample receipt details.
2	The following LCSD constituents have RPDs outside of labor	ratory QC limits: 2,4 Dichlorophenoxyacetic acid
3	The following CCV constituents have recoveries outside of lal	boratory 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

	Total Effluent	TwoHR_P															EFFLUENT										Efflu	uent
	Creek Flow	eak Flow	Annual		На				TSS NH3				13				ood		Tota	al Phospho	rus		Nitrate	Vitrogen		Eco	oli	
Date	MGD	GPM	Average	DO mg/l	S. U.	Cl mg/l	Dechlor	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/100mi	< 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	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	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	><



√T:	CORR WWTP West P	lant				SUBMISSIO	N DATE:	4-29	-27	PG	_OF_		
RESS:	1114 East Austin Ave					LOCATION I	NAME:	West Pl					
	Round Rock	STATE:	TX	ZIP:	78664	COLLECTOR	NAME:	-00	awil	Ben	net		
NE:	(512) 534-8916		FAX:			Phone Num	ber:						
\ REPORTED	то:					MATRIX:	Non-pot	able Wat	er				
CORRESL	FIELD SAMPLE ID/	SAMPLE	COLLE	CTION	CONTAINER	Number	PRESERV	/ATION: ³	REQU	JESTED	ANALY	SES:4	
LAB ID	SAMPLE LOCATION	TYPE1	DATE	TIME	TYPE ²	of bottles	ICE	None	cBOD	TSS	NH ₃	TP	TDS
1-09142	West Plant Outfall 001	CG	4-25-24	11:5500	PG	1	Х		х	Х			
V	West Plant Outfall 001	(c) G	1:2521	11:54pm	PG	1	х				х	Х	
-09143	West Plant Influent 001	TG G	4.24-21	111.55pm	PG	1	х		х	х			
V	West Plant Influent 001	CG	7-25-24	11:55	RG	1	х				X	X	
	out by City of Round Rock Em												
	Time of Analysis	Analyst	Blenk	(G	Precision	Qualifiers				Result in 1	mg/L	Reviewer	/Date
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UISHED BY Bigna	ture)	Date/Time	1018	RECEIVED BY: (Signal	ire)	1	-			/ "	THE RESERVE OF THE PERSON NAMED IN		
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:SS:	1114 East Austin Ave					LOCATION		West Pl		_			
	Round Rock	STATE:	TX	ZIP:	78664	COLLECTOR		1000		ciali oo.			
	(512) 534-8916		FAX:		7,0007	Phone Num		مالاتا	7,				
REPORTED			-			MATRIX:	Non-pot	able Wate	er				
								3					
PRRESL	FIELD SAMPLE ID/	SAMPLE	COLL	ECTION	CONTAINER	Number	PRESERV	ATION:	REQ	UESTEC	ANAL'	/SES:	
AB ID	SAMPLE LOCATION	TYPE ¹	DATE	TIME	TYPE ²	of bottles	ICE	None	cBOD	TSS	NH ₃	TP	TDS
09131	West Plant Outfall 001	₿ G	4-24-24	0 1 23:59	Æ G	1	Х	,	Х	Х			
V	West Plant Outfall 001	6 6		6123:57	₽ G	1	Х				Х	Х	
09132	West Plant Influent 001	bG	42424	0/23:59	Ø G	1	х		х	Х			
	West Plant Influent 001	(D) G	4.24.20	0/23:00	€ G	1	х				X	Х	
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	rab. 2: P=polyethylene or PTF nn. 4: Indicate request for tes				ing "X"		LABO	RATORY	USE ON	NLY:			
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:SS:	1114 East Austin Ave					LOCATION	NAME:	West Pl		fall 001			
	Round Rock	STATE:	TX	ZIP:	78664	COLLECTOR	NAME:	100	て、				
: :	(512) 534-8916		FAX:			Phone Num	ber:						
REPORTED	то:					MATRIX:	Non-pota	able Wat	er				
							Lancara	14=10113	250	100750		ere 4	
RRESL	FIELD SAMPLE ID/	SAMPLE		ECTION	CONTAINER	Number	PRESERV			JESTED		SES:	
AB ID	SAMPLE LOCATION	TYPE1	DATE	TIME	TYPE ²	of bottles	ICE	None	cBOD	TSS	NH ₃	TP	TDS
09131	West Plant Outfall 001	₿ G	4-24-24	0 1 23:59	Æ G	1	X		Х	Х			
V	West Plant Outfall 001	6 G	4.24.24		₽ G	1	х				Х	Х	
09132	West Plant Influent 001	bG	42424	0/23:59	Ø G	1	Х		Х	х			
	West Plant Influent 001	O G	4.24.20	0/23:00	© G	1	Х				Х	Х	
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	Round Rock	STATE:	TX	ZIP:	78664	COLLECTOR		Low	JU.				
::	(512) 534-8916		_FAX:			Phone Num							
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RRESL	FIELD SAMPLE ID/	SAMPLE	COLLE	ECTION	CONTAINER	Number	PRESERV	ATION:3	REQ	UESTED	ANALY	/SES: ⁴	
AB ID	SAMPLE LOCATION	TYPE1	DATE	TIME	TYPE ²	of bottles	ICE	None	cBOD	TSS	NH ₃	TP	TDS
09116	West Plant Outfall 001	C G	4-22-24	0/23:57	₽ G	1	Х		Х	Х			
V	West Plant Outfall 001	C G	4-12-24		∕P G	1	Х				х	Х	
79117	West Plant Influent 001	CG	4.22.24	0/27:57	₿ G	1	X		х	Х			
1	West Plant Influent 001	CG	4.12.24	ola3:IT	& G	1	х				Х	Х	
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SHED BY: (Signa	ture) C	Pate/Time	F	RECEIVED 8Y: (Signatu	ire)	Delivery:	Hand Deli	vered 🗆 (Courier	□ Shipp	oed		



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JJ.	Round Rock	STATE:	TX	ZIP:	78664	COLLECTOR				1011 002			
	(512) 534-8916		FAX:		70004	Phone Num		CVI	~ ()·				
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RRESL	FIELD SAMPLE ID/	SAMPLE	COLL	ECTION	CONTAINER	Number	PRESERV	ATION:3	REQ	JESTED	ANALY	'SES:4	
AB ID	SAMPLE LOCATION	TYPE	DATE	TIME	TYPE ²	of bottles	ICE	None	cBOD	TSS	NH ₃	TP	TDS
79106	West Plant Outfall 001	(G) G	4-17-24	012357	E G	1	Х		Х	х			
2	West Plant Outfall 001	⊕ G	1	0/23:59	₽G	1	Х				х	Х	
19107	West Plant Influent 001	e) G	4-17-24	0/23:59	₽ G	1	X		х	х			
V	West Plant Influent 001	© G	4-17-24	0/23:0	BG	1	Х				Х	Х	
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CORRESL	FIELD SAMPLE ID/	SAMPLE	COLLI	ECTION	CONTAINER	Number	PRESERV	ATION:3	REQI	JESTED	ANALY	/SES:4	
LAB ID	SAMPLE LOCATION	TYPE1	DATE	TIME	TYPE ²	of bottles	ICE	None	cBOD	TSS	NH ₃	TP	TDS
-09091	West Plant Outfall 001	10 G	4-15-24	0 /23:59	6 G	1	Х		X	Х			
	West Plant Outfall 001	ØG	4-15-24	0/23:59	₽ G	1	Х				X	Х	
-09092	West Plant influent 001	Ø G	4-13-24	0/23:59	₽ G	1	х		X	х	,		
V	West Plant Influent 001	THE RESERVE THE PERSON NAMED IN		0 12359	(P) G	1	X				Х	X	
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	/Time of Analysis	Analyst	Slank	((3	Precision	Quelifiers				tesult in a	mg/E	Reviewer	/Date
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	nn. 4: Indicate request for tes				7	D		RATORY	OSE ON	ILY:			
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:SS:	1114 East Austin Ave						LOCATION I	NAME:	West Pl	ant Out	fall 001			
	Round Rock	STATE:	TX	ZIP:	78	564	COLLECTOR	NAME:	lox	~U.				
77 	(512) 534-8916		FAX:				Phone Num	ber:						
REPORTED	то:						MATRIX:	Non-pot	able Wat	er				
RRESL	FIELD SAMPLE ID/	SAMPLE	COLL	ECTION	CONT	AINER	Number	PRESERV	/ATION: ³	REQ	UESTED	ANALY	'SES:4	
AB ID	SAMPLE LOCATION	TYPE	DATE	TIME	TY	PE ²	of bottles	ICE	None	cBOD	TSS	NH ₃	TP	TDS
09080	West Plant Outfall 001	C G	4-10-24	0 123'59	Р	G	1	Х		х	Х			
1	West Plant Outfall 001		4.10.24	0 123:58	Р	G	1	Х				X	Х	
18090	West Plant Influent 001	CG	4.10.24	6/2375	Р	G	1	X		х	Х			
V	West Plant Influent 001			0123:55	Р	G	1	Х				Х	Х	
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	rab. 2: P=polyethylene or PTF nn. 4: Indicate request for test				ing "X"			LABO	PRATORY	USE ON	NLY:			
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ISS:	1114 East Austin Ave					LOCATION I	NAME:	West Pl		fall 00:	1		
	Round Rock	STATE:	TX	ZIP:	78664	COLLECTOR	NAME:	15	nv.				
::	(512) 534-8916		FAX:			Phone Num	ber:						
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RRESL	FIELD SAMPLE ID/	SAMPLE	COL	LECTION	CONTAINER	Number	PRESERV	ATION:3	REO	UESTED	ANAL	SES:4	
AB ID	SAMPLE LOCATION	TYPE1	DATE	TIME	TYPE ²	of bottles	ICE	None	cBOD	TSS	NH ₃	TP	TDS
09063	West Plant Outfall 001	O G	4.8.24	0/23:39	ØG	1	Х		Х	Х			
V	West Plant Outfall 001	ବ୍ର	4.8.24	0123:59	₿ G	1	х				Х	X	
.09064	milden oo1	OG	4.8.24	012339	⊕ G	1	х		х	Х			
V	West Plant Influent 001	© G	4-8-24	0/23:5	6 G	1	X				Х	Х	
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IESS:	1114 East Austin Ave					LOCATION I	NAME:	West Pl	ant Out	fall 001	L		
	Round Rock	STATE:	TX	ZIP:	78664	COLLECTOR	NAME:	10	mil	1.			
IE:	(512) 534-8916		FAX:	_		Phone Num	ber:					~	
REPORTED	TO:					MATRIX:	Non-pota	ble Wat	er				
ORRESL	FIELD SAMPLE ID/	SAMPLE	COLL	ECTION	CONTAINER	Number	PRESERV	'ATION: ³	REQU	JESTED	ANAL	/SES: ⁴	
LAB ID	SAMPLE LOCATION	TYPE1	DATE	TIME	TYPE ²	of bottles	ICE	None	cBOD	TSS	NH ₃	TP	TDS
-09053	West Plant Outfall 001	6 G	4.3.24	0/23:57	AD G	1	Х		X	Х			
	West Plant Outfall 001	© G	4.3.24	012359	₿ G	1	Х				X	Х	
-09054	West Plant Influent 001		4.3.24	0123:59	Ø G	1	Х		х	х			
V	West Plant Influent 001	© G	4.3.24	0123:5	₽ G	1	х				Х	х	
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Oute	Time of Analysis	Mineral	Blank	U.S	Precision	qualifiers			,	Result in a	ng/L	Reviewer	/ Date
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1	- 4	424/	9:52 095	Heleen		C ustody Sea							
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July 31, 2024

Ryan Bornn CITY OF ROUND ROCK 3400 Sunrise Rd. ROUND ROCK, Texas 78665

TEL: (512) 218-5561

FAX: Order No.: 2407240

RE: West Plant Outfall

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,

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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Miscellaneous Documents	3
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WorkOrderSampleSummary 2407240	6
Analytical Report 2407240	7
AnalyticalQCSummaryReport 2407240	8



2300 Double Creek Dr. Round Rock, TX 78664 Phone 512.388.8222

CHAIN-OF-CUSTODY

Web: www.dhlanalytical.com Email: login@dhlanalytical.com

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										D	ŲΕ	DAT	E			***************************************	_ 🗆								***********							

Sample Receipt Checklist Client Name: CITY OF ROUND ROCK Date Received: 7/24/2024 Work Order Number: 2407240 Received by: KAO Checklist completed by: 7/24/2024 Reviewed by: 7/24/2024 Signature Date 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 🗌 Yes 🗌 No 🗌 Water - VOA vials have zero headspace? No VOA vials submitted NA 🗌 Water - pH<2 acceptable upon receipt? Yes No 🗌 NA 🗸 LOT# Adjusted? Checked by Water - ph>9 (S) or ph>10 (CN) acceptable upon receipt? No 🗌 Yes NA 🗹 LOT# Adjusted? Checked by Container/Temp Blank temperature in compliance? Yes 🗸 No 🗌 Cooler# 1 Temp °C 0.8 Seal Intact 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 CASE NARRATIVE

Date: 31-Jul-24

Lab Order: 2407240

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.

Date: 31-Jul-24

CLIENT: CITY OF ROUND ROCK

Project: West Plant Outfall

Lab Order: 2407240 **Work Order Sample Summary**

Tag Number Lab Smp ID Client Sample ID **Date Collected Date Recved** 07/23/24 11:59 PM

2407240-01 West Plant Outfall

07/24/2024

CLIENT: CITY OF ROUND ROCK Client Sample ID: West Plant Outfall

Project: West Plant Outfall Lab ID: 2407240-01

Project No: Collection Date: 07/23/24 11:59 PM

Lab Order: 2407240 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		E30	0				Analyst: KES
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
ALKALINITY		M2320) B				Analyst: KES
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
TOTAL DISSOLVED SOLIDS		M254	0C				Analyst: KER
Total Dissolved Solids (Residue, Filterable)	625	10.0	10.0		mg/L	1	07/25/24 04:20 PM

Qualifiers:

* Value exceeds TCLP Maximum Concentration Level

DF Dilution Factor

J Analyte detected between MDL and RLND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

Date: 31-Jul-24

E TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

N Parameter not NELAP certified

Date: 31-Jul-24

CLIENT: CITY OF ROUND ROCK

Work Order: 2407240

ANALYTICAL QC SUMMARY REPORT

Project: West Plant Outfall RunID: IC2_240724D

Project:	West Plan	t Outfall					RunII);	IC2_24072	4D		
The QC data	a in batch 116389 ap	plies to the	following sar	mples: 240)7240-01A							
Sample ID:	MB-116389	Batch ID:	116389		TestNo:	E300			Units:	mg/L		
SampType:	MBLK	Run ID:	IC2_24072	24D	Analysis	s Date: 7/24/	2024 10:52	2:39 AM	Prep Date:	7/24/20)24	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	nit HighLimit %	6RPD R	PDLimit	Qua
Chloride			<0.300	1.00								
Nitrate-N			<0.100	0.500								
Sulfate			<1.00	3.00								
Sample ID:	LCS-116389	Batch ID:	116389		TestNo:	E300			Units:	mg/L		
SampType:	LCS	Run ID:	IC2_24072	24D	Analysis	s Date: 7/24/ 2	2024 11:10):39 AM	Prep Date:	7/24/20)24	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	nit HighLimit %	6RPD R	PDLimit	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:	LCSD-116389	Batch ID:	116389		TestNo:	E300			Units:	mg/L		
SampType:	LCSD	Run ID: IC2_240724D			Analysis Date: 7/24/2024 11:28:39 A			3:39 AM	M Prep Date: 7/24/2024			
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	nit HighLimit %	6RPD RI	PDLimit	Qua
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:	2407233-03EMS	Batch ID:	116389		TestNo:	E300			Units:	mg/L		
SampType:	MS	Run ID:	IC2_24072	24D	Analysis	s Date: 7/24/	2024 9:40:	40 PM	Prep Date:	7/24/20)24	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	nit HighLimit %	6RPD R	PDLimit	Qua
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:	2407233-03EMSD	Batch ID:	116389		TestNo:	E300	1		Units:	mg/L		
SampType:	MSD	Run ID:	IC2_24072	24D	Analysis	s Date: 7/24/ 2	2024 9:58:	40 PM	Prep Date:	7/24/20)24	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	nit HighLimit %	6RPD R	PDLimit	Qua
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
INILIALE-IN												

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

Page 1 of 4

S Spike Recovery outside control limits

N Parameter not NELAP certified

CLIENT: CITY OF ROUND ROCK

Work Order: 2407240

ANALYTICAL QC SUMMARY REPORT

Project: West Plant Outfall RunID: IC2_240724D

Sample ID: 2407240-01AMS	Batch ID:	116389		TestNo	: E30	0		Units:	mg/L
SampType: MS	Run ID:	IC2_2407	24D	Analys	is Date: 7/24	/2024 10:34	4:40 PM	Prep Date	7/24/2024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t 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	: E30	0		Units:	ma/L

Sample ID: 2407240-01AMSD	Batch ID	116389		TestNo): E30	0		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	LowLimi	t 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

 $J \quad \ \ Analyte \ detected \ between \ MDL \ and \ RL$

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

Page 2 of 4

S Spike Recovery outside control limits

RPD outside accepted control limits

N Parameter not NELAP certified

R

CLIENT: CITY OF ROUND ROCK

Work Order: 2407240

ANALYTICAL QC SUMMARY REPORT

Project: West Plant Outfall

RunID: TITRATOR_240729A

The QC data in batch 116448 ap	plies to the	following sam	ples: 2407	240-01A						
Sample ID: MB-116448	Batch ID:	116448		TestNo:	M23	320 B		Units:	mg/L	@ pH 4.49
SampType: MBLK	Run ID:	TITRATOR	_240729A	Analysis	s Date: 7/2 9	9/2024 10:10	:00 AM	Prep Date:	7/29/2	024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit %	6RPD R	PDLimit Qua
Alkalinity, Bicarbonate (As CaCO	3)	<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: LCS-116448	Sample ID: LCS-116448 Batch ID: 116448			TestNo:	M23	320 B		Units: mg/L @ pH 4.5		
SampType: LCS	Run ID:	TITRATOR	_240729A	Analysis	s Date: 7/2 9	9/2024 10:16	6:00 AM	Prep Date:	7/29/2	024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit %	6RPD R	PDLimit Qua
Alkalinity, Total (As CaCO3)		50.5	20.0	50.00	0	101	74	129		
Sample ID: LCSD-116448	Batch ID:	116448		TestNo:	M23	320 B		Units:	mg/L	@ pH 4.5
SampType: LCSD	Run ID:	TITRATOR	_240729A	Analysis	s Date: 7/2 9	9/2024 10:21	:00 AM	Prep Date:	7/29/2	024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit %	6RPD R	PDLimit Qua
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:	M23	320 B		Units:	mg/L	@ pH 4.52
SampType: DUP	Run ID:	TITRATOR	_240729A	Analysis	s Date: 7/2 9	9/2024 12:31	:00 PM	Prep Date: 7/29/2024		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit %	6RPD R	PDLimit Qua
Alkalinity, Bicarbonate (As CaCO	3)	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: 2407241-03B-DUP	Batch ID:	116448		TestNo:	M23	320 B		Units:	mg/L	@ pH 4.52
SampType: DUP	Run ID:	TITRATOR	_240729A	Analysis	s Date: 7/2 9	9/2024 12:59	:00 PM	Prep Date:	7/29/2	024
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit %	6RPD R	PDLimit Qua
Alkalinity, Bicarbonate (As CaCO	3)	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

Page 3 of 4

N Parameter not NELAP certified

ANALYTICAL QC SUMMARY REPORT

CLIENT: CITY OF ROUND ROCK

Work Order: 2407240

WC_240725A **RunID: Project:** West Plant Outfall

•										
The QC data in batch 116415 ap	oplies to the	following san	nples: 240	07240-01A						
Sample ID: MB-116415	Batch ID:	116415		TestNo:	M25	540C		Units:	mg/L	
SampType: MBLK	Run ID:	WC_24072	25A	Analysis	S Date: 7/25	5/2024 4:20:	00 PM	Prep Date:	7/25/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit %	6RPD RPDI	_imit Qual
Total Dissolved Solids (Residue,	, Filtera	<10.0	10.0							
Sample ID: LCS-116415	Batch ID:	116415		TestNo:	M2	540C		Units:	mg/L	
SampType: LCS	Run ID:	WC_24072	25A	Analysis	Date: 7/2	5/2024 4:20:	00 PM	Prep Date:	7/25/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit %	6RPD RPDI	_imit Qual
Total Dissolved Solids (Residue,	, Filtera	763	10.0	745.6	0	102	90	113		
Sample ID: 2407233-03E-DUP	Batch ID:	116415		TestNo:	M25	540C		Units:	mg/L	
SampType: DUP	Run ID:	WC_24072	25A	Analysis	Date: 7/2	5/2024 4:20:	00 PM	Prep Date:	7/25/2024	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit %	6RPD RPDI	_imit Qual
Total Dissolved Solids (Residue,	, Filtera	2960	50.0	0	3035				2.50	5

Qualifiers: В Analyte detected in the associated Method Blank

> J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

Page 4 of 4

R RPD outside accepted control limits

Spike Recovery outside control limits

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: Order No.: 2408318

RE: West Plant EFF TKN

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,

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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Analytical Report 2408318	. 7
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2300 Double Creek Dr. Round Rock, TX 78664 Phone 512.388.8222

CHAIN-OF-CUSTODY

PAGE _____ OF ____

Web: www.dhlanalytical.com Email: login@dhlanalytical.com

CLIENT: CORR ESL	-					DA	TE:		(Z-	21	1-6	24							_ ı	AB	OR/	\TO	RY	US	ΕO	NLY	7			
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PHONE:		EMAIL: r	bornn@r	windroc	Klexas																										
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Authorize 5% surcharge for TRRP report?		W=WATE	К	P=PAI	DIMENT		PRES	SER			_8		006				270	325.1	□ A□	TALS] Pb [
☐ Yes ☐ No		L=LIQUID S=SOIL		SL=SL					4	ED		8260]	OLD 1(1.	_	EST 8	70 🗆	MMON	S. ME			J HER	×-11[SREAS	ANIDI					
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r leid Sample I.D.	Lab #	Date	Time		Type	# of	HCL		H ₂ SO ₄	ICE S UNPRESERVED S		ВТЕХ □ МТВЕ □ [МЕТНОВ 8260]	ТРН 1005 □ ТРН 1006 □ НОLD 1006 □	GRO 8015 □ DRO 8015 □	VOC 82	SVOC8270 U SVOC625.1 U	PAH 82/0 ☐ HOLD PAH ☐ PEST 8270 ☐ 625.1 ☐ O-P PEST 8270 ☐	PCB 8082 ☐ 608.3 ☐ PCB 8270 ☐ 625.1 ☐	HERB 8321 ☐ T PHOS ☐ AMMONIA ☐	METALS 6020 □ 200.8 □ DISS. METALS □	RCRA 8 L TX11 L	ANIONS 300 9056	TCLP-SVOC □ VOC □ PEST □ HERB □	TCLP-METALS □ RCRA 8 □ TX-11 □ Pb □	RCI □ IGN □ DGAS □ OIL&GREASE □	TDS ☐ TSS ☐ % MOIST ☐ CYANIDE ☐	+			FIELD NOT	ES
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Sample Receipt Checklist

Client Name: CITY OF ROUND ROCK		Da	ite Received	8/27/2024	
Work Order Number: 2408318		Re	eceived by: I	KAO	
Checklist completed by: Signature		Re d Delivered	eviewed by:	SN Initials	8/27/2024 Date
Shipping container/cooler in good condition?	Yes	✓ No)	Not Present	
Custody seals intact on shipping container/coole	r? 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 r	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 sub	omitted 🗹 NA 🗌
Water - pH<2 acceptable upon receipt?	Yes	□ No	✓ NA	☐ LOT	# 13171
	Adju	sted?	S	Checked by	SM
Water - ph>9 (S) or ph>10 (CN) acceptable upon	receipt? Yes	□ No	□ NA	✓ LOT	#
	Adju	sted?		Checked by	
Container/Temp Blank temperature in compliance	e? Yes	✓ No			
Cooler # 1					
Temp °C 1.0					
Seal Intact NP					
Any No response must be detailed in the comme	nts section below.				
Client contacted:	Date contacted:		Person	contacted:	
Contacted by:	Regarding:				
Comments: The bottle was unpreserved up	oon receiving the sample fo	r testing.			

Corrective Action: We proceeded to acidify the sample with H2SO4 Lot#17171 in Login on 8/27/24.

CLIENT: CITY OF ROUND ROCK
Project: West Plant EFF TKN

Lab Order: 2408318

CASE NARRATIVE

Date: 03-Sep-24

The TKN analysis was sub-contracted to SPL.

CLIENT: CITY OF ROUND ROCK

Project: West Plant EFF TKN
Lab Order: 2408318

Work Order Sample Summary

Date: 03-Sep-24

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

CLIENT: CITY OF ROUND ROCK Client Sample ID: West Plant Effluent

Project: West Plant EFF TKN Lab ID: 2408318-01

Project No: Collection Date: 08/26/24 11:59 PM

Lab Order: 2408318 Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TKN-TOTAL KJELDAHL NITROGEN (K)		E351	.2				Analyst: SUB
Total Kieldahl Nitrogen	4.73	0.00712	0.0500		ma/L	1	09/03/24 07:13 AM

Qualifiers:

* Value exceeds TCLP Maximum Concentration Level

DF Dilution Factor

J Analyte detected between MDL and RLND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

Date: 03-Sep-24

E TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

N Parameter not NELAP certified



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09/03/2024 10:06

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DHL Analytical - SPL John Dupont 2300 Double Creek Dr Round Rock, TX 78664

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	_	1.4
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Email: Kilgore.ProjectManagement@spllabs.com



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LABORATORY DATA PACKAGE COVER PAGE



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 me 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

TNI

Central TX Region: 8101 Cameron Rd - Ste 305 Austin TX 78754

Report Page 2 of 15

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SAMPLE CROSS REFERENCE



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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

09/03/2024

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SAMPLE PREPARATION

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Default

Prep Set # 1135771 08/29/2024

Analytical Set # 1136222 EPA 351.2 2 09/03/2024

SampleSample IDBottle2329354WEST PLANT EFFLUENT02



Central TX Region: 8101 Cameron Rd - Ste 305 Austin TX 78754

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2.24.8.7



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HOLDING TIME COMPLIANCE

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AQUEOUS

<u>Name</u>	<u>Method</u>	Taken:	Received Analyzed	<u>Hold</u>	<u>Elapsed</u>
	2329354	8/26/24 11:59	08/28/2024		
TKN Block Digestion	EPA 351.2, Rev	v 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



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Project 1115983

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RESULTS

					Sample I	Results					
	2329354	WEST PLANT	EFFLUENT						Received:	08/28	/2024
N	Ion-Potable Water	r	Collected by: Cl			lytical - SPL ::59:00		PO:			
	EPA 351.2 2			Prepared:	1135771	08/29/2024	07:38:09	Analyzed 1136222	09/03/2024	07:13:00	AME
ELAC	Parameter Total Kjeldahl	Nitrogen		Results 4.73	Uni mg/			Flags	CAS 7727-37-9		Bottle 02
		J		S	ample Pre						
	2329354	WEST PLANT	EFFLUENT 08/26/2	2024					Received:	08/28	/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	TWV
	Level IV Data	Review		Completed							
I	EPA 351.2, Rev 2.	0		Prepared:	1135771	08/29/2024	07:38:09	Analyzed 1135771	08/29/2024	07:38:09	MEG
IELAC	TKN Block Di	gestion		20/20	ml						01



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Office: 903-984-0551 * Fax: 903-984-5914



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Project 1115983

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Qualifiers:

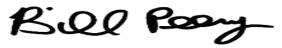
We report results on an As Received (or Wet) basis unless marked Dry Weight.

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



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The Science of Sure

RESULTS

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Project

1115983

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DHL1

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<u>CAS</u>	Param	eter		Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable	Water		Distillations								EP	A 351.2 2	
2329354	WEST I	PLANT EFFLUENT											
				Collection:	08/26/20	24	11:59:00	Client			Received:	08/28/2024	
Pro	epared:	1135771											
						Analyzed:		1136222	9/	3/24	07:13:00		
7727-37-9	Total 1	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

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TNI

Bill Peery, MS, VP Technical Services

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QC GROUPS 09/03/2024

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3



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	QCgroup	Analyzed	
TKDL	1,135,771	08/29/2024	
7051 Astoria2 Autoanalyzer		Astoria	200354
TKN	1,136,222	09/03/2024	



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QUALITY CONTROL



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Project 1115983

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Analytical Set	1136222									EPA	A 351.2 2
				В	lank						
<u>Parameter</u>	PrepSet	Reading	MDL	MQL	Units			File			
Total Kjeldahl Nitrogen	1135771	ND	0.00712	0.050	mg/L			126722462			
				(CCV						
<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File			
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			
				Duj	plicate						
<u>Parameter</u>	Sample		Result	Unknown	n		Unit		RPD		Limit%
Total Kjeldahl Nitrogen	2329539		0.509	0.500			mg/L		1.78		20.0
				1	ICV						
<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File			
Total Kjeldahl Nitrogen		4.83	5.00	mg/L	96.6	90.0 - 110		126722460			
				LC	S Dup						
Parameter	PrepSet	LCS	LCSD		Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Total Kjeldahl Nitrogen	1135771	5.37	5.01		5.00	90.0 - 110	107	100	mg/L	6.94	20.0
				Mat	. Spike						
Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File			
Total Kjeldahl Nitrogen	2329539	5.87	0.500	5.00	mg/L	107	80.0 - 120	126722467			

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

Recover% is Recovery Percent: result / known * 100%

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification

(same standard

used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); ICV - Initial Calibration Verification; LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.)

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1115983 CoC Print Group 001 of 001

DIII	A 1-	vtical.	T
1 11 11	Anar	vricai	inc

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

2300 Double Creek Drive Round Rock, TX 78664

TEL: (512) 388-8222 Work Order: 2408318

FAX:

2 3

5

9

Subcontractor:

SPL Laboratory Kilgore 2600 Dudley Rd Kilgore, TX 75662

TEL: (903) 984-0551

FAX: Acct #: 232935+

27-Aug-24

	V		-			Requested Tests
Sample ID	Matrix	DHL#	Date Collected	Bottle Type	TKN	
					E351.2	
West Plant Effluent	Aqueous	01A	08/26/24 11:59 PM	250HDPEH2SO4	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: Memdey
Relinquished by: Relinquished by:

8/27/24 5:00 Received by:

Received by:

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2



Report Page 12 of 15

Octames-Control (C-O-O) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? X X Were all disparatures from standard conditions of sample acceptability upon receipt? X X X X X X X X X							
Review Name: Bill Prety (WIP) PrepSet: 1135771 QCgrusp: 1146222 Ves. No. No. No. No. No. No. No. No. No. No							
Fig. Description Yes No NA NB NB NB NB NB NB NB	111598	15983	;				
Chain-of-Cuntry (C-O-O) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? X X X X X X X X X	36222	2					
Tool sumples ment the laboratory's standard conditions of sample acceptability upon receipt? X X	Y	Ye	es	No	NA	NR	ER#
Were all department from standard conditions described in the exception report? X							
Sample and Quality Control (QC) Identification Are all field samples ID mambers roses referenced to the laboratory ID mambers? X						X	1
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Was applicable and available technology used to lower the SOL and minimize the matrix interference effects on the sample		X					
results?	ple X	X					

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App	endiz	k A: Laboratory Review Ch	necklist: Reportable Data					
Lab	orator	y Name: SPL Kilgore	LRC Date: 09/03/2024					\neg
Proj	ect Na	nme: Default	Laboratory Job (Project) Number: 1	115983				
Rev	iewer	Name: Bill Peery (WJP)	PrepSet: 1135771 QCgroup: 113622	2				
#	A	Description		Yes	No	NA	NR	ER#
S01	OI	Initial Calibration (ICAL)						
		Were response factors and/or relative response factors for each analyte within	n QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analyst	tes?	X				
		Were all points generated between the lowest and highest standard used to ca	alculate the curve?	X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second so	ource standard?	X				
S02	OI	Initial and Continuing Calibration Verification (ICCV and CCV) and Contin	ruing Calibration					
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC lir	mits?	X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB < 1	MQL?			X		
S03	0	Mass Spectral Tuning						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		\neg
S04	0	Internal Standards (IS)						
		Were IS area counts and retention times within the method-required QC limit	its?			X		
S05	OI	Raw Data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/	IEC 17025 section)					
		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	0	Dual Column Confirmation						
		Did dual column confirmation results meet the method-required QC?				X		
S07	0	Tentatively Identified Compounds (TICs)						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate to appropriate the transfer of the transfer	priate checks?			X		
S08	Ι	Interference Check Sample (ICS) Results						
		Were precent recoveries within method QC limits?				X		
S09	I	Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions						
		Were percent differences, recoveries, and the linearity within the QC limits s	specified in the method?			Х		
S10	OI	Method Detection Limit (MDL) Studies				Λ		
510		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or suppported by the analysis of detectability che	ock samnles?	X			\vdash	-
S11	OI	Proficiency Test Reports	ok sumples.	71				
[]	"	Was the laboratory's performance acceptable on the applicable proficiency to	ests or evaluation studies?					
		was the taboratory's performance acceptable on the applicable pronotoney a	of evaluation studies.	X				
S12	OI	Standards Documentation						
		Are all standards used in the analyses NIST-traceable or obtained from other	apropriate sources?	X				
S13	Ю	Compound/Analyte Identification Procedures						
		Are the procedures for compound/analyte identification documented?		X				
S14	OI	Demonstration of Analyst Compentency (DOC)						
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC Section	on 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?		X			\Box	$\neg \neg$
S15	OI	Verification/Validation Documentation Methods (NELAC Chapter 5 or ISO						
		Are all the methods used to generate the data documented, verified and valid	lated, where applicable?	X				
S16	OI	Laboratory Standard Operating Procedures (SOPs)						
		Are laboratory SOPs current and on file for each method performed?		X				
				_				

- 1. 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
- 2. O = organic analyses; I = ionorganic analyses (and general chemistry, when applicable);
- 3. N/A = Not applicable;
- 4. NR = Not reviewed
- 5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

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Appendix	A: (cont'd): Laboratory Review Checklist: Exception Repo	orts
Laboratory	Name: SPL Kilgore	LRC Date: 09/03/2024
Project Na	me: Default	Laboratory Job (Project) Number: 1115983
Reviewer	Name: Bill Peery (WJP)	PrepSet: 1135771 QCgroup: 1136222
ER#	Description	
1	Bottles were reviewed at login. Please see the chain of custod	y 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)

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Summary of WET Test Results
Wks 5.0 Section 3

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%

Effluent Parameters Above the MAL Wks 6.0 Section 2.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 EFFLUENT PARAMETERS ABOVE THE MAL

Pollutant	Concentration	MAL	Units	Date
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

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

Pollutant	Concentration	MAL	Units	Date
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

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

Pollutant	Concentration	MAL	Units	Date
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



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 9th. 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 9th (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 Willamson 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.

Respectfully yours,

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PLUMMER

Ashley Lewis

Water Quality/Permitting Team Leader

Enclosures (4)

cc: Ms. Laurie Hadley, City of Round Rock, City Manger

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: <u>Director – Utilities and Environmental Services</u> Credentials: <u>P.E.</u>

Company Name: <u>City of Round Rock</u>
Mailing Address: <u>3400 Sunrise Rd</u>

City, State, and Zip Code: <u>Round Rock, TX 78665</u> Phone Number: <u>512-218-3236</u> Fax Number: <u>N/A</u>

E-mail Address: <u>mthane@roundrocktexas.gov</u>

B. Please identify the individual for receiving the annual fee invoices.

First and Last Name: Michael Thane

Title: <u>Director – Utilities and Environmental Services</u> Credentials: <u>P.E.</u>

Company Name: <u>City of Round Rock</u> Mailing Address: 3400 Sunrise Rd

City, State, and Zip Code: <u>Round Rock, TX 78665</u> Phone Number: <u>512-218-3236</u> Fax Number: <u>N/A</u>

E-mail Address: mthane@roundrocktexas.gov

SECTION 10. DELINQUENT FEES OR PENALTIES

Do you owe fees to the TCEQ? Yes \square No \boxtimes

Do you owe any penalties to the TCEQ? Yes \square No \boxtimes

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 Ref #2 Paid For Endors. # Paid In By PayTyp Chk # Card# Bank Slip Tran.Date Receipt Amnt. 10264001 ROUND ROCK, CITY OF 10080174 BS00110805 \$100.00 BRUSHY CREEK M540209 CK 09-SEP-24

REGIONAL WEST WWTF

Report_ID: Page 1

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 cuidad de Austin, la ciudad de Cedar Park, v 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 cuidad 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/tpdesapplications. 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: v la declaración "[Yo/nosotros] solicito/solicitamos una audiencia de caso impugnado". Si presenta la petición para una audiencia de caso impugnado de parte de un grupo o asociación, debe identificar una persona que representa al grupo para recibir correspondencia en el futuro; identificar el nombre y la dirección de un miembro del grupo que sería afectado adversamente por la planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

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

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

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Ademas, puede pedir que la TCEQ ponga su nombre en una 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 agrega su nombre en una de las listas designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

CONTACTOS E INFORMACIÓN 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. 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.

También se puede obtener información adicional de la ciudad de Round Rock, la cuidad 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 <i> Date notice issued</i>	rectia de cilisiónpate notice issued
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