Administrative Package Cover Page

This file contains the following documents:

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

Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

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

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

The City of Wharton (CN600241335) operates the City of Wharton Wastewater Treatment Facility No. 1 (RN102187341), an activated sludge process plant operated in contact stabilization mode. The facility is located at 900 County Road 188, Wharton, Texas, in Wharton County, 77488.

This application is for a renewal to discharge at an annual average flow of 1,500,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7, Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, aeration basins, final clarifiers, sludge digesters, and chlorine contact chambers.

Spanish Translation

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 exige el Capítulo 39 del Título 30 del Código Administrativo de Texas. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no son representaciones exigibles a nivel federal de la solicitud de permiso.

La ciudad de Wharton (CN600241335) opera la Planta de tratamiento de aguas residuales No. 1 de la ciudad de Wharton (RN102187341), una planta de procesamiento de lodos activados que funciona en modo de estabilización por contacto. La instalación está ubicada en 900 County Road 188, Wharton, Texas, en el condado de Wharton, 77488.

Esta solicitud es para una renovación para descargar un flujo promedio anual de 1,500,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso de cinco días (CBOD5), sólidos suspendidos totales (TSS) y Escherichia coli. Se incluyen otros contaminantes potenciales en el Informe Técnico Doméstico 1.0, Sección 7, Análisis de Contaminantes de Efluentes Tratados y la Hoja de Trabajo Doméstica 4.0 en el paquete de solicitud de permiso. Las aguas residuales domésticas se tratan mediante una planta de proceso de lodos activados y las unidades de tratamiento incluyen una rejilla de rejilla, cuencas de aireación, clarificadores finales, digestores de lodos y cámaras de contacto con cloro.

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0010381001

APPLICATION. City of Wharton, 120 East Caney Street, Wharton, Texas 77488, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010381001 (EPA I.D. No. TX0021288) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 1,500,000 gallons per day. The domestic wastewater treatment facility is located at 900 County Road 188, in the city of Wharton, in Wharton County, Texas 77488. The discharge route is from the plant site to an unnamed tributary: thence to Colorado River Below La Grange. TCEQ received this application on July 30, 2024. The permit application will be available for viewing and copying at Wharton County Library, 1920 North Fulton Street, Wharton, in Wharton County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.097777,29.301388&level=18

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

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

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

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

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

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

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

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

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

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

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

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

Further information may also be obtained from City of Wharton at the address stated above or by calling Mr. Jonathan Nguyen, Permitting Specialist, at 512-685-5156.

Issuance Date: August 15, 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. WQ0010381001

SOLICITUD. City of Wharton, 120 East Caney Street, Wharton, Texas 77488 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010381001 (EPA I.D. No. TX0021288) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 1,500,000 galones por día. La planta está ubicada en 900 County Road 188, cerca de la ciudad de Whartonen el Condado de Wharton, Texas 77488. La ruta de descarga es del sitio de la planta a un afluente sin nombre: de allí al Río Colorado Por Debajo de La Grange. La TCEQ recibió esta solicitud el 30 de julio de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Biblioteca del Condado de Wharton, 1920 North Fulton Street, Wharton, en el condado de Wharton, Texas antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.097777,29.301388&level=18

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

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

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

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

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

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

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

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

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

También se puede obtener más información de la ciudad de Wharton en la dirección indicada anteriormente o llamando al Sr. Jonathan Nguyen, Especialista en Permisos, al 512-685-5156.

Fecha de emission: 15 de Agosto de 2024

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 30, 2024

Dear Applicant:

Re: Confirmation of Submission of the Renewal without changes for Public Domestic Wastewater Authorization.

This is an acknowledgement that you have successfully completed Renewal without changes for the Public Domestic Wastewater authorization.

ER Account Number: ER063212
Application Reference Number: 655611
Authorization Number: WQ0010381001
Site Name: Wharton WWTP 1
Regulated Entity: RN102187341 - Wharton Plant 1
Customer(s): CN600241335 - City of Wharton

Please be aware that TCEQ staff may contact your designated contact for any additional information.

If you have any questions, you may contact the Applications Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by telephone at (512) 239-4671.

Sincerely,
Applications Review and Processing Team
Water Quality Division

Texas Commission on Environmental Quality

Update Domestic or Industrial Individual Permit

WQ0010381001

Site Information (Regulated Entity)

What is the name of the site to be authorized?	WHARTON WWTP 1
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	900 COUNTY RD 188 WHARTON TX 77488
City	WHARTON
State	TX
ZIP	77488
County	WHARTON
Latitude (N) (##.######)	29.301388
Longitude (W) (-###.######)	-96.097777
Primary SIC Code	4952
Secondary SIC Code	
Primary NAICS Code	221320
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN102187341
What is the name of the Regulated Entity (RE)?	WHARTON PLANT 1
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	806 S EAST ST
City	WHARTON
State	TX
ZIP	77488
County	WHARTON
Latitude (N) (##.######)	29.302203
Longitude (W) (-###.######)	-96.096944
Facility NAICS Code	
What is the primary business of this entity?	DOMESTIC

City of-Customer (Applicant) Information (Owner)

How is this applicant associated with this site?	Owner
What is the applicant's Customer Number (CN)?	CN600241335
Type of Customer	City Government

Full legal name of the applicant:	
Legal Name	City of Wharton
Texas SOS Filing Number	
Federal Tax ID	74600255
State Franchise Tax ID	
State Sales Tax ID	
Local Tax ID	
DUNS Number	70137716
Number of Employees	0-20
Independently Owned and Operated?	
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes
Responsible Authority Contact	
Organization Name	City of Wharton
Prefix	MR
First	Tim
Middle	
Last	Barker
Suffix	
Credentials	
Title	Mayor, City of Wharton
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	120 E CANEY ST
Routing (such as Mail Code, Dept., or Attn:)	
City	WHARTON
State	TX
ZIP	77488
Phone (###-###-####)	9795322491
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	TBRAKER@CITYOFWHARTON.COM

Billing Contact

Responsible contact for receiving billing statements:	
Select the permittee that is responsible for payment of the annual fee.	CN600241335, City of Wharton
Organization Name	CITY OF WHARTON

Prefix	MR
First	JOSEPH
Middle	
Last	PACE
Suffix	I
Credentials	
Title	CITY MANAGER
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	120 E CANEY ST
Routing (such as Mail Code, Dept., or Attn:)	
City	WHARTON
State	TX
ZIP	77488
Phone (###-###-####)	9795322491
Extension	222
Alternate Phone (###-###-####)	
Fax (###-###-####)	9795320181
E-mail	JPACE@CITYOFWHARTON.COM

Application Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	
Organization Name	QUIDDITY ENGINEERING
Prefix	MR
First	Jonathan
Middle	
Last	Nguyen
Suffix	
Credentials	
Title	Permitting Specialist
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	3100 ALVIN DEVANE BLVD
Routing (such as Mail Code, Dept., or Attn:)	Suite 150
City	AUSTIN
State	TX

ZIP	78741
Phone (###-###-####)	5126855156
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jnguyen@quiddity.com

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	
Organization Name	Quiddity Engineering
Prefix	MR
First	STEVE
Middle	
Last	BARRY
Suffix	
Credentials	PE
Title	PROJECT ENGINEER
Enter new address or copy one from list:	

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	1575 SAWDUST RD STE 400
Routing (such as Mail Code, Dept., or Attn:)	
City	THE WOODLANDS
State	TX
ZIP	77380
Phone (###-###-####)	2813634039
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	2813633459
E-mail	SBARRY@QUIDDITY.COM

DMR Contact

Person responsible for submitting Discharge Monitoring Report Forms:

Same as another contact?	
Organization Name	CITY OF WHARTON
Prefix	MR
First	DANIEL

Middle	
Last	FRANKUM
Suffix	
Credentials	
Title	WASTEWATER PLANT OPERATOR
Enter new address or copy one from list:	
Mailing Address:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	120 E CANEY ST
Routing (such as Mail Code, Dept., or Attn:)	
City	WHARTON
State	TX
ZIP	77488
Phone (###-###-####)	9795320348
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	9795311744
E-mail	DFRANKUM@CITYOFWHATON.COM

Section 1# Permit Contact

Permit Contact#: 1

Person TCEQ should contact throughout the permit term.

1) Same as another contact?	Billing Contact
2) Organization Name	CITY OF WHARTON
3) Prefix	MR
4) First	JOSEPH
5) Middle	
6) Last	PACE
7) Suffix	I
8) Credentials	
9) Title	CITY MANAGER
Mailing Address	
10) Enter new address or copy one from list	
11) Address Type	Domestic
11.1) Mailing Address (include Suite or Bldg. here, if applicable)	120 E CANEY ST
11.2) Routing (such as Mail Code, Dept., or Attn:)	
11.3) City	WHARTON
11.4) State	TX

11.5) ZIP	77488
12) Phone (###-###-####)	9795322491
13) Extension	222
14) Alternate Phone (###-###-####)	
15) Fax (###-###-####)	9795320181
16) E-mail	JPACE@CITYOFWHARTON.COM

Section 2# Permit Contact

Permit Contact#: 2

Person TCEQ should contact throughout the permit term.

1) Same as another contact?	
2) Organization Name	CITY OF WHARTON
3) Prefix	MS
4) First	AMY
5) Middle	
6) Last	HORELICA
7) Suffix	
8) Credentials	
9) Title	ASSISTANT TO PUBLIC WORKS DIRECTOR

Mailing Address

10) Enter new address or copy one from list	DMR Contact
11) Address Type	Domestic
11.1) Mailing Address (include Suite or Bldg. here, if applicable)	120 E CANEY ST
11.2) Routing (such as Mail Code, Dept., or Attn:)	
11.3) City	WHARTON
11.4) State	TX
11.5) ZIP	77488
12) Phone (###-###-####)	9795324811
13) Extension	801
14) Alternate Phone (###-###-####)	
15) Fax (###-###-####)	9795311744
16) E-mail	AHORELICA@CITYOFWHARTON.COM

Owner Information

Owner of Treatment Facility

1) Prefix	
2) First and Last Name	

3) Organization Name	CITY OF WHARTON
4) Mailing Address	120 E CANEY STREET
5) City	WHARTON
6) State	TX
7) Zip Code	77488
8) Phone (###-###-####)	9795322491
9) Extension	222
10) Email	JPACE@CITYOFWHARTON.COM
11) What is ownership of the treatment facility?	Public
Owner of Land (where treatment facility is or will be)	
12) Prefix	
13) First and Last Name	
14) Organization Name	CITY OF WHARTON
15) Mailing Address	120 E CANEY STREET
16) City	WHARTON
17) State	TX
18) Zip Code	77488
19) Phone (###-###-####)	9795322491
20) Extension	222
21) Email	JPACE@CITYOFWHARTON.COM
22) Is the landowner the same person as the facility owner or co-applicant?	Yes

General Information Renewal-Amendment

1) Current authorization expiration date:	02/26/2025
2) Current Facility operational status:	Active
3) Is the facility located on or does the treated effluent cross American Indian Land?	No
4) What is the application type that you are seeking?	Renewal without changes
5) Current Authorization type:	Public Domestic Wastewater
5.1) What is the proposed total flow in MGD discharged at the facility?	1.5
5.2) Select the applicable fee	>= 1.0 MGD - Renewal - $2,015
6) What is the classification for your authorization?	TPDES
6.1) What is the EPA Identification Number?	TX0021288
6.2) Is the wastewater treatment facility location in the existing permit accurate?	Yes
6.3) Are the point(s) of discharge and the discharge route(s) in the existing permit correct?	Yes
6.4) City nearest the outfall(s):	WHARTON TX
6.5) County where the outfalls are located:	WHARTON

6.6) Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?	No
6.7) Is the daily average discharge at your facility of 5 MGD or more?	No
7) Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?	Yes
7.1) List each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application:	JONATHAN NGUYEN

Public Notice Information

Individual Publishing the Notices

1) Prefix	MR
2) First and Last Name	JONATHAN NGUYEN
3) Credential	
4) Title	PERMITTING SPECIALIST
5) Organization Name	QUIDDITY ENGINEERING
6) Mailing Address	3100 ALVIN DEVANE BLVD
7) Address Line 2	SUITE 150
8) City	AUSTIN
9) State	TX
10) Zip Code	78741
11) Phone (###-###-####)	5126855156
12) Extension	
13) Fax (###-###-####)	
14) Email	JNGUYEN@QUIDDITY.COM

Contact person to be listed in the Notices

15) Prefix	MR
16) First and Last Name	JONATHAN NGUYEN
17) Credential	
18) Title	PERMITTING SPECIALIST
19) Organization Name	QUIDDITY ENGINERING
20) Phone (###-###-####)	5126855156
21) Fax (###-###-####)	
22) Email	JNGUYEN@QUIDDITY.COM

Bilingual Notice Requirements

23) 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
23.1) Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?	Yes
23.2) Do the students at these schools attend a bilingual education	No

program at another location?	
23.3) 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)?	No
23.4) Which language is required by the bilingual program?	Spanish

Section 1# Public Viewing Information

County#: 1

1) County	WHARTON
2) Public building name	Wharton County Library
3) Location within the building	Reference Desk
4) Physical Address of Building	1920 N. Fulton Street
5) City	Wharton TX
6) Contact Name	Yvonne Lijffijit-Ploum
7) Phone (###-###-####)	9795328080
8) Extension	
9) Is the location open to the public?	Yes

Plain Language

1) Plain Language

[File Properties]

File Name	LANG_Municipal TPDES and TLAP PLS Form_SPANISH.docx
Hash	90A542B89481A03607EDE1FB1322F19FC725758ACFBEB3FA5D33BCCC8929E8C2
MIME-Type	application/vnd.openxmlformats-officedocument.wordprocessingml.document

Supplemental Permit Information Form

1) Supplemental Permit Information Form (SPIF)

[File Properties]

File Name	SPIF_Wharton 1 SPIF 2024-06-20.docx
Hash	355F9F8C4890B79605A5158850002ACA60ADFBDD9A626D4155356322B33C3F52
MIME-Type	application/vnd.openxmlformats-officedocument.wordprocessingml.document

Domestic Attachments

1) Attach an 8.5"x11", reproduced portion of the most current and original USGS Topographic Quadrangle Map(s) that

meets the 1:24,000 scale.

[File Properties]

File Name	MAP_C- USGS MAP - Wharton 1.pdf
Hash	B08EF86C893D37D00786934413CB6B27DD9F50B183985910DFDAA375162C4242
MIME-Type	application/pdf

2) I confirm that all required sections of Technical Report 1.0 are complete and will be included in the Technical Attachment.	Yes
2.1) I confirm that Worksheet 2.0 (Receiving Waters) is complete and included in the Technical Attachment.	Yes
2.2) Are you planning to include Worksheet 2.1 (Stream Physical Characteristics) in the Technical Attachment?	No
2.3) Are you planning to include Worksheet 4.0 (Pollutant Analyses Requirements) in the Technical Attachment?	Yes
2.4) Are you planning to include Worksheet 5.0 (Toxicity Testing Requirements) in the Technical Attachment?	Yes
2.5) I confirm that Worksheet 6.0 (Industrial Waste Contribution) is complete and included in the Technical Attachment.	Yes
2.6) Are you planning to include Worksheet 7.0 (Class V Injection Well Inventory/Authorization Form) in the Technical Attachment?	No

2.7) Technical Attachment

[File Properties]

File Name	TECH_D - Appl Tech Reports - Wharton 1.pdf
Hash	FC02786ADA72AC961E981550EF10B0186667517684958DE514648355FE4A69E3
MIME-Type	application/pdf

3) Buffer Zone Map

[File Properties]

File Name	BUFF_ZM_Unneeded attachments.pdf
Hash	A54E8916A4FC1891C1DA112C8855A764BDF959B070B7A550E9AD0EAFA05AEA1E
MIME-Type	application/pdf

4) Flow Diagram

[File Properties]

File Name	FLDIA_E - SCHEMATICS - Wharton 1.pdf
Hash	EC65801EE7076007299048D0E2802DD69505F20E98F53C78381F15EAD34500B6
MIME-Type	application/pdf

5) Site Drawing

[File Properties]

File Name	SITEDR_F - SERVICE AREA MAP - Wharton 1.pdf
Hash	46E2C78679956210DF406FE95CB73D01948D98CDA7D14E3D56BF1ECCB52DAB5F

MIME-Type	application/pdf

6) Design Calculations

[File Properties]	
File Name	DES_CAL_Unneeded attachments.pdf
Hash	A54E8916A4FC1891C1DA112C8855A764BDF959B070B7A550E9AD0EAFA05AEA1E
MIME-Type	application/pdf

7) Solids Management Plan

[File Properties]	
File Name	SMP_Unneeded attachments.pdf
Hash	A54E8916A4FC1891C1DA112C8855A764BDF959B070B7A550E9AD0EAFA05AEA1E
MIME-Type	application/pdf

8) Water Balance

[File Properties]	
File Name	WB_Unneeded attachments.pdf
Hash	A54E8916A4FC1891C1DA112C8855A764BDF959B070B7A550E9AD0EAFA05AEA1E
MIME-Type	application/pdf

9) Other Attachments

[File Properties]	
File Name	OTHER_A - PLS - Wharton.pdf
Hash	11785AF4BED695DADC4FB750E3752F875042F52FD72FC09E7C06CF9159DD8845
MIME-Type	application/pdf

[File Properties]	
File Name	OTHER_B - SPIF - Wharton 1.pdf
Hash	0DB98A977499A8492429A7570BF590609D0A26F561C463A3BC04CCD76C89A718
MIME-Type	application/pdf

[File Properties]	
File Name	OTHER_G - CDF - Wharton 1.pdf
Hash	B7CA2C449F5ABD2E060E46F8BC29558FAE29EC499FD6598A6C3472B52E549B2C
MIME-Type	application/pdf

[File Properties]	
File Name	OTHER_H - Eff Analyss - Wharton 1.pdf
Hash	C36C24B6C24C4531191ADB07008259D20F2BFBC8E0532F5C5C8A1BB5CC76EA47
MIME-Type	application/pdf

Certification

I certify that I am authorized under 30 Texas Administrative Code 305.44 to sign this document and can provide documentation in proof of such authorization upon request.

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.

1. I am Tim Barker, the owner of the STEERS account ER106596.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Update Domestic or Industrial Individual Permit WQ0010381001.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER Signature: Tim Barker OWNER

Customer Number:	CN600241335
Legal Name:	City of Wharton
Account Number:	ER106596
Signature IP Address:	12.156.169.40
Signature Date:	2024-07-29
Signature Hash:	4435DFAF64832D41C0462A9824C4CAF32D27005E45EBD7A88AF393AD35367596
Form Hash Code at time of Signature:	B55D5325FA90BE900446CE808B3E4870C7A1F99BABA4D00C15A1A915F78451C1

Fee Payment

Transaction by:	The application fee payment transaction was made by ER063212/Amy B Horelica
Paid by:	The application fee was paid by AMY HORELICA
Fee Amount:	$2000.00
Paid Date:	The application fee was paid on 2024-07-30
Transaction/Voucher number:	The transaction number is 582EA000619276 and the voucher number is 714873

Submission

Reference Number:	The application reference number is 655611
Submitted by:	The application was submitted by ER063212/Amy B Horelica
Submitted Timestamp:	The application was submitted on 2024-07-30 at 09:05:19 CDT
Submitted From:	The application was submitted from IP address 12.156.169.40
Confirmation Number:	The confirmation number is 553783
Steers Version:	The STEERS version is 6.79
Permit Number:	The permit number is WQ0010381001

Additional Information

Application Creator: This account was created by Stephen Barry

ATTACHMENT G

CORE DATA FORM

CITY OF WHARTON
WASTEWATER TREATMENT PLANT NO. 1

JULY 2024

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 600241335		RN 102187341

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

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

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

City of Wharton

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

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

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

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

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

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

15. Mailing Address:

120 East Caney Street

City	Wharton	State	TX	ZIP	77488	ZIP + 4	

16. Country Mailing Information *(if outside USA)*	17. E-Mail Address *(if applicable)*
	jpace@cityofwharton.com

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

(979) 532-2491	222	( ) -

SECTION III: Regulated Entity Information

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

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

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

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

City of Wharton WWTP No 1

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	900 County Road 188							
	City	Wharton	**State**	TX	**ZIP**	77488	**ZIP + 4**	
24. County	Wharton							

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

25. Description to Physical Location:					
26. Nearest City			**State**		**Nearest ZIP Code**
Wharton			TX		77488

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

27. Latitude (N) In Decimal:	29.301291		**28. Longitude (W) In Decimal:**	-96.097714	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
4952		221320	

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

34. Mailing Address:	**120 East Caney Street**							
	City	**Wharton**	**State**	**TX**	**ZIP**	**77488**	**ZIP + 4**	
35. E-Mail Address:	**dfrankum@cityofwharton.com**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(979) 532-348		( ) -

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☒ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
	TXR05Q186			
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0010381001			

SECTION IV: Preparer Information

40. Name:	Steve Barry	**41. Title:**	Project Engineer

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(281 **)** 363-4039		**( )** -	sbarry@quiddity.com

SECTION V: Authorized Signature

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

Company:	City of Wharton	**Job Title:**	Mayor
Name *(In Print):*	Tim Barker	**Phone:**	**(** 979 **)** 532- **2491**
Signature:		**Date:**	

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

The City of Wharton (CN600241335) operates the City of Wharton Wastewater Treatment Facility No. 1 (RN102187341), an activated sludge process plant operated in contact stabilization mode. The facility is located at 900 County Road 188, Wharton, Texas, in Wharton County, 77488.

This application is for a renewal to discharge at an annual average flow of 1,500,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7, Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, aeration basins, final clarifiers, sludge digesters, and chlorine contact chambers.

Spanish Translation

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 exige el Capítulo 39 del Título 30 del Código Administrativo de Texas. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no son representaciones exigibles a nivel federal de la solicitud de permiso.

La ciudad de Wharton (CN600241335) opera la Planta de tratamiento de aguas residuales No. 1 de la ciudad de Wharton (RN102187341), una planta de procesamiento de lodos activados que funciona en modo de estabilización por contacto. La instalación está ubicada en 900 County Road 188, Wharton, Texas, en el condado de Wharton, 77488.

Esta solicitud es para una renovación para descargar un flujo promedio anual de 1,500,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso de cinco días (CBOD5), sólidos suspendidos totales (TSS) y Escherichia coli. Se incluyen otros contaminantes potenciales en el Informe Técnico Doméstico 1.0, Sección 7, Análisis de Contaminantes de Efluentes Tratados y la Hoja de Trabajo Doméstica 4.0 en el paquete de solicitud de permiso. Las aguas residuales domésticas se tratan mediante una planta de proceso de lodos activados y las unidades de tratamiento incluyen una rejilla de rejilla, cuencas de aireación, clarificadores finales, digestores de lodos y cámaras de contacto con cloro.

City of Wharton – TPDES Renewal
Plain Language Summary

ATTACHMENT A

PLAIN LANGUAGE SUMMARY

CITY OF WHARTON
WASTEWATER TREATMENT PLANT NO. 1

JULY 2024

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

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

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La ciudad de Wharton (CN600241335) opera la Planta de tratamiento de aguas residuales No. 1 de la ciudad de Wharton (RN102187341), una planta de procesamiento de lodos activados que funciona en modo de estabilización por contacto. La instalación está ubicada en 900 County Road 188, Wharton, Texas, en el condado de Wharton, 77488.

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ATTACHMENT B

SUPPLEMENTAL PERMIT INFORMATION FORM

CITY OF WHARTON
WASTEWATER TREATMENT PLANT NO. 1

JULY 2024

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

_____ Texas Historical Commission _____ U.S. Fish and Wildlife

_____ Texas Parks and Wildlife Department _____ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: City of Wharton

   Permit No. WQ00 10381001 EPA ID No. TX 0021288

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

   The plant is located at 900 County Road 188, Wharton, TX 77488, Wharton County

Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Jonathan Nguyen

Credential (P.E, P.G., Ph.D., etc.): Click here to enter text.

Title: Permitting Specialist

Mailing Address: 3100 Alvin Devane Blvd., Suite 150

City, State, Zip Code: Austin, TX 78741

Phone No.: 512-685-5156 Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: jnguyen@quiddity.com

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

The permittee is the property owner

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

Discharge is to an unnamed tributary; thence to the Colorado River Below La Grange in Segment 1402 of the Colorado River Basin

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

No expansion construction is planned

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

The plant site is used for a wastewater treatment plant

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

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

Click here to enter text.

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

Click here to enter text.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

_____ Texas Historical Commission _____ U.S. Fish and Wildlife

_____ Texas Parks and Wildlife Department _____ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: City of Wharton

   Permit No. WQ00 10381001 EPA ID No. TX 0021288

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

   The plant is located at 900 County Road 188, Wharton, TX 77488, Wharton County

Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Jonathan Nguyen

Credential (P.E, P.G., Ph.D., etc.): Click here to enter text

Title: Permitting Specialist

Mailing Address: 3100 Alvin Devane Blvd., Suite 150

City, State, Zip Code: Austin, TX 78741

Phone No.: 512-685-5156 Ext.: Click here to enter text Fax No.: Click here to enter text

E-mail Address: jnguyen@quiddity.com

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

The permittee is the property owner

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

Discharge is to an unnamed tributary; thence to the Colorado River Below La Grange in Segment 1402 of the Colorado River Basin

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

No expansion construction is planned

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

The plant site is used for a wastewater treatment plant

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

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

Click here to enter text.

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

Click here to enter text.

ATTACHMENT C

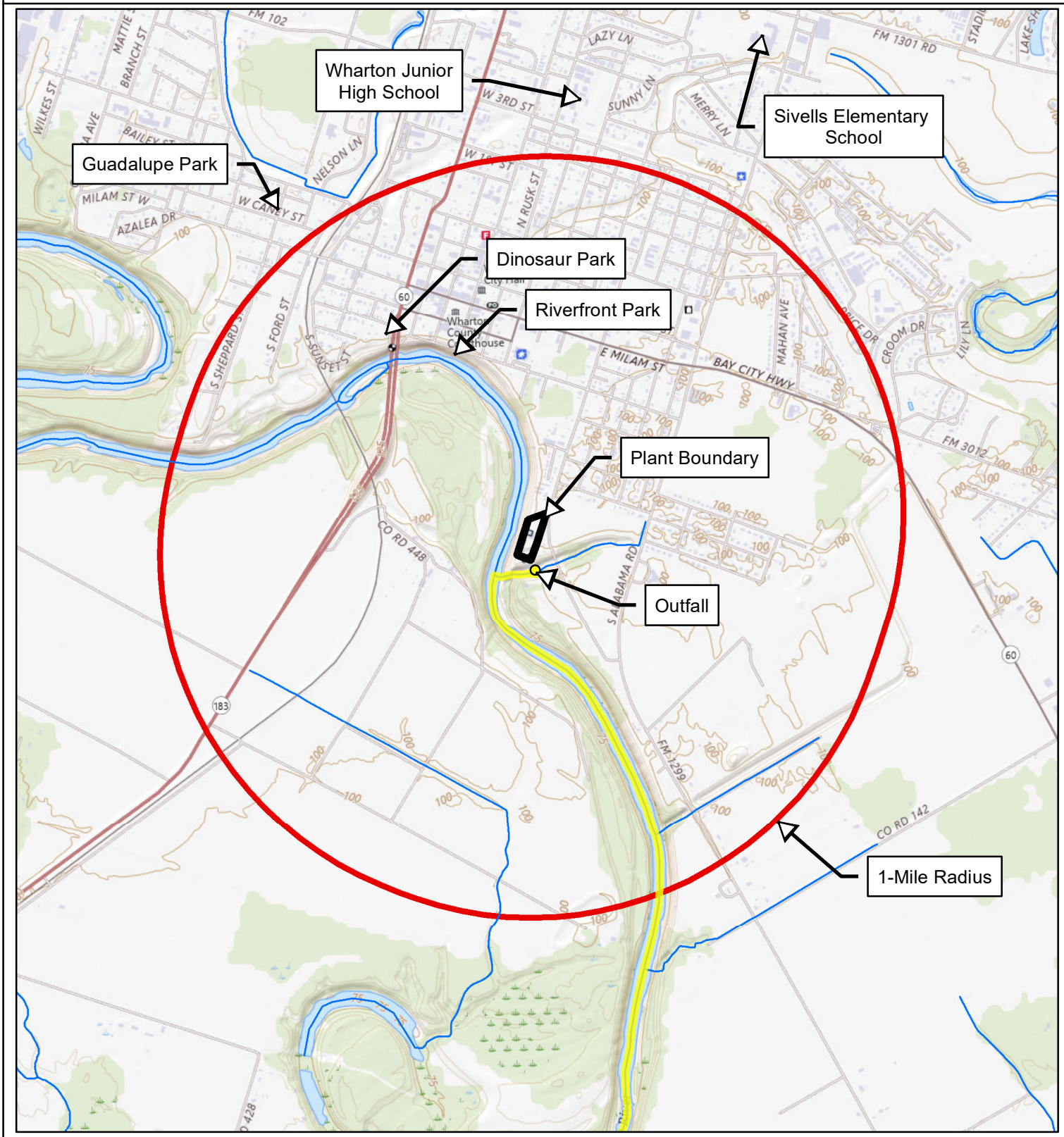
USGS MAP

CITY OF WHARTON
WASTEWATER TREATMENT PLANT NO. 1

JULY 2024

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

USGS TOPO MAP EXHIBIT 1



QUIDDITY
Texas Board of Professional Engineers Registration No. F-23290

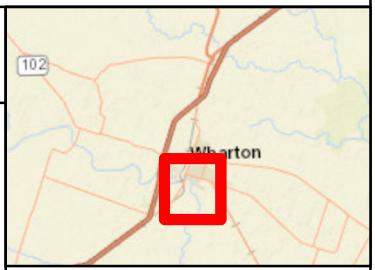
N
W E
S

1 inch equals 2,000 feet

CITY OF WHARTON
WHARTON COUNTY, TEXAS

LEGEND

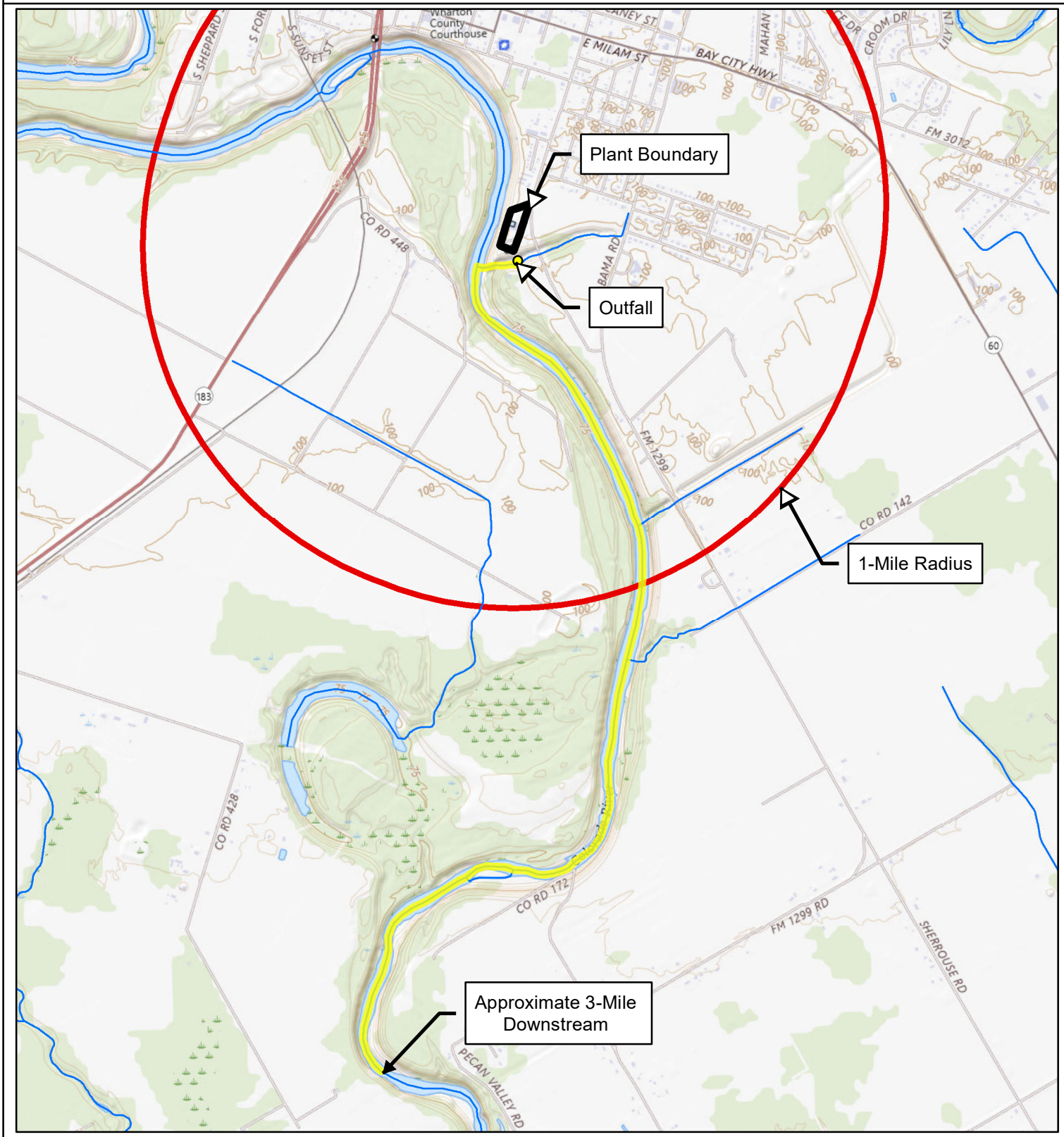
- Outfall
- Discharge Route
- Streams
- 1-Mile Radius
- Plant Boundary



VICINITY MAP
Scale: 1 inch equals 10 miles

Path: V:\Practice Workspace\Corporate Services\GIS\Projects\0_USGS Maps\Wharton\2024\USGS_Topo_Map_8.5X11.mxd
Project Number: 05135-0244-01.100 Date: 5/31/2024 User Name: lda

USGS TOPO MAP EXHIBIT 2



Disclaimer: This product is offered for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property, governmental and/or political boundaries or related facilities to said boundary. No express warranties are made by Jones & Carter, Inc. concerning the accuracy, completeness, reliability, or usability of the information included within this exhibit.

QUIDDITY
Texas Board of Professional Engineers Registration No. F-23290

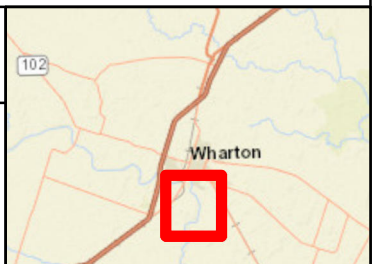
N W E S

1 inch equals 2,000 feet

CITY OF WHARTON
WHARTON COUNTY, TEXAS

LEGEND

- Outfall
- Discharge Route
- Streams
- 1-Mile Radius
- Plant Boundary



VICINITY MAP
Scale: 1 inch equals 10 miles

Path: V:\Practice Workspace\Corporate Services\GIS\Projects\0_USGS Maps\Wharton\2024\USGS_Topo_Map_EX2_8.5X11.mxd
Project Number: 05135-0244-01.100 Date: 5/31/2024 User Name: lda

ATTACHMENT F

SERVICE AREA MAP

CITY OF WHARTON
WASTEWATER TREATMENT PLANT NO. 1

JULY 2024

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
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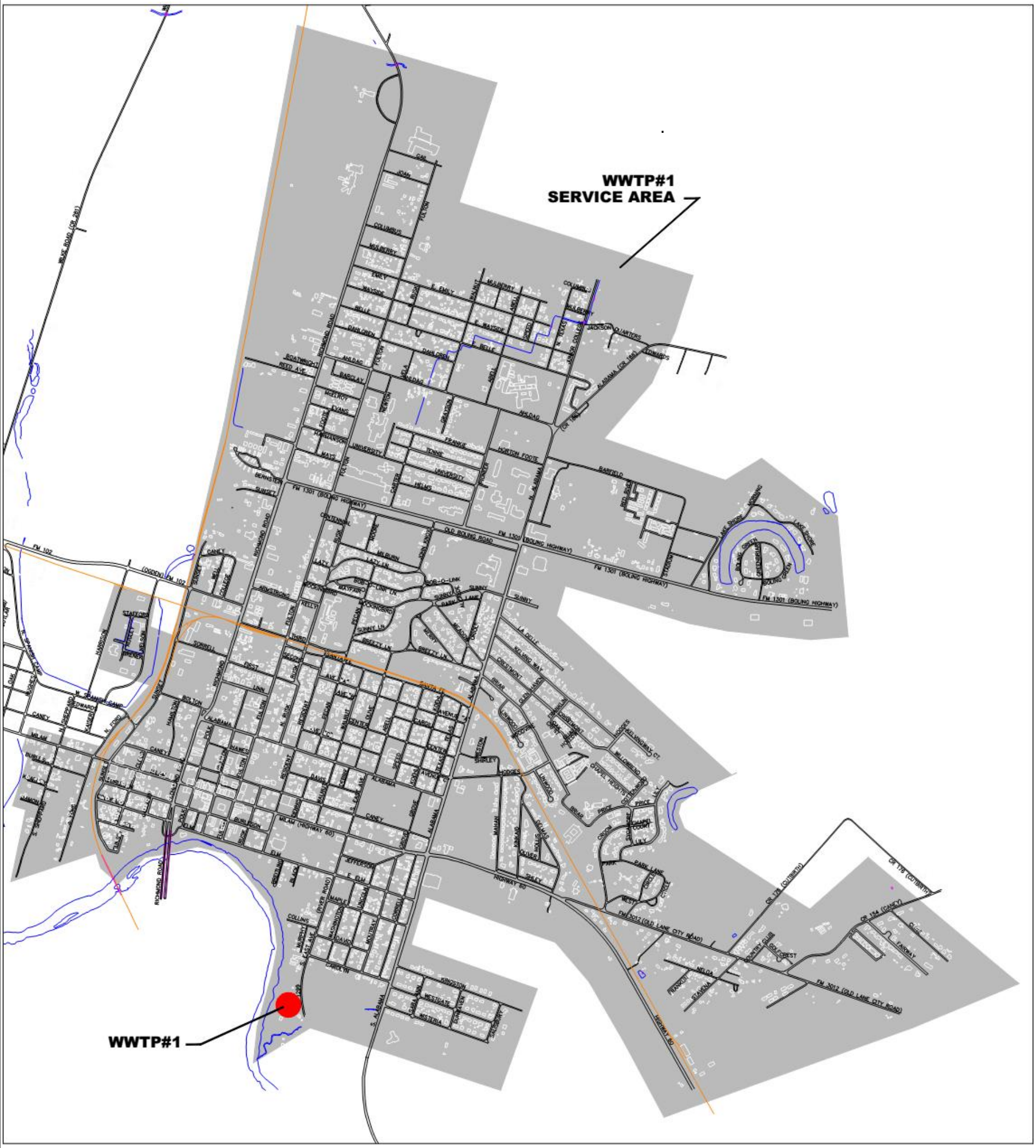


SITE DRAWING

CITY OF WHARTON
WASTEWATER TREATMENT PLANT NO. 1
PERMIT NO. WQ0010381001

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

ATTACHMENT D

APPLICATION TECHNICAL REPORTS

CITY OF WHARTON
WASTEWATER TREATMENT PLANT NO. 1

JULY 2024

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

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): 1.50

2-Hr Peak Flow (MGD): 4.07

Estimated construction start date: -----

Estimated waste disposal start date: -----

B. Interim II Phase

Design Flow (MGD): -----

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

Estimated construction start date: -----

Estimated waste disposal start date: -----

C. Final Phase

Design Flow (MGD): 1.50

2-Hr Peak Flow (MGD): 4.07

Estimated construction start date: -----

Estimated waste disposal start date: -----

D. Current Operating Phase

Provide the startup date of the facility: July 1978

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

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

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

The facility is a contact stabilization activated sludge plant. Influent is screened by a coarse bar screen followed by rotating fine screens. Effluent is disinfected using chlorine gas followed by dechlorination using sodium bisulfite. Waste sludge is aerobically digested prior to being dewatered using a belt process. Dewatered sludge is disposed at a landfill

B. Treatment Units

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

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
C**ontact aeration basin**	1	2**3,812 cu.ft**
Reaeration basin	1	31, 913 cu.ft.
Final clarifier	2	164,230 cu.ft.
Aerobic digester	3	22,682 cu.ft.
Chlorine contact basin	3	8,907 cu.ft.

C. Process Flow Diagram

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

Attachment: See Attachment

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

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

- Latitude: 29.299944
- Longitude: -96.097385

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

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

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

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

Attachment: See attachment

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

The plant serves the City of Wharton east of the railroad tracks

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

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
City of Wharton Collection System	City of Wharton	Publicly Owned	5,500
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

N/A

Section 5. Closure Plans (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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: unknown

Provide information, including dates, on any actions taken to meet a *requirement or provision* pertaining to the submission of a summary transmittal letter. **Provide a copy of an approval letter from the TCEQ, if applicable**.

No action needed

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

No action needed

C. Other actions required by the current permit

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

☐ Yes ☒ No

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

No action needed

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

☐ Yes ☒ No

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

2. Grit and grease processing

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

N/A

3. Grit disposal

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

☐ Yes ☒ No

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

Describe the method of grit disposal.

N/A

4. *Grease and decanted liquid disposal*

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

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

N/A

E. Stormwater management

1. *Applicability*

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

2. *MSGP coverage*

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

☒ Yes ☐ No

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

TXR05 Q186 or TXRNE Click to enter text.

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

☐ Yes ☐ No

3. *Conditional exclusion*

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

☐ Yes ☐ No

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

Click to enter text.

4. ***Existing coverage in individual permit***

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

☐ Yes ☐ No

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

Click to enter text.

5. ***Zero stormwater discharge***

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

☐ Yes ☐ No

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

Click to enter text.

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

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

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

☐ Yes ☐ No

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

Click to enter text.

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

Click to enter text.

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

N/A

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

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

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

☐ Yes ☒ No

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

N/A

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

Is the facility in operation?

☒ Yes ☐ No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l	2	2	1	Grab	5/13/24 8:20
Total Suspended Solids, mg/l	2	2	1	Grab	5/13/24 8:20
Ammonia Nitrogen, mg/l	5.9	5.9	1	Grab	5/13/24 8:20
Nitrate Nitrogen, mg/l	16	16	1	Grab	5/13/24 8:20

Total Kjeldahl Nitrogen, mg/l	3.6	3.6	1	Grab	5/13/24 8:20
Sulfate, mg/l	47.7	47.7	1	Grab	5/13/24 8:20
Chloride, mg/l	122	122	1	Grab	5/13/24 8:20
Total Phosphorus, mg/l	2.65	2.65	1	Grab	5/13/24 8:20
pH, standard units	7.2	7.2	1	Grab	5/13/24 8:20
Dissolved Oxygen*, mg/l	6.5	6.5	1	Grab	5/13/24 8:20
Chlorine Residual, mg/l	<0.1	<0.1	1	Grab	5/13/24 8:20
E.coli (CFU/100ml) freshwater	<1.0	<1.0	1	Grab	5/13/24 8:20
Entercocci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	592	592	1	Grab	5/13/24 8:20
Electrical Conductivity, µmohs/cm, †	738	738	1	Grab	5/13/24 8:20
Oil & Grease, mg/l	<4.9	<4.9	1	Grab	5/13/24 8:20
Alkalinity ($CaCO_3$)*, mg/l	160	160	1	Grab	5/13/24 8:20

*TPDES permits only
†TLAP permits only

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

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

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Daniel Frankum

Facility Operator's License Classification and Level: A

Facility Operator's License Number: WW0058791

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

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

☒ Design flow>= 1 MGD

☐ Serves >= 10,000 people

☐ Class I Sludge Management Facility (per 40 CFR § 503.9)

☒ Biosolids generator

☐ Biosolids end user – land application (onsite)

☐ Biosolids end user – surface disposal (onsite)

☐ Biosolids end user – incinerator (onsite)

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

☒ Aerobic Digestion

☐ Air Drying (or sludge drying beds)

☐ Lower Temperature Composting

☐ Lime Stabilization

☐ Higher Temperature Composting

☐ Heat Drying

☐ Thermophilic Aerobic Digestion

☐ Beta Ray Irradiation

☐ Gamma Ray Irradiation

☐ Pasteurization

☐ Preliminary Operation (e.g. grinding, de-gritting, blending)

☒ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)

☐ Sludge Lagoon

☐ Temporary Storage (< 2 years)

☐ Long Term Storage (>= 2 years)

☐ Methane or Biogas Recovery

☐ Other Treatment Process: Click to enter text.

C. Biosolids Management

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

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	Off-site Third-Party Handler or Preparer	Bulk	71	Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

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

D. Disposal site

Disposal site name: Fort Bend Regional Landfill

TCEQ permit or registration number: 2270

County where disposal site is located: Fort Bend

E. Transportation method

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

Name of the hauler: Waste Corporation of Texas

Hauler registration number: 88655

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

B. Sludge processing authorization

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

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

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

☐ Yes ☒ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

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

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

  Attachment: Click to enter text.
- Site map:

  Attachment: Click to enter text.

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

☐ Overlap a designated 100-year frequency flood plain

☐ Soils with flooding classification

☐ Overlap an unstable area

☐ Wetlands

☐ Located less than 60 meters from a fault

☐ None of the above

Attachment: Click to enter text.

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

Click to enter text.

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: Click to enter text.

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

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

Phosphorus, mg/kg: Click to enter text.

Potassium, mg/kg: Click to enter text.

pH, standard units: Click to enter text.

Ammonia Nitrogen mg/kg: Click to enter text.

Arsenic: Click to enter text.

Cadmium: Click to enter text.

Chromium: Click to enter text.

Copper: Click to enter text.

Lead: Click to enter text.

Mercury: Click to enter text.

Molybdenum: Click to enter text.

Nickel: Click to enter text.

Selenium: Click to enter text.

Zinc: Click to enter text.

Total PCBs: Click to enter text.

Provide the following information:

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

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

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

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of $1x10^{-7}$ cm/sec?

☐ Yes ☐ No

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

Click to enter text.

D. Site development plan

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

Click to enter text.

Attach the following documents to the application.

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

  Attachment: Click to enter text.
- Copy of the closure plan

  Attachment: Click to enter text.
- Copy of deed recordation for the site

  Attachment: Click to enter text.
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

  Attachment: Click to enter text.
- Description of the method of controlling infiltration of groundwater and surface water from entering the site

  Attachment: Click to enter text.
- Procedures to prevent the occurrence of nuisance conditions

  Attachment: Click to enter text.

E. Groundwater monitoring

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

☐ Yes ☐ No

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

Attachment: Click to enter text.

Section 12. Authorizations/Compliance/Enforcement (Instructions

Page 55)

A. Additional authorizations

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

☐ Yes ☒ No

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

N/A

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Click to enter text.

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

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

Attachment: N/A

Section 14. Laboratory Accreditation (Instructions Page 56)

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

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

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

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

CERTIFICATION:

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

Printed Name: Tim Barker

Title: Mayor, City of Wharton

Signature: _____

Date: _____

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

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

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

☐ Yes ☒ No

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

Owner of the drinking water supply: Click to enter text.

Distance and direction to the intake: Click to enter text.

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

Attachment: Click to enter text.

Section 2. Discharge into Tidally Affected Waters (Instructions Page 64)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

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

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: Click to enter text.

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

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

Click to enter text.

C. Sea grasses

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

☐ Yes ☐ No

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

Click to enter text.

Section 3. Classified Segments (Instructions Page 64)

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

☐ Yes ☒ No

If yes, this Worksheet is complete.

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

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

Name of the immediate receiving waters: Unnamed tributary

A. Receiving water type

Identify the appropriate description of the receiving waters.

☒ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres: Click to enter text.

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

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

☐ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify: Click to enter text.

B. Flow characteristics

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

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

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

☐ Perennial - normally flowing

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

☐ USGS flow records

☐ Historical observation by adjacent landowners

☒ Personal observation

☐ Other, specify: Click to enter text.

C. Downstream perennial confluences

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

Colorado River

D. Downstream characteristics

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

☐ Yes ☒ No

If yes, discuss how.

N/A

E. Normal dry weather characteristics

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

Discharge is into a dry ditch

Date and time of observation: 6/24/2024 8:00 am

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

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

A. Upstream influences

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

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

B. Waterbody uses

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

- ☐ Livestock watering
- ☐ Irrigation withdrawal
- ☐ Fishing
- ☐ Domestic water supply
- ☐ Park activities
- ☐ Contact recreation
- ☒ Non-contact recreation
- ☐ Navigation
- ☐ Industrial water supply
- ☐ Other(s), specify: Click to enter text.

C. Waterbody aesthetics

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 4.0: POLLUTANT ANALYSIS REQUIREMENTS

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

This worksheet is not required minor amendments without renewal.

Section 1. Toxic Pollutants (Instructions Page 78)

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

Grab ☒ Composite ☐

Date and time sample(s) collected: 5/13/2024, 08:20

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	<2.0	<2.0	1	50
Aldrin	<0.0099	<0.0099	1	0.01
Aluminum	21.3	21.3	1	2.5
Anthracene	<0.983	<0.983	1	10
Antimony	<0.625	<0.625	1	5
Arsenic	2.89	2.89	1	0.5
Barium	115	115	1	3
Benzene	<1.0	<1.0	1	10
Benzidine	<19.7	<19.7	1	50
Benzo(a)anthracene	<0.983	<0.983	1	5
Benzo(a)pyrene	<0.983	<0.983	1	5
Bis(2-chloroethyl)ether	<0.983	<0.983	1	10
Bis(2-ethylhexyl)phthalate	<7.37	<7.37	1	10
Bromodichloromethane	<1.0	<1.0	1	10
Bromoform	<1.0	<1.0	1	10
Cadmium	<0.625	<0.625	1	1
Carbon Tetrachloride	<1.0	<1.0	1	2
Carbaryl	<2.48	<2.48	1	5
Chlordane*	<0.198	<0.198	1	0.2
Chlorobenzene	<1.0	<1.0	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chlorodibromomethane	<1.0	<1.0	1	10
Chloroform	<1.0	<1.0	1	10
Chlorpyrifos	<0.0495	<0.0495	1	0.05
Chromium (Total)	1.39	1.39	1	3
Chromium (Tri) **(*1)**	< 3.0	< 3.0	1	N/A
Chromium (Hex)	< 3.0	< 3.0	1	3
Copper	4.78	4.78	1	2
Chrysene	<0.983	<0.983	1	5
p-Chloro-m-Cresol	<2.36	<2.36	1	10
4,6-Dinitro-o-Cresol	<7.87	<7.87	1	50
p-Cresol	<6.1	<6.1	1	10
Cyanide **(*2)**	<5	<5	1	10
4,4'- DDD	<0.0099	<0.0099	1	0.1
4,4'- DDE	<0.0099	<0.0099	1	0.1
4,4'- DDT	<0.0099	<0.0099	1	0.02
2,4-D	0.746	0.746	1	0.7
Demeton (O and S)	<0.0495	<0.0495	1	0.20
Diazinon	<0.0495	<0.0495	1	0.5/0.1
1,2-Dibromoethane	<1.0	<1.0	1	10
m-Dichlorobenzene	<1.0	<1.0	1	10
o-Dichlorobenzene	<1.0	<1.0	1	10
p-Dichlorobenzene	<1.0	<1.0	1	10
3,3'-Dichlorobenzidine	<4.92	<4.92	1	5
1,2-Dichloroethane	<1.0	<1.0	1	10
1,1-Dichloroethylene	<1.0	<1.0	1	10
Dichloromethane	<1.02	<1.02	1	20
1,2-Dichloropropane	<1.0	<1.0	1	10
1,3-Dichloropropene	<1.0	<1.0	1	10
Dicofol	<0.0495	<0.0495	1	1
Dieldrin	<0.0099	<0.0099	1	0.02
2,4-Dimethylphenol	<2.36	<2.36	1	10
Di-n-Butyl Phthalate	<7.37	<7.37	1	10
Diuron	< 0.0446	< 0.0446	1	0.09

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan I (alpha)	<0.0099	<0.0099	1	0.01
Endosulfan II (beta)	<0.0099	<0.0099	1	0.02
Endosulfan Sulfate	<0.0099	<0.0099	1	0.1
Endrin	<0.0099	<0.0099	1	0.02
Ethylbenzene	< 1.0	< 1.0	1	10
Fluoride	260	260	1	500
Guthion	<0.0495	<0.0495	1	0.1
Heptachlor	<0.0099	<0.0099	1	0.01
Heptachlor Epoxide	<0.0099	<0.0099	1	0.01
Hexachlorobenzene	<0.983	<0.983	1	5
Hexachlorobutadiene	<0.983	<0.983	1	10
Hexachlorocyclohexane (alpha)	<0.0099	<0.0099	1	0.05
Hexachlorocyclohexane (beta)	<0.0099	<0.0099	1	0.05
gamma-Hexachlorocyclohexane (Lindane)	<0.0099	<0.0099	1	0.05
Hexachlorocyclopentadiene	<8.85	<8.85	1	10
Hexachloroethane	<0.983	<0.983	1	20
Hexachlorophene	<1.24	<1.24	1	10
Lead	<0.5	<0.5	1	0.5
Malathion	<0.0495	<0.0495	1	0.1
Mercury	< 0.005	< 0.005	1	0.005
Methoxychlor	<0.0099	<0.0099	1	2
Methyl Ethyl Ketone	<1.0	<1.0	1	50
Mirex	<0.0099	<0.0099	1	0.02
Nickel	3.46	3.46	1	2
Nitrate-Nitrogen	16000	16000	1	100
Nitrobenzene	<0.983	<0.983	1	10
N-Nitrosodiethylamine	<0.983	<0.983	1	20
N-Nitroso-di-n-Butylamine	<0.983	<0.983	1	20
Nonylphenol	<29.6	<29.6	1	333
Parathion (ethyl)	<0.0495	<0.0495	1	0.1
Pentachlorobenzene	<0.983	<0.983	1	20
Pentachlorophenol	<0.983	<0.983	1	5

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Phenanthrene	<0.983	<0.983	1	10
Polychlorinated Biphenyls (PCB's) **(*3)**	<0.198	<0.2	7	0.2
Pyridine	<5.31	<5.31	1	20
Selenium	0.921	0.921	1	5
Silver	<0.226	<0.226	1	0.5
1,2,4,5-Tetrachlorobenzene	<0.983	<0.983	1	20
1,1,2,2-Tetrachloroethane	<1.0	<1.0	1	10
Tetrachloroethylene	<1.0	<1.0	1	10
Thallium	<0.5	<0.5	1	0.5
Toluene	<1.0	<1.0	1	10
Toxaphene	<0.198	<0.198	1	0.3
2,4,5-TP (Silvex)	<0.293	<0.293	1	0.3
Tributyltin (see instructions for explanation)	N/A	N/A	N/A	0.01
1,1,1-Trichloroethane	<1.0	<1.0	1	10
1,1,2-Trichloroethane	<1.0	<1.0	1	10
Trichloroethylene	<1.0	<1.0	1	10
2,4,5-Trichlorophenol	<0.983	<0.983	1	50
TTHM (Total Trihalomethanes)	<1.0	<1.0	1	10
Vinyl Chloride	<1.0	<1.0	1	10
Zinc	40.8	40.8		5

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

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

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

Section 2. Priority Pollutants

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

Grab ☒ Composite ☐

Date and time sample(s) collected: 5/13/2024, 08:20

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	<0.625	<0.625	1	5
Arsenic	2.89	2.89	1	0.5
Beryllium	<0.5	<0.5	1	0.5
Cadmium	<0.625	<0.625	1	1
Chromium (Total)	1.39	1.39	1	3
Chromium (Hex)	< 3.0	< 3.0	1	3
Chromium (Tri) **(*1)**	< 3.0	< 3.0	1	N/A
Copper	4.78	4.78	1	2
Lead	<0.5	<0.5	1	0.5
Mercury	< 0.005	< 0.005	1	0.005
Nickel	3.46	3.46	1	2
Selenium	0.921	0.921	1	5
Silver	<0.226	<0.226	1	0.5
Thallium	<0.5	<0.5	1	0.5
Zinc	40.8	40.8	1	5
Cyanide **(*2)**	<5	<5	1	10
Phenols, Total	<1.47	<1.47	1	10

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

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

Table 4.0(2)B – Volatile Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrolein	<4.0	<4.0	1	50
Acrylonitrile	<2.0	<2.0	1	50
Benzene	<1.0	<1.0	1	10
Bromoform	<1.0	<1.0	1	10
Carbon Tetrachloride	<1.0	<1.0	1	2
Chlorobenzene	<1.0	<1.0	1	10
Chlorodibromomethane	<1.0	<1.0	1	10
Chloroethane	<1.12	<1.12	1	50
2-Chloroethylvinyl Ether	<1.0	<1.0	1	10
Chloroform	<1.0	<1.0	1	10
Dichlorobromomethane [Bromodichloromethane]	<1.0	<1.0	1	10
1,1-Dichloroethane	<1.0	<1.0	1	10
1,2-Dichloroethane	<1.0	<1.0	1	10
1,1-Dichloroethylene	<1.0	<1.0	1	10
1,2-Dichloropropane	<1.0	<1.0	1	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<1.0	<1.0	1	10
1,2-Trans-Dichloroethylene	<1.0	<1.0	1	10
Ethylbenzene	<1.0	<1.0	1	10
Methyl Bromide	<1.0	<1.0	1	50
Methyl Chloride	<1.0	<1.0	1	50
Methylene Chloride	<1.02	<1.02	1	20
1,1,2,2-Tetrachloroethane	<1.0	<1.0	1	10
Tetrachloroethylene	<1.0	<1.0	1	10
Toluene	<1.0	<1.0	1	10
1,1,1-Trichloroethane	<1.0	<1.0	1	10
1,1,2-Trichloroethane	<1.0	<1.0	1	10
Trichloroethylene	<1.0	<1.0	1	10
Vinyl Chloride	<1.0	<1.0	1	10

Table 4.0(2)C – Acid Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
2-Chlorophenol	<0.983	<0.983	1	10
2,4-Dichlorophenol	<0.983	<0.983	1	10
2,4-Dimethylphenol	<2.36	<2.36	1	10
4,6-Dinitro-o-Cresol	<7.87	<7.87	1	50
2,4-Dinitrophenol	<8.85	<8.85	1	50
2-Nitrophenol	<0.983	<0.983	1	20
4-Nitrophenol	<0.983	<0.983	1	50
P-Chloro-m-Cresol	<2.36	<2.36	1	10
Pentalchlorophenol	<0.983	<0.983	1	5
Phenol	<1.47	<1.47	1	10
2,4,6-Trichlorophenol	<0.983	<0.983	1	10

Table 4.0(2)D – Base/Neutral Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acenaphthene	<0.983	<0.983	1	10
Acenaphthylene	<0.983	<0.983	1	10
Anthracene	<0.983	<0.983	1	10
Benzidine	<19.7	<19.7	1	50
Benzo(a)Anthracene	<0.983	<0.983	1	5
Benzo(a)Pyrene	<0.983	<0.983	1	5
3,4-Benzofluoranthene	<0.983	<0.983	1	10
Benzo(ghi)Perylene	<0.983	<0.983	1	20
Benzo(k)Fluoranthene	<0.983	<0.983	1	5
Bis(2-Chloroethoxy)Methane	<0.983	<0.983	1	10
Bis(2-Chloroethyl)Ether	<0.983	<0.983	1	10
Bis(2-Chloroisopropyl)Ether	<0.983	<0.983	1	10
Bis(2-Ethylhexyl)Phthalate	<7.37	<7.37	1	10
4-Bromophenyl Phenyl Ether	<0.983	<0.983	1	10
Butyl benzyl Phthalate	<7.37	<7.37	1	10
2-Chloronaphthalene	<0.983	<0.983	1	10
4-Chlorophenyl phenyl ether	<0.983	<0.983	1	10
Chrysene	<0.983	<0.983	1	5
Dibenzo(a,h)Anthracene	<0.983	<0.983	1	5
1,2-(o)Dichlorobenzene	<0.983	<0.983	1	10
1,3-(m)Dichlorobenzene	<0.983	<0.983	1	10
1,4-(p)Dichlorobenzene	<0.983	<0.983	1	10
3,3-Dichlorobenzidine	<4.92	<4.92	1	5
Diethyl Phthalate	<5.6	<5.6	1	10
Dimethyl Phthalate	<4.72	<4.72	1	10
Di-n-Butyl Phthalate	<7.37	<7.37	1	10
2,4-Dinitrotoluene	<3.44	<3.44	1	10
2,6-Dinitrotoluene	<0.983	<0.983	1	10
Di-n-Octyl Phthalate	<0.983	<0.983	1	10
1,2-Diphenylhydrazine (as Azo-benzene)	<0.983	<0.983	1	20
Fluoranthene	<0.983	<0.983	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Fluorene	<0.983	<0.983	1	10
Hexachlorobenzene	<0.983	<0.983	1	5
Hexachlorobutadiene	<0.983	<0.983	1	10
Hexachlorocyclo-pentadiene	<8.85	<8.85	1	10
Hexachloroethane	<0.983	<0.983	1	20
Indeno(1,2,3-cd)pyrene	<0.983	<0.983	1	5
Isophorone	<0.983	<0.983	1	10
Naphthalene	<0.983	<0.983	1	10
Nitrobenzene	<0.983	<0.983	1	10
N-Nitrosodimethylamine	<0.983	<0.983	1	50
N-Nitrosodi-n-Propylamine	<0.983	<0.983	1	20
N-Nitrosodiphenylamine	<0.983	<0.983	1	20
Phenanthrene	<0.983	<0.983	1	10
Pyrene	<0.983	<0.983	1	10
1,2,4-Trichlorobenzene	<0.983	<0.983	1	10

Table 4.0(2)E – Pesticides

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Aldrin	<0.0099	<0.0099	1	0.01
alpha-BHC (Hexachlorocyclohexane)	<0.0099	<0.0099	1	0.05
beta-BHC (Hexachlorocyclohexane)	<0.0099	<0.0099	1	0.05
gamma-BHC (Hexachlorocyclohexane)	<0.0099	<0.0099	1	0.05
delta-BHC (Hexachlorocyclohexane)	<0.0099	<0.0099	1	0.05
Chlordane	<0.198	<0.198	1	0.2
4,4-DDT	<0.0099	<0.0099	1	0.02
4,4-DDE	<0.0099	<0.0099	1	0.1
4,4,-DDD	<0.0099	<0.0099	1	0.1
Dieldrin	<0.0099	<0.0099	1	0.02
Endosulfan I (alpha)	<0.0099	<0.0099	1	0.01
Endosulfan II (beta)	<0.0099	<0.0099	1	0.02
Endosulfan Sulfate	<0.0099	<0.0099	1	0.1
Endrin	<0.0099	<0.0099	1	0.02
Endrin Aldehyde	<0.0099	<0.0099	1	0.1
Heptachlor	<0.0099	<0.0099	1	0.01
Heptachlor Epoxide	<0.0099	<0.0099	1	0.01
PCB-1242	<0.198	<0.198	1	0.2
PCB-1254	<0.198	<0.198	1	0.2
PCB-1221	<0.198	<0.198	1	0.2
PCB-1232	<0.198	<0.198	1	0.2
PCB-1248	<0.198	<0.198	1	0.2
PCB-1260	<0.198	<0.198	1	0.2
PCB-1016	<0.2	<0.2	1	0.2
Toxaphene	<0.198	<0.198	1	0.3

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

Section 3. Dioxin/Furan Compounds

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

☐ 2,4,5-trichlorophenoxy acetic acid

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

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

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

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

Common Name Erbon, CASRN 136-25-4

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

Common Name Ronnel, CASRN 299-84-3

☐ 2,4,5-trichlorophenol

Common Name TCP, CASRN 95-95-4

☐ hexachlorophene

Common Name HCP, CASRN 70-30-4

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

Click to enter text.

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

☐ Yes ☐ No

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

Click to enter text.

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

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

Grab ☐ Composite ☐

Date and time sample(s) collected: Click to enter text.

Table 4.0(2)F – Dioxin/Furan Compounds

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 5.0: TOXICITY TESTING REQUIREMENTS

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

This worksheet is not required minor amendments without renewal.

Section 1. Required Tests (Instructions Page 88)

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

7-day Chronic: Click to enter text.

48-hour Acute: 19

Section 2. Toxicity Reduction Evaluations (TREs)

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

☐ Yes ☒ No

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

Click to enter text.

Section 3. Summary of WET Tests

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

Table 5.0(1) Summary of WET Tests

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal
DMRs have been submitted			

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

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

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

B. Treatment plant interference

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

☐ Yes ☒ No

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

N/A

C. Treatment plant pass through

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

☐ Yes ☒ No

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

N/A

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

If yes, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

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: See Attachment F

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

A. Substantial modifications

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

☐ Yes ☐ No

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

Click to enter text.

B. Non-substantial modifications

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

☐ Yes ☐ No

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

Click to enter text.

C. Effluent parameters above the MAL

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

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date

D. Industrial user interruptions

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

☐ Yes ☐ No

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

Click to enter text.

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

A. General information

Company Name: No SIUs present

SIC Code: Click to enter text.

Contact name: Click to enter text.

Address: Click to enter text.

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

Telephone number: Click to enter text.

Email address: Click to enter text.

B. Process information

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

N/A

C. Product and service information

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

N/A

D. Flow rate information

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

Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the *i*nstructions?

☐ Yes ☐ No

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

☐ Yes ☐ No

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

Category: Subcategories: Click to enter text.

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

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

F. Industrial user interruptions

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

☐ Yes ☒ No

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

N/A

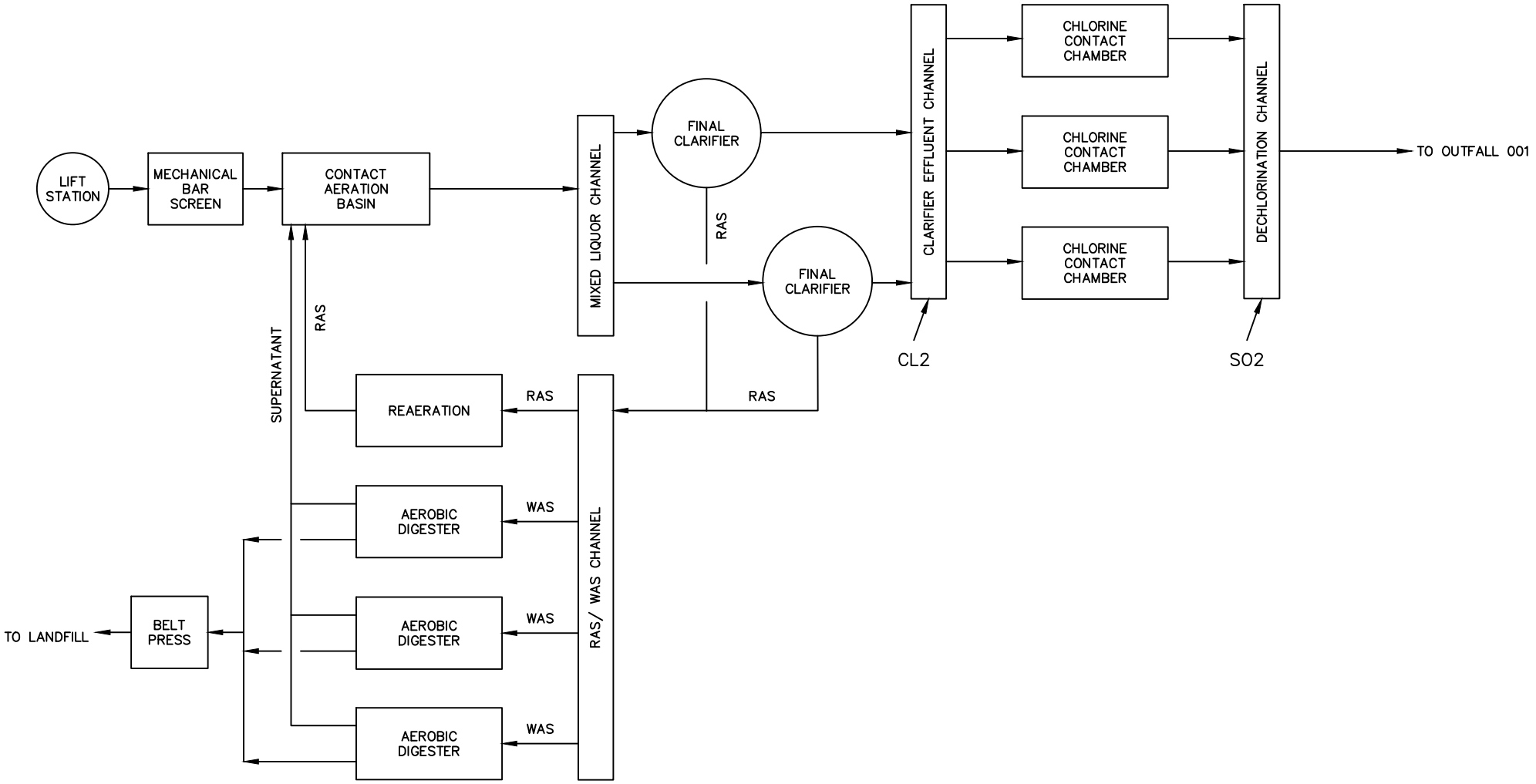
ATTACHMENT E

FLOW SCHEMATICS

CITY OF WHARTON
WASTEWATER TREATMENT PLANT NO. 1

JULY 2024

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337



CITY OF WHARTON
WASTEWATER TREATMENT PLANT No. 1
TPDES Permit NO. WQ0010381001

WHARTON COUNTY, TEXAS
JUNE 2024

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Reg. No. F-23290
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

ATTACHMENT H

FINAL EFFLUENT ANALYSIS

CITY OF WHARTON
WASTEWATER TREATMENT PLANT NO. 1

JULY 2024

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

Email information for report date:
6/18/24 09:05

H015650

Wharton, City of

Attn: Amy Horelica
ahorelica@cityofwharton.com

120 East Caney
Wharton, TX 77488

Please contact us for your sampling needs or if you have any questions. Some convenient contacts are listed below. You can also access your results and reports through our ClientConnect ™ portal on our website (www.aqua-techlabs.com).

For sampling questions:

samplingbryan@aqua-techlabs.com (Bryan area)
samplingaustin@aqua-techlabs.com (Austin area)

reporting@aqua-techlabs.com (report questions)

Aqua-Tech values you as a customer and encourages you to speak with our staff at 979-778-3707 or the above emails if you have questions.

Thank you for your business,
June M. Brien
Executive Technical Director

BRYAN FACILITY
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Fax: (979) 778-3193

AQUA-TECH LABORATORIES

AUSTIN FACILITY
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Phone: (512) 301-9559
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The analyses summarized in this report were performed by Aqua-Tech Laboratories, Inc. unless otherwise noted. Aqua-Tech Laboratories, Inc. holds accreditation from the State of Texas in accordance with TNI and/or through the TCEQ Drinking Water Commercial Laboratory Approval Program.

The following abbreviations indicate certification status:

NEL	TNI accredited parameter.
ANR	Accreditation not offered by the State of Texas.
DWP	Approval through the TCEQ Drinking Water Commercial Laboratory Approval Program.
INF	Aqua-Tech Laboratories, Inc. is not accredited for this parameter. It is reported on an informational basis only.

Subcontracted data summarized in this report is indicated by "Sub" in the Lab column.

Certificate: T104704371-23-27

TCEQ Lab ID T104704371

General Definitions:

NR	Not Reported.
RPD	Relative Percent Difference.
% R	Percent Recovery.
dry	Results with the "dry" unit designation are reported on a "dry weight" basis.
SQL	The Sample Quantitation Limit is the value below which the parameter cannot reliably be detected. The SQL includes all sample preparations, dilutions and / or concentrations.
Adj MDL	The Adjusted Method Detection Limit is the MDL value adjusted for any sample dilutions or concentrations .
MDL	The Method Detection Limit is the lowest theoretical value that is statistically different from zero for a specific method, taking into account all preparation steps and instrument settings.

All samples are reported on an "as received" basis unless the designation "dry" is added to the reported unit.

Copies of Aqua-Tech Laboratories, Inc. procedures and individual sampling plans are available upon request. Note that samples are collected by Aqua-Tech Laboratories, Inc. personnel unless otherwise noted in the "Sample Collected" field of this report as "Client" or "CLT".

Samples included in this report were received in acceptable condition according to Aqua-Tech Laboratories, Inc. procedures and 40 CFR, Chapter I, Subchapter D, Part 136.3, TABLE II. - *Required containers, preservation techniques, and holding times*, unless otherwise noted in this report.

Record Retention:

All reports, raw data, and associated quality control data are kept on file for 10 years before being destroyed. Any client that would like copies of records must contact Aqua-Tech Laboratories, Inc. no later than six months prior to the scheduled disposal. An administrative fee for retrieval and distribution will apply.

This report was approved by:

June M. Brien, Technical Director

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Analytical Report

Wharton, City of

Report Printed: **6/18/24** **9:05**

H015650

Wharton WWTP 1 - Permit Renewal

Collected: 05/13/24 08:20 by James R Fritz
Received: 05/13/24 13:24 by James R Fritz

Type: Grab
Matrix: Non Potable
C-O-C #: H015650

Lab ID# H015650-01

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Field Parameters											
Field pH	**7.2**	pH Units		0.01	0.01	0.1	*Bryan*	At Collection	SM4500-H+ B 2011	M177091	ANR
Dissolved Oxygen	**6.5**	mg/L		0.1	0.1	0.1	*Bryan*	At Collection	SM4500 O G 2011	M177091	ANR
Temperature	**26.2**	Deg. C		0.1	0.1	0.1	*Bryan*	At Collection	SM2550 B 2000	M177091	ANR
Total Residual Chlorine	**<0.10**	mg Cl as CL2/L			0.10	0.10	*Calc*	At Collection	SM4500-Cl F 2011	[CALC]	ANR
General Chemistry											
Trivalent Chromium	**<0.0036**	mg/L			0.0016	0.0036	*Calc*	05/21/24 22:14 ATG	EPA 200.8 5.4	[CALC]	NEL
Carbonaceous BOD (5 day)	**2**	mg/L		1	1	1	*Bryan*	05/15/24 07:20 CTG	SM5210 B 2016	M177307	NEL
Total Suspended Solids	**2**	mg/L		1	1	1	*Bryan*	05/15/24 11:00 MRH	SM2540 D 2015	M177326	NEL
Total Dissolved Solids	**592**	mg/L		25.0	50.0	50.0	*Bryan*	05/15/24 14:17 MRH	SM2540 C 2015	M177342	NEL
Ammonia as N	**5.90**	mg/L		0.05	0.05	0.05	*Bryan*	05/14/24 12:17 KMA	SM4500-NH3 G 2011	M177282	NEL
Total Kjeldahl Nitrogen as N	**3.60**	mg/L	TKN-R	0.13	0.13	0.20	*Bryan*	05/16/24 13:18 KMA	EPA 351.2 R2.0	M177382	NEL
Nitrate as N	**16**	mg/L			0.17	0.20	*Calc*	05/15/24 11:00 ATG	SM4500-NO3-F 2011	[CALC]	NEL
Nitrite as N	**0.33**	mg/L	G-01	0.004	0.009	0.02	*Bryan*	05/13/24 12:47 ATG	SM4500 NO2- B 2011	M177244	NEL
Nitrate/Nitrite as N	**16**	mg/L		0.02	0.17	0.20	*Bryan*	05/15/24 11:00 KMA	SM4500-NO3-F 2011	M177331	ANR
Hexavalent Chromium	**<3.0**	ug/L		1.6	1.6	3.0	*Bryan*	05/14/24 08:00 ATG	USGS I 1230-85	M177262	NEL
Total Alkalinity as CaCO3 (pH4.5)	**160**	mg/L		5.00	20.0	20.0	*Bryan*	05/16/24 10:50 ATG	SM2320 B 2011	M177395	NEL
Oil & Grease (HEM)	**<4.9**	mg/L		4.4	4.9	4.9	*Bryan*	05/16/24 10:02 HDH	EPA 1664B	M177372	NEL
Chloride	**122**	mg/L		2.53	10.1	20.0	*Bryan*	05/14/24 11:13 ATG	SM4500-Cl- B 2011	M177278	NEL
Fluoride	**0.26**	mg/L		0.04	0.10	0.10	*Bryan*	05/15/24 07:58 ATG	SM4500-F C 2011	M177310	NEL
Sulfate as SO4(2-)	**47.7**	mg/L		2.63	10.5	20.0	*Austin*	05/20/24 09:22 KFB	ASTM D0516-16	M177516	NEL
Specific Conductance (adjusted to 25.0°C)	**738**	uS/cm	C-02	2.00	2.00	2.00	*Bryan*	05/14/24 10:04 ATG	SM2510 B 2011	M177272	NEL
Microbiological Analyses											
E. Coli	**<1.0**	MPN/100 mL		1.0	1.0	1.0	*Bryan*	05/13/24 15:19 ATA	SM9223 B 2004	M177254	NEL

Results run by SM 9223B are reported as MPN (Most Probable Number). MPN is comparable to CFU (Colony Forming Units). Both MPN and CFU are allowed in most permits.

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H015650-01 continued	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Aluminum	**21.3**	ug/L		0.299	0.374	1.25	*Bryan*	05/21/24 22:14 ABM	EPA 200.8 R5.4	M177377	NEL
Antimony	**<0.625**	ug/L	J (0.287)	0.030	0.038	0.625	*Bryan*	05/21/24 22:14 ABM	EPA 200.8 R5.4	M177377	NEL
Arsenic	**2.89**	ug/L		0.032	0.040	0.500	*Bryan*	05/21/24 22:14 ABM	EPA 200.8 R5.4	M177377	NEL
Barium	**115**	ug/L		0.065	0.081	0.625	*Bryan*	05/21/24 22:14 ABM	EPA 200.8 R5.4	M177377	NEL
Beryllium	**<0.500**	ug/L		0.051	0.064	0.500	*Bryan*	05/21/24 22:14 ABM	EPA 200.8 R5.4	M177377	NEL
Cadmium	**<0.625**	ug/L		0.056	0.070	0.625	*Bryan*	05/21/24 22:14 ABM	EPA 200.8 R5.4	M177377	NEL
Chromium	**1.39**	ug/L		0.029	0.036	0.625	*Bryan*	05/21/24 22:14 ABM	EPA 200.8 R5.4	M177377	NEL
Copper	**4.78**	ug/L		0.029	0.036	0.625	*Bryan*	05/21/24 22:14 ABM	EPA 200.8 R5.4	M177377	NEL
Lead	**<0.500**	ug/L	J (0.130)	0.005	0.006	0.500	*Bryan*	05/21/24 22:14 ABM	EPA 200.8 R5.4	M177377	NEL
Nickel	**3.46**	ug/L		0.039	0.049	0.625	*Bryan*	05/21/24 22:14 ABM	EPA 200.8 R5.4	M177377	NEL
Phosphorus-Total	**2.65**	mg/L		0.082	0.041	0.050	*Bryan*	05/23/24 16:48 ABM	EPA 200.7 R4.4	M177571	NEL
Selenium	**0.921**	ug/L		0.136	0.170	0.625	*Bryan*	05/21/24 22:14 ABM	EPA 200.8 R5.4	M177377	NEL
Thallium	**<0.500**	ug/L		0.073	0.091	0.500	*Bryan*	05/21/24 22:14 ABM	EPA 200.8 R5.4	M177377	INF
Zinc	**40.8**	ug/L		0.379	0.474	0.625	*Bryan*	05/21/24 22:14 ABM	EPA 200.8 R5.4	M177377	NEL

H015650-01 - re-analysis	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
General Chemistry											
Trivalent Chromium	**<0.075**	mg/L			0.040	0.075	*Calc*	05/14/24 08:00 ATG	EPA 200.8 5.4	[CALC]	NEL

Please see the attached subcontract report for subcontracted data.

Wharton WWTP 1 - Permit Renewal LL Hg DUP

Collected: 05/13/24 08:31 by James R Fritz
Received: 05/13/24 13:24 by James R Fritz

Type: Grab
Matrix: Non Potable
C-O-C #: H015650

Lab ID# H015650-02	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch

Please see the attached subcontract report for subcontracted data.

Explanation of Notes

C-02	Result confirmed by re-analysis.
G-01	This sample was added to an analytical run already in progress. See the prep time for when this sample was added.
J	Analyte detected below the SQL but above the MDL.
TKN-R	The ratio results for ammonia and TKN are outside normal parameters. The TKN may be biased low due to high nitrate content.

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AQUA-TECH LABORATORIES

AUSTIN FACILITY
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Analytical Report

Wharton, City of

Report Printed: **6/18/24** **9:05**

H015650

Field Parameters - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch	
Dissolved Oxygen - SM4500 O G 2011														*Bryan*
Duplicate	6.5	mg/L		0.1	0.1	05/13/24 08:20 JRF		6.5			0.461	10	M177091	
Field pH - SM4500-H+ B 2011														*Bryan*
Duplicate	7.2	pH Units		0.01	0.1	05/13/24 08:20 JRF		7.2			0.139	1.19	M177091	
Temperature - SM2550 B 2000														*Bryan*
Duplicate	26.2	Deg. C		0.1	0.1	05/13/24 08:20 JRF		26.2			0.00	6.26	M177091	

General Chemistry - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch	
Ammonia as N - SM4500-NH3 G 2011														*Bryan*
Initial Cal Check	5.15	mg/L				05/14/24 12:17 KMA	5.00		103	90 - 110			2405164	
Low Cal Check	0.47	mg/L				05/14/24 12:17 KMA	0.500		94.4	70 - 130			2405164	
Blank	<0.05	mg/L		0.05	0.05	05/14/24 12:17 KMA							M177282	
LCS	2.06	mg/L		0.05	0.05	05/14/24 12:17 KMA	2.00		103	85 - 115			M177282	
LCS Dup	2.08	mg/L		0.05	0.05	05/14/24 12:17 KMA	2.00		104	85 - 115	0.967	20	M177282	
Matrix Spike	89.6	mg/L		0.47	0.51	05/14/24 12:17 KMA	20.0	69.0	103	70 - 130			M177282	
Matrix Spike Dup	89.9	mg/L		0.47	0.51	05/14/24 12:17 KMA	20.0	69.0	105	70 - 130	1.43	20	M177282	
Carbonaceous BOD (5 day) - SM5210 B 2016														*Bryan*
Diln Water Blk	<0.20	mg/L		1	1	05/15/24 07:20 CTG		0.1		< or = 0.2 mg/L			2405173	
GGA	186	mg/L		1	1	05/15/24 07:20 CTG	198		93.9	76 - 110			2405173	
GGA	186	mg/L		1	1	05/15/24 07:20 CTG	198		93.9	76 - 110			2405173	
Seed Blank	<1	mg/L		1	1	05/15/24 07:20 CTG							2405173	
Seed Blank	<1	mg/L		1	1	05/15/24 07:20 CTG							2405173	
Duplicate	<1	mg/L		1	1	05/15/24 07:20 CTG		<1				21	M177307	
Chloride - SM4500-Cl- B 2011														*Bryan*
Initial Cal Check	51.1	mg/L				05/14/24 11:13 ATG	50.0		102	90 - 110			2405162	
Low Cal Check	4.11	mg/L				05/14/24 11:13 ATG	4.94		83.2	70 - 130			2405162	
Blank	<5.00	mg/L		2.53	5.00	05/14/24 11:13 ATG							M177278	
LCS	21.0	mg/L		2.53	5.00	05/14/24 11:13 ATG	19.8		106	90 - 110			M177278	
LCS Dup	21.5	mg/L		2.53	5.00	05/14/24 11:13 ATG	19.8		109	90 - 110	2.15	5.08	M177278	
Matrix Spike	237	mg/L		10.1	20.0	05/14/24 11:13 ATG	79.0	157	102	87.7 - 109			M177278	
Matrix Spike Dup	234	mg/L		10.1	20.0	05/14/24 11:13 ATG	79.0	157	97.0	87.7 - 109	4.65	8.87	M177278	

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General Chemistry - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch	
Fluoride - SM4500-F C 2011														*Bryan*
Initial Cal Check	0.40	mg/L				05/15/24 07:58 ATG	0.390		102	90 - 110			2405176	
MRL	0.10	mg/L				05/15/24 07:58 ATG	0.0997		96.6	70 - 130			2405176	
Blank	<0.10	mg/L		0.10	0.10	05/15/24 07:58 ATG							M177310	
LCS	0.81	mg/L		0.10	0.10	05/15/24 07:58 ATG	0.798		101	90 - 110			M177310	
LCS Dup	0.80	mg/L		0.10	0.10	05/15/24 07:58 ATG	0.798		99.9	90 - 110	1.25	10	M177310	
Matrix Spike	1.00	mg/L		0.10	0.10	05/15/24 07:58 ATG	0.798	0.26	93.3	85 - 126			M177310	
Matrix Spike Dup	1.01	mg/L		0.10	0.10	05/15/24 07:58 ATG	0.798	0.26	94.5	85 - 126	1.34	10	M177310	
Hexavalent Chromium - USGS I 1230-85														*Bryan*
Initial Cal Check	36	ug/L				01/25/24 07:27 ATG	36.7		99.4	90 - 110			2401265	
Initial Cal Check	34	ug/L				05/14/24 08:00 ATG	36.7		92.5	90 - 110			2405158	
Low Cal Check	2.5	ug/L				05/14/24 08:00 ATG	3.00		82.1	70 - 130			2405158	
Blank	<3.0	ug/L		1.6	3.0	05/14/24 08:00 ATG							M177262	
LCS	51	ug/L		1.6	3.0	05/14/24 08:00 ATG	61.2		83.5	81.7 - 125			M177262	
LCS Dup	51	ug/L		1.6	3.0	05/14/24 08:00 ATG	61.2		83.0	81.7 - 125	0.502	8.13	M177262	
Matrix Spike	1300	ug/L		40	75	05/14/24 08:00 ATG	1530	<75	82.6	50 - 150			M177262	
Matrix Spike Dup	1300	ug/L		40	75	05/14/24 08:00 ATG	1530	<75	83.5	50 - 150	1.01	15	M177262	
Nitrate/Nitrite as N - SM4500-NO3-F 2011														*Bryan*
Initial Cal Check	0.99	mg/L				05/15/24 11:00 KMA	0.959		103	90 - 110			2405089	
Low Cal Check	0.02	mg/L				05/15/24 11:00 KMA	0.0200		105	70 - 130			2405089	
Blank	<0.02	mg/L		0.02	0.02	05/15/24 11:00 KMA							M177331	
LCS	0.50	mg/L		0.02	0.02	05/15/24 11:00 KMA	0.500		100	89.5 - 111			M177331	
LCS Dup	0.50	mg/L		0.02	0.02	05/15/24 11:00 KMA	0.500		100	89.5 - 111	0.00	10	M177331	
Matrix Spike	18	mg/L		0.17	0.20	05/15/24 11:00 KMA	5.00	13	107	80.1 - 118			M177331	
Matrix Spike Dup	18	mg/L		0.17	0.20	05/15/24 11:00 KMA	5.00	13	107	80.1 - 118	0.0187	10	M177331	
Nitrite as N - SM4500 NO2- B 2011														*Bryan*
Initial Cal Check	0.07	mg/L				05/13/24 12:47 ATG	0.0695		102	90 - 110			2405154	
MRL	0.01	mg/L				05/13/24 12:47 ATG	0.0100		99.0	70 - 130			2405154	
Blank	<0.01	mg/L		0.004	0.01	05/13/24 12:47 ATG							M177244	
LCS	0.05	mg/L		0.004	0.01	05/13/24 12:47 ATG	0.0500		96.2	90 - 110			M177244	
LCS Dup	0.05	mg/L		0.004	0.01	05/13/24 12:47 ATG	0.0500		95.5	90 - 110	0.718	10	M177244	
Matrix Spike	0.95	mg/L		0.09	0.25	05/13/24 12:47 ATG	1.25	<0.25	76.3	75 - 115			M177244	
Matrix Spike Dup	0.97	mg/L		0.09	0.25	05/13/24 12:47 ATG	1.25	<0.25	77.6	75 - 115	1.79	10	M177244	
Initial Cal Check	0.07	mg/L				10/11/23 06:12 ATG	0.0660		102	90 - 110			2310107	

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General Chemistry - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch	
Oil & Grease (HEM) - EPA 1664B														*Bryan*
Blank	<5.0	mg/L		5.0	5.0	05/16/24 10:02 HDH							M177372	
LCS	35.9	mg/L		4.9	4.9	05/16/24 10:02 HDH	39.2		91.8	78 - 114			M177372	
LCS Dup	34.2	mg/L		4.9	4.9	05/16/24 10:02 HDH	39.4		86.8	78 - 114	5.59	200	M177372	
Matrix Spike	34.3	mg/L		5.0	5.0	05/16/24 10:02 HDH	40.0	<5.0	85.8	78 - 114			M177372	
Specific Conductance (adjusted to 25.0°C) - SM2510 B 2011														*Bryan*
Initial Cal Check	624	uS/cm				05/14/24 10:04 ATG	618		101	90 - 110			2405161	
Blank	<2.00	uS/cm		2.00	2.00	05/14/24 10:04 ATG							M177272	
Duplicate	755	uS/cm		2.00	2.00	05/14/24 10:04 ATG		738			2.28	10	M177272	
LCS	1490	uS/cm		2.00	2.00	05/14/24 10:04 ATG	1410		106	90 - 110			M177272	
Sulfate as SO4(2-) - ASTM D0516-16														*Austin*
Initial Cal Check	28.9	mg/L				05/19/23 13:33 BEB	30.0		96.4	85 - 115			2305280	
Initial Cal Check	32.5	mg/L				05/20/24 09:22 KFB	30.0		108	90 - 110			2405234	
Low Cal Check	4.99	mg/L				05/20/24 09:22 KFB	5.00		99.9	70 - 130			2405234	
Blank	<5.00	mg/L		2.63	5.00	05/20/24 09:22 KFB							M177516	
Duplicate	122	mg/L		17.5	33.3	05/20/24 09:22 KFB		119			3.01	11.8	M177516	
LCS	10.4	mg/L		2.63	5.00	05/20/24 09:22 KFB	10.0		104	85 - 115			M177516	
Matrix Spike	195	mg/L		17.5	33.3	05/20/24 09:22 KFB	66.7	119	115	67.7 - 129			M177516	
Matrix Spike Dup	194	mg/L		17.5	33.3	05/20/24 09:22 KFB	66.7	119	113	67.7 - 129	1.31	15	M177516	
MRL Check	<5.00	mg/L	*J (4.99)*	2.63	5.00	05/20/24 09:22 KFB	5.00		99.9	70 - 130			M177516	
Total Alkalinity as CaCO3 (pH4.5) - SM2320 B 2011														*Bryan*
Initial Cal Check	6.88	mg/L				05/16/24 10:50 ATG	6.86		100	98 - 102			2405196	
Initial Cal Check	9.14	mg/L				05/16/24 10:50 ATG	9.18		99.6	98 - 102			2405196	
Low Cal Check	20.0	mg/L				05/16/24 10:50 ATG	19.0		105	70 - 130			2405196	
Duplicate	164	mg/L		20.0	20.0	05/16/24 10:50 ATG		160			2.47	10	M177395	
LCS	80.0	mg/L		20.0	20.0	05/16/24 10:50 ATG	76.0		105	90 - 110			M177395	
LCS Dup	78.0	mg/L		20.0	20.0	05/16/24 10:50 ATG	76.0		103	90 - 110	2.53	10	M177395	
Total Dissolved Solids - SM2540 C 2015														*Bryan*
Blank	<25.0	mg/L		25.0	25.0	05/15/24 14:17 MRH							M177342	
Duplicate	804	mg/L		50.0	50.0	05/15/24 14:17 MRH		810			0.743	10	M177342	
Reference	500	mg/L		100	100	05/15/24 14:17 MRH	500		100	78 - 122			M177342	

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General Chemistry - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch	
Total Kjeldahl Nitrogen as N - EPA 351.2 R2.0														*Bryan*
Initial Cal Check	4.54	mg/L				05/16/24 13:18 KMA	4.56		99.5	90 - 110			2405202	
Low Cal Check	0.22	mg/L				05/16/24 13:18 KMA	0.200		110	70 - 130			2405202	
Blank	<0.20	mg/L		0.13	0.20	05/16/24 13:18 KMA							M177382	
LCS	4.18	mg/L		0.13	0.20	05/16/24 13:18 KMA	4.00		105	87.4 - 119			M177382	
LCS Dup	4.12	mg/L		0.13	0.20	05/16/24 13:18 KMA	4.00		103	87.4 - 119	1.45	5.44	M177382	
Matrix Spike	5.10	mg/L		0.13	0.20	05/16/24 13:18 KMA	4.00	1.46	91.1	62.1 - 130			M177382	
Matrix Spike Dup	4.96	mg/L		0.13	0.20	05/16/24 13:18 KMA	4.00	1.46	87.7	62.1 - 130	3.75	17.5	M177382	
Total Suspended Solids - SM2540 D 2015														*Bryan*
Blank	<1	mg/L		1	1	05/15/24 11:00 MRH							M177326	
Duplicate	9920	mg/L		400	400	05/15/24 11:00 MRH		9920			0.00	20	M177326	
Reference	100	mg/L		10	10	05/15/24 11:00 MRH	100		100	80 - 120			M177326	

Metals (Total) - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch	
Aluminum - EPA 200.8 R5.4														*Bryan*
Blank	<1.25	ug/L		0.374	1.25	05/21/24 20:46 ABM							M177377	
LCS	106	ug/L		0.374	1.25	05/21/24 20:52 ABM	105		101	84.5 - 115.4			M177377	
LCS Dup	103	ug/L		0.374	1.25	05/21/24 20:59 ABM	105		98.2	84.5 - 115.4	2.69	20	M177377	
Duplicate	20.3	ug/L		0.374	1.25	05/21/24 21:06 ABM		21.3			4.77	20	M177377	
Matrix Spike	131	ug/L		0.374	1.25	05/21/24 21:13 ABM	105	21.3	105	69.5 - 130.4			M177377	
Antimony - EPA 200.8 R5.4														*Bryan*
Blank	<0.625	ug/L		0.038	0.625	05/21/24 20:46 ABM							M177377	
LCS	9.95	ug/L		0.038	0.625	05/21/24 20:52 ABM	10.0		99.5	84.5 - 115.4			M177377	
LCS Dup	9.87	ug/L		0.038	0.625	05/21/24 20:59 ABM	10.0		98.7	84.5 - 115.4	0.853	20	M177377	
Duplicate	<0.625	ug/L	*J (0.269)*	0.038	0.625	05/21/24 21:06 ABM		<0.625			6.27	20	M177377	
Matrix Spike	10.5	ug/L		0.038	0.625	05/21/24 21:13 ABM	10.0	0.287	102	69.5 - 130.4			M177377	
Arsenic - EPA 200.8 R5.4														*Bryan*
Blank	<0.500	ug/L		0.040	0.500	05/21/24 20:46 ABM							M177377	
LCS	10.2	ug/L		0.040	0.500	05/21/24 20:52 ABM	10.0		102	84.5 - 115.4			M177377	
LCS Dup	11.4	ug/L		0.040	0.500	05/21/24 20:59 ABM	10.0		114	84.5 - 115.4	11.4	20	M177377	
Duplicate	2.64	ug/L		0.040	0.500	05/21/24 21:06 ABM		2.89			9.01	20	M177377	
Matrix Spike	14.1	ug/L		0.040	0.500	05/21/24 21:13 ABM	10.0	2.89	112	69.5 - 130.4			M177377	

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Metals (Total) - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch	
Barium - EPA 200.8 R5.4														*Bryan*
Blank	<0.625	ug/L		0.081	0.625	05/21/24 20:46 ABM							M177377	
LCS	111	ug/L		0.081	0.625	05/21/24 20:52 ABM	105		106	84.5 - 115.4			M177377	
LCS Dup	109	ug/L		0.081	0.625	05/21/24 20:59 ABM	105		104	84.5 - 115.4	1.90	20	M177377	
Duplicate	116	ug/L		0.081	0.625	05/21/24 21:06 ABM		115			0.954	20	M177377	
Matrix Spike	226	ug/L		0.081	0.625	05/21/24 21:13 ABM	105	115	106	69.5 - 130.4			M177377	
Beryllium - EPA 200.8 R5.4														*Bryan*
Blank	<0.500	ug/L		0.064	0.500	05/21/24 20:46 ABM							M177377	
LCS	9.62	ug/L		0.064	0.500	05/21/24 20:52 ABM	10.0		96.2	84.5 - 115.4			M177377	
LCS Dup	9.39	ug/L		0.064	0.500	05/21/24 20:59 ABM	10.0		93.9	84.5 - 115.4	2.43	20	M177377	
Duplicate	<0.500	ug/L		0.064	0.500	05/21/24 21:06 ABM		<0.500				20	M177377	
Matrix Spike	11.2	ug/L		0.064	0.500	05/21/24 21:13 ABM	10.0	<0.500	112	69.5 - 130.4			M177377	
Cadmium - EPA 200.8 R5.4														*Bryan*
Blank	<0.625	ug/L		0.070	0.625	05/21/24 20:46 ABM							M177377	
LCS	10.6	ug/L		0.070	0.625	05/21/24 20:52 ABM	10.0		106	84.5 - 115.4			M177377	
LCS Dup	10.5	ug/L		0.070	0.625	05/21/24 20:59 ABM	10.0		105	84.5 - 115.4	0.966	20	M177377	
Duplicate	<0.625	ug/L		0.070	0.625	05/21/24 21:06 ABM		<0.625				20	M177377	
Matrix Spike	9.63	ug/L		0.070	0.625	05/21/24 21:13 ABM	10.0	<0.625	96.3	69.5 - 130.4			M177377	
Chromium - EPA 200.8 R5.4														*Bryan*
Blank	<0.625	ug/L	*J (0.067)*	0.036	0.625	05/21/24 20:46 ABM							M177377	
LCS	10.2	ug/L		0.036	0.625	05/21/24 20:52 ABM	10.0		102	84.5 - 115.4			M177377	
LCS Dup	9.97	ug/L		0.036	0.625	05/21/24 20:59 ABM	10.0		99.7	84.5 - 115.4	2.52	20	M177377	
Duplicate	1.43	ug/L		0.036	0.625	05/21/24 21:06 ABM		1.39			3.08	20	M177377	
Matrix Spike	12.1	ug/L		0.036	0.625	05/21/24 21:13 ABM	10.0	1.39	107	69.5 - 130.4			M177377	
Copper - EPA 200.8 R5.4														*Bryan*
Blank	<0.625	ug/L	*J (0.155)*	0.036	0.625	05/21/24 20:46 ABM							M177377	
LCS	60.7	ug/L		0.036	0.625	05/21/24 20:52 ABM	60.0		101	84.5 - 115.4			M177377	
LCS Dup	60.3	ug/L		0.036	0.625	05/21/24 20:59 ABM	60.0		101	84.5 - 115.4	0.661	20	M177377	
Duplicate	4.62	ug/L		0.036	0.625	05/21/24 21:06 ABM		4.78			3.28	20	M177377	
Matrix Spike	60.2	ug/L		0.036	0.625	05/21/24 21:13 ABM	60.0	4.78	92.4	69.5 - 130.4			M177377	

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Lead - EPA 200.8 R5.4														*Bryan*
Blank	<0.500	ug/L		0.006	0.500	05/21/24 20:46 ABM							M177377	
LCS	9.79	ug/L		0.006	0.500	05/21/24 20:52 ABM	10.0		97.9	84.5 - 115.4			M177377	
LCS Dup	9.83	ug/L		0.006	0.500	05/21/24 20:59 ABM	10.0		98.3	84.5 - 115.4	0.400	20	M177377	
Duplicate	<0.500	ug/L	*J (0.135)*	0.006	0.500	05/21/24 21:06 ABM		<0.500			4.00	20	M177377	
Matrix Spike	9.36	ug/L		0.006	0.500	05/21/24 21:13 ABM	10.0	0.130	92.3	69.5 - 130.4			M177377	
Nickel - EPA 200.8 R5.4														*Bryan*
Blank	<0.625	ug/L		0.049	0.625	05/21/24 20:46 ABM							M177377	
LCS	10.0	ug/L		0.049	0.625	05/21/24 20:52 ABM	10.0		100	84.5 - 115.4			M177377	
LCS Dup	9.73	ug/L		0.049	0.625	05/21/24 20:59 ABM	10.0		97.3	84.5 - 115.4	2.80	20	M177377	
Duplicate	3.45	ug/L		0.049	0.625	05/21/24 21:06 ABM		3.46			0.294	20	M177377	
Matrix Spike	12.9	ug/L		0.049	0.625	05/21/24 21:13 ABM	10.0	3.46	94.6	69.5 - 130.4			M177377	
Phosphorus-Total - EPA 200.7 R4.4														*Bryan*
Blank	<0.050	mg/L		0.041	0.050	05/23/24 16:18 ABM							M177571	
LCS	2.31	mg/L		0.041	0.050	05/23/24 16:21 ABM	2.50		92.3	84.5 - 115.4			M177571	
LCS Dup	2.35	mg/L		0.041	0.050	05/23/24 16:24 ABM	2.50		93.9	84.5 - 115.4	1.79	20	M177571	
Duplicate	5.69	mg/L		0.041	0.050	05/23/24 16:27 ABM		4.80			17.1	20	M177571	
Matrix Spike	7.81	mg/L		0.041	0.050	05/23/24 16:31 ABM	2.50	4.80	121	69.5 - 130.4			M177571	
Selenium - EPA 200.8 R5.4														*Bryan*
Blank	<0.625	ug/L		0.170	0.625	05/21/24 20:46 ABM							M177377	
LCS	10.4	ug/L		0.170	0.625	05/21/24 20:52 ABM	10.0		104	84.5 - 115.4			M177377	
LCS Dup	10.5	ug/L		0.170	0.625	05/21/24 20:59 ABM	10.0		105	84.5 - 115.4	0.865	20	M177377	
Duplicate	1.02	ug/L		0.170	0.625	05/21/24 21:06 ABM		0.921			10.6	20	M177377	
Matrix Spike	11.0	ug/L		0.170	0.625	05/21/24 21:13 ABM	10.0	0.921	100	69.5 - 130.4			M177377	
Thallium - EPA 200.8 R5.4														*Bryan*
Blank	<0.500	ug/L		0.091	0.500	05/21/24 20:46 ABM							M177377	
LCS	9.48	ug/L		0.091	0.500	05/21/24 20:52 ABM	10.0		94.8	84.5 - 115.4			M177377	
LCS Dup	9.43	ug/L		0.091	0.500	05/21/24 20:59 ABM	10.0		94.3	84.5 - 115.4	0.552	20	M177377	
Duplicate	<0.500	ug/L		0.091	0.500	05/21/24 21:06 ABM		<0.500				20	M177377	
Matrix Spike	9.13	ug/L		0.091	0.500	05/21/24 21:13 ABM	10.0	<0.500	91.3	69.5 - 130.4			M177377	

BRYAN FACILITY
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AQUA-TECH LABORATORIES

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Fax: (512) 301-9552

Analytical Report

Wharton, City of

Report Printed: **6/18/24** **9:05**

H015650

Metals (Total) - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Zinc - EPA 200.8 R5.4													*Bryan*
Blank	<0.625	ug/L		0.474	0.625	05/21/24 20:46 ABM							M177377
LCS	68.2	ug/L		0.474	0.625	05/21/24 20:52 ABM	60.0		114	84.5 - 115.4			M177377
LCS Dup	68.2	ug/L		0.474	0.625	05/21/24 20:59 ABM	60.0		114	84.5 - 115.4	0.0524	20	M177377
Duplicate	41.8	ug/L		0.474	0.625	05/21/24 21:06 ABM		40.8			2.32	20	M177377
Matrix Spike	102	ug/L		0.474	0.625	05/21/24 21:13 ABM	60.0	40.8	101	69.5 - 130.4			M177377

Microbiological Analyses - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	Log10 Comparison Range	Log10 Comparison Control Limit	Batch
E. Coli - SM9223 B 2004													*Bryan*
Blank	<1.0	MPN/100 mL		1.0	1.0	05/13/24 15:19 ATA							M177254
Dup Log10 Range		MPN/100 mL		1.0	1.0	05/13/24 15:19 ATA					0.041		M177254
Duplicate	25.0	MPN/100 mL		1.0	1.0	05/13/24 15:19 ATA		<1.0				0.5	M177254

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AQUA-TECH LABORATORIES

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Phone: (512) 301-9559
Fax: (512) 301-9552

Analytical Report

Wharton, City of

Report Printed: **6/18/24** **9:05**

H015650

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
H015650-01										
Aluminum	EPA 200.8 R5.4	5/16/24 9:11 ARM	Bryan	K	50.0	mL	25.0	mL	2.5	M177377
Ammonia as N	SM4500-NH3 G 2011	5/14/24 9:30 KMA	Bryan	H	10.0	mL	10.0	mL	1	M177282
Antimony	EPA 200.8 R5.4	5/16/24 9:11 ARM	Bryan	K	50.0	mL	25.0	mL	2.5	M177377
Arsenic	EPA 200.8 R5.4	5/16/24 9:11 ARM	Bryan	K	50.0	mL	25.0	mL	2.5	M177377
Barium	EPA 200.8 R5.4	5/16/24 9:11 ARM	Bryan	K	50.0	mL	25.0	mL	2.5	M177377
Beryllium	EPA 200.8 R5.4	5/16/24 9:11 ARM	Bryan	K	50.0	mL	25.0	mL	2.5	M177377
Cadmium	EPA 200.8 R5.4	5/16/24 9:11 ARM	Bryan	K	50.0	mL	25.0	mL	2.5	M177377
Carbonaceous BOD (5 day)	SM5210 B 2016	5/15/24 7:20 CTG	Bryan	L	300	mL	300	mL	1	M177307
Chloride	SM4500-Cl- B 2011	5/14/24 11:13 ATG	Bryan	I	25.0	mL	100	mL	1	M177278
Chromium	EPA 200.8 R5.4	5/16/24 9:11 ARM	Bryan	K	50.0	mL	25.0	mL	2.5	M177377
Copper	EPA 200.8 R5.4	5/16/24 9:11 ARM	Bryan	K	50.0	mL	25.0	mL	2.5	M177377
E. Coli	SM9223 B 2004	5/13/24 15:15 ATA	Bryan	A	100	mL	100	mL	1	M177254
Fluoride	SM4500-F C 2011	5/15/24 7:58 ATG	Bryan	I	25.0	mL	25.0	mL	1	M177310
Hexavalent Chromium	USGS I 1230-85	5/14/24 8:00 ATG	Bryan	P	25.0	mL	25.0	mL	1	M177262
Lead	EPA 200.8 R5.4	5/16/24 9:11 ARM	Bryan	K	50.0	mL	25.0	mL	2.5	M177377
Nickel	EPA 200.8 R5.4	5/16/24 9:11 ARM	Bryan	K	50.0	mL	25.0	mL	2.5	M177377
Nitrate/Nitrite as N	SM4500-NO3-F 2011	5/15/24 9:30 KMA	Bryan	H	1.00	mL	10.0	mL	1	M177331
Nitrite as N	SM4500 NO2- B 2011	5/13/24 13:30 ATG	Bryan	C	10.0	mL	25.0	mL	1	M177244
Oil & Grease (HEM)	EPA 1664B	5/16/24 10:02 HDH	Bryan	F	1010	mL	1000	mL	1	M177372
Phosphorus-Total	EPA 200.7 R4.4	5/21/24 14:20 ABM	Bryan	H	50.0	mL	25.0	mL	1	M177571
Selenium	EPA 200.8 R5.4	5/16/24 9:11 ARM	Bryan	K	50.0	mL	25.0	mL	2.5	M177377
Specific Conductance (adjusted to 25.0°C)	SM2510 B 2011	5/14/24 10:04 ATG	Bryan	I	25.0	mL	25.0	mL	1	M177272
Subcontract	Sub Contract Data Entry	6/11/24 17:09 PMY	Bryan	-	-	-	-	-	-	M178505
Sulfate as SO4(2-)	ASTM D0516-16	5/20/24 9:22 KFB	Austin	C	25.0	mL	100	mL	1	M177516
Thallium	EPA 200.8 R5.4	5/16/24 9:11 ARM	Bryan	K	50.0	mL	25.0	mL	2.5	M177377
Total Alkalinity as CaCO3 (pH4.5)	SM2320 B 2011	5/16/24 10:50 ATG	Bryan	J	50.0	mL	200	mL	1	M177395
Total Dissolved Solids	SM2540 C 2015	5/15/24 14:17 MRH	Bryan	B	50.0	mL	100	mL	1	M177342
Total Kjeldahl Nitrogen as N	EPA 351.2 R2.0	5/16/24 9:31 KMA	Bryan	H	25.0	mL	25.0	mL	1	M177382
Total Suspended Solids	SM2540 D 2015	5/15/24 11:00 MRH	Bryan	A	1000	mL	1000	mL	1	M177326
Zinc	EPA 200.8 R5.4	5/16/24 9:11 ARM	Bryan	K	50.0	mL	25.0	mL	2.5	M177377
H015650-01RE1										
H015650-02										
Subcontract	Sub Contract Data Entry	6/11/24 17:09 PMY	Bryan	-	-	-	-	-	-	M178505

Chain-of-Custody and Analysis Request

AQUA-TECH LABORATORIES, INC.

Client / Project Name: Wharton, City of — Wharton WWTP 1 - Permit Renewal 2024

Contact Information

Name: Amy Horelica
Address: 120 East Caney
City: Wharton
State: TX Zip: 77488
Phone: (979) 532-4811
email:

Definitions

DW Drinking Water
NP Non-Potable Water
S Solid
CM Custody Maintained
CTU Custody Transfer Unbroken
CT Corrected Temperature

Reagent tracking is available upon request.

NELAP ACCREDITED TNI LABORATORY

TCEQ LAB ID: T104704371

Aqua-Tech laboratories, Inc.

Austin: 3512 Montopolis Dr. Austin, TX 78744 512.301.9559

Bryan: 635 Phil Gramm Blvd. Bryan, TX 77807 979.778.3707

Test results meet all accreditation/certification requirements unless stated otherwise.

C-O-C # **H015650**

rte_ATL COC 012723.rpt

Analyses Requested: "A" prefix indicates Austin, all others Bryan or Subcontracted, indicated by [SUB].
Name format: Analysis-Matrix-Technology-Method.

[NEL] = NELAP accredited parameter
[SUB] = NELAP accredited subcontracted parameter
[CNR] = No NELAP accreditation required or available
[INF] = Informational only (not NELAC certified)

By relinquishing the samples listed below to Aqua-Tech laboratories, Inc. (ATL), the client agrees to the following terms. Samples will be analyzed by a method that is within ATL's NELAP fields of accreditation (FoA). Analytes requiring an accredited method that is not within ATL's FoA will be subcontracted to a NELAP lab that is accredited for that method. Clients will be notified of the subcontract lab's details. Other analytes not requiring accreditation will be analyzed by a compendial method. If a specific method is required, the client will note the method in the "Analysis Requested" column. The client approves all method modifications documented by ATL or the subcontract lab.
A current list of ATL's NELAC fields of accreditation and other methods are available on request.

Comments:

- LAB RECEIPT - B102

Temperature - CT (C):	1.6
Preservation Correct:	Yes
Post-Preservatives:	N/A
Thermometer ID:	0809841
pH Paper ID:	0816091

ko_A COC MULTI 043020.rpt

Sample Custody

Relinquished (print & sign)	James Fritz	☒ Sampler ☐ Client ☒ ATL Field	Date 5-13-24 Time 0820	☒ Iced / Refrig ☐ Custody Sealed
Received (print & sign)		☐ Client ☐ ATL Field	Date Time	☐ Iced / Refrig ☐ CM / CTU
Relinquished (print & sign)		☐ Client ☐ ATL Field	Date Time	☐ Iced / Refrig ☐ CM / CTU
Received (print & sign)	NA LJRF	☐ Client ☐ ATL Field	Date Time	☐ Iced / Refrig ☐ CM / CTU
Relinquished (print & sign)	James R Fritz	☐ Client ☒ ATL Field	Date 05/13/24 Time 13:24	☒ Iced / Refrig ☒ CM / CTU / Sealed
Received (print & sign)	James R Fritz	X Lab	Date 05/13/24 Time 13:24	X Cond Good X Iced / Refrig X CM / CTU

Field Sample ID	Start Date	Start Time	End Date	End Time	Composite Type	Sample Matrix	Container (Checked box indicates bottle arrived in lab) (Volume - Type - Preservative)	Lab ID

AQUA-TECH LABORATORIES, INC.

Chain-of-Custody and Analysis Request

C-O-C #
H015650

Client : Wharton, City of

Field Sample ID	Start Date	Start Time	End Date	End Time	Composite Type	Sample Matrix	Container (Checked box indicates bottle arrived in lab) (Volume - Type - Preservative)	Lab ID
Wharton WWTP 1 - Permit Renewal	5-13-24	0820	- N/A -	- N/A -	Grab	NP	☑ A TSS 2LP ☑ AA 1LG Amber ☑ AB [SUB] ANA 0.25LP HNO3 pH<2 ☑ AC CN 0.5LP NaOH pH>10 ☑ AD Volatiles 40mL VOA Na2S2O3 ☑ AE Volatiles 40mL VOA Na2S2O3 ☑ AF Volatiles 40mL VOA Na2S2O3 ☑ AG Volatiles 40mL VOA Na2S2O3 ☑ AH Acrolein Acrylonitrile 40mL VOA ☑ AI Acrolein Acrylonitrile 40mL VOA ☑ AJ Acrolein Acrylonitrile 40mL VOA ☑ AK Acrolein Acrylonitrile 40mL VOA ☑ AL Carbaryl-Diuron 1LG ☑ B TDS 0.5LP ☑ C SO4 0.5LP ☑ D OG pH Chk - 1LP HCl pH<2 ☑ E OG - 1LG Amber HCl ☑ F OG - 1LG Amber HCl ☑ G NO2 0.25LP ☑ H AMM NO3 P TKN 0.5LP H2SO4 pH<2 ☑ I Cl Fl Cond 1LP ☑ J ALK 0.25LP ☑ K Metals 1LP HNO3 pH<2 ☑ L CBOD 1LP ☑ M Mn Corr 0.25 LP ☑ N Ecoli 0.29L StP Na2S2O3 ☑ O Cr+6 0.25LP NaOH + Cr6 Buffer pH=9.56 ☑ P Cr+6 0.25LP ☑ Q PCB 1LG ☑ R Cresols 1LG ☑ S Hexachlorophene 1LG ☑ T Pesticides 1LG ☑ U Pest OrgPO4 1LG ☑ V Herbicides 1LG ☑ W [SUB] ANA Hg LL ANA 1L HCl pH<2 ME<JRF> ☑ X NONYLPHENOL 1LG H2SO4 pH<2 ☑ Y Semivolatiles 1LG Amber ☑ Z 1LG Amber	**H015650-01**

AcroleinAcrylo. (10054-55) NP GCMS EPA624.1 [SUB] | Ag ICP-MS EPA 200.8 [SUB] [NEL] | Al DW NP ICP-MS EPA 200.8 [NEL]
Alkalinity NP Probe SM 2320 B [NEL] | As DW NP ICP-MS EPA 200.8 [NEL] | Ba DW NP ICP-MS EPA 200.8 [NEL]
Be DW NP ICP-MS EPA 200.8 [NEL] | Carbaryl NP HPLC EPA 632 [SUB] | CBOD NP Probe SM 5210 B [NEL]
Cd DW NP ICP-MS EPA 200.8 [NEL] | Chlorpyrifos NP (10054) GC EPA 622 [SUB] | Cl NP Tit SM 4500 Cl- B [NEL]
CN Amenable (PKG) NP SM4500 CN E G [SUB] | CN Amenable NP SM4500 CN G [SUB] | CN NP SM4500 CN E [SUB]
Cond Probe SM2510 B [NEL] | Cr 3 Calc EPA 200.8 [NEL] | Cr 6 NP Spec USGS I-1230-85 [NEL]
Cr DW NP ICP-MS EPA 200.8 [NEL] | Cresols NP GCMS EPA 625 [SUB] | Cu DW NP ICP-MS EPA 200.8 [NEL]
Diuron NP HPLC EPA 632 CNR [SUB] [INFSUB] | E.Coli MPN SM 9223 B [NEL] | F NP Probe SM 4500 F- C [NEL]
Field DO Probe SM4500-O G [ANR] | Field pH Probe SM45000-H+ B [ANR] | Field Temp Probe SM2550 B [ANR]
Field TRC Calc SM 4500 Cl F [CNR] | Field TRC Mn TITR SM4500 Cl F [CNR] | Field TRC TITR SM 4500 Cl F [CNR]
Herbicides NP GC-ECD EPA 615 [SUB] | Hexachlorophene NP HPLC EPA 604.1 CNR [SUB] [IN | Hg LL CVAA-AF EPA 1631/245.7 NEL [SUB]
Mirex Dicofol Methoxychlor NP GC EPA 617 [SUB] | NH3N NP AUTO SM 4500 G [NEL] | Ni DW NP ICP-MS EPA 200.8 [NEL]
NO2N NP Spec SM4500 NO2 B [NEL] | NO3N + NO2N NP RFA SM4500 NO3 F [CNR] | NO3N NP CALC SM4500 [NEL]
Nonylphenol NP GC-MS ASTM 7065 CNR [SUB] | O&G Grav EPA 1664B [NEL] | P NP ICP EPA 200.7 [NEL]
Pb DW NP ICP-MS EPA 200.8 [NEL] | PCB NP GC-ECD EPA 608 [SUB] | Pest NP (10054) GC EPA 608.3 [SUB]
Pest Org P NP (10054) GC EPA 614 [SUB] | Sb DW NP ICP-MS EPA 200.8 [NEL] | Se DW NP ICP-MS EPA 200.8 [NEL]
Semi NP Additional from 30 EPA 625.1 [SUB] | SO4 NP Spec D516 [NEL] | SV 10054/55 GC-MS EPA 625 [SUB]
TDS NP Grav SM2540 C [NEL] | TKN NP AUTO EPA 351.2 [NEL] | TL DW NP ICP-MS EPA 200.8 [NEL]
TSS NP Grav SM 2540 D [NEL] | Vol 10054 NP GC-MS EPA 624.1 [SUB] | Y Billing Digest, Metals Aq ICP
Y Billing Digest, Metals NP ICP [SUB] | Y Billing Fuel Fee | Y Billing Ship to Sub-Contract Lab
Y Sample Fee Billing Bryan | Zn DW NP ICP-MS EPA 200.8 [NEL]

Wharton WWTP 1 - Permit Renewal LL Hg DUP	5-13-24	0831	- N/A -	- N/A -	Grab	NP	☑ A [SUB] ANA Hg LL ANA 1L HCl	**H015650-02**

Hg LL CVAA-AF EPA 1631/245.7 NEL [SUB]

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Project
1103113

AQU1-G

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Printed 05/31/2024
14:05

TABLE OF CONTENTS

H015650

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

2600 Dudley Rd. Kilgore, Texas 75662
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SAMPLE CROSS REFERENCE

Project
1103113

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 608.3	30	1119187	05/14/2024	1119795	05/16/2024

Email: Kilgore.ProjectManagement@spllabs.com

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SAMPLE CROSS REFERENCE

Project
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AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 608.3	32	1119319	05/14/2024	1119829	05/16/2024

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SAMPLE CROSS REFERENCE

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Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 615	36	1119425	05/15/2024	1119920	05/17/2024

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SAMPLE CROSS REFERENCE

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Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 632	29	1119184	05/14/2024	1120982	05/21/2024

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SAMPLE CROSS REFERENCE

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Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 604.1	35	1119417	05/15/2024	1119768	05/16/2024

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SAMPLE CROSS REFERENCE

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Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 617	30	1119187	05/14/2024	1119794	05/16/2024

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SAMPLE CROSS REFERENCE

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Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 625.1	37	1119641	05/16/2024	1120178	05/17/2024

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SAMPLE CROSS REFERENCE

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Bryan, TX 77807-9104

Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 624.1	18	1119387	05/14/2024	1119387	05/14/2024

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SAMPLE CROSS REFERENCE

Project
1103113

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Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 624.1	13	1119984	05/17/2024	1119984	05/17/2024

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SAMPLE CROSS REFERENCE

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1103113

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Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 614	31	1119194	05/14/2024	1120024	05/16/2024

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SAMPLE CROSS REFERENCE

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1103113

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Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
ASTM D7065-11	38	1120924	05/24/2024	1121305	05/28/2024

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SAMPLE CROSS REFERENCE

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Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.8 5.4	33	1119313	05/15/2024	1119458	05/15/2024

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SAMPLE CROSS REFERENCE

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Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	34	1119341	05/15/2024	1119481	05/15/2024

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SAMPLE CROSS REFERENCE

Project
1103113

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Bryan, TX 77807-9104

Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN⁻ G-2016			05/31/2024		05/31/2024

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SAMPLE CROSS REFERENCE

Project
1103113

AquaTech Laboratories
John Brien
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Bryan, TX 77807-9104

Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN⁻ G-2016	26	1119287	05/15/2024	1119897	05/17/2024

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SAMPLE CROSS REFERENCE

Project
1103113

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Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN⁻ E-2016	23	1119284	05/15/2024	1119899	05/17/2024

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SAMPLE CROSS REFERENCE

Project
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Sample	Sample ID	Taken	Time	Received
2298524	*H015650-01*	05/13/2024	08:20:00	05/14/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 13 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 14 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 15 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 16 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 17 Na2S2O3 (6 mg)) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 19 Client supplied HCl Clean Metals Bottle
Bottle 20 Client supplied NaOH to pH >9 and Zinc Acetate
Bottle 21 Client supplied HNO3 to pH <2
Bottle 22 Client supplied H2SO4 Amber Glass
Bottle 23 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119284) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 27 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 28 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1119287) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 29 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1119184) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 30 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1119187) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 31 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1119194) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 32 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1119319) Volume: 1.00000 mL <== Derived from 02 (1010 ml)
Bottle 33 Prepared Bottle: ICP Preparation for Metals (Batch 1119313) Volume: 50.00000 mL <== Derived from 21 (50 ml)
Bottle 34 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119417) Volume: 5.00000 mL <== Derived from 01 (1005 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119425) Volume: 10.00000 mL <== Derived from 03 (1024 ml)
Bottle 37 Prepared Bottle: 2 mL Autosampler Vial (Batch 1119641) Volume: 1.00000 mL <== Derived from 04 (1017 ml)
Bottle 38 Prepared Bottle: 2 mL Autosampler Vial (Batch 1120924) Volume: 1.00000 mL <== Derived from 22 (1015 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 622	31	1119194	05/14/2024	1120015	05/16/2024

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SAMPLE CROSS REFERENCE

Project
1103113

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Bryan, TX 77807-9104

Sample	Sample ID	Taken	Time	Received
2298539	*H015650-02*	05/13/2024	08:31:00	05/14/2024

Bottle 01 Client supplied HCl Clean Metals Bottle
Bottle 02 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 03 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)
Bottle 04 Prepared Bottle: Mercury Preparation for Metals (Batch 1119341) Volume: 50.00000 mL <== Derived from 01 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	02	1119341	05/15/2024	1119481	05/15/2024

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Project 1103113

AquaTech Laboratories
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Printed: 05/31/2024

H015650

RESULTS

Sample Results

2298524 **H015650-01** Received: 05/14/2024

Non-Potable Water | Collected by: Client | AquaTech Laboratorie | PO: H015650
Taken: 05/13/2024 08:20:00

	Prepared:	05/31/2024	12:57:00	Analyzed	05/31/2024	12:57:00	TWV

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	**Check Limits**	**Completed**					

ASTM D7065-11 Prepared: 1120924 05/24/2024 11:00:00 Analyzed 1121305 05/28/2024 17:27:00 DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	**Nonylphenol**	**<29.6**	**ug/L**	29.6		**25154-52-3**	38

EPA 200.8 5.4 Prepared: 1119313 05/15/2024 09:00:00 Analyzed 1119458 05/15/2024 14:18:00 JC2

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Silver, Total**	**<0.000226**	**mg/L**	0.000226		**7440-22-4**	33

EPA 245.7 2 Prepared: 1119341 05/15/2024 09:30:00 Analyzed 1119481 05/15/2024 15:00:00 MP1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Mercury, Total (low level)**	**<5.00**	**ng/L**	5.00		**7439-97-6**	34

EPA 604.1 Prepared: 1119417 05/15/2024 13:50:00 Analyzed 1119768 05/16/2024 18:53:00 KLB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	**Hexachlorophene**	**<1.24**	**ug/L**	1.24		**70-30-4**	35

EPA 608.3 Prepared: 1119187 05/15/2024 10:00:00 Analyzed 1119795 05/16/2024 20:41:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**4,4-DDD**	**<0.0099**	**ug/L**	0.0099		**72-54-8**	30
NELAC	**4,4-DDE**	**<0.0099**	**ug/L**	0.0099		**72-55-9**	30
NELAC	**4,4-DDT**	**<0.0099**	**ug/L**	0.0099		**50-29-3**	30
NELAC	**Aldrin**	**<0.0099**	**ug/L**	0.0099		**309-00-2**	30

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Project 1103113

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John Brien
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Bryan, TX 77807-9104

Printed: 05/31/2024

2298524 **H015650-01** Received: 05/14/2024

Non-Potable Water | Collected by: Client | AquaTech Laboratorie | PO: H015650

Taken: 05/13/2024 08:20:00

EPA 608.3 Prepared: 1119187 05/15/2024 10:00:00 Analyzed 1119795 05/16/2024 20:41:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Alpha-BHC(hexachlorocyclohexane)	<0.0099	ug/L	0.0099		319-84-6	30
NELAC	Beta-BHC(hexachlorocyclohexane)	<0.0099	ug/L	0.0099		319-85-7	30
NELAC	Chlordane	<0.198	ug/L	0.198		57-74-9	30
NELAC	Delta-BHC(hexachlorocyclohexane)	<0.0099	ug/L	0.0099		319-86-8	30
NELAC	Dieldrin	<0.0099	ug/L	0.0099		60-57-1	30
NELAC	Endosulfan I (alpha)	<0.0099	ug/L	0.0099		959-98-8	30
NELAC	Endosulfan II (beta)	<0.0099	ug/L	0.0099		33213-65-9	30
NELAC	Endosulfan sulfate	<0.0099	ug/L	0.0099		1031-07-8	30
NELAC	Endrin	<0.0099	ug/L	0.0099		72-20-8	30
NELAC	Endrin aldehyde	<0.0099	ug/L	0.0099		7421-93-4	30
NELAC	Gamma-BHC(Lindane)	<0.0099	ug/L	0.0099		58-89-9	30
NELAC	Heptachlor	<0.0099	ug/L	0.0099		76-44-8	30
NELAC	Heptachlor epoxide	<0.0099	ug/L	0.0099		1024-57-3	30
NELAC	Toxaphene	<0.198	ug/L	0.198		8001-35-2	30

EPA 608.3 Prepared: 1119319 05/14/2024 13:01:00 Analyzed 1119829 05/16/2024 20:41:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	PCB-1016	<0.200	ug/L	0.200	SXD	12674-11-2	32
NELAC	PCB-1221	<0.198	ug/L	0.198		11104-28-2	32
NELAC	PCB-1232	<0.198	ug/L	0.198		11141-16-5	32
NELAC	PCB-1242	<0.198	ug/L	0.198		53469-21-9	32
NELAC	PCB-1248	<0.198	ug/L	0.198		12672-29-6	32
NELAC	PCB-1254	<0.198	ug/L	0.198		11097-69-1	32
NELAC	PCB-1260	<0.198	ug/L	0.198	SD	11096-82-5	32
NELAC	PCB-1262	<0.198	ug/L	0.198		37324-23-5	32
NELAC	PCB-1268	<0.198	ug/L	0.198		11100-14-4	32

EPA 614 Prepared: 1119194 05/15/2024 10:00:00 Analyzed 1120024 05/16/2024 16:19:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Azinphos-methyl (Guthion)	<0.0495	ug/L	0.0495	D	86-50-0	31
NELAC	Demeton	<0.0495	ug/L	0.0495	D	8065-48-3	31
NELAC	Diazinon	<0.0495	ug/L	0.0495	D	333-41-5	31
NELAC	Malathion	<0.0495	ug/L	0.0495	D	121-75-5	31
NELAC	Parathion, ethyl	<0.0495	ug/L	0.0495	D	56-38-2	31

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Project 1103113

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Printed: 05/31/2024

2298524 **H015650-01** Received: 05/14/2024

Non-Potable Water | Collected by: Client | AquaTech Laboratorie | PO: H015650
Taken: 05/13/2024 08:20:00

EPA 614 Prepared: 1119194 05/15/2024 10:00:00 Analyzed 1120024 05/16/2024 16:19:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Parathion, methyl**	**<0.0495**	**ug/L**	0.0495		**298-00-0**	31

EPA 615 Prepared: 1119425 05/15/2024 14:00:00 Analyzed 1119920 05/17/2024 07:18:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**2,4 Dichlorophenoxyacetic acid**	**0.746**	**ug/L**	0.488	SD	**94-75-7**	36
NELAC	**2,4,5-TP (Silvex)**	**<0.293**	**ug/L**	0.293	S	**93-72-1**	36

EPA 617 Prepared: 1119187 05/15/2024 10:00:00 Analyzed 1119794 05/16/2024 20:41:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	**Kelthane (Dicofol)**	**<0.0495**	**ug/L**	0.0495	X	**115-32-2**	30
z	**Methoxychlor**	**<0.0099**	**ug/L**	0.0099		**72-43-5**	30
z	**Mirex**	**<0.0099**	**ug/L**	0.0099		**2385-85-5**	30

EPA 622 Prepared: 1119194 05/15/2024 10:00:00 Analyzed 1120015 05/16/2024 16:19:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Chlorpyrifos**	**<0.0495**	**ug/L**	0.0495	D	**2921-88-2**	31

EPA 624.1 Prepared: 1119387 05/14/2024 17:58:00 Analyzed 1119387 05/14/2024 17:58:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Acrolein**	**<4.00**	**ug/L**	4.00		**107-02-8**	18
NELAC	**Acrylonitrile**	**<2.00**	**ug/L**	2.00	X	**107-13-1**	18

EPA 624.1 Prepared: 1119984 05/17/2024 18:22:00 Analyzed 1119984 05/17/2024 18:22:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**1,1,1-Trichloroethane**	**<1.00**	**ug/L**	1.00		**71-55-6**	13
NELAC	**1,1,2,2-Tetrachloroethane**	**<1.00**	**ug/L**	1.00		**79-34-5**	13
NELAC	**1,1,2-Trichloroethane**	**<1.00**	**ug/L**	1.00		**79-00-5**	13
NELAC	**1,1-Dichloroethane**	**<1.00**	**ug/L**	1.00		**75-34-3**	13
NELAC	**1,1-Dichloroethylene**	**<1.00**	**ug/L**	1.00		**75-35-4**	13
NELAC	**1,2-Dibromoethane (EDB)**	**<1.00**	**ug/L**	1.00		**106-93-4**	13
NELAC	**1,2-Dichloroethane**	**<1.00**	**ug/L**	1.00		**107-06-2**	13

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Project 1103113

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Printed: 05/31/2024

2298524 **H015650-01** Received: 05/14/2024

Non-Potable Water | Collected by: Client | AquaTech Laboratorie | PO: H015650

Taken: 05/13/2024 08:20:00

EPA 624.1 Prepared: 1119984 05/17/2024 18:22:00 Analyzed 1119984 05/17/2024 18:22:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,2-Dichloropropane	<1.00	ug/L	1.00		78-87-5	13
NELAC	2-Chloroethylvinyl ether	<1.00	ug/L	1.00		110-75-8	13
NELAC	Benzene	<1.00	ug/L	1.00		71-43-2	13
NELAC	Bromodichloromethane	<1.00	ug/L	1.00		75-27-4	13
NELAC	Bromoform	<1.00	ug/L	1.00		75-25-2	13
NELAC	Bromomethane (Methyl Bromi	<1.00	ug/L	1.00		74-83-9	13
NELAC	Carbon Tetrachloride	<1.00	ug/L	1.00	S	56-23-5	13
NELAC	Chlorobenzene	<1.00	ug/L	1.00		108-90-7	13
NELAC	Chloroethane	<1.12	ug/L	1.12		75-00-3	13
NELAC	Chloroform	<1.00	ug/L	1.00		67-66-3	13
NELAC	Chloromethane (Methyl Chloride)	<1.00	ug/L	1.00		74-87-3	13
NELAC	cis-1,3-Dichloropropene	<1.00	ug/L	1.00		10061-01-5	13
NELAC	Dibromochloromethane	<1.00	ug/L	1.00		124-48- 1	13
NELAC	Dichloromethane	<1.02	ug/L	1.02		75-09-2	13
NELAC	Ethylbenzene	<1.00	ug/L	1.00		100-41-4	13
NELAC	m-Dichlorobenzene (1,3-DCB)	<1.00	ug/L	1.00		541-73-1	13
NELAC	Methyl ethyl ketone (Butanone)	<1.00	ug/L	1.00		78-93-3	13
NELAC	o-Dichlorobenzene (1,2-DCB)	<1.00	ug/L	1.00		95-50-1	13
NELAC	p-Dichlorobenzene (1,4-DCB)	<1.00	ug/L	1.00		106-46-7	13
NELAC	Tetrachloroethylene	<1.00	ug/L	1.00		127-18-4	13
NELAC	Toluene	<1.00	ug/L	1.00		108-88-3	13
NELAC	trans-1,2-Dichloroethylene	<1.00	ug/L	1.00		156-60-5	13
NELAC	trans-1,3-Dichloropropene	<1.00	ug/L	1.00		10061-02-6	13
NELAC	Trichloroethylene	<1.00	ug/L	1.00		79-01-6	13
NELAC	Vinyl chloride	<1.00	ug/L	1.00		75-01-4	13

EPA 624.1 Prepared: 1119984 05/31/2024 12:57:18 Calculated 1119984 05/31/2024 12:57:18 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Trihalomethanes	<0.001	mg/L	0.001			13

EPA 625.1 Prepared: 1119641 05/16/2024 13:45:00 Analyzed 1120178 05/17/2024 23:11:00 DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,2,4,5-Tetrachlorobenzene	<0.983	ug/L	0.983		95-94-3	37
NELAC	1,2,4-Trichlorobenzene	<0.983	ug/L	0.983		120-82-1	37

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Project 1103113

Printed: 05/31/2024

2298524 **H015650-01**

Received: 05/14/2024

Non-Potable Water | Collected by: Client | AquaTech Laboratorie | PO: H015650

Taken: 05/13/2024 08:20:00

EPA 625.1 Prepared: 1119641 05/16/2024 13:45:00 Analyzed 1120178 05/17/2024 23:11:00 DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,2-Dichlorobenzene	<0.983	ug/L	0.983		95-50-1	37
NELAC	1,2-DPH (as azobenzene)	<0.983	ug/L	0.983		122-66-7	37
NELAC	1,3-Dichlorobenzene	<0.983	ug/L	0.983		541-73-1	37
NELAC	1,4-Dichlorobenzene	<0.983	ug/L	0.983		106-46-7	37
NELAC	2,4,5-Trichlorophenol	<0.983	ug/L	0.983		95-95-4	37
NELAC	2,4,6-Trichlorophenol	<0.983	ug/L	0.983		88-06-2	37
NELAC	2,4-Dichlorophenol	<0.983	ug/L	0.983		120-83-2	37
NELAC	2,4-Dimethylphenol	<2.36	ug/L	2.36		105-67-9	37
NELAC	2,4-Dinitrophenol	<8.85	ug/L	8.85		51-28-5	37
NELAC	2,4-Dinitrotoluene	<3.44	ug/L	3.44		121-14-2	37
NELAC	2,6-Dinitrotoluene	<0.983	ug/L	0.983		606-20-2	37
NELAC	2-Chloronaphthalene	<0.983	ug/L	0.983		91-58-7	37
NELAC	2-Chlorophenol	<0.983	ug/L	0.983		95-57-8	37
NELAC	2-Methylphenol (o-Cresol)	<5.11	ug/L	5.11		95-48-7	37
NELAC	2-Nitrophenol	<0.983	ug/L	0.983		88-75-5	37
NELAC	3&4-Methylphenol (m&p-Cresol)	<6.10	ug/L	6.10		MEPH34	37
NELAC	3,3'-Dichlorobenzidine	<4.92	ug/L	4.92		91-94-1	37
NELAC	4,6-Dinitro-2-methylphenol	<7.87	ug/L	7.87		534-52-1	37
NELAC	4-Bromophenyl phenyl ether	<0.983	ug/L	0.983		101-55-3	37
NELAC	4-Chlorophenyl phenyl ethe	<0.983	ug/L	0.983		7005-72-3	37
NELAC	4-Nitrophenol	<0.983	ug/L	0.983		100-02-7	37
NELAC	Acenaphthene	<0.983	ug/L	0.983		83-32-9	37
NELAC	Acenaphthylene	<0.983	ug/L	0.983		208-96-8	37
z	Aniline	<0.983	ug/L	0.983	S	62-53-3	37
NELAC	Anthracene	<0.983	ug/L	0.983		120-12-7	37
NELAC	Benzidine	<19.7	ug/L	19.7		92-87-5	37
NELAC	Benzo(a)anthracene	<0.983	ug/L	0.983		56-55-3	37
NELAC	Benzo(a)pyrene	<0.983	ug/L	0.983		50-32-8	37
NELAC	Benzo(b)fluoranthene	<0.983	ug/L	0.983		205-99-2	37
NELAC	Benzo(ghi)perylene	<0.983	ug/L	0.983		191-24-2	37
NELAC	Benzo(k)fluoranthene	<0.983	ug/L	0.983		207-08-9	37
NELAC	Benzyl Butyl phthalate	<7.37	ug/L	7.37		85-68-7	37
NELAC	Bis(2-chloroethoxy)methane	<0.983	ug/L	0.983		111-91-1	37
NELAC	Bis(2-chloroethyl)ether	<0.983	ug/L	0.983		111-44-4	37
NELAC	Bis(2-chloroisopropyl)ether	<0.983	ug/L	0.983		108-60-1	37
NELAC	Bis(2-ethylhexyl)phthalate	<7.37	ug/L	7.37		117-81-7	37

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Printed: 05/31/2024

2298524 **H015650-01** Received: 05/14/2024

Non-Potable Water | Collected by: Client | AquaTech Laboratorie | PO: H015650

Taken: 05/13/2024 08:20:00

EPA 625.1 Prepared: 1119641 05/16/2024 13:45:00 Analyzed 1120178 05/17/2024 23:11:00 DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Chrysene (Benzo(a)phenanthrene)	<0.983	ug/L	0.983		218-01-9	37
NELAC	Dibenz(a,h)anthracene	<0.983	ug/L	0.983		53-70-3	37
NELAC	Diethyl phthalate	<5.60	ug/L	5.60		84-66-2	37
NELAC	Dimethyl phthalate	<4.72	ug/L	4.72		131-11-3	37
NELAC	Di-n-butylphthalate	<7.37	ug/L	7.37		84-74-2	37
NELAC	Di-n-octylphthalate	<0.983	ug/L	0.983		117-84-0	37
NELAC	Fluoranthene(Benzo(j,k)fluorene)	<0.983	ug/L	0.983		206-44-0	37
NELAC	Fluorene	<0.983	ug/L	0.983		86-73-7	37
NELAC	Hexachlorobenzene	<0.983	ug/L	0.983		118-74-1	37
NELAC	Hexachlorobutadiene	<0.983	ug/L	0.983		87-68-3	37
NELAC	Hexachlorocyclopentadiene	<8.85	ug/L	8.85		77-47-4	37
NELAC	Hexachloroethane	<0.983	ug/L	0.983		67-72-1	37
NELAC	Indeno(1,2,3-cd)pyrene	<0.983	ug/L	0.983		193-39-5	37
NELAC	Isophorone	<0.983	ug/L	0.983		78-59-1	37
NELAC	Naphthalene	<0.983	ug/L	0.983		91-20-3	37
NELAC	Nitrobenzene	<0.983	ug/L	0.983		98-95-3	37
NELAC	n-Nitrosodiethylamine	<0.983	ug/L	0.983		55-18-5	37
NELAC	N-Nitrosodimethylamine	<6.88	ug/L	6.88		62-75-9	37
NELAC	n-Nitroso-di-n-butylamine	<0.983	ug/L	0.983		924-16-3	37
NELAC	N-Nitrosodi-n-propylamine	<0.983	ug/L	0.983		621-64-7	37
NELAC	N-Nitrosodiphenylamine (as DPA	<0.983	ug/L	0.983		86-30-6	37
NELAC	p-Chloro-m-Cresol (4-Chloro-3-me	<2.36	ug/L	2.36		59-50-7	37
NELAC	Pentachlorobenzene	<0.983	ug/L	0.983		608-93-5	37
NELAC	Pentachlorophenol	<0.983	ug/L	0.983		87-86-5	37
NELAC	Phenanthrene	<0.983	ug/L	0.983		85-01-8	37
NELAC	Phenol	<1.47	ug/L	1.47		108-95-2	37
NELAC	Pyrene	<0.983	ug/L	0.983		129-00-0	37
NELAC	Pyridine	<5.31	ug/L	5.31		110-86-1	37

EPA 625.1 Prepared: 1119641 05/16/2024 13:45:00 Calculated 1120178 05/31/2024 12:57:17 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cresols Total	<6.10	ug/L	6.10		1319-77-3, etc.	37

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2298524 **H015650-01** Received: 05/14/2024

Non-Potable Water | Collected by: Client | AquaTech Laboratorie | PO: H015650
Taken: 05/13/2024 08:20:00

EPA 632 Prepared: 1119184 05/15/2024 10:00:00 Analyzed 1120982 05/21/2024 23:53:00 BRU

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Carbaryl (Sevin)**	**<2.48**	**ug/L**	2.48		**63-25-2**	29
z	**Diuron**	**<0.0446**	**ug/L**	0.0446		**330-54-1**	29

SM 4500-CN⁻ E-2016 Prepared: 1119284 05/15/2024 07:59:46 Analyzed 1119899 05/17/2024 10:21:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Cyanide, total**	**<0.005**	**mg/L**	0.005			23

SM 4500-CN⁻ G-2016 Prepared: 05/31/2024 12:57:18 Calculated 05/31/2024 12:57:18 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Cyanide - Available/Amenable**	**<0.005**	**mg/L**	0.005			

SM 4500-CN⁻ G-2016 Prepared: 1119287 05/15/2024 08:06:43 Analyzed 1119897 05/17/2024 10:21:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Cyanide After Chlorination**	**<0.005**	**mg/L**	0.005			26

2298539 **H015650-02** Received: 05/14/2024

Non-Potable Water | Collected by: Client | AquaTech Laboratorie | PO: H015650
Taken: 05/13/2024 08:31:00

EPA 245.7 2 Prepared: 1119341 05/15/2024 09:30:00 Analyzed 1119481 05/15/2024 15:03:00 MP1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Mercury, Total (low level)**	**<5.00**	**ng/L**	5.00		**7439-97-6**	02

Sample Preparation

2298524 **H015650-01** Received: 05/14/2024

H015650

05/13/2024

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2298524 **H015650-01** Received: 05/14/2024

H015650

05/13/2024

		Prepared:		05/31/2024	12:57:00	Analyzed		05/31/2024	12:57:00 TWV
z	**Level IV Data Review**	**Completed**							
	ASTM D7065-11	Prepared:	1120924	05/24/2024	11:00:00	Analyzed	1121305	05/28/2024	17:27:00 DWL
z	**Nonyl Phenol Expansion**	**Entered**							38
	EPA 200.2 2.8	Prepared:	1119313	05/15/2024	09:00:00	Analyzed	1119313	05/15/2024	09:00:00 CAS
z	**Liquid Metals Digestion**	**50/50**	**ml**						21
	EPA 245.7 2	Prepared:	1119341	05/15/2024	09:30:00	Analyzed	1119341	05/15/2024	09:30:00 MP1
NELAC	**Low Level Mercury Liquid Metals**	**50/47**	**ml**						19
	EPA 604.1	Prepared:	1119417	05/15/2024	13:50:00	Analyzed	1119417	05/15/2024	13:50:00 MCC
	Hexachlorophene Extraction	**5/1005**	**ml**						01
	EPA 604.1	Prepared:	1119417	05/15/2024	13:50:00	Analyzed	1119768	05/16/2024	18:53:00 KLB
	Hexachlorophene Expansion	**Entered**						**70-30-4**	35
	EPA 608.3	Prepared:	1119187	05/15/2024	10:00:00	Analyzed	1119187	05/15/2024	10:00:00 SAB
	Liquid-Liquid Extr. W/Hex Ex	**1/1010**	**ml**						02
	EPA 608.3	Prepared:	1119187	05/15/2024	10:00:00	Analyzed	1119795	05/16/2024	20:41:00 KAP
NELAC	**TTO Pesticides**	**Entered**							30

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2298524 **H015650-01** Received: 05/14/2024

H015650

05/13/2024

	EPA 608.3	*Prepared:*	*1119194*	*05/15/2024*	*10:00:00*	*Analyzed*	*1119194*	*05/15/2024*	*10:00:00*	*SAB*
	Solvent Extraction	**1/1010**	**ml**							02
	EPA 608.3	*Prepared:*	*1119319*	*05/14/2024*	*13:01:00*	*Analyzed*	*1119319*	*05/14/2024*	*13:01:00*	*SAB*
	PCB Liq-Liq Extr. W/Hex Exch.	**1/1010**	**ml**							02
	EPA 608.3	*Prepared:*	*1119319*	*05/14/2024*	*13:01:00*	*Analyzed*	*1119829*	*05/16/2024*	*20:41:00*	*KAP*
NELAC	**Polychlorinated Biphenyls**	**Entered**								32
	EPA 614	*Prepared:*	*1119194*	*05/15/2024*	*10:00:00*	*Analyzed*	*1120024*	*05/16/2024*	*16:19:00*	*KAP*
z	**Permit Organophos. Pesticides**	**Entered**								31
	EPA 615	*Prepared:*	*1119425*	*05/15/2024*	*14:00:00*	*Analyzed*	*1119425*	*05/15/2024*	*14:00:00*	*MCC*
NELAC	**Esterification of Sample**	**10/1024**	**ml**							03
	EPA 615	*Prepared:*	*1119425*	*05/15/2024*	*14:00:00*	*Analyzed*	*1119920*	*05/17/2024*	*07:18:00*	*KAP*
NELAC	**Herbicides by GC**	**Entered**								36
	EPA 617	*Prepared:*	*1119187*	*05/15/2024*	*10:00:00*	*Analyzed*	*1119794*	*05/16/2024*	*20:41:00*	*KAP*
z	**For use with !PPR only**	**Entered**								30
	EPA 622	*Prepared:*	*1119194*	*05/15/2024*	*10:00:00*	*Analyzed*	*1120015*	*05/16/2024*	*16:19:00*	*KAP*
NELAC	**For use with EXP !CPP only**	**Entered**								31

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2298524 **H015650-01** Received: 05/14/2024

H015650

05/13/2024

	EPA 624.1	*Prepared:*	*1119387*	*05/14/2024*	*17:58:00*	*Analyzed*	*1119387*	*05/14/2024*	*17:58:00*	*MR1*
NELAC	**Acrolein/Acrylonitrile Exp.**	**Entered**								18
	EPA 624.1	*Prepared:*	*1119984*	*05/17/2024*	*18:22:00*	*Analyzed*	*1119984*	*05/17/2024*	*18:22:00*	*MR1*
z	**Table D-1/D-2 Volatile Expansion**	**Entered**								13
	EPA 625.1	*Prepared:*	*1119641*	*05/16/2024*	*13:45:00*	*Analyzed*	*1119641*	*05/16/2024*	*13:45:00*	*CRS*
	Liquid-Liquid Extraction, BNA	**1/1017**	**ml**							04
	EPA 625.1	*Prepared:*	*1119641*	*05/16/2024*	*13:45:00*	*Analyzed*	*1120178*	*05/17/2024*	*23:11:00*	*DWL*
NELAC	**Table D-1/ D-2 Semivolatiles Exp**	**Entered**								37
	EPA 625.1	*Prepared:*	*1120924*	*05/24/2024*	*11:00:00*	*Analyzed*	*1120924*	*05/24/2024*	*11:00:00*	*CRS*
	Nonylphenol Liq-Liq Extract	**1/1015**	**ml**							22
	EPA 632	*Prepared:*	*1119184*	*05/15/2024*	*10:00:00*	*Analyzed*	*1119184*	*05/15/2024*	*10:00:00*	*SAB*
	Liquid-Liquid Extr. W/Hex Ex	**1/1010**	**ml**							02
	EPA 632	*Prepared:*	*1119184*	*05/15/2024*	*10:00:00*	*Analyzed*	*1120982*	*05/21/2024*	*23:53:00*	*BRU*
NELAC	**Carbaryl/Diuron**	**Entered**								29
	SM 4500-CN⁻C-2016	*Prepared:*	*1119284*	*05/15/2024*	*07:59:46*	*Analyzed*	*1119284*	*05/15/2024*	*07:59:46*	*MEG*
NELAC	**Cyanide Distillation**	**10/5**	**ml**							20

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Printed: 05/31/2024

2298524 **H015650-01** Received: 05/14/2024

H015650

05/13/2024

SM 4500-CN⁻ C-2016	*Prepared:*	*1119287*	*05/15/2024*	*08:06:43*	*Analyzed*	*1119287*	*05/15/2024*	*08:06:43*	*MEG*	
NELAC	**CN Dist After Chlorination**	**10/5**	**ml**							20

2298539 **H015650-02** Received: 05/14/2024

H015650

05/13/2024

	Prepared:		*05/31/2024*	*12:57:00*	*Analyzed*		*05/31/2024*	*12:57:00*	*TWV*	
z	**Level IV Data Review**	**Completed**								
EPA 245.7 2	*Prepared:*	*1119341*	*05/15/2024*	*09:30:00*	*Analyzed*	*1119341*	*05/15/2024*	*09:30:00*	*MP1*	
NELAC	**Low Level Mercury Liquid Metals**	**50/47**	**ml**							01

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635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Printed: 05/31/2024

Qualifiers:

D - Duplicate RPD was higher than expected
S - Standard reads lower than desired
X - Standard reads higher than desired.

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

Bill Peery

Bill Peery, MS, VP Technical Services

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

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RESULTS

Project 1103113

AQU1

Printed 05/31/2024

H015650

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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water		Administrative									
2298524	H015650-01										
		Collection:	05/13/2024		08:20:00	Client			Received:	05/14/2024	
	Prepared:										
				Analyzed:				5/31/24	12:57:00		
	Check Limits	Completed									1.00
Non-Potable Water		Administrative								EPA 624.1	
2298524	H015650-01										
		Collection:	05/13/2024		08:20:00	Client			Received:	05/14/2024	
	Prepared: 1119984										
				Analyzed:	1119984			5/31/24	12:57:18		
	Trihalomethanes	ND	0.0005	0.0005	0.001	0.001		mg/L	0.010	13	1.00
Non-Potable Water		Administrative								EPA 625.1	
2298524	H015650-01										
		Collection:	05/13/2024		08:20:00	Client			Received:	05/14/2024	
	Prepared: 1119641										
				Analyzed:	1120178			5/31/24	12:57:17		
1319-77-3, etc.	Cresols Total	ND	6.15	6.05	6.20	6.10		ug/L	10.0	37	1.00
Non-Potable Water		Administrative								SM 4500-CN⁻ G-2016	
2298524	H015650-01										

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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Administrative**								**SM 4500-CN⁻ G-2016**		
		Collection:	05/13/2024		08:20:00	Client			*Received:*	05/14/2024	
	Prepared:			*Analyzed:*				5/31/24	12:57:18		
	Cyanide - Available/Amenable	**ND**	0.00238	0.00238	0.005	0.005		**mg/L**	0.010		1.00

MDL is Method Detection Limit (40 CFR 136 Appendix B)
SDL is Sample Detection Limit and is the adjusted MDL (sample specific dilutions, dry weight)
MQL is the Method Quantitation Limit and corresponds to a low standard
MQLADJ is the Adjusted Method Quantitation Limit (dilutions, dry weight)

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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Distillations**								**SM 4500-CN⁻ E-2016**		
2298524	H015650-01										
		Collection:	05/13/2024	08:20:00	Client				*Received:*	05/14/2024	
Prepared:	*1119284*										
				Analyzed:	*1119899*			5/17/24	10:21:00		
	Cyanide, total	**ND**	0.00238	0.00238	0.005	0.005		**mg/L**	0.010	23	1.00
Non-Potable Water	**Distillations**								**SM 4500-CN⁻ G-2016**		
2298524	H015650-01										
		Collection:	05/13/2024	08:20:00	Client				*Received:*	05/14/2024	
Prepared:	*1119287*										
				Analyzed:	*1119897*			5/17/24	10:21:00		
	Cyanide After Chlorination	**ND**	0.00119	0.00238	0.0025	0.005		**mg/L**		26	2.00

MDL is Method Detection Limit (40 CFR 136 Appendix B)
SDL is Sample Detection Limit and is the adjusted MDL (sample specific dilutions, dry weight)
MQL is the Method Quantitation Limit and corresponds to a low standard
MQLADJ is the Adjusted Method Quantitation Limit (dilutions, dry weight)

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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Metals**										**EPA 200.8 5.4**
2298524	**H015650-01**										
		Collection:	05/13/2024	08:20:00	Client				*Received:*	05/14/2024	
	Prepared: ***1119313***										
				Analyzed:	***1119458***			5/15/24	14:18:00		
7440-22-4	**Silver, Total**	**ND**	0.000226	0.000226	0.001	0.001		**mg/L**	0.0005	33	1.00
Non-Potable Water	**Metals**										**EPA 245.7 2**
2298524	**H015650-01**										
		Collection:	05/13/2024	08:20:00	Client				*Received:*	05/14/2024	
	Prepared: ***1119341***										
				Analyzed:	***1119481***			5/15/24	15:00:00		
7439-97-6	**Mercury, Total (low level)**	**ND**	1.20	1.28	5.00	5.32		**ng/L**	5.00	34	1.06
2298539	**H015650-02**										
		Collection:	05/13/2024	08:31:00	Client				*Received:*	05/14/2024	
	Prepared: ***1119341***										
				Analyzed:	***1119481***			5/15/24	15:03:00		
7439-97-6	**Mercury, Total (low level)**	**ND**	1.20	1.28	5.00	5.32		**ng/L**	5.00	02	1.06

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SDL is Sample Detection Limit and is the adjusted MDL (sample specific dilutions, dry weight)
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H015650

CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Organics**									**ASTM D7065-11**	
2298524	**H015650-01**										
		Collection:	05/13/2024	08:20:00	Client				*Received:*	05/14/2024	
	Prepared: ***1120924***										
				Analyzed:	***1121305***			5/28/24	17:27:00		
25154-52-3	**Nonylphenol**	**ND**	5.00	4.93	30.0	29.6		**ug/L**	333	38	0.99
Non-Potable Water	**Organics**									**EPA 604.1**	
2298524	**H015650-01**										
		Collection:	05/13/2024	08:20:00	Client				*Received:*	05/14/2024	
	Prepared: ***1119417***										
				Analyzed:	***1119768***			5/16/24	18:53:00		
70-30-4	**Hexachlorophene**	**ND**	0.890	0.886	1.25	1.24		**ug/L**	10.0	35	1.00
Non-Potable Water	**Organics**									**EPA 608.3**	
2298524	**H015650-01**										
		Collection:	05/13/2024	08:20:00	Client				*Received:*	05/14/2024	
	Prepared: ***1119187***										
				Analyzed:	***1119795***			5/16/24	20:41:00		
72-54-8	**4,4-DDD**	**ND**	0.731	0.00724	1.00	0.0099		**ug/L**	0.100	30	0.01
72-55-9	**4,4-DDE**	**ND**	0.361	0.00357	1.00	0.0099		**ug/L**	0.100	30	0.01
50-29-3	**4,4-DDT**	**ND**	0.862	0.00853	1.00	0.0099		**ug/L**	0.020	30	0.01

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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	Organics									EPA 608.3	
309-00-2	Aldrin	ND	0.260	0.00257	1.00	0.0099		ug/L	0.010	30	0.01
319-84-6	Alpha-BHC(hexachlorocyclohexane)	ND	0.280	0.00277	1.00	0.0099		ug/L	0.050	30	0.01
319-85-7	Beta-BHC(hexachlorocyclohexane)	ND	0.579	0.00573	1.00	0.0099		ug/L	0.050	30	0.01
57-74-9	Chlordane	ND	18.3	0.181	20.0	0.198		ug/L	0.200	30	0.01
319-86-8	Delta-BHC(hexachlorocyclohexane)	ND	0.898	0.00889	1.00	0.0099		ug/L	0.050	30	0.01
60-57-1	Dieldrin	ND	0.162	0.0016	1.00	0.0099		ug/L	0.020	30	0.01
959-98-8	Endosulfan I (alpha)	ND	0.679	0.00672	1.00	0.0099		ug/L	0.010	30	0.01
33213-65-9	Endosulfan II (beta)	ND	0.356	0.00352	1.00	0.0099		ug/L	0.020	30	0.01
1031-07-8	Endosulfan sulfate	ND	0.588	0.00582	1.00	0.0099		ug/L	0.100	30	0.01
72-20-8	Endrin	ND	0.538	0.00533	1.00	0.0099		ug/L	0.020	30	0.01
7421-93-4	Endrin aldehyde	ND	0.699	0.00692	1.00	0.0099		ug/L	0.100	30	0.01
58-89-9	Gamma-BHC(Lindane)	ND	0.385	0.00381	1.00	0.0099		ug/L	0.050	30	0.01
76-44-8	Heptachlor	ND	0.207	0.00205	1.00	0.0099		ug/L	0.010	30	0.01
1024-57-3	Heptachlor epoxide	ND	0.660	0.00653	1.00	0.0099		ug/L	0.010	30	0.01
8001-35-2	Toxaphene	ND	16.9	0.167	20.0	0.198		ug/L	0.300	30	0.01
Prepared:	1119319										
				Analyzed:	1119829		5/16/24		20:41:00		
12674-11-2	PCB-1016	ND	0.202	0.200	0.202	0.200	SXD	ug/L	0.200	32	0.99
11104-28-2	PCB-1221	ND	0.143	0.142	0.200	0.198		ug/L	0.200	32	0.99
11141-16-5	PCB-1232	ND	0.143	0.142	0.200	0.198		ug/L	0.200	32	0.99
53469-21-9	PCB-1242	ND	0.192	0.190	0.200	0.198		ug/L	0.200	32	0.99
12672-29-6	PCB-1248	ND	0.143	0.142	0.200	0.198		ug/L	0.200	32	0.99
11097-69-1	PCB-1254	ND	0.143	0.142	0.200	0.198		ug/L	0.200	32	0.99
11096-82-5	PCB-1260	ND	0.161	0.159	0.200	0.198	SD	ug/L	0.200	32	0.99
37324-23-5	PCB-1262	ND	0.198	0.196	0.200	0.198		ug/L		32	0.99

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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water			Organics							EPA 608.3	
11100-14-4	**PCB-1268**	**ND**	0.143	0.142	0.200	0.198		**ug/L**		32	0.99
Non-Potable Water			Organics							EPA 614	
2298524	H015650-01										
		Collection:	05/13/2024		08:20:00	Client			*Received:*	05/14/2024	
	Prepared:	*1119194*									
				Analyzed:	*1120024*		5/16/24		16:19:00		
86-50-0	**Azinphos-methyl (Guthion)**	**ND**	41.4	0.041	50.0	0.0495	D	**ug/L**	0.100	31	0.00
8065-48-3	**Demeton**	**ND**	31.9	0.0316	50.0	0.0495	D	**ug/L**	0.200	31	0.00
333-41-5	**Diazinon**	**ND**	19.7	0.0195	50.0	0.0495	D	**ug/L**	0.100	31	0.00
121-75-5	**Malathion**	**ND**	24.8	0.0246	50.0	0.0495	D	**ug/L**	0.100	31	0.00
56-38-2	**Parathion, ethyl**	**ND**	23.9	0.0237	50.0	0.0495	D	**ug/L**	0.100	31	0.00
298-00-0	**Parathion, methyl**	**ND**	27.4	0.0271	50.0	0.0495		**ug/L**	0.050	31	0.00
Non-Potable Water			Organics							EPA 615	
2298524	H015650-01										
		Collection:	05/13/2024		08:20:00	Client			*Received:*	05/14/2024	
	Prepared:	*1119425*									
				Analyzed:	*1119920*		5/17/24		07:18:00		
94-75-7	**2,4 Dichlorophenoxyacetic acid**	**0.746**	0.159	0.155	0.500	0.488	SD	**ug/L**	0.700	36	0.98
93-72-1	**2,4,5-TP (Silvex)**	**ND**	0.0893	0.0872	0.300	0.293	S	**ug/L**	0.300	36	0.98
Non-Potable Water			Organics							EPA 617	

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Non-Potable Water			**Organics**							**EPA 617**	
2298524	**H015650-01**										
		Collection:	05/13/2024		08:20:00	Client			*Received:*	05/14/2024	
	Prepared:	*1119187*									
				Analyzed:	*1119794*		5/16/24		20:41:00		
115-32-2	**Kelthane (Dicofol)**	**ND**	3.52	0.0349	5.00	0.0495	X	**ug/L**	1.00	30	0.01
72-43-5	**Methoxychlor**	**ND**	0.897	0.00888	1.00	0.0099		**ug/L**	2.00	30	0.01
2385-85-5	**Mirex**	**ND**	0.905	0.00896	1.00	0.0099		**ug/L**	0.020	30	0.01
Non-Potable Water			**Organics**							**EPA 622**	
2298524	**H015650-01**										
		Collection:	05/13/2024		08:20:00	Client			*Received:*	05/14/2024	
	Prepared:	*1119194*									
				Analyzed:	*1120015*		5/16/24		16:19:00		
2921-88-2	**Chlorpyrifos**	**ND**	22.6	0.0224	50.0	0.0495	D	**ug/L**	0.050	31	0.00
Non-Potable Water			**Organics**							**EPA 624.1**	
2298524	**H015650-01**										
		Collection:	05/13/2024		08:20:00	Client			*Received:*	05/14/2024	
	Prepared:	*1119387*									
				Analyzed:	*1119387*		5/14/24		17:58:00		
107-02-8	**Acrolein**	**ND**	3.14	3.14	4.00	4.00		**ug/L**	50.0	18	1.00

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Non-Potable Water		**Organics**								**EPA 624.1**	
107-13-1	**Acrylonitrile**	**ND**	1.43	1.43	2.00	2.00	X	**ug/L**	50.0	18	1.00
Prepared:	*1119984*										
				Analyzed:	*1119984*			5/17/24	18:22:00		
71-55-6	**1,1,1-Trichloroethane**	**ND**	0.531	0.531	1.00	1.00		**ug/L**	10.0	13	1.00
79-34-5	**1,1,2,2-Tetrachloroethane**	**ND**	0.669	0.669	1.00	1.00		**ug/L**	10.0	13	1.00
79-00-5	**1,1,2-Trichloroethane**	**ND**	0.563	0.563	1.00	1.00		**ug/L**	10.0	13	1.00
75-34-3	**1,1-Dichloroethane**	**ND**	0.593	0.593	1.00	1.00		**ug/L**	5.00	13	1.00
75-35-4	**1,1-Dichloroethylene**	**ND**	0.574	0.574	1.00	1.00		**ug/L**	10.0	13	1.00
106-93-4	**1,2-Dibromoethane (EDB)**	**ND**	0.562	0.562	1.00	1.00		**ug/L**	10.0	13	1.00
107-06-2	**1,2-Dichloroethane**	**ND**	0.590	0.590	1.00	1.00		**ug/L**	10.0	13	1.00
78-87-5	**1,2-Dichloropropane**	**ND**	0.615	0.615	1.00	1.00		**ug/L**	10.0	13	1.00
110-75-8	**2-Chloroethylvinyl ether**	**ND**	0.423	0.423	1.00	1.00		**ug/L**	10.0	13	1.00
71-43-2	**Benzene**	**ND**	0.453	0.453	1.00	1.00		**ug/L**	10.0	13	1.00
75-27-4	**Bromodichloromethane**	**ND**	0.409	0.409	1.00	1.00		**ug/L**	10.0	13	1.00
75-25-2	**Bromoform**	**ND**	0.500	0.500	1.00	1.00		**ug/L**	10.0	13	1.00
74-83-9	**Bromomethane (Methyl Bromi**	**ND**	0.677	0.677	1.00	1.00		**ug/L**	50.0	13	1.00
56-23-5	**Carbon Tetrachloride**	**ND**	0.299	0.299	1.00	1.00	S	**ug/L**	2.00	13	1.00
108-90-7	**Chlorobenzene**	**ND**	0.558	0.558	1.00	1.00		**ug/L**	10.0	13	1.00
75-00-3	**Chloroethane**	**ND**	1.12	1.12	1.12	1.12		**ug/L**	50.0	13	1.00
67-66-3	**Chloroform**	**ND**	0.463	0.463	1.00	1.00		**ug/L**	10.0	13	1.00
74-87-3	**Chloromethane (Methyl Chloride)**	**ND**	0.811	0.811	1.00	1.00		**ug/L**	50.0	13	1.00
10061-01-5	**cis-1,3-Dichloropropene**	**ND**	0.660	0.660	1.00	1.00		**ug/L**	10.0	13	1.00
124-48- 1	**Dibromochloromethane**	**ND**	0.311	0.311	1.00	1.00		**ug/L**	10.0	13	1.00
75-09-2	**Dichloromethane**	**ND**	1.02	1.02	1.02	1.02		**ug/L**	20.0	13	1.00
100-41-4	**Ethylbenzene**	**ND**	0.498	0.498	1.00	1.00		**ug/L**	10.0	13	1.00

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RESULTS

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AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	Organics								EPA 624.1		
541-73-1	m-Dichlorobenzene (1,3-DCB)	ND	0.619	0.619	1.00	1.00		ug/L	10.0	13	1.00
78-93-3	Methyl ethyl ketone (Butanone)	ND	0.742	0.742	1.00	1.00		ug/L	50.0	13	1.00
95-50-1	o-Dichlorobenzene (1,2-DCB)	ND	0.532	0.532	1.00	1.00		ug/L	10.0	13	1.00
106-46-7	p-Dichlorobenzene (1,4-DCB)	ND	0.837	0.837	1.00	1.00		ug/L	10.0	13	1.00
127-18-4	Tetrachloroethylene	ND	0.607	0.607	1.00	1.00		ug/L	10.0	13	1.00
108-88-3	Toluene	ND	0.655	0.655	1.00	1.00		ug/L	10.0	13	1.00
156-60-5	trans-1,2-Dichloroethylene	ND	0.701	0.701	1.00	1.00		ug/L	10.0	13	1.00
10061-02-6	trans-1,3-Dichloropropene	ND	0.627	0.627	1.00	1.00		ug/L	10.0	13	1.00
79-01-6	Trichloroethylene	ND	0.521	0.521	1.00	1.00		ug/L	10.0	13	1.00
75-01-4	Vinyl chloride	ND	0.702	0.702	1.00	1.00		ug/L	10.0	13	1.00

Non-Potable Water — Organics — EPA 625.1

2298524 H015650-01

Collection: 05/13/2024 08:20:00 Client *Received:* 05/14/2024

Prepared: *1119641*

Analyzed: *1120178* 5/17/24 23:11:00

CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.517	0.508	1.00	0.983		ug/L	20.0	37	0.98
120-82-1	1,2,4-Trichlorobenzene	ND	0.720	0.708	1.00	0.983		ug/L	10.0	37	0.98
95-50-1	1,2-Dichlorobenzene	ND	0.598	0.588	1.00	0.983		ug/L	10.0	37	0.98
122-66-7	1,2-DPH (as azobenzene)	ND	0.695	0.683	1.00	0.983		ug/L	20.0	37	0.98
541-73-1	1,3-Dichlorobenzene	ND	0.686	0.675	1.00	0.983		ug/L	10.0	37	0.98
106-46-7	1,4-Dichlorobenzene	ND	0.633	0.622	1.00	0.983		ug/L	10.0	37	0.98
95-95-4	2,4,5-Trichlorophenol	ND	0.734	0.722	1.00	0.983		ug/L	50.0	37	0.98
88-06-2	2,4,6-Trichlorophenol	ND	0.704	0.692	1.00	0.983		ug/L	10.0	37	0.98

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AquaTech Laboratories
John Brien
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Bryan, TX 77807-9104

CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	Organics									EPA 625.1	
120-83-2	2,4-Dichlorophenol	ND	0.567	0.558	1.00	0.983		ug/L	10.0	37	0.98
105-67-9	2,4-Dimethylphenol	ND	2.32	2.28	2.40	2.36		ug/L	10.0	37	0.98
51-28-5	2,4-Dinitrophenol	ND	8.07	7.94	9.00	8.85		ug/L	50.0	37	0.98
121-14-2	2,4-Dinitrotoluene	ND	3.35	3.29	3.50	3.44		ug/L	10.0	37	0.98
606-20-2	2,6-Dinitrotoluene	ND	0.675	0.664	1.00	0.983		ug/L	10.0	37	0.98
91-58-7	2-Chloronaphthalene	ND	0.333	0.327	1.00	0.983		ug/L	10.0	37	0.98
95-57-8	2-Chlorophenol	ND	0.367	0.361	1.00	0.983		ug/L	10.0	37	0.98
95-48-7	2-Methylphenol (o-Cresol)	ND	5.13	5.04	5.20	5.11		ug/L	10.0	37	0.98
88-75-5	2-Nitrophenol	ND	0.495	0.487	1.00	0.983		ug/L	20.0	37	0.98
MEPH34	3&4-Methylphenol (m&p-Cresol)	ND	6.15	6.05	6.20	6.10		ug/L	10.0	37	0.98
91-94-1	3,3'-Dichlorobenzidine	ND	4.79	4.71	5.00	4.92		ug/L	5.00	37	0.98
534-52-1	4,6-Dinitro-2-methylphenol	ND	7.88	7.75	8.00	7.87		ug/L	50.0	37	0.98
101-55-3	4-Bromophenyl phenyl ether	ND	0.311	0.306	1.00	0.983		ug/L	10.0	37	0.98
7005-72-3	4-Chlorophenyl phenyl ethe	ND	0.281	0.276	1.00	0.983		ug/L	10.0	37	0.98
100-02-7	4-Nitrophenol	ND	0.932	0.916	1.00	0.983		ug/L	50.0	37	0.98
83-32-9	Acenaphthene	ND	0.139	0.137	1.00	0.983		ug/L	10.0	37	0.98
208-96-8	Acenaphthylene	ND	0.202	0.199	1.00	0.983		ug/L	10.0	37	0.98
62-53-3	Aniline	ND	0.367	0.361	1.00	0.983	S	ug/L	10.0	37	0.98
120-12-7	Anthracene	ND	0.538	0.529	1.00	0.983		ug/L	10.0	37	0.98
92-87-5	Benzidine	ND	19.9	19.6	20.0	19.7		ug/L	50.0	37	0.98
56-55-3	Benzo(a)anthracene	ND	0.627	0.617	1.00	0.983		ug/L	5.00	37	0.98
50-32-8	Benzo(a)pyrene	ND	0.478	0.470	1.00	0.983		ug/L	5.00	37	0.98
205-99-2	Benzo(b)fluoranthene	ND	0.517	0.508	1.00	0.983		ug/L	10.0	37	0.98
191-24-2	Benzo(ghi)perylene	ND	0.750	0.737	1.00	0.983		ug/L	20.0	37	0.98
207-08-9	Benzo(k)fluoranthene	ND	0.763	0.750	1.00	0.983		ug/L	5.00	37	0.98

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RESULTS

Project 1103113

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H015650

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	Organics									EPA 625.1	
85-68-7	Benzyl Butyl phthalate	ND	0.696	0.684	7.50	7.37		ug/L	10.0	37	0.98
111-91-1	Bis(2-chloroethoxy)methane	ND	0.312	0.307	1.00	0.983		ug/L	10.0	37	0.98
111-44-4	Bis(2-chloroethyl)ether	ND	0.434	0.427	1.00	0.983		ug/L	10.0	37	0.98
108-60-1	Bis(2-chloroisopropyl)ether	ND	0.448	0.441	1.00	0.983		ug/L	10.0	37	0.98
117-81-7	Bis(2-ethylhexyl)phthalate	ND	1.63	1.60	7.50	7.37		ug/L	10.0	37	0.98
218-01-9	Chrysene (Benzo(a)phenanthrene)	ND	0.575	0.565	1.00	0.983		ug/L	5.00	37	0.98
53-70-3	Dibenz(a,h)anthracene	ND	0.872	0.857	1.00	0.983		ug/L	5.00	37	0.98
84-66-2	Diethyl phthalate	ND	0.721	0.709	5.70	5.60		ug/L	10.0	37	0.98
131-11-3	Dimethyl phthalate	ND	0.497	0.489	4.80	4.72		ug/L	10.0	37	0.98
84-74-2	Di-n-butylphthalate	ND	0.834	0.820	7.50	7.37		ug/L	10.0	37	0.98
117-84-0	Di-n-octylphthalate	ND	0.782	0.769	1.00	0.983		ug/L	10.0	37	0.98
206-44-0	Fluoranthene(Benzo(j,k)fluorene)	ND	0.772	0.759	1.00	0.983		ug/L	10.0	37	0.98
86-73-7	Fluorene	ND	0.512	0.503	1.00	0.983		ug/L	10.0	37	0.98
118-74-1	Hexachlorobenzene	ND	0.187	0.184	1.00	0.983		ug/L	5.00	37	0.98
87-68-3	Hexachlorobutadiene	ND	0.618	0.608	1.00	0.983		ug/L	10.0	37	0.98
77-47-4	Hexachlorocyclopentadiene	ND	8.69	8.54	9.00	8.85		ug/L	10.0	37	0.98
67-72-1	Hexachloroethane	ND	0.789	0.776	1.00	0.983		ug/L	20.0	37	0.98
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.793	0.780	1.00	0.983		ug/L	5.00	37	0.98
78-59-1	Isophorone	ND	0.468	0.460	1.00	0.983		ug/L	10.0	37	0.98
91-20-3	Naphthalene	ND	0.387	0.381	1.00	0.983		ug/L	10.0	37	0.98
98-95-3	Nitrobenzene	ND	0.390	0.383	1.00	0.983		ug/L	10.0	37	0.98
55-18-5	n-Nitrosodiethylamine	ND	0.282	0.277	1.00	0.983		ug/L	20.0	37	0.98
62-75-9	N-Nitrosodimethylamine	ND	6.64	6.53	7.00	6.88		ug/L	50.0	37	0.98
924-16-3	n-Nitroso-di-n-butylamine	ND	0.403	0.396	1.00	0.983		ug/L	20.0	37	0.98
621-64-7	N-Nitrosodi-n-propylamine	ND	0.777	0.764	1.00	0.983		ug/L	20.0	37	0.98

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RESULTS

Project
1103113

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AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

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H015650

CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Organics**									**EPA 625.1**	
86-30-6	N-Nitrosodiphenylamine (as DPA	ND	0.427	0.420	1.00	0.983		ug/L	20.0	37	0.98
59-50-7	p-Chloro-m-Cresol (4-Chloro-3-me	ND	2.35	2.31	2.40	2.36		ug/L	10.0	37	0.98
608-93-5	Pentachlorobenzene	ND	0.420	0.413	1.00	0.983		ug/L	20.0	37	0.98
87-86-5	Pentachlorophenol	ND	0.129	0.127	1.00	0.983		ug/L	5.00	37	0.98
85-01-8	Phenanthrene	ND	0.624	0.614	1.00	0.983		ug/L	10.0	37	0.98
108-95-2	Phenol	ND	1.50	1.47	1.50	1.47		ug/L	10.0	37	0.98
129-00-0	Pyrene	ND	0.587	0.577	1.00	0.983		ug/L	10.0	37	0.98
110-86-1	Pyridine	ND	5.33	5.24	5.40	5.31		ug/L	20.0	37	0.98
Non-Potable Water	**Organics**									**EPA 632**	
2298524	H015650-01										
	Collection:	05/13/2024	08:20:00	Client		*Received:*	05/14/2024				
	Prepared:	*1119184*									
	Analyzed:	*1120982*	5/21/24	23:53:00							
63-25-2	Carbaryl (Sevin)	ND	66.1	0.0654	2500	2.48		ug/L	5.00	29	0.00
330-54-1	Diuron	ND	44.4	0.044	45.0	0.0446		ug/L	0.090	29	0.00

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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John Brien
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Bryan, TX 77807-9104

Qualifiers:

D - Duplicate RPD was higher than expected
X - Standard reads higher than desired.
S - Standard reads lower than desired

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

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

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

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

Bill Peery, MS, VP Technical Services

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1 2 3 4 5 6 7 8 9 10 11

AQU1-G

AquaTech Laboratories
John Brien
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Bryan, TX 77807-9104

Project
1103113

Printed 05/31/2024

Analytical Set 1119897 — SM 4500-CN⁻ G-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide After Chlorination	1119287	ND	0.00119	0.0025	mg/L	126347109

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.533	0.500	mg/L	107	90.0 - 110	126347101
Cyanide After Chlorination	0.537	0.500	mg/L	107	90.0 - 110	126347111
Cyanide After Chlorination	0.532	0.500	mg/L	106	90.0 - 110	126347122
Cyanide After Chlorination	0.525	0.500	mg/L	105	90.0 - 110	126347123
Cyanide After Chlorination	0.542	0.500	mg/L	108	90.0 - 110	126347124
Cyanide After Chlorination	0.544	0.500	mg/L	109	90.0 - 110	126347125
Cyanide After Chlorination	0.524	0.500	mg/L	105	90.0 - 110	126347126
Cyanide After Chlorination	0.537	0.500	mg/L	107	90.0 - 110	126347127
Cyanide After Chlorination	0.531	0.500	mg/L	106	90.0 - 110	126347128
Cyanide After Chlorination	0.546	0.500	mg/L	109	90.0 - 110	126347129

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide After Chlorination	2298041	ND	ND	mg/L		20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.216	0.200	mg/L	108	90.0 - 110	126347600

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide After Chlorination	1119287	0.197	0.189	0.200	90.0 - 110	98.5	94.5	mg/L	4.15	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Cyanide After Chlorination	2298041	0.382	ND	0.400	mg/L	95.5	90.0 - 110	126347121

Analytical Set 1119899 — SM 4500-CN⁻ E-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide, total	1119284	ND	0.00238	0.005	mg/L	126347237

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.533	0.500	mg/L	107	90.0 - 110	126347218
Cyanide, total	0.537	0.500	mg/L	107	90.0 - 110	126347219
Cyanide, total	0.532	0.500	mg/L	106	90.0 - 110	126347220
Cyanide, total	0.525	0.500	mg/L	105	90.0 - 110	126347231
Cyanide, total	0.542	0.500	mg/L	108	90.0 - 110	126347242
Cyanide, total	0.544	0.500	mg/L	109	90.0 - 110	126347253
Cyanide, total	0.524	0.500	mg/L	105	90.0 - 110	126347259

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.537	0.500	mg/L	107	90.0 - 110	126347260
Cyanide, total	0.531	0.500	mg/L	106	90.0 - 110	126347261
Cyanide, total	0.546	0.500	mg/L	109	90.0 - 110	126347262

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide, total	2297500	ND	ND	mg/L		20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.216	0.200	mg/L	108	90.0 - 110	126347762

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide, total	1119284	0.391	0.383	0.400	90.0 - 110	97.8	95.8	mg/L	2.07	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Cyanide, total	2297500	0.381	ND	0.400	mg/L	95.2	90.0 - 110	126347236

Analytical Set 1119458 — EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Silver, Total	1119313	ND	0.000226	0.001	mg/L	126339574

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Silver, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	126339592
Silver, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	126339602

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Silver, Total	0.050	0.05	mg/L	100	90.0 - 110	126339559

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Silver, Total	1119313	0.0985	0.0979	0.100	85.0 - 115	98.5	97.9	mg/L	0.611	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Silver, Total	2298276	0.0985	0.104	ND	0.100	70.0 - 130	98.5	104	mg/L	5.43	20.0

Analytical Set 1119481 — EPA 245.7 2

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury, Total (low level)	1119341	ND	1.20	5.00	ng/L	126340045

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CCB

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury, Total (low level)	1119341	2.69	1.20	5.00	ng/L	126340044
Mercury, Total (low level)	1119341	1.99	1.20	5.00	ng/L	126340055
Mercury, Total (low level)	1119481	1.68	1.20	5.00	ng/L	126340066

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	26.0	25.0	ng/L	104	87.0 - 113	126340013
Mercury, Total (low level)	26.5	25.0	ng/L	106	87.0 - 113	126340025
Mercury, Total (low level)	26.8	25.0	ng/L	107	87.0 - 113	126340037
Mercury, Total (low level)	26.9	25.0	ng/L	108	87.0 - 113	126340043
Mercury, Total (low level)	26.9	25.0	ng/L	108	87.0 - 113	126340054
Mercury, Total (low level)	27.6	25.0	ng/L	110	87.0 - 113	126340065

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	50.0	50.0	ng/L	100	90.0 - 110	126340007

ICV

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)	1119341	26.0	25.7	25.0	76.0 - 115	104	103	ng/L	1.16	50.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury, Total (low level)	2298092	12.9	13.2	2.35	13.3	63.0 - 111	79.3	81.6	ng/L	2.80	18.0
Mercury, Total (low level)	2298539	26.9	25.3	1.77	26.6	63.0 - 111	94.5	88.5	ng/L	6.58	18.0

Analytical Set 1119387 — EPA 624.1

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1119387	174	0	0.0	0 - 2.00	126337950
BFB Mass 174	1119387	95.0	4955	73.7	50.0 - 100	126337950
BFB Mass 175	1119387	174	348	7.0	5.00 - 9.00	126337950
BFB Mass 176	1119387	174	4773	96.3	95.0 - 101	126337950
BFB Mass 177	1119387	176	278	5.8	5.00 - 9.00	126337950
BFB Mass 50	1119387	95.0	1601	23.8	15.0 - 40.0	126337950
BFB Mass 75	1119387	95.0	3653	54.3	30.0 - 60.0	126337950
BFB Mass 95	1119387	95.0	6727	100.0	100 - 100	126337950
BFB Mass 96	1119387	95.0	423	6.3	5.00 - 9.00	126337950

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Acrolein	1119387	ND	3.14	4.00	ug/L	126337954
Acrylonitrile	1119387	ND	1.43	2.00	ug/L	126337954

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IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1119387	LCS	47370	45810	22900	68710	126337952	1119387
1,4-DichlorobenzeneD4 (ISTD)	1119387	LCS Dup	49960	45810	22900	68710	126337953	1119387
1,4-DichlorobenzeneD4 (ISTD)	1119387	Blank	31650	45810	22900	68710	126337954	1119387
ChlorobenzeneD5 (ISTD)	1119387	LCS	91510	83250	41620	124900	126337952	1119387
ChlorobenzeneD5 (ISTD)	1119387	LCS Dup	97250	83250	41620	124900	126337953	1119387
ChlorobenzeneD5 (ISTD)	1119387	Blank	70380	83250	41620	124900	126337954	1119387
1,4-DichlorobenzeneD4 (ISTD)	2298245	MS	49780	45810	22900	68710	126337956	1119387
1,4-DichlorobenzeneD4 (ISTD)	2298245	MSD	51780	45810	22900	68710	126337957	1119387
ChlorobenzeneD5 (ISTD)	2298245	MS	93530	83250	41620	124900	126337956	1119387
ChlorobenzeneD5 (ISTD)	2298245	MSD	95440	83250	41620	124900	126337957	1119387
1,4-DichlorobenzeneD4 (ISTD)	2298524	Unknown	40570	45810	22900	68710	126337958	1119387
ChlorobenzeneD5 (ISTD)	2298524	Unknown	94160	83250	41620	124900	126337958	1119387

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1119387	LCS	11.09	11.09	11.03	11.15	126337952	1119387
1,4-DichlorobenzeneD4 (ISTD)	1119387	LCS Dup	11.09	11.09	11.03	11.15	126337953	1119387
1,4-DichlorobenzeneD4 (ISTD)	1119387	Blank	11.09	11.09	11.03	11.15	126337954	1119387
ChlorobenzeneD5 (ISTD)	1119387	LCS	8.733	8.733	8.673	8.793	126337952	1119387
ChlorobenzeneD5 (ISTD)	1119387	LCS Dup	8.733	8.733	8.673	8.793	126337953	1119387
ChlorobenzeneD5 (ISTD)	1119387	Blank	8.733	8.733	8.673	8.793	126337954	1119387
1,4-DichlorobenzeneD4 (ISTD)	2298245	MS	11.09	11.09	11.03	11.15	126337956	1119387
1,4-DichlorobenzeneD4 (ISTD)	2298245	MSD	11.09	11.09	11.03	11.15	126337957	1119387
ChlorobenzeneD5 (ISTD)	2298245	MS	8.733	8.733	8.673	8.793	126337956	1119387
ChlorobenzeneD5 (ISTD)	2298245	MSD	8.733	8.733	8.673	8.793	126337957	1119387
1,4-DichlorobenzeneD4 (ISTD)	2298524	Unknown	11.10	11.09	11.03	11.15	126337958	1119387
ChlorobenzeneD5 (ISTD)	2298524	Unknown	8.733	8.733	8.673	8.793	126337958	1119387

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Acrolein	1119387	35.6	31.6	40.0	60.0 - 140	89.0	79.0	ug/L	11.9	30.0
Acrylonitrile	1119387	71.8	66.8	40.0	60.0 - 140	180 *	167 *	ug/L	7.49	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Acrolein	2298245	98.4	87.8	ND	200	40.0 - 160	49.2	43.9	ug/L	11.4	60.0
Acrylonitrile	2298245	306	322	ND	200	40.0 - 160	153	161 *	ug/L	5.10	60.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1119387	LCS	28.0	20.0	ug/L	140 *	70.0 - 130	126337952
1,2-DCA-d4 (SURR)	1119387	LCS Dup	28.9	20.0	ug/L	144 *	70.0 - 130	126337953
1,2-DCA-d4 (SURR)	1119387	Blank	29.4	20.0	ug/L	147 *	70.0 - 130	126337954
Bromofluorobenzene (SURR)	1119387	LCS	23.1	20.0	ug/L	116	70.0 - 130	126337952
Bromofluorobenzene (SURR)	1119387	LCS Dup	24.1	20.0	ug/L	120	70.0 - 130	126337953
Bromofluorobenzene (SURR)	1119387	Blank	21.1	20.0	ug/L	106	70.0 - 130	126337954

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Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Dibromofluoromethane (SURR)	1119387	LCS	23.0	20.0	ug/L	115	70.0 - 130	126337952
Dibromofluoromethane (SURR)	1119387	LCS Dup	22.8	20.0	ug/L	114	70.0 - 130	126337953
Dibromofluoromethane (SURR)	1119387	Blank	24.2	20.0	ug/L	121	70.0 - 130	126337954
TolueneD8 (SURR)	1119387	LCS	24.6	20.0	ug/L	123	70.0 - 130	126337952
TolueneD8 (SURR)	1119387	LCS Dup	24.5	20.0	ug/L	122	70.0 - 130	126337953
TolueneD8 (SURR)	1119387	Blank	23.7	20.0	ug/L	118	70.0 - 130	126337954
1,2-DCA-d4 (SURR)	2298245	MS	28.1	20.0	ug/L	140 *	70.0 - 130	126337956
1,2-DCA-d4 (SURR)	2298245	MSD	29.6	20.0	ug/L	148 *	70.0 - 130	126337957
Bromofluorobenzene (SURR)	2298245	MS	22.3	20.0	ug/L	112	70.0 - 130	126337956
Bromofluorobenzene (SURR)	2298245	MSD	21.4	20.0	ug/L	107	70.0 - 130	126337957
Dibromofluoromethane (SURR)	2298245	MS	22.8	20.0	ug/L	114	70.0 - 130	126337956
Dibromofluoromethane (SURR)	2298245	MSD	23.8	20.0	ug/L	119	70.0 - 130	126337957
TolueneD8 (SURR)	2298245	MS	23.6	20.0	ug/L	118	70.0 - 130	126337956
TolueneD8 (SURR)	2298245	MSD	24.5	20.0	ug/L	122	70.0 - 130	126337957
1,2-DCA-d4 (SURR)	2298524	Unknown	30.3	20.0	ug/L	152 *	70.0 - 130	126337958
Bromofluorobenzene (SURR)	2298524	Unknown	23.4	20.0	ug/L	117	70.0 - 130	126337958
Dibromofluoromethane (SURR)	2298524	Unknown	24.2	20.0	ug/L	121	70.0 - 130	126337958
TolueneD8 (SURR)	2298524	Unknown	23.9	20.0	ug/L	120	70.0 - 130	126337958

Analytical Set 1119768 — EPA 604.1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Hexachlorophene	1119417	ND	0.890	1.25	ug/L	126344729

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Hexachlorophene	5550	5000	ug/L	111	70.0 - 130	126344728
Hexachlorophene	6020	5000	ug/L	120	70.0 - 130	126344741

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Hexachlorophene	1119417	326	41.8	50.0	25.5 - 145	65.2	83.6	ug/L	24.7	50.0

Analytical Set 1119794 — EPA 617

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Kelthane (Dicofol)	1119187	ND	3.52	5.00	ug/L	126345302
Methoxychlor	1119187	ND	0.897	1.00	ug/L	126345302
Mirex	1119187	ND	0.905	1.00	ug/L	126345302

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Kelthane (Dicofol)	100	100	ug/L	100	70.0 - 130	126345301
Kelthane (Dicofol)	102	100	ug/L	102	70.0 - 130	126345306
Methoxychlor	51.7	50.0	ug/L	103	70.0 - 130	126345301

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Parameter	Reading	Known	Units	Recover%	Limits%	File
Methoxychlor	37.3	50.0	ug/L	74.6	70.0 - 130	126345306
Mirex	48.2	50.0	ug/L	96.4	70.0 - 130	126345301
Mirex	46.4	50.0	ug/L	92.7	70.0 - 130	126345306

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Kelthane (Dicofol)	1119187	138	129	100	0.100 - 137	138 *	129	ug/L	6.74	30.0
Methoxychlor	1119187	41.9	35.6	100	21.5 - 151	41.9	35.6	ug/L	16.3	30.0
Mirex	1119187	55.7	48.3	100	11.6 - 140	55.7	48.3	ug/L	14.2	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	624136	CCV	51.6	100	ug/L	51.6	10.0 - 150	126345301
Decachlorobiphenyl	624136	CCV	47.9	100	ug/L	47.9	10.0 - 150	126345306
Tetrachloro-m-Xylene (Surr)	624136	CCV	45.5	100	ug/L	45.5	10.0 - 150	126345301
Tetrachloro-m-Xylene (Surr)	624136	CCV	42.0	100	ug/L	42.0	10.0 - 150	126345306
Decachlorobiphenyl	1119187	Blank	62.4	100	ug/L	62.4	10.0 - 150	126345302
Decachlorobiphenyl	1119187	LCS	70.5	100	ug/L	70.5	10.0 - 150	126345303
Decachlorobiphenyl	1119187	LCS Dup	66.0	100	ug/L	66.0	10.0 - 150	126345304
Tetrachloro-m-Xylene (Surr)	1119187	Blank	30.3	100	ug/L	30.3	10.0 - 150	126345302
Tetrachloro-m-Xylene (Surr)	1119187	LCS	33.2	100	ug/L	33.2	10.0 - 150	126345303
Tetrachloro-m-Xylene (Surr)	1119187	LCS Dup	52.7	100	ug/L	52.7	10.0 - 150	126345304
Decachlorobiphenyl	2298524	Unknown	0.041	0.099	ug/L	41.4	10.0 - 150	126345305
Tetrachloro-m-Xylene (Surr)	2298524	Unknown	0.0276	0.099	ug/L	27.9	10.0 - 150	126345305

Analytical Set 1119795 EPA 608.3

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
4,4-DDD	1119187	ND	0.731	1.00	ug/L	126345320
4,4-DDE	1119187	ND	0.361	1.00	ug/L	126345320
4,4-DDT	1119187	ND	0.862	1.00	ug/L	126345320
Aldrin	1119187	ND	0.260	1.00	ug/L	126345320
Alpha-BHC(hexachlorocyclohexane)	1119187	ND	0.280	1.00	ug/L	126345320
Beta-BHC(hexachlorocyclohexane)	1119187	ND	0.579	1.00	ug/L	126345320
Delta-BHC(hexachlorocyclohexane)	1119187	ND	0.898	1.00	ug/L	126345320
Dieldrin	1119187	ND	0.162	1.00	ug/L	126345320
Endosulfan I (alpha)	1119187	ND	0.679	1.00	ug/L	126345320
Endosulfan II (beta)	1119187	0.574	0.356	1.00	ug/L	126345320
Endosulfan sulfate	1119187	ND	0.588	1.00	ug/L	126345320
Endrin	1119187	ND	0.538	1.00	ug/L	126345320
Endrin aldehyde	1119187	ND	0.699	1.00	ug/L	126345320
Gamma-BHC(Lindane)	1119187	ND	0.385	1.00	ug/L	126345320
Heptachlor	1119187	ND	0.207	1.00	ug/L	126345320
Heptachlor epoxide	1119187	ND	0.660	1.00	ug/L	126345320
Toxaphene	1119187	ND	0.169	0.200	ug/L	126345320

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Parameter	Reading	Known	Units	Recover%	Limits%	File
4,4-DDD	53.9	50.0	ug/L	108	75.0 - 125	126345319
4,4-DDD	51.4	50.0	ug/L	103	75.0 - 125	126345324
4,4-DDE	50.0	50.0	ug/L	100	75.0 - 125	126345319
4,4-DDE	47.8	50.0	ug/L	95.6	75.0 - 125	126345324
4,4-DDT	58.7	50.0	ug/L	117	75.0 - 125	126345319
4,4-DDT	47.3	50.0	ug/L	94.6	75.0 - 125	126345324
Aldrin	48.3	50.0	ug/L	96.6	75.0 - 125	126345319
Aldrin	49.6	50.0	ug/L	99.2	75.0 - 125	126345324
Alpha-BHC(hexachlorocyclohexane)	46.6	50.0	ug/L	93.2	75.0 - 125	126345319
Alpha-BHC(hexachlorocyclohexane)	50.4	50.0	ug/L	101	75.0 - 125	126345324
Beta-BHC(hexachlorocyclohexane)	46.2	50.0	ug/L	92.4	75.0 - 125	126345319
Beta-BHC(hexachlorocyclohexane)	45.4	50.0	ug/L	90.8	75.0 - 125	126345324
Delta-BHC(hexachlorocyclohexane)	48.2	50.0	ug/L	96.4	75.0 - 125	126345319
Delta-BHC(hexachlorocyclohexane)	49.1	50.0	ug/L	98.2	75.0 - 125	126345324
Dieldrin	50.2	50.0	ug/L	100	75.0 - 125	126345319
Dieldrin	47.5	50.0	ug/L	95.0	75.0 - 125	126345324
Endosulfan I (alpha)	48.9	50.0	ug/L	97.8	75.0 - 125	126345319
Endosulfan I (alpha)	46.9	50.0	ug/L	93.8	75.0 - 125	126345324
Endosulfan II (beta)	50.7	50.0	ug/L	101	75.0 - 125	126345319
Endosulfan II (beta)	45.7	50.0	ug/L	91.4	75.0 - 125	126345324
Endosulfan sulfate	46.9	50.0	ug/L	93.8	75.0 - 125	126345319
Endosulfan sulfate	50.0	50.0	ug/L	100	75.0 - 125	126345324
Endrin	51.0	50.0	ug/L	102	75.0 - 125	126345319
Endrin	45.9	50.0	ug/L	91.8	75.0 - 125	126345324
Endrin aldehyde	50.5	50.0	ug/L	101	75.0 - 125	126345319
Endrin aldehyde	42.7	50.0	ug/L	85.4	75.0 - 125	126345324
Gamma-BHC(Lindane)	46.7	50.0	ug/L	93.4	75.0 - 125	126345319
Gamma-BHC(Lindane)	47.2	50.0	ug/L	94.4	75.0 - 125	126345324
Heptachlor	46.5	50.0	ug/L	93.0	75.0 - 125	126345319
Heptachlor	39.1	50.0	ug/L	78.2	75.0 - 125	126345324
Heptachlor epoxide	47.5	50.0	ug/L	95.0	75.0 - 125	126345319
Heptachlor epoxide	46.3	50.0	ug/L	92.6	75.0 - 125	126345324

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
4,4-DDD	1119187	46.8	41.5	50.0	31.0 - 141	93.6	83.0	ug/L	12.0	39.0
4,4-DDE	1119187	40.9	36.2	50.0	30.0 - 145	81.8	72.4	ug/L	12.2	35.0
4,4-DDT	1119187	50.3	39.9	50.0	25.0 - 160	101	79.8	ug/L	23.5	42.0
Aldrin	1119187	32.6	35.9	50.0	42.0 - 140	65.2	71.8	ug/L	9.64	35.0
Alpha-BHC(hexachlorocyclohexane)	1119187	29.8	38.5	50.0	37.0 - 140	59.6	77.0	ug/L	25.5	36.0
Beta-BHC(hexachlorocyclohexane)	1119187	49.0	45.5	50.0	17.0 - 147	98.0	91.0	ug/L	7.41	44.0
Delta-BHC(hexachlorocyclohexane)	1119187	41.7	39.0	50.0	19.0 - 140	83.4	78.0	ug/L	6.69	52.0
Dieldrin	1119187	41.4	37.7	50.0	36.0 - 146	82.8	75.4	ug/L	9.36	49.0
Endosulfan I (alpha)	1119187	36.0	34.4	50.0	45.0 - 153	72.0	68.8	ug/L	4.55	28.0
Endosulfan II (beta)	1119187	29.8	25.0	50.0	0.100 - 202	59.6	50.0	ug/L	17.5	53.0

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LCS Dup

Parameter	PrepSet	LCS	LCSD		Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Endosulfan sulfate	1119187	34.5	29.7		50.0	26.0 - 144	69.0	59.4	ug/L	15.0	38.0
Endrin	1119187	41.8	38.5		50.0	30.0 - 147	83.6	77.0	ug/L	8.22	48.0
Endrin aldehyde	1119187	44.1	37.3		50.0	37.6 - 158	88.2	74.6	ug/L	16.7	30.0
Gamma-BHC(Lindane)	1119187	30.9	34.6		50.0	32.0 - 140	61.8	69.2	ug/L	11.3	39.0
Heptachlor	1119187	30.2	34.3		50.0	34.0 - 140	60.4	68.6	ug/L	12.7	43.0
Heptachlor epoxide	1119187	40.0	36.5		50.0	37.0 - 142	80.0	73.0	ug/L	9.15	26.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	624136	CCV	51.6	100	ug/L	51.6	0.100 - 144	126345319
Decachlorobiphenyl	624136	CCV	47.9	100	ug/L	47.9	0.100 - 144	126345324
Tetrachloro-m-Xylene (Surr)	624136	CCV	45.5	100	ug/L	45.5	0.100 - 107	126345319
Tetrachloro-m-Xylene (Surr)	624136	CCV	42.0	100	ug/L	42.0	0.100 - 107	126345324
Decachlorobiphenyl	1119187	Blank	62.4	100	ug/L	62.4	0.100 - 144	126345320
Decachlorobiphenyl	1119187	LCS	70.5	100	ug/L	70.5	0.100 - 144	126345321
Decachlorobiphenyl	1119187	LCS Dup	66.0	100	ug/L	66.0	0.100 - 144	126345322
Tetrachloro-m-Xylene (Surr)	1119187	Blank	30.3	100	ug/L	30.3	0.100 - 107	126345320
Tetrachloro-m-Xylene (Surr)	1119187	LCS	33.2	100	ug/L	33.2	0.100 - 107	126345321
Tetrachloro-m-Xylene (Surr)	1119187	LCS Dup	52.7	100	ug/L	52.7	0.100 - 107	126345322
Decachlorobiphenyl	2298524	Unknown	0.041	0.099	ug/L	41.4	0.100 - 144	126345323
Tetrachloro-m-Xylene (Surr)	2298524	Unknown	0.0276	0.099	ug/L	27.9	0.100 - 107	126345323

Analytical Set 1119829 EPA 608.3

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
PCB-1016	1119319	ND	0.202	0.202	ug/L	126345843
PCB-1221	1119319	ND	0.143	0.200	ug/L	126345843
PCB-1232	1119319	ND	0.143	0.200	ug/L	126345843
PCB-1242	1119319	ND	0.192	0.200	ug/L	126345843
PCB-1248	1119319	ND	0.143	0.200	ug/L	126345843
PCB-1254	1119319	ND	0.143	0.200	ug/L	126345843
PCB-1260	1119319	ND	0.161	0.200	ug/L	126345843
PCB-1262	1119319	ND	0.198	0.200	ug/L	126345843
PCB-1268	1119319	ND	0.143	0.200	ug/L	126345843

CCV

Parameter	Reading	Known	Units	Recover%	Limits%		File
PCB-1016	895	1000	ug/L	89.5	80.0 - 115		126345842
PCB-1016	1240	1000	ug/L	124	80.0 - 115	*	126345846
PCB-1260	860	1000	ug/L	86.0	80.0 - 115		126345842
PCB-1260	1120	1000	ug/L	112	80.0 - 115		126345846

LCS Dup

Parameter	PrepSet	LCS	LCSD		Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
PCB-1016	1119319	335	158		1000	39.8 - 135	33.5 *	15.8 *	ug/L	71.8 *	30.0
PCB-1260	1119319	362	200		1000	36.1 - 134	36.2	20.0 *	ug/L	57.7 *	30.0

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Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	1119319	Blank	62.4	100	ug/L	62.4	10.0 - 200	126345843
Tetrachloro-m-Xylene (Surr)	1119319	Blank	30.3	100	ug/L	30.3	10.0 - 200	126345843
Decachlorobiphenyl	2298524	Unknown	0.041	0.099	ug/L	41.4	10.0 - 200	126345882
Tetrachloro-m-Xylene (Surr)	2298524	Unknown	0.0276	0.099	ug/L	27.9	10.0 - 200	126345882

Analytical Set 1119920 — EPA 615

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
2,4 Dichlorophenoxyacetic acid	1119425	ND	0.159	0.500	ug/L	126347776
2,4,5-TP (Silvex)	1119425	ND	0.0893	0.300	ug/L	126347776

CCV

Parameter	Reading	Known	Units	Recover%	Limits%		File
2,4 Dichlorophenoxyacetic acid	157	150	ug/L	105	80.0 - 115		126347763
2,4 Dichlorophenoxyacetic acid	96.2	150	ug/L	64.2	80.0 - 115	*	126347767
2,4 Dichlorophenoxyacetic acid	134	150	ug/L	89.7	80.0 - 115		126347775
2,4 Dichlorophenoxyacetic acid	127	150	ug/L	84.8	80.0 - 115		126347779
2,4,5-TP (Silvex)	167	150	ug/L	111	80.0 - 115		126347763
2,4,5-TP (Silvex)	85.4	150	ug/L	56.9	80.0 - 115	*	126347767
2,4,5-TP (Silvex)	122	150	ug/L	81.3	80.0 - 115		126347775
2,4,5-TP (Silvex)	104	150	ug/L	69.1	80.0 - 115	*	126347779

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
2,4 Dichlorophenoxyacetic acid	1119425	0.839	0.481	1.00	0.100 - 319	83.9	48.1	ug/L	54.2 *	30.0
2,4,5-TP (Silvex)	1119425	0.592	0.568	1.00	0.100 - 244	59.2	56.8	ug/L	4.14	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4-Dichlorophenylacetic Acid		CCV	158	200	ug/L	79.0	0.100 - 313	126347763
2,4-Dichlorophenylacetic Acid		CCV	111	200	ug/L	55.5	0.100 - 313	126347767
2,4-Dichlorophenylacetic Acid		CCV	145	200	ug/L	72.5	0.100 - 313	126347775
2,4-Dichlorophenylacetic Acid		CCV	149	200	ug/L	74.5	0.100 - 313	126347779
2,4-Dichlorophenylacetic Acid	1119425	Blank	48.1	200	ug/L	24.0	0.100 - 313	126347776
2,4-Dichlorophenylacetic Acid	1119425	LCS	82.9	200	ug/L	41.4	0.100 - 313	126347777
2,4-Dichlorophenylacetic Acid	1119425	LCS Dup	108	200	ug/L	54.0	0.100 - 313	126347778
2,4-Dichlorophenylacetic Acid	2298524	Unknown	0.818	1.95	ug/L	41.9	0.100 - 313	126347856

Analytical Set 1119984 — EPA 624.1

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1119984	174	251	1.6	0 - 2.00	126349162
BFB Mass 174	1119984	95.0	15637	59.1	50.0 - 100	126349162
BFB Mass 175	1119984	174	1306	8.4	5.00 - 9.00	126349162
BFB Mass 176	1119984	174	15011	96.0	95.0 - 101	126349162

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BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 177	1119984	176	1066	7.1	5.00 - 9.00	126349162
BFB Mass 50	1119984	95.0	5562	21.0	15.0 - 40.0	126349162
BFB Mass 75	1119984	95.0	14120	53.4	30.0 - 60.0	126349162
BFB Mass 95	1119984	95.0	26443	100.0	100 - 100	126349162
BFB Mass 96	1119984	95.0	1924	7.3	5.00 - 9.00	126349162

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
1,1,1-Trichloroethane	1119984	ND	0.531	1.00	ug/L	126349166
1,1,2-Trichloroethane	1119984	ND	0.563	1.00	ug/L	126349166
1,1-Dichloroethane	1119984	ND	0.593	1.00	ug/L	126349166
1,1-Dichloroethylene	1119984	ND	0.574	1.00	ug/L	126349166
1,2-Dibromoethane (EDB)	1119984	ND	0.562	1.00	ug/L	126349166
1,2-Dichloroethane	1119984	ND	0.590	1.00	ug/L	126349166
1,2-Dichloropropane	1119984	ND	0.615	1.00	ug/L	126349166
Benzene	1119984	ND	0.453	1.00	ug/L	126349166
Bromodichloromethane	1119984	ND	0.409	1.00	ug/L	126349166
Bromoform	1119984	ND	0.500	1.00	ug/L	126349166
Carbon Tetrachloride	1119984	ND	0.299	1.00	ug/L	126349166
Chlorobenzene	1119984	ND	0.558	1.00	ug/L	126349166
Chloroethane	1119984	ND	1.12	1.12	ug/L	126349166
Chloroform	1119984	ND	0.463	1.00	ug/L	126349166
Chloromethane (Methyl Chloride)	1119984	ND	0.811	1.00	ug/L	126349166
cis-1,3-Dichloropropene	1119984	ND	0.660	1.00	ug/L	126349166
Dibromochloromethane	1119984	ND	0.311	1.00	ug/L	126349166
Dichloromethane	1119984	ND	1.02	1.02	ug/L	126349166
Ethylbenzene	1119984	ND	0.498	1.00	ug/L	126349166
m-Dichlorobenzene (1,3-DCB)	1119984	ND	0.619	1.00	ug/L	126349166
Methyl ethyl ketone (Butanone)	1119984	ND	0.742	1.00	ug/L	126349166
o-Dichlorobenzene (1,2-DCB)	1119984	ND	0.532	1.00	ug/L	126349166
p-Dichlorobenzene (1,4-DCB)	1119984	ND	0.837	1.00	ug/L	126349166
Tetrachloroethylene	1119984	ND	0.607	1.00	ug/L	126349166
Toluene	1119984	ND	0.655	1.00	ug/L	126349166
trans-1,2-Dichloroethylene	1119984	ND	0.701	1.00	ug/L	126349166
trans-1,3-Dichloropropene	1119984	ND	0.627	1.00	ug/L	126349166
Trichloroethylene	1119984	ND	0.521	1.00	ug/L	126349166
Vinyl chloride	1119984	ND	0.702	1.00	ug/L	126349166

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1119984	LCS	134600	160000	79990	240000	126349164	1119984
1,4-DichlorobenzeneD4 (ISTD)	1119984	LCS Dup	134500	160000	79990	240000	126349165	1119984
1,4-DichlorobenzeneD4 (ISTD)	1119984	Blank	118700	160000	79990	240000	126349166	1119984
ChlorobenzeneD5 (ISTD)	1119984	LCS	305500	357300	178700	536000	126349164	1119984
ChlorobenzeneD5 (ISTD)	1119984	LCS Dup	302000	357300	178700	536000	126349165	1119984

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IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
ChlorobenzeneD5 (ISTD)	1119984	Blank	284400	357300	178700	536000	126349166	1119984
1,4-DichlorobenzeneD4 (ISTD)	2298524	Unknown	95630	160000	79990	240000	126349170	1119984
ChlorobenzeneD5 (ISTD)	2298524	Unknown	231400	357300	178700	536000	126349170	1119984
1,4-DichlorobenzeneD4 (ISTD)	2299821	MS	119900	160000	79990	240000	126349168	1119984
1,4-DichlorobenzeneD4 (ISTD)	2299821	MSD	120500	160000	79990	240000	126349169	1119984
ChlorobenzeneD5 (ISTD)	2299821	MS	274400	357300	178700	536000	126349168	1119984
ChlorobenzeneD5 (ISTD)	2299821	MSD	273500	357300	178700	536000	126349169	1119984

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1119984	LCS	11.97	11.96	11.90	12.02	126349164	1119984
1,4-DichlorobenzeneD4 (ISTD)	1119984	LCS Dup	11.97	11.96	11.90	12.02	126349165	1119984
1,4-DichlorobenzeneD4 (ISTD)	1119984	Blank	11.97	11.96	11.90	12.02	126349166	1119984
ChlorobenzeneD5 (ISTD)	1119984	LCS	9.597	9.597	9.537	9.657	126349164	1119984
ChlorobenzeneD5 (ISTD)	1119984	LCS Dup	9.597	9.597	9.537	9.657	126349165	1119984
ChlorobenzeneD5 (ISTD)	1119984	Blank	9.597	9.597	9.537	9.657	126349166	1119984
1,4-DichlorobenzeneD4 (ISTD)	2298524	Unknown	11.97	11.96	11.90	12.02	126349170	1119984
ChlorobenzeneD5 (ISTD)	2298524	Unknown	9.597	9.597	9.537	9.657	126349170	1119984
1,4-DichlorobenzeneD4 (ISTD)	2299821	MS	11.97	11.96	11.90	12.02	126349168	1119984
1,4-DichlorobenzeneD4 (ISTD)	2299821	MSD	11.97	11.96	11.90	12.02	126349169	1119984
ChlorobenzeneD5 (ISTD)	2299821	MS	9.597	9.597	9.537	9.657	126349168	1119984
ChlorobenzeneD5 (ISTD)	2299821	MSD	9.597	9.597	9.537	9.657	126349169	1119984

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,1,1-Trichloroethane	1119984	15.9	15.2	20.0	70.0 - 130	79.5	76.0	ug/L	4.50	21.0
1,1,2,2-Tetrachloroethane	1119984	18.6	19.2	20.0	60.0 - 140	93.0	96.0	ug/L	3.17	36.0
1,1,2-Trichloroethane	1119984	15.9	16.1	20.0	70.0 - 130	79.5	80.5	ug/L	1.25	27.0
1,1-Dichloroethane	1119984	17.0	16.5	20.0	70.0 - 130	85.0	82.5	ug/L	2.99	24.0
1,1-Dichloroethylene	1119984	18.9	17.8	20.0	50.0 - 150	94.5	89.0	ug/L	5.99	40.0
1,2-Dibromoethane (EDB)	1119984	17.5	17.6	20.0	78.4 - 122	87.5	88.0	ug/L	0.570	30.0
1,2-Dichloroethane	1119984	18.0	17.6	20.0	70.0 - 130	90.0	88.0	ug/L	2.25	29.0
1,2-Dichloropropane	1119984	16.8	16.5	20.0	35.0 - 165	84.0	82.5	ug/L	1.80	69.0
Benzene	1119984	16.9	16.3	20.0	65.0 - 135	84.5	81.5	ug/L	3.61	33.0
Bromodichloromethane	1119984	15.0	15.0	20.0	65.0 - 135	75.0	75.0	ug/L	0	34.0
Bromoform	1119984	18.1	17.4	20.0	70.0 - 130	90.5	87.0	ug/L	3.94	25.0
Bromomethane (Methyl Bromi	1119984	18.7	18.0	20.0	15.0 - 185	93.5	90.0	ug/L	3.81	90.0
Carbon Tetrachloride	1119984	13.7	13.3	20.0	70.0 - 130	68.5 *	66.5 *	ug/L	2.96	26.0
Chlorobenzene	1119984	18.4	18.0	20.0	65.0 - 135	92.0	90.0	ug/L	2.20	29.0
Chloroethane	1119984	18.2	17.4	20.0	40.0 - 160	91.0	87.0	ug/L	4.49	47.0
Chloroform	1119984	16.4	16.2	20.0	70.0 - 135	82.0	81.0	ug/L	1.23	32.0
Chloromethane (Methyl Chloride)	1119984	19.0	18.4	20.0	0.100 - 205	95.0	92.0	ug/L	3.21	472
cis-1,3-Dichloropropene	1119984	15.0	14.9	20.0	25.0 - 175	75.0	74.5	ug/L	0.669	79.0
Dibromochloromethane	1119984	16.5	16.6	20.0	70.0 - 135	82.5	83.0	ug/L	0.604	30.0
Dichloromethane	1119984	17.2	17.2	20.0	60.0 - 140	86.0	86.0	ug/L	0	192

QUALITY CONTROL

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LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Ethylbenzene	1119984	17.9	17.6	20.0	60.0 - 140	89.5	88.0	ug/L	1.69	34.0
m-Dichlorobenzene (1,3-DCB)	1119984	21.5	21.4	20.0	70.0 - 130	108	107	ug/L	0.930	24.0
Methyl ethyl ketone (Butanone)	1119984	17.2	17.8	20.0	62.3 - 136	86.0	89.0	ug/L	3.43	30.0
o-Dichlorobenzene (1,2-DCB)	1119984	20.5	19.9	20.0	65.0 - 135	102	99.5	ug/L	2.48	31.0
p-Dichlorobenzene (1,4-DCB)	1119984	19.0	18.7	20.0	65.0 - 135	95.0	93.5	ug/L	1.59	31.0
Tetrachloroethylene	1119984	18.0	17.8	20.0	70.0 - 130	90.0	89.0	ug/L	1.12	23.0
Toluene	1119984	16.9	16.5	20.0	70.0 - 130	84.5	82.5	ug/L	2.40	22.0
trans-1,2-Dichloroethylene	1119984	18.0	17.2	20.0	70.0 - 130	90.0	86.0	ug/L	4.55	27.0
trans-1,3-Dichloropropene	1119984	15.6	15.9	20.0	50.0 - 150	78.0	79.5	ug/L	1.90	52.0
Trichloroethylene	1119984	16.9	16.4	20.0	65.0 - 135	84.5	82.0	ug/L	3.00	29.0
Vinyl chloride	1119984	19.6	18.8	20.0	5.00 - 195	98.0	94.0	ug/L	4.17	100

MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
1,1,1-Trichloroethane	2299821	74.8	76.2	2.45	100	52.0 - 162	72.4	73.8	ug/L	1.92	36.0
1,1,2,2-Tetrachloroethane	2299821	91.6	91.8	2.45	100	46.0 - 157	89.2	89.4	ug/L	0.224	61.0
1,1,2-Trichloroethane	2299821	76.9	77.4	2.45	100	52.0 - 150	74.4	75.0	ug/L	0.669	45.0
1,1-Dichloroethane	2299821	82.0	81.5	2.45	100	59.0 - 155	79.6	79.0	ug/L	0.631	40.0
1,1-Dichloroethylene	2299821	92.6	88.6	2.45	100	0.100 - 234	90.2	86.2	ug/L	4.54	32.0
1,2-Dibromoethane (EDB)	2299821	79.0	84.0	2.45	100	49.3 - 120	76.6	81.6	ug/L	6.33	30.0
1,2-Dichloroethane	2299821	86.8	84.8	2.45	100	49.0 - 155	84.4	82.4	ug/L	2.40	49.0
1,2-Dichloropropane	2299821	79.2	79.3	2.45	100	0.100 - 210	76.8	76.8	ug/L	0.130	55.0
Benzene	2299821	81.9	80.8	2.45	100	37.0 - 151	79.4	78.4	ug/L	1.39	61.0
Bromodichloromethane	2299821	75.5	76.4	2.45	100	35.0 - 155	73.0	74.0	ug/L	1.22	56.0
Bromoform	2299821	79.8	81.0	2.45	100	45.0 - 169	77.4	78.6	ug/L	1.54	42.0
Bromomethane (Methyl Bromi	2299821	88.2	92.0	2.45	100	0.100 - 242	85.8	89.6	ug/L	4.34	61.0
Carbon Tetrachloride	2299821	60.8	60.4	2.45	100	70.0 - 140	58.4 *	58.0 *	ug/L	0.688	41.0
Chlorobenzene	2299821	87.3	86.9	2.45	100	37.0 - 160	84.8	84.4	ug/L	0.473	53.0
Chloroethane	2299821	92.1	90.8	2.45	100	14.0 - 230	89.6	88.4	ug/L	1.46	78.0
Chloroform	2299821	85.0	83.8	2.45	100	51.0 - 138	82.6	81.4	ug/L	1.46	54.0
Chloromethane (Methyl Chloride)	2299821	90.4	89.8	2.45	100	0.100 - 273	88.0	87.4	ug/L	0.685	60.0
cis-1,3-Dichloropropene	2299821	71.3	70.0	2.45	100	0.100 - 227	68.8	67.6	ug/L	1.91	58.0
Dibromochloromethane	2299821	76.3	77.3	2.45	100	53.0 - 149	73.8	74.8	ug/L	1.34	50.0
Dichloromethane	2299821	83.3	85.2	2.45	100	0.100 - 221	80.8	82.8	ug/L	2.32	28.0
Ethylbenzene	2299821	86.2	85.4	2.45	100	37.0 - 162	83.8	83.0	ug/L	0.960	63.0
m-Dichlorobenzene (1,3-DCB)	2299821	104	108	2.45	100	59.0 - 156	102	106	ug/L	3.86	43.0
Methyl ethyl ketone (Butanone)	2299821	83.4	86.8	2.45	100	0.100 - 211	81.0	84.4	ug/L	4.11	30.0
o-Dichlorobenzene (1,2-DCB)	2299821	97.4	98.3	2.45	100	18.0 - 190	95.0	95.8	ug/L	0.943	57.0
p-Dichlorobenzene (1,4-DCB)	2299821	93.3	94.6	2.20	100	18.0 - 190	91.1	92.4	ug/L	1.42	57.0
Tetrachloroethylene	2299821	86.1	87.2	2.45	100	64.0 - 148	83.6	84.8	ug/L	1.31	39.0
Toluene	2299821	82.8	81.2	2.45	100	47.0 - 150	80.4	78.8	ug/L	2.01	41.0
trans-1,2-Dichloroethylene	2299821	85.2	87.4	2.45	100	54.0 - 156	82.8	85.0	ug/L	2.62	45.0
trans-1,3-Dichloropropene	2299821	74.5	74.1	2.45	100	17.0 - 183	72.0	71.6	ug/L	0.557	86.0
Trichloroethylene	2299821	83.6	80.2	2.45	100	70.0 - 157	81.2	77.8	ug/L	4.28	48.0
Vinyl chloride	2299821	85.2	84.6	2.45	100	0.100 - 251	82.8	82.2	ug/L	0.728	66.0

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Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1119984	LCS	25.1	20.0	ug/L	126	70.0 - 130	126349164
1,2-DCA-d4 (SURR)	1119984	LCS Dup	25.6	20.0	ug/L	128	70.0 - 130	126349165
1,2-DCA-d4 (SURR)	1119984	Blank	25.0	20.0	ug/L	125	70.0 - 130	126349166
Bromofluorobenzene (SURR)	1119984	LCS	18.9	20.0	ug/L	94.5	70.0 - 130	126349164
Bromofluorobenzene (SURR)	1119984	LCS Dup	18.9	20.0	ug/L	94.5	70.0 - 130	126349165
Bromofluorobenzene (SURR)	1119984	Blank	19.5	20.0	ug/L	97.5	70.0 - 130	126349166
Dibromofluoromethane (SURR)	1119984	LCS	24.2	20.0	ug/L	121	70.0 - 130	126349164
Dibromofluoromethane (SURR)	1119984	LCS Dup	24.4	20.0	ug/L	122	70.0 - 130	126349165
Dibromofluoromethane (SURR)	1119984	Blank	23.7	20.0	ug/L	118	70.0 - 130	126349166
ToluneneD8 (SURR)	1119984	LCS	23.5	20.0	ug/L	118	70.0 - 130	126349164
ToluneneD8 (SURR)	1119984	LCS Dup	23.3	20.0	ug/L	116	70.0 - 130	126349165
ToluneneD8 (SURR)	1119984	Blank	23.5	20.0	ug/L	118	70.0 - 130	126349166
1,2-DCA-d4 (SURR)	2298524	Unknown	26.8	20.0	ug/L	134 *	70.0 - 130	126349170
Bromofluorobenzene (SURR)	2298524	Unknown	19.8	20.0	ug/L	99.0	70.0 - 130	126349170
Dibromofluoromethane (SURR)	2298524	Unknown	24.6	20.0	ug/L	123	70.0 - 130	126349170
ToluneneD8 (SURR)	2298524	Unknown	23.8	20.0	ug/L	119	70.0 - 130	126349170
1,2-DCA-d4 (SURR)	2299821	MS	25.6	20.0	ug/L	128	70.0 - 130	126349168
1,2-DCA-d4 (SURR)	2299821	MSD	25.6	20.0	ug/L	128	70.0 - 130	126349169
Bromofluorobenzene (SURR)	2299821	MS	19.0	20.0	ug/L	95.0	70.0 - 130	126349168
Bromofluorobenzene (SURR)	2299821	MSD	19.0	20.0	ug/L	95.0	70.0 - 130	126349169
Dibromofluoromethane (SURR)	2299821	MS	24.0	20.0	ug/L	120	70.0 - 130	126349168
Dibromofluoromethane (SURR)	2299821	MSD	24.3	20.0	ug/L	122	70.0 - 130	126349169
ToluneneD8 (SURR)	2299821	MS	23.4	20.0	ug/L	117	70.0 - 130	126349168
ToluneneD8 (SURR)	2299821	MSD	23.4	20.0	ug/L	117	70.0 - 130	126349169

Analytical Set 1120015 — EPA 622

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Chlorpyrifos	1119194	ND	0.0904	50.0	ug/L	126350012

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chlorpyrifos	1040	1000	ug/L	104	48.0 - 150	126350001
Chlorpyrifos	1040	1000	ug/L	104	48.0 - 150	126350006
Chlorpyrifos	1030	1000	ug/L	103	48.0 - 150	126350008
Chlorpyrifos	974	1000	ug/L	97.4	48.0 - 150	126350016
Chlorpyrifos	962	1000	ug/L	96.2	48.0 - 150	126350021

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chlorpyrifos	1119194	387	608	1000	0.100 - 128	38.7	60.8	ug/L	44.4 *	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Tributylphosphate		CCV	1090	1000	ug/L	109	0.100 - 115	126350001
Tributylphosphate		CCV	1070	1000	ug/L	107	0.100 - 115	126350006

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Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Tributylphosphate		CCV	1100	1000	ug/L	110	0.100 - 115	126350008
Tributylphosphate		CCV	1050	1000	ug/L	105	0.100 - 115	126350016
Tributylphosphate		CCV	1040	1000	ug/L	104	0.100 - 115	126350021
Triphenylphosphate		CCV	1110	1000	ug/L	111	0.100 - 115	126350001
Triphenylphosphate		CCV	1570	1000	ug/L	157 *	0.100 - 115	126350006
Triphenylphosphate		CCV	2020	1000	ug/L	202 *	0.100 - 115	126350008
Triphenylphosphate		CCV	1930	1000	ug/L	193 *	0.100 - 115	126350016
Triphenylphosphate		CCV	2080	1000	ug/L	208 *	0.100 - 115	126350021
Tributylphosphate	1119194	Blank	695	1000	ug/L	69.5	0.100 - 115	126350012
Tributylphosphate	1119194	LCS	491	1000	ug/L	49.1	0.100 - 115	126350013
Tributylphosphate	1119194	LCS Dup	704	1000	ug/L	70.4	0.100 - 115	126350014
Triphenylphosphate	1119194	Blank	880	1000	ug/L	88.0	0.100 - 115	126350012
Triphenylphosphate	1119194	LCS	550	1000	ug/L	55.0	0.100 - 115	126350013
Triphenylphosphate	1119194	LCS Dup	900	1000	ug/L	90.0	0.100 - 115	126350014

Analytical Set 1120024 — EPA 614

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Azinphos-methyl (Guthion)	1119194	ND	41.4	50.0	ug/L	126350185
Demeton	1119194	ND	31.9	50.0	ug/L	126350185
Diazinon	1119194	ND	19.7	50.0	ug/L	126350185
Malathion	1119194	ND	24.8	50.0	ug/L	126350185
Parathion, ethyl	1119194	ND	23.9	50.0	ug/L	126350185
Parathion, methyl	1119194	ND	27.4	50.0	ug/L	126350185

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Azinphos-methyl (Guthion)	1060	1000	ug/L	106	37.5 - 164	126350174
Azinphos-methyl (Guthion)	1310	1000	ug/L	131	37.5 - 164	126350179
Azinphos-methyl (Guthion)	1000	1000	ug/L	100	37.5 - 164	126350181
Azinphos-methyl (Guthion)	790	1000	ug/L	79.0	37.5 - 164	126350189
Azinphos-methyl (Guthion)	825	1000	ug/L	82.5	37.5 - 164	126350194
Demeton	1020	1000	ug/L	102	58.6 - 150	126350174
Demeton	1020	1000	ug/L	102	58.6 - 150	126350179
Demeton	999	1000	ug/L	99.9	58.6 - 150	126350181
Demeton	913	1000	ug/L	91.3	58.6 - 150	126350189
Demeton	924	1000	ug/L	92.4	58.6 - 150	126350194
Diazinon	1020	1000	ug/L	102	65.4 - 138	126350174
Diazinon	1040	1000	ug/L	104	65.4 - 138	126350179
Diazinon	1170	1000	ug/L	117	65.4 - 138	126350181
Diazinon	1070	1000	ug/L	107	65.4 - 138	126350189
Diazinon	1050	1000	ug/L	105	65.4 - 138	126350194
Malathion	1030	1000	ug/L	103	49.5 - 160	126350174
Malathion	993	1000	ug/L	99.3	49.5 - 160	126350179
Malathion	971	1000	ug/L	97.1	49.5 - 160	126350181

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Malathion	890	1000	ug/L	89.0	49.5 - 160	126350189
Malathion	855	1000	ug/L	85.5	49.5 - 160	126350194
Parathion, ethyl	1030	1000	ug/L	103	56.0 - 142	126350174
Parathion, ethyl	916	1000	ug/L	91.6	56.0 - 142	126350179
Parathion, ethyl	878	1000	ug/L	87.8	56.0 - 142	126350181
Parathion, ethyl	817	1000	ug/L	81.7	56.0 - 142	126350189
Parathion, ethyl	818	1000	ug/L	81.8	56.0 - 142	126350194
Parathion, methyl	1030	1000	ug/L	103	12.6 - 194	126350174
Parathion, methyl	847	1000	ug/L	84.7	12.6 - 194	126350179
Parathion, methyl	742	1000	ug/L	74.2	12.6 - 194	126350181
Parathion, methyl	641	1000	ug/L	64.1	12.6 - 194	126350189
Parathion, methyl	627	1000	ug/L	62.7	12.6 - 194	126350194

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Azinphos-methyl (Guthion)	1119194	414	701	1000	0.100 - 155	41.4	70.1	ug/L	51.5 *	30.0
Demeton	1119194	306	437	1000	0.100 - 109	30.6	43.7	ug/L	35.3 *	30.0
Diazinon	1119194	346	505	1000	0.100 - 125	34.6	50.5	ug/L	37.4 *	30.0
Malathion	1119194	376	557	1000	0.100 - 130	37.6	55.7	ug/L	38.8 *	30.0
Parathion, ethyl	1119194	402	557	1000	0.100 - 122	40.2	55.7	ug/L	32.3 *	30.0
Parathion, methyl	1119194	303	410	1000	0.100 - 131	30.3	41.0	ug/L	30.0	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Tributylphosphate		CCV	1090	2000	ug/L	54.5	0.100 - 106	126350174
Tributylphosphate		CCV	1070	2000	ug/L	53.5	0.100 - 106	126350179
Tributylphosphate		CCV	1100	2000	ug/L	55.0	0.100 - 106	126350181
Tributylphosphate		CCV	1050	2000	ug/L	52.5	0.100 - 106	126350189
Tributylphosphate		CCV	1040	2000	ug/L	52.0	0.100 - 106	126350194
Triphenylphosphate		CCV	1110	2000	ug/L	55.5	0.100 - 172	126350174
Triphenylphosphate		CCV	1570	2000	ug/L	78.5	0.100 - 172	126350179
Triphenylphosphate		CCV	2020	2000	ug/L	101	0.100 - 172	126350181
Triphenylphosphate		CCV	1930	2000	ug/L	96.5	0.100 - 172	126350189
Triphenylphosphate		CCV	2080	2000	ug/L	104	0.100 - 172	126350194
Tributylphosphate	1119194	Blank	695	2000	ug/L	34.8	0.100 - 106	126350185
Tributylphosphate	1119194	LCS	491	2000	ug/L	24.6	0.100 - 106	126350186
Tributylphosphate	1119194	LCS Dup	704	2000	ug/L	35.2	0.100 - 106	126350187
Triphenylphosphate	1119194	Blank	880	2000	ug/L	44.0	0.100 - 172	126350185
Triphenylphosphate	1119194	LCS	550	2000	ug/L	27.5	0.100 - 172	126350186
Triphenylphosphate	1119194	LCS Dup	900	2000	ug/L	45.0	0.100 - 172	126350187
Tributylphosphate	2298524	Unknown	0.694	1.98	ug/L	35.1	0.100 - 106	126350193
Triphenylphosphate	2298524	Unknown	0.828	1.98	ug/L	41.8	0.100 - 172	126350193

Analytical Set 1120178 EPA 625.1

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
1,2,4,5-Tetrachlorobenzene	1119641	ND	0.517	1.00	ug/L	126353476
1,2,4-Trichlorobenzene	1119641	ND	0.720	1.00	ug/L	126353476
1,2-Dichlorobenzene	1119641	ND	0.598	1.00	ug/L	126353476
1,2-DPH (as azobenzene)	1119641	ND	0.695	1.00	ug/L	126353476
1,3-Dichlorobenzene	1119641	ND	0.686	1.00	ug/L	126353476
1,4-Dichlorobenzene	1119641	ND	0.633	1.00	ug/L	126353476
2,4,5-Trichlorophenol	1119641	ND	0.734	1.00	ug/L	126353476
2,4,6-Trichlorophenol	1119641	ND	0.704	1.00	ug/L	126353476
2,4-Dichlorophenol	1119641	ND	0.567	1.00	ug/L	126353476
2,4-Dimethylphenol	1119641	ND	2.32	2.40	ug/L	126353476
2,4-Dinitrophenol	1119641	ND	8.07	9.00	ug/L	126353476
2,4-Dinitrotoluene	1119641	ND	3.35	3.50	ug/L	126353476
2,6-Dinitrotoluene	1119641	ND	0.675	1.00	ug/L	126353476
2-Chloronaphthalene	1119641	ND	0.333	1.00	ug/L	126353476
2-Chlorophenol	1119641	ND	0.367	1.00	ug/L	126353476
2-Methylphenol (o-Cresol)	1119641	ND	5.13	5.20	ug/L	126353476
2-Nitrophenol	1119641	ND	0.495	1.00	ug/L	126353476
3&4-Methylphenol (m&p-Cresol)	1119641	ND	6.15	6.20	ug/L	126353476
3,3'-Dichlorobenzidine	1119641	ND	4.79	5.00	ug/L	126353476
4,6-Dinitro-2-methylphenol	1119641	ND	7.88	8.00	ug/L	126353476
4-Bromophenyl phenyl ether	1119641	ND	0.311	1.00	ug/L	126353476
4-Chlorophenyl phenyl ethe	1119641	ND	0.281	1.00	ug/L	126353476
4-Nitrophenol	1119641	ND	0.932	1.00	ug/L	126353476
Acenaphthene	1119641	ND	0.139	1.00	ug/L	126353476
Acenaphthylene	1119641	ND	0.202	1.00	ug/L	126353476
Aniline	1119641	ND	0.367	1.00	ug/L	126353476
Anthracene	1119641	ND	0.538	1.00	ug/L	126353476
Benzidine	1119641	ND	19.9	20.0	ug/L	126353476
Benzo(a)anthracene	1119641	ND	0.627	1.00	ug/L	126353476
Benzo(a)pyrene	1119641	ND	0.478	1.00	ug/L	126353476
Benzo(b)fluoranthene	1119641	ND	0.517	1.00	ug/L	126353476
Benzo(ghi)perylene	1119641	ND	0.750	1.00	ug/L	126353476
Benzo(k)fluoranthene	1119641	ND	0.763	1.00	ug/L	126353476
Benzyl Butyl phthalate	1119641	0.880	0.696	7.50	ug/L	126353476
Bis(2-chloroethoxy)methane	1119641	ND	0.312	1.00	ug/L	126353476
Bis(2-chloroethyl)ether	1119641	ND	0.434	1.00	ug/L	126353476
Bis(2-chloroisopropyl)ether	1119641	ND	0.448	1.00	ug/L	126353476
Bis(2-ethylhexyl)phthalate	1119641	ND	1.63	7.50	ug/L	126353476
Chrysene (Benzo(a)phenanthrene)	1119641	ND	0.575	1.00	ug/L	126353476
Dibenz(a,h)anthracene	1119641	ND	0.872	1.00	ug/L	126353476
Diethyl phthalate	1119641	ND	0.721	5.70	ug/L	126353476
Dimethyl phthalate	1119641	ND	0.497	4.80	ug/L	126353476
Di-n-butylphthalate	1119641	ND	0.834	7.50	ug/L	126353476
Di-n-octylphthalate	1119641	ND	0.782	1.00	ug/L	126353476
Fluoranthene(Benzo(j,k)fluorene)	1119641	ND	0.772	1.00	ug/L	126353476

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
Fluorene	1119641	ND	0.512	1.00	ug/L	126353476
Hexachlorobenzene	1119641	ND	0.187	1.00	ug/L	126353476
Hexachlorobutadiene	1119641	ND	0.618	1.00	ug/L	126353476
Hexachlorocyclopentadiene	1119641	ND	8.69	9.00	ug/L	126353476
Hexachloroethane	1119641	ND	0.789	1.00	ug/L	126353476
Indeno(1,2,3-cd)pyrene	1119641	ND	0.793	1.00	ug/L	126353476
Isophorone	1119641	ND	0.468	1.00	ug/L	126353476
Naphthalene	1119641	ND	0.387	1.00	ug/L	126353476
Nitrobenzene	1119641	ND	0.390	1.00	ug/L	126353476
n-Nitrosodiethylamine	1119641	ND	0.282	1.00	ug/L	126353476
N-Nitrosodimethylamine	1119641	ND	6.64	7.00	ug/L	126353476
n-Nitroso-di-n-butylamine	1119641	ND	0.403	1.00	ug/L	126353476
N-Nitrosodi-n-propylamine	1119641	ND	0.777	1.00	ug/L	126353476
N-Nitrosodiphenylamine (as DPA	1119641	ND	0.427	1.00	ug/L	126353476
p-Chloro-m-Cresol (4-Chloro-3-me	1119641	ND	2.35	2.40	ug/L	126353476
Pentachlorobenzene	1119641	ND	0.420	1.00	ug/L	126353476
Pentachlorophenol	1119641	ND	0.129	1.00	ug/L	126353476
Phenanthrene	1119641	ND	0.624	1.00	ug/L	126353476
Phenol	1119641	ND	1.50	1.50	ug/L	126353476
Pyrene	1119641	ND	0.587	1.00	ug/L	126353476
Pyridine	1119641	ND	5.33	5.40	ug/L	126353476

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
1,2,4,5-Tetrachlorobenzene	53100	50000	ug/L	106	60.0 - 140	126353475
1,2,4-Trichlorobenzene	51500	50000	ug/L	103	61.0 - 130	126353475
1,2-Dichlorobenzene	48400	50000	ug/L	96.8	60.0 - 140	126353475
1,2-DPH (as azobenzene)	49300	50000	ug/L	98.6	60.0 - 140	126353475
1,3-Dichlorobenzene	48300	50000	ug/L	96.6	60.0 - 140	126353475
1,4-Dichlorobenzene	49300	50000	ug/L	98.6	60.0 - 140	126353475
2,4,5-Trichlorophenol	52400	50000	ug/L	105	69.0 - 130	126353475
2,4,6-Trichlorophenol	53100	50000	ug/L	106	69.0 - 130	126353475
2,4-Dichlorophenol	50800	50000	ug/L	102	64.0 - 130	126353475
2,4-Dimethylphenol	44000	50000	ug/L	88.0	58.0 - 130	126353475
2,4-Dinitrophenol	46700	50000	ug/L	93.4	39.0 - 173	126353475
2,4-Dinitrotoluene	50900	50000	ug/L	102	53.0 - 130	126353475
2,6-Dinitrotoluene	52600	50000	ug/L	105	68.0 - 137	126353475
2-Chloronaphthalene	47800	50000	ug/L	95.6	70.0 - 130	126353475
2-Chlorophenol	49600	50000	ug/L	99.2	55.0 - 130	126353475
2-Methylphenol (o-Cresol)	45900	50000	ug/L	91.8	60.0 - 140	126353475
2-Nitrophenol	51200	50000	ug/L	102	61.0 - 163	126353475
3&4-Methylphenol (m&p-Cresol)	47200	50000	ug/L	94.4	60.0 - 140	126353475
3,3'-Dichlorobenzidine	49300	50000	ug/L	98.6	18.0 - 213	126353475
4,6-Dinitro-2-methylphenol	52000	50000	ug/L	104	56.0 - 130	126353475
4-Bromophenyl phenyl ether	51400	50000	ug/L	103	70.0 - 130	126353475

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CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
4-Chlorophenyl phenyl ethe	52200	50000	ug/L	104	57.0 - 145	126353475
4-Nitrophenol	45300	50000	ug/L	90.6	35.0 - 135	126353475
Acenaphthene	52600	50000	ug/L	105	70.0 - 130	126353475
Acenaphthylene	53200	50000	ug/L	106	60.0 - 130	126353475
Aniline	45400	50000	ug/L	90.8	60.0 - 140	126353475
Anthracene	51800	50000	ug/L	104	58.0 - 130	126353475
Benzidine	33900	50000	ug/L	67.8	20.0 - 180	126353475
Benzo(a)anthracene	53500	50000	ug/L	107	42.0 - 133	126353475
Benzo(a)pyrene	52500	50000	ug/L	105	32.0 - 148	126353475
Benzo(b)fluoranthene	51100	50000	ug/L	102	42.0 - 140	126353475
Benzo(ghi)perylene	52500	50000	ug/L	105	13.0 - 195	126353475
Benzo(k)fluoranthene	56400	50000	ug/L	113	25.0 - 146	126353475
Benzyl Butyl phthalate	47500	50000	ug/L	95.0	43.0 - 140	126353475
Bis(2-chloroethoxy)methane	49600	50000	ug/L	99.2	52.0 - 164	126353475
Bis(2-chloroethyl)ether	44800	50000	ug/L	89.6	52.0 - 130	126353475
Bis(2-chloroisopropyl)ether	46500	50000	ug/L	93.0	63.0 - 139	126353475
Bis(2-ethylhexyl)phthalate	51300	50000	ug/L	103	43.0 - 137	126353475
Chrysene (Benzo(a)phenanthrene)	52800	50000	ug/L	106	44.0 - 140	126353475
Dibenz(a,h)anthracene	49700	50000	ug/L	99.4	13.0 - 200	126353475
Diethyl phthalate	50600	50000	ug/L	101	47.0 - 130	126353475
Dimethyl phthalate	52400	50000	ug/L	105	50.0 - 130	126353475
Di-n-butylphthalate	50000	50000	ug/L	100	52.0 - 130	126353475
Di-n-octylphthalate	56900	50000	ug/L	114	21.0 - 132	126353475
Fluoranthene(Benzo(j,k)fluorene)	50500	50000	ug/L	101	47.0 - 130	126353475
Fluorene	55200	50000	ug/L	110	70.0 - 130	126353475
Hexachlorobenzene	50900	50000	ug/L	102	38.0 - 142	126353475
Hexachlorobutadiene	52000	50000	ug/L	104	68.0 - 130	126353475
Hexachlorocyclopentadiene	49100	50000	ug/L	98.2	60.0 - 140	126353475
Hexachloroethane	44600	50000	ug/L	89.2	55.0 - 130	126353475
Indeno(1,2,3-cd)pyrene	48300	50000	ug/L	96.6	13.0 - 151	126353475
Isophorone	51700	50000	ug/L	103	52.0 - 180	126353475
Naphthalene	50000	50000	ug/L	100	70.0 - 130	126353475
Nitrobenzene	48600	50000	ug/L	97.2	54.0 - 158	126353475
n-Nitrosodiethylamine	47300	50000	ug/L	94.6	60.0 - 140	126353475
N-Nitrosodimethylamine	48400	50000	ug/L	96.8	60.0 - 140	126353475
n-Nitroso-di-n-butylamine	45000	50000	ug/L	90.0	60.0 - 140	126353475
N-Nitrosodi-n-propylamine	48200	50000	ug/L	96.4	59.0 - 170	126353475
N-Nitrosodiphenylamine (as DPA	46900	50000	ug/L	93.8	60.0 - 140	126353475
p-Chloro-m-Cresol (4-Chloro-3-me	41300	50000	ug/L	82.6	68.0 - 130	126353475
Pentachlorobenzene	48000	50000	ug/L	96.0	60.0 - 140	126353475
Pentachlorophenol	51000	50000	ug/L	102	42.0 - 152	126353475
Phenanthrene	50800	50000	ug/L	102	67.0 - 130	126353475
Phenol	48000	50000	ug/L	96.0	48.0 - 130	126353475
Pyrene	50100	50000	ug/L	100	70.0 - 130	126353475
Pyridine	54800	50000	ug/L	110	60.0 - 140	126353475

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DFTPP

Parameter		RefMass	Reading	%	Limits%	File
DFTPP Mass 127	624702	198	35120	57.6	40.0 - 60.0	126353473
DFTPP Mass 197	624702	198	0	0.0	0 - 1.00	126353473
DFTPP Mass 198	624702	198	60970	100.0	100 - 100	126353473
DFTPP Mass 199	624702	198	4119	6.8	5.00 - 9.00	126353473
DFTPP Mass 275	624702	198	15713	25.8	10.0 - 30.0	126353473
DFTPP Mass 365	624702	198	4600	7.5	1.00 - 100	126353473
DFTPP Mass 441	624702	443	4833	78.3	0 - 100	126353473
DFTPP Mass 442	624702	198	32269	52.9	40.0 - 100	126353473
DFTPP Mass 443	624702	442	6172	19.1	17.0 - 23.0	126353473
DFTPP Mass 51	624702	198	33925	55.6	30.0 - 60.0	126353473
DFTPP Mass 68	624702	69.0	215	0.7	0 - 2.00	126353473
DFTPP Mass 69	624702	198	30238	49.6	0 - 100	126353473
DFTPP Mass 70	624702	69.0	83	0.3	0 - 2.00	126353473

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
1,2,4,5-Tetrachlorobenzene	1119641	7.54	7.06	12.5	27.5 - 85.5	60.3	56.5	ug/L	6.51	50.0
1,2,4-Trichlorobenzene	1119641	7.48	6.65	12.5	44.0 - 142	59.8	53.2	ug/L	11.7	50.0
1,2-Dichlorobenzene	1119641	7.06	6.29	12.5	23.0 - 81.8	56.5	50.3	ug/L	11.6	50.0
1,2-DPH (as azobenzene)	1119641	10.9	10.7	12.5	12.6 - 110	87.2	85.6	ug/L	1.85	50.0
1,3-Dichlorobenzene	1119641	6.65	5.74	12.5	21.1 - 80.5	53.2	45.9	ug/L	14.7	50.0
1,4-Dichlorobenzene	1119641	7.05	6.01	12.5	21.4 - 76.9	56.4	48.1	ug/L	15.9	50.0
2,4,5-Trichlorophenol	1119641	9.59	9.75	12.5	51.3 - 109	76.7	78.0	ug/L	1.68	50.0
2,4,6-Trichlorophenol	1119641	11.0	10.3	12.5	37.0 - 144	88.0	82.4	ug/L	6.57	58.0
2,4-Dichlorophenol	1119641	11.0	10.1	12.5	39.0 - 135	88.0	80.8	ug/L	8.53	50.0
2,4-Dimethylphenol	1119641	3.97	3.55	12.5	23.0 - 120	31.8	28.4	ug/L	11.3	68.0
2,4-Dinitrophenol	1119641	5.92	4.72	12.5	0.100 - 191	47.4	37.8	ug/L	22.5	132
2,4-Dinitrotoluene	1119641	9.27	9.05	12.5	39.0 - 139	74.2	72.4	ug/L	2.46	42.0
2,6-Dinitrotoluene	1119641	9.91	9.54	12.5	50.0 - 158	79.3	76.3	ug/L	3.86	48.0
2-Chloronaphthalene	1119641	8.47	8.20	12.5	60.0 - 120	67.8	65.6	ug/L	3.30	24.0
2-Chlorophenol	1119641	10.7	9.77	12.5	23.0 - 134	85.6	78.2	ug/L	9.04	61.0
2-Methylphenol (o-Cresol)	1119641	8.73	8.28	12.5	38.9 - 76.1	69.8	66.2	ug/L	5.29	50.0
2-Nitrophenol	1119641	10.1	10.2	12.5	29.0 - 182	80.8	81.6	ug/L	0.985	55.0
3&4-Methylphenol (m&p-Cresol)	1119641	7.31	6.33	12.5	33.0 - 70.4	58.5	50.6	ug/L	14.5	50.0
3,3'-Dichlorobenzidine	1119641	10.3	9.41	12.5	0.100 - 262	82.4	75.3	ug/L	9.00	108
4,6-Dinitro-2-methylphenol	1119641	8.69	8.09	12.5	0.100 - 181	69.5	64.7	ug/L	7.15	203
4-Bromophenyl phenyl ether	1119641	10.2	9.10	12.5	53.0 - 127	81.6	72.8	ug/L	11.4	43.0
4-Chlorophenyl phenyl ethe	1119641	10.3	9.73	12.5	25.0 - 158	82.4	77.8	ug/L	5.74	61.0
4-Nitrophenol	1119641	3.73	3.91	12.5	0.100 - 132	29.8	31.3	ug/L	4.91	131
Acenaphthene	1119641	8.86	8.68	12.5	47.0 - 145	70.9	69.4	ug/L	2.14	48.0
Acenaphthylene	1119641	9.07	8.64	12.5	33.0 - 145	72.6	69.1	ug/L	4.94	74.0
Aniline	1119641	8.09	8.05	12.5	70.0 - 130	64.7 *	64.4 *	ug/L	0.465	50.0
Anthracene	1119641	9.70	9.39	12.5	27.0 - 133	77.6	75.1	ug/L	3.27	66.0
Benzidine	1119641	0.830	0.780	12.5	0.100 - 36.9	6.64	6.24	ug/L	6.21	90.0
Benzo(a)anthracene	1119641	10.4	10.0	12.5	33.0 - 143	83.2	80.0	ug/L	3.92	53.0

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Benzo(a)pyrene	1119641	10.8	9.99	12.5	17.0 - 163	86.4	79.9	ug/L	7.82	72.0
Benzo(b)fluoranthene	1119641	10.6	9.71	12.5	24.0 - 159	84.8	77.7	ug/L	8.74	71.0
Benzo(ghi)perylene	1119641	9.81	10.3	12.5	0.100 - 219	78.5	82.4	ug/L	4.85	97.0
Benzo(k)fluoranthene	1119641	11.5	10.9	12.5	11.0 - 162	92.0	87.2	ug/L	5.36	63.0
Benzyl Butyl phthalate	1119641	9.80	9.35	12.5	0.100 - 152	78.4	74.8	ug/L	4.70	60.0
Bis(2-chloroethoxy)methane	1119641	10.3	9.95	12.5	33.0 - 184	82.4	79.6	ug/L	3.46	54.0
Bis(2-chloroethyl)ether	1119641	9.96	9.12	12.5	12.0 - 158	79.7	73.0	ug/L	8.78	108
Bis(2-chloroisopropyl)ether	1119641	9.26	8.38	12.5	36.0 - 166	74.1	67.0	ug/L	10.1	76.0
Bis(2-ethylhexyl)phthalate	1119641	9.82	9.04	12.5	8.00 - 158	78.6	72.3	ug/L	8.35	82.0
Chrysene (Benzo(a)phenanthrene)	1119641	10.7	10.3	12.5	17.0 - 168	85.6	82.4	ug/L	3.81	87.0
Dibenz(a,h)anthracene	1119641	9.25	9.88	12.5	0.100 - 227	74.0	79.0	ug/L	6.54	126
Diethyl phthalate	1119641	10.3	10.5	12.5	0.100 - 120	82.4	84.0	ug/L	1.92	100
Dimethyl phthalate	1119641	10.3	10.2	12.5	0.100 - 120	82.4	81.6	ug/L	0.976	183
Di-n-butylphthalate	1119641	11.2	10.8	12.5	1.00 - 120	89.6	86.4	ug/L	3.64	47.0
Di-n-octylphthalate	1119641	8.70	8.09	12.5	4.00 - 146	69.6	64.7	ug/L	7.30	69.0
Fluoranthene(Benzo(j,k)fluorene)	1119641	10.3	9.73	12.5	26.0 - 137	82.4	77.8	ug/L	5.74	66.0
Fluorene	1119641	8.92	8.50	12.5	59.0 - 121	71.4	68.0	ug/L	4.88	38.0
Hexachlorobenzene	1119641	9.40	9.20	12.5	0.100 - 152	75.2	73.6	ug/L	2.15	55.0
Hexachlorobutadiene	1119641	6.22	5.45	12.5	24.0 - 120	49.8	43.6	ug/L	13.3	62.0
Hexachlorocyclopentadiene	1119641	4.23	3.03	12.5	3.97 - 68.7	33.8	24.2	ug/L	33.1	50.0
Hexachloroethane	1119641	5.90	5.02	12.5	40.0 - 120	47.2	40.2	ug/L	16.0	52.0
Indeno(1,2,3-cd)pyrene	1119641	9.78	10.2	12.5	0.100 - 171	78.2	81.6	ug/L	4.26	99.0
Isophorone	1119641	10.1	9.84	12.5	21.0 - 196	80.8	78.7	ug/L	2.63	93.0
Naphthalene	1119641	8.23	7.56	12.5	21.0 - 133	65.8	60.5	ug/L	8.39	65.0
Nitrobenzene	1119641	10.3	9.39	12.5	35.0 - 180	82.4	75.1	ug/L	9.27	62.0
n-Nitrosodiethylamine	1119641	10.0	9.15	12.5	18.0 - 100	80.0	73.2	ug/L	8.88	50.0
N-Nitrosodimethylamine	1119641	8.28	7.59	12.5	30.2 - 74.9	66.2	60.7	ug/L	8.67	50.0
n-Nitroso-di-n-butylamine	1119641	10.2	9.67	12.5	48.4 - 98.5	81.6	77.4	ug/L	5.28	50.0
N-Nitrosodi-n-propylamine	1119641	9.59	8.65	12.5	0.100 - 230	76.7	69.2	ug/L	10.3	87.0
N-Nitrosodiphenylamine (as DPA	1119641	9.59	9.47	12.5	49.3 - 94.2	76.7	75.8	ug/L	1.18	50.0
p-Chloro-m-Cresol (4-Chloro-3-me	1119641	9.92	9.65	12.5	22.0 - 147	79.4	77.2	ug/L	2.81	70.0
Pentachlorobenzene	1119641	7.74	7.42	12.5	39.3 - 93.7	61.9	59.4	ug/L	4.12	50.0
Pentachlorophenol	1119641	9.54	9.64	12.5	14.0 - 176	76.3	77.1	ug/L	1.04	86.0
Phenanthrene	1119641	10.2	9.90	12.5	54.0 - 120	81.6	79.2	ug/L	2.99	39.0
Phenol	1119641	4.45	4.15	12.5	5.00 - 120	35.6	33.2	ug/L	6.98	64.0
Pyrene	1119641	12.4	12.3	12.5	52.0 - 120	99.2	98.4	ug/L	0.810	49.0
Pyridine	1119641	4.23	3.80	12.5	11.2 - 50.6	33.8	30.4	ug/L	10.6	50.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4,6-Tribromophenol	624579	CCV	51700	100000	ug/L	51.7	10.0 - 150	126353475
2-Fluorophenol-SURR	624579	CCV	51000	100000	ug/L	51.0	10.0 - 150	126353475
4-Terphenyl-d14-SURR	624579	CCV	47300	50000	ug/L	94.6	30.0 - 150	126353475
Nitrobenzene-d5-SURR	624579	CCV	47000	50000	ug/L	94.0	30.0 - 150	126353475
Phenol-d6-SURR	624579	CCV	50000	100000	ug/L	50.0	10.0 - 150	126353475

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Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4,6-Tribromophenol	1119641	Blank	61.7	100	ug/L	61.7	10.0 - 150	126353476
2,4,6-Tribromophenol	1119641	LCS	51.4	100	ug/L	51.4	10.0 - 150	126353477
2,4,6-Tribromophenol	1119641	LCS Dup	51.7	100	ug/L	51.7	10.0 - 150	126353478
2-Fluorophenol-SURR	1119641	Blank	43300	100000	ug/L	43.3	10.0 - 150	126353476
2-Fluorophenol-SURR	1119641	LCS	32400	100000	ug/L	32.4	10.0 - 150	126353477
2-Fluorophenol-SURR	1119641	LCS Dup	29700	100000	ug/L	29.7	10.0 - 150	126353478
4-Terphenyl-d14-SURR	1119641	Blank	29900	50000	ug/L	59.8	30.0 - 150	126353476
4-Terphenyl-d14-SURR	1119641	LCS	21100	50000	ug/L	42.2	30.0 - 150	126353477
4-Terphenyl-d14-SURR	1119641	LCS Dup	19900	50000	ug/L	39.8	30.0 - 150	126353478
Nitrobenzene-d5-SURR	1119641	Blank	34100	50000	ug/L	68.2	30.0 - 150	126353476
Nitrobenzene-d5-SURR	1119641	LCS	19100	50000	ug/L	38.2	30.0 - 150	126353477
Nitrobenzene-d5-SURR	1119641	LCS Dup	18000	50000	ug/L	36.0	30.0 - 150	126353478
Phenol-d6-SURR	1119641	Blank	27600	100000	ug/L	27.6	10.0 - 150	126353476
Phenol-d6-SURR	1119641	LCS	22000	100000	ug/L	22.0	10.0 - 150	126353477
Phenol-d6-SURR	1119641	LCS Dup	19300	100000	ug/L	19.3	10.0 - 150	126353478
2,4,6-Tribromophenol	2298524	Unknown	59.3	98.3	ug/L	60.3	10.0 - 150	126353483
2-Fluorophenol-SURR	2298524	Unknown	33.8	98.3	ug/L	34.4	10.0 - 150	126353483
4-Terphenyl-d14-SURR	2298524	Unknown	29.6	49.2	ug/L	60.2	30.0 - 150	126353483
Nitrobenzene-d5-SURR	2298524	Unknown	34.9	49.2	ug/L	70.9	30.0 - 150	126353483
Phenol-d6-SURR	2298524	Unknown	30.6	98.3	ug/L	31.1	10.0 - 150	126353483

Analytical Set 1120982 EPA 632

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Carbaryl (Sevin)	1119184	ND	66.1	2500	ug/L	126369922
Diuron	1119184	ND	44.4	45.0	ug/L	126369922

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Carbaryl (Sevin)	943	1000	ug/L	94.3	70.0 - 130	126369921
Carbaryl (Sevin)	976	1000	ug/L	97.6	70.0 - 130	126369925
Carbaryl (Sevin)	939	1000	ug/L	93.9	70.0 - 130	126369929
Carbaryl (Sevin)	1020	1000	ug/L	102	70.0 - 130	126369931
Carbaryl (Sevin)	937	1000	ug/L	93.7	70.0 - 130	126369932
Carbaryl (Sevin)	858	1000	ug/L	85.8	70.0 - 130	126369933
Carbaryl (Sevin)	1040	1000	ug/L	104	70.0 - 130	126369935
Diuron	956	1000	ug/L	95.6	70.0 - 130	126369921
Diuron	1000	1000	ug/L	100	70.0 - 130	126369925
Diuron	984	1000	ug/L	98.4	70.0 - 130	126369929
Diuron	984	1000	ug/L	98.4	70.0 - 130	126369931
Diuron	1020	1000	ug/L	102	70.0 - 130	126369932
Diuron	898	1000	ug/L	89.8	70.0 - 130	126369933
Diuron	1020	1000	ug/L	102	70.0 - 130	126369935

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Carbaryl (Sevin)	1119184	936	969	1000	17.1 - 131	93.6	96.9	ug/L	3.46	30.0
Diuron	1119184	589	566	1000	0.100 - 138	58.9	56.6	ug/L	3.98	30.0

Analytical Set 1121305 ASTM D7065-11

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Nonylphenol	1120924	ND	5.00	30.0	ug/L	126376370

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Nonylphenol	150000	150000	ug/L	99.7	70.0 - 130	126376369
Nonylphenol	156000	150000	ug/L	104	70.0 - 130	126376381

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	624841	CCV	715900	715900	357900	1074000	126376369	624841
Acenaphthene-d10-ISTD	624841	CCV	545200	715900	357900	1074000	126376381	624841
Phenanthrene-d10-ISTD	624841	CCV	1025000	1025000	512600	1538000	126376369	624841
Phenanthrene-d10-ISTD	624841	CCV	833700	1025000	512600	1538000	126376381	624841
Acenaphthene-d10-ISTD	1120924	Blank	605300	715900	357900	1074000	126376370	1120924
Acenaphthene-d10-ISTD	1120924	LCS	516800	715900	357900	1074000	126376371	1120924
Acenaphthene-d10-ISTD	1120924	LCS Dup	461900	715900	357900	1074000	126376372	1120924
Phenanthrene-d10-ISTD	1120924	Blank	935400	1025000	512600	1538000	126376370	1120924
Phenanthrene-d10-ISTD	1120924	LCS	759800	1025000	512600	1538000	126376371	1120924
Phenanthrene-d10-ISTD	1120924	LCS Dup	715600	1025000	512600	1538000	126376372	1120924
Acenaphthene-d10-ISTD	2298524	Unknown	471800	715900	357900	1074000	126376373	1120924
Phenanthrene-d10-ISTD	2298524	Unknown	708500	1025000	512600	1538000	126376373	1120924

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	624841	CCV	7.382	7.382	7.322	7.442	126376369	624841
Acenaphthene-d10-ISTD	624841	CCV	7.382	7.382	7.322	7.442	126376381	624841
Phenanthrene-d10-ISTD	624841	CCV	8.626	8.626	8.566	8.686	126376369	624841
Phenanthrene-d10-ISTD	624841	CCV	8.626	8.626	8.566	8.686	126376381	624841
Acenaphthene-d10-ISTD	1120924	Blank	7.394	7.382	7.322	7.442	126376370	1120924
Acenaphthene-d10-ISTD	1120924	LCS	7.388	7.382	7.322	7.442	126376371	1120924
Acenaphthene-d10-ISTD	1120924	LCS Dup	7.382	7.382	7.322	7.442	126376372	1120924
Phenanthrene-d10-ISTD	1120924	Blank	8.644	8.626	8.566	8.686	126376370	1120924
Phenanthrene-d10-ISTD	1120924	LCS	8.632	8.626	8.566	8.686	126376371	1120924
Phenanthrene-d10-ISTD	1120924	LCS Dup	8.620	8.626	8.566	8.686	126376372	1120924
Acenaphthene-d10-ISTD	2298524	Unknown	7.382	7.382	7.322	7.442	126376373	1120924
Phenanthrene-d10-ISTD	2298524	Unknown	8.620	8.626	8.566	8.686	126376373	1120924

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Nonylphenol	1120924	109	96.4	150	56.0 - 112	72.7	64.3	ug/L	12.3	30.0

AQU1-G

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Project
1103113

Printed 05/31/2024

Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
4-Nonylphenol-SURR	624841	CCV	27800	25000	ug/L	111	50.0 - 130	126376369
4-Nonylphenol-SURR	624841	CCV	27100	25000	ug/L	108	50.0 - 130	126376381
4-Nonylphenol-SURR	1120924	Blank	16000	25000	ug/L	64.0	50.0 - 130	126376370
4-Nonylphenol-SURR	1120924	LCS	18800	25000	ug/L	75.2	50.0 - 130	126376371
4-Nonylphenol-SURR	1120924	LCS Dup	17600	25000	ug/L	70.4	50.0 - 130	126376372
4-Nonylphenol-SURR	2298524	Unknown	17.4	24.6	ug/L	70.7	50.0 - 130	126376373

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

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

AQUA-TECH LABORATORIES, INC.

ATL - Bryan Facility:
635 Phil Gramm Blvd.
Bryan, TX 77807
(979) 778-3707
Fax (979) 778-3193

ATL - Austin Facility:
3512 Montopolis Drive
Austin, TX 78744
(512) 301-9559
Fax (512) 301-9552

Chain-of-Custody & Analysis Request

C:\ELMNT\Print\sco_ATL 022924.rpt

T104704371

C-O-C #

804 - H015650

All analyses must be performed by a TNI approved method certified by the TCEQ. Contact ATL's sample custodian via voice and email if your methods do not meet this criteria.

See Attached for Tracking # and Temp

Relinquished by: (print & sign) ☐ ATL-Austin ☐ ATL - Bryan ☐ Sampler Michelle Barton		Date 5-13-24	Time 1500	☐ Ice ☐ Custody Seals ☐ Not Chilled	**Abbreviations:** DW - Drinking Water; NP - Non-Potable Water; S - Solid; CTU - Custody Transfer Unbroken; StP - Sterile Plastic; LP - Liter Plastic; LG - Liter Glass
Carrier & Tracking Number: Fed Ex	Cooler 2: B024 / 2737 8955 3789			Sample Intg "X" all that apply	**Aqua-Tech Comments and Special Instructions**
Received by: (print & sign) ☑ Received in Lab Raychawn Thompson GDL, Inc.		Date 5/14/24	Time 1200	☑ Received Iced ☐ CTU ☑ Condition Good ☐ Not Rec'd Cool	Use sample ID as PO# Need new 2010 MALs. Please J Flag metals < MRL & note all metals < MDL on reports.

Cooler Temperature (°C)	Temp. Read (TR)	Corrected Temp. (CT)	Thermometer ID
Cooler 1			
Cooler 2			

Please email reports to:
reporting@aqua-techlabs.com

Please return cooler(s) to:

Do not further sub-contract any analysis.
Keep in house or call for further instructions.

AQUA-TECH LABORATORIES, INC.

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Bryan, TX 77807
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Fax (979) 778-3193

ATL - Austin Facility:
3512 Montopolis Drive
Austin, TX 78744
(512) 301-9559
Fax (512) 301-9552

Chain-of-Custody & Analysis Request

SHIPPED TO:
SPL-Kilgore (T104704201)
2600 Dudley Road
Kilgore, TX 75662
Phone: (903) 984-0551
Fax: (903) 984-5914

C-O-C #
804 - H015650

T104704371

All analyses must be performed by a TNI approved method certified by the TCEQ. Contact ATL's sample custodian via voice and email if your methods do not meet this criteria.

[redacted]

Nonylphenol - ASTM D7065-11	Hg LL - EPA 1631/245.7 R2.0	Ag - EPA 200.8 R5.4	Hexachlorophene - EPA 604.1
PCB - EPA 608	Pesticides 10054 - EPA 608.3	Organophoshorus Pesticides 10054 - EPA 614	Herbicides - EPA 615
Mirex & Dicofol & Methoxychlor - EPA 617	Chlorpyrifos 10054 - EPA 622	[redacted]	[redacted]
Cresols NP - EPA 625	Semivolatiles (10054/55) - EPA 625	Semi NP Additional from 30 - EPA 625.1	Carbaryl - EPA 632
Diuron - EPA 632	CN NP - SM4500 CN E 2011	CN Amenable NP - SM4500 CN G 2011	

[redacted]

Hg LL - EPA 1631/245.7 R2.0

CONTAINERS SUPPLIED: (ATL indicates cooler number in parentheses for each container - only required if more than one cooler listed below.)

( ) H015650-01 [Q] - PCB 1LG	( ) H015650-01 [R] - Cresols 1LG	( ) H015650-01 [S] - Hexachlorophene 1LG
( ) H015650-01 [T] - Pesticides 1LG	( ) H015650-01 [U] - Pest OrgPO4 1LG	( ) H015650-01 [V] - Herbicides 1LG
( ) H015650-01 [W] - [SUB] ANA Hg LL ANA 1L HCl	( ) H015650-01 [X] - NONYLPHENOL 1LG H2SO4	( ) H015650-01 [Y] - Semivolatiles 1LG Amber
( ) H015650-01 [Z] - 1LG Amber	( ) H015650-01 [AA] - 1LG Amber	( ) H015650-01 [AB] - [SUB] ANA 0.25LP HNO3
( ) H015650-01 [AC] - CN 0.5LP NaOH *[pH>10, absent for Cl & sulfides]*	([redacted]	([redacted]
[redacted]	[redacted]	[redacted]
( ) H015650-01 [AL] - Carbaryl-Diuron 1LG		
( ) H015650-02 [A] - [SUB] ANA Hg LL ANA 1L HCl		

See next page(s) for list of analytes requested.

The following 10 pages of analyses are requested for H015650, please let us know if anything is missing from our request. <MRB>

1103113 CoC Print Group 001 of 003

AQUA-TECH LABORATORIES, INC.

ATL - Bryan Facility:
635 Phil Gramm Blvd.
Bryan, TX 77807
(979) 778-3707
Fax (979) 778-3193

ATL - Austin Facility:
3512 Montopolis Drive
Austin, TX 78744
(512) 301-9559
Fax (512) 301-9552

Chain-of-Custody & Analysis Request

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T104704371

C-O-C #

804 - H015650

All analyses must be performed by a TNI approved method certified by the TCEQ. Contact ATL's sample custodian via voice and email if your methods do not meet this criteria.

Relinquished by: (print & sign) ☐ ATL-Austin ☐ ATL - Bryan ☐ Sampler Michelle Barton			Date 5-13-24	Time 1500	☐ Iced ☐ Custody Sealed ☐ Not Chilled
Carrier & Tracking Number: Fed Ex	Cooler 1: AQU777 [Volatiles[/ 2737 8955 2061				Sample Info "X" all that apply
Received by: (print & sign) ☐ Received in Lab Rayshawn Thompson SPL, Inc.			Date 5/14/24	Time 1200	☐ Preserved Vial ☐ CTU ☐ Condition Good ☐ Not Rcvd Vial
Cooler Temperature (°C)	Temp. Read (TR)	Corrected Temp. (CT)	Thermometer ID	Please email reports to: reporting@aqua-techlabs.com	
Cooler 1				Please return cooler(s) to:	
Cooler 2					

Abbreviations: DW - Drinking Water; NP - Non-Potable Water; S - Solid; CTU - Custody Transfer Unbroken; StP - Sterile Plastic; LP - Liter Plastic; LG - Liter Glass

Use sample ID as PO#

Need new 2010 MALs. Please J Flag metals < MRL & note all metals < MDL on reports.

Do not further sub-contract any analysis.
Keep in house or call for further instructions.

AQUA-TECH LABORATORIES, INC.

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635 Phil Gramm Blvd.
Bryan, TX 77807
(979) 778-3707
Fax (979) 778-3193

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3512 Montopolis Drive
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(512) 301-9559
Fax (512) 301-9552

Chain-of-Custody & Analysis Request

SHIPPED TO:
SPL-Kilgore (T104704201)
2600 Dudley Road
Kilgore, TX 75662
Phone: (903) 984-0551
Fax: (903) 984-5914

C-O-C #

804 - H015650

T104704371

Page 1 of 5

All analyses must be performed by a TNI approved method certified by the TCEQ. Contact ATL's sample custodian via voice and email if your methods do not meet this criteria.

Nonylphenol - ASTM D7065-11
PCB - EPA 608

Hg LL - EPA 1631/245.7 R3.0
Pesticides 10054 - EPA 608.3

Ag - EPA 200.8 R5.4
Organophosphorus Pesticides 10054 - EPA

Hexachlorophene - EPA
Herbicides - EPA

Mirex & Dieldrin & Methoxychlor - EPA 617
Cresols NP - EPA 625
Diuron - EPA 632

Chlorpyrifos 10054 - EPA 622
Semivolatiles (10054/55) - EPA 625
CN NP - SM4500 CN E 2011

Acrolein & Acrylonitrile - EPA 624.1
Semi NP
CN Amenable NP - SM4500 CN G 2011

Vol 10054 - EPA 624.1
Carbaryl - EPA 632

Hg LL - EPA

CONTAINERS SUPPLIED: (ATL indicates cooler number in parentheses for each container - only required if more than one cooler listed below.)

( ) H015650-01 [AD] - Volatiles 40mL VOA Na2S2O3

( ) H015650-01 [AE] - Volatiles 40mL VOA Na2S2O3

( ) H015650-01 [AF] - Volatiles 40mL VOA Na2S2O3

( ) H015650-01 [AG] - Volatiles 40mL VOA Na2S2O3

( ) H015650-01 [AH] - Acrolein Acrylonitrile 40mL VOA

( ) H015650-01 [AI] - Acrolein Acrylonitrile 40mL VOA

( ) H015650-01 [AJ] - Acrolein Acrylonitrile 40mL VOA

( ) H015650-01 [AK] - Acrolein Acrylonitrile 40mL VOA

See next page(s) for list of analytes requested.

Make sure test method used is sensitive enough to detect pollutant at MAL! Use a reporting limit equal to the MAL!

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: Click to enter text.

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
Aldrin				0.01
[redacted]				2.5
Anthracene				10
[redacted]				5
[redacted]				0.5
[redacted]				3
Benzene				10
Benzidine				50
Benzo(a)anthracene				5
Benzo(a)pyrene				5
Bis(2-chloroethyl)ether				10
Bis(2-ethylhexyl)phthalate				10
Bromodichloromethane				10
Bromoform				10
[redacted]				1
Carbon Tetrachloride				2
Carbaryl				5
Chlordane*				0.2
Chlorobenzene				10
Chlorodibromomethane				10
Chloroform				10
Chlorpyrifos				0.05
[redacted]				3
[redacted]				N/A

[redacted]

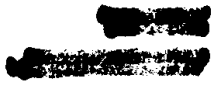
[redacted]

[redacted]

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

[redacted]

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endrin				0.02
Ethylbenzene				10
[redacted]				500
Guthion				0.1
Heptachlor				0.01
Heptachlor Epoxide				0.01
Hexachlorobenzene				5
Hexachlorobutadiene				10
Hexachlorocyclohexane (alpha)				0.05
Hexachlorocyclohexane (beta)				0.05
gamma-Hexachlorocyclohexane (Lindane)				0.05
Hexachlorocyclopentadiene				10
Hexachloroethane				20
Hexachlorophene				10
[redacted]				0.5
Malathion				0.1
Mercury				0.005
Methoxychlor				2
Methyl Ethyl Ketone				50
Mirex				0.02
[redacted]				2
[redacted]				100
Nitrobenzene				10
N-Nitrosodiethylamine				20
N-Nitroso-di-n-Butylamine				20
Nonylphenol				333
Parathion (ethyl)				0.1
Pentachlorobenzene				20
Pentachlorophenol				5
Phenanthrene				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
Pyridine				20
[redacted]				5
Silver				0.5
1,2,4,5-Tetrachlorobenzene				20
1,1,2,2-Tetrachloroethane				10
Tetrachloroethylene				10
[redacted]				0.5
Toluene				10
Toxaphene				0.3
2,4,5-TP (Silvex)				0.3
Tributyltin (see instructions for explanation)				0.01
1,1,1-Trichloroethane				10
1,1,2-Trichloroethane				10
Trichloroethylene				10
2,4,5-Trichlorophenol				50
TTHM (Total Trihalomethanes)				10
Vinyl Chloride				10
[redacted]				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.

[redacted]

[redacted]

[redacted]

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: Click to enter text.

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)
[redacted]				5
[redacted]				0.5
[redacted]				0.5
[redacted]				1
[redacted]				3
[redacted]				3
[redacted]				N/A
[redacted]				2
[redacted]				0.5
Mercury				0.005
[redacted]				2
[redacted]				5
Silver				0.5
[redacted]				0.5
[redacted]				5
Cyanide **(*2)**				10
Phenols, Total				10

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

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

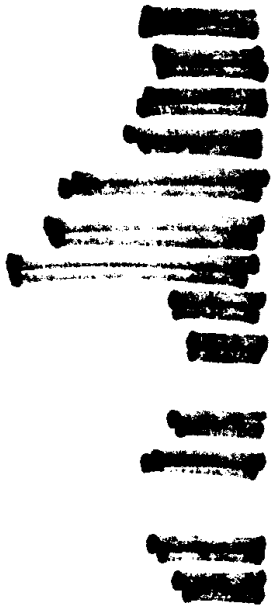


Table 4.0(2)B – Volatile Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrolein				50
Acrylonitrile				50
Benzene				10
Bromoform				10
Carbon Tetrachloride				2
Chlorobenzene				10
Chlorodibromomethane				10
Chloroethane				50
2-Chloroethylvinyl Ether				10
Chloroform				10
Dichlorobromomethane [Bromodichloromethane]				10
1,1-Dichloroethane				10
1,2-Dichloroethane				10
1,1-Dichloroethylene				10
1,2-Dichloropropane				10
1,3-Dichloropropylene [1,3-Dichloropropene]				10
1,2-Trans-Dichloroethylene				10
Ethylbenzene				10
Methyl Bromide				50
Methyl Chloride				50
Methylene Chloride				20
1,1,2,2-Tetrachloroethane				10
Tetrachloroethylene				10
Toluene				10
1,1,1-Trichloroethane				10
1,1,2-Trichloroethane				10
Trichloroethylene				10
Vinyl Chloride				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
2,4-Dichlorophenol				10
2,4-Dimethylphenol				10
4,6-Dinitro-o-Cresol				50
2,4-Dinitrophenol				50
2-Nitrophenol				20
4-Nitrophenol				50
P-Chloro-m-Cresol				10
Pentalchlorophenol				5
Phenol				10
2,4,6-Trichlorophenol				10

Table 4.0(2)D – Base/Neutral Compounds

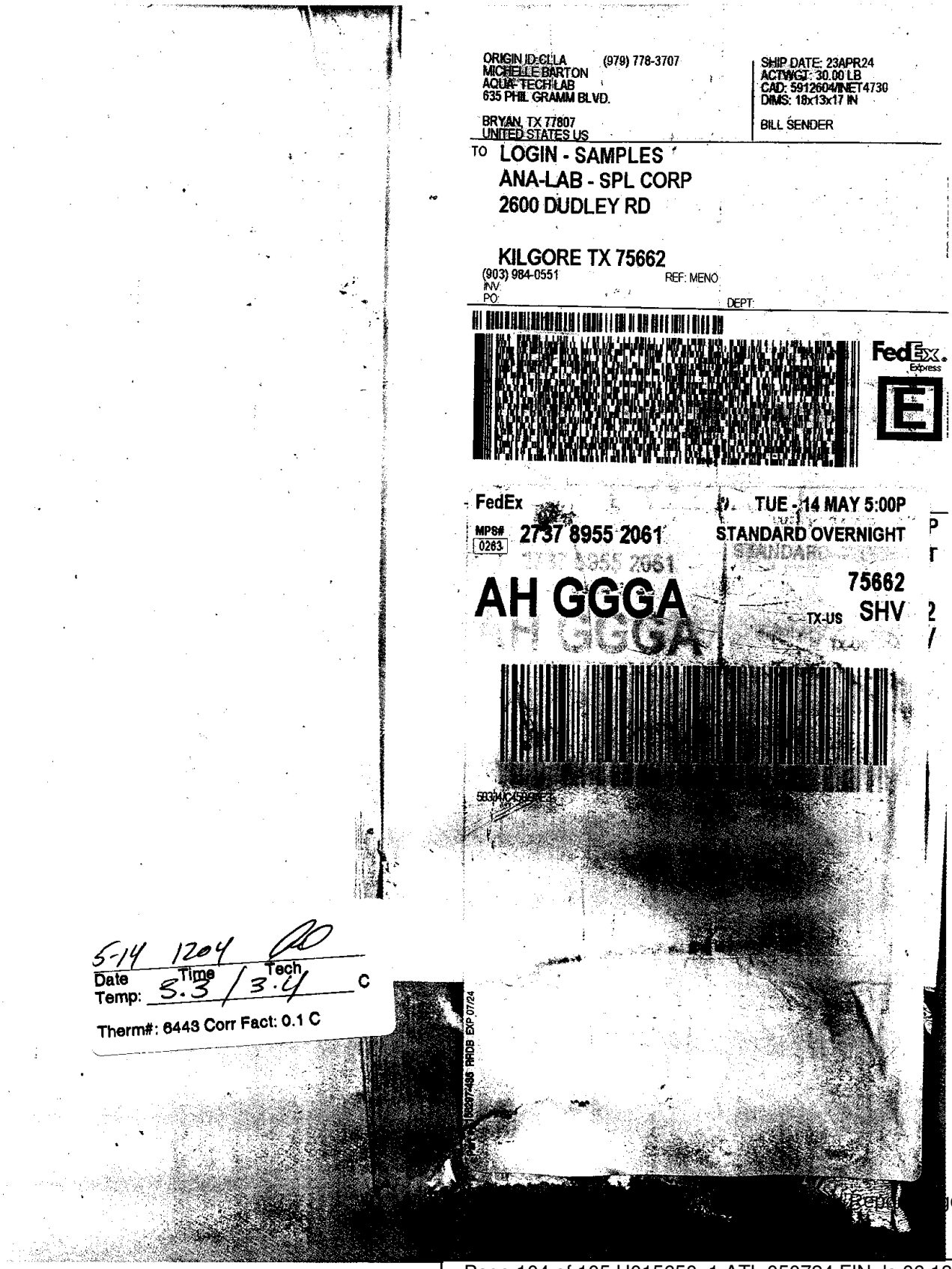
Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acenaphthene				10
Acenaphthylene				10
Anthracene				10
Benzidine				50
Benzo(a)Anthracene				5
Benzo(a)Pyrene				5
3,4-Benzofluoranthene				10
Benzo(ghi)Perylene				20
Benzo(k)Fluoranthene				5
Bis(2-Chloroethoxy)Methane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

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

Table 4.0(2)E - Pesticides

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

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


ORIGIN ID:CLLA (979) 778-3707
MICHELLE BARTON
AQUA TECH LAB
635 PHIL GRAMM BLVD.
BRYAN, TX 77807
UNITED STATES US
SHIP DATE: 23APR24
ACTWGT: 30.00 LB
CAD: 5912604/INET4730
DIMS: 18x13x17 IN
BILL SENDER
TO LOGIN - SAMPLES
ANA-LAB - SPL CORP
2600 DUDLEY RD
KILGORE TX 75662
(903) 984-0551
REF: MENO
INV:
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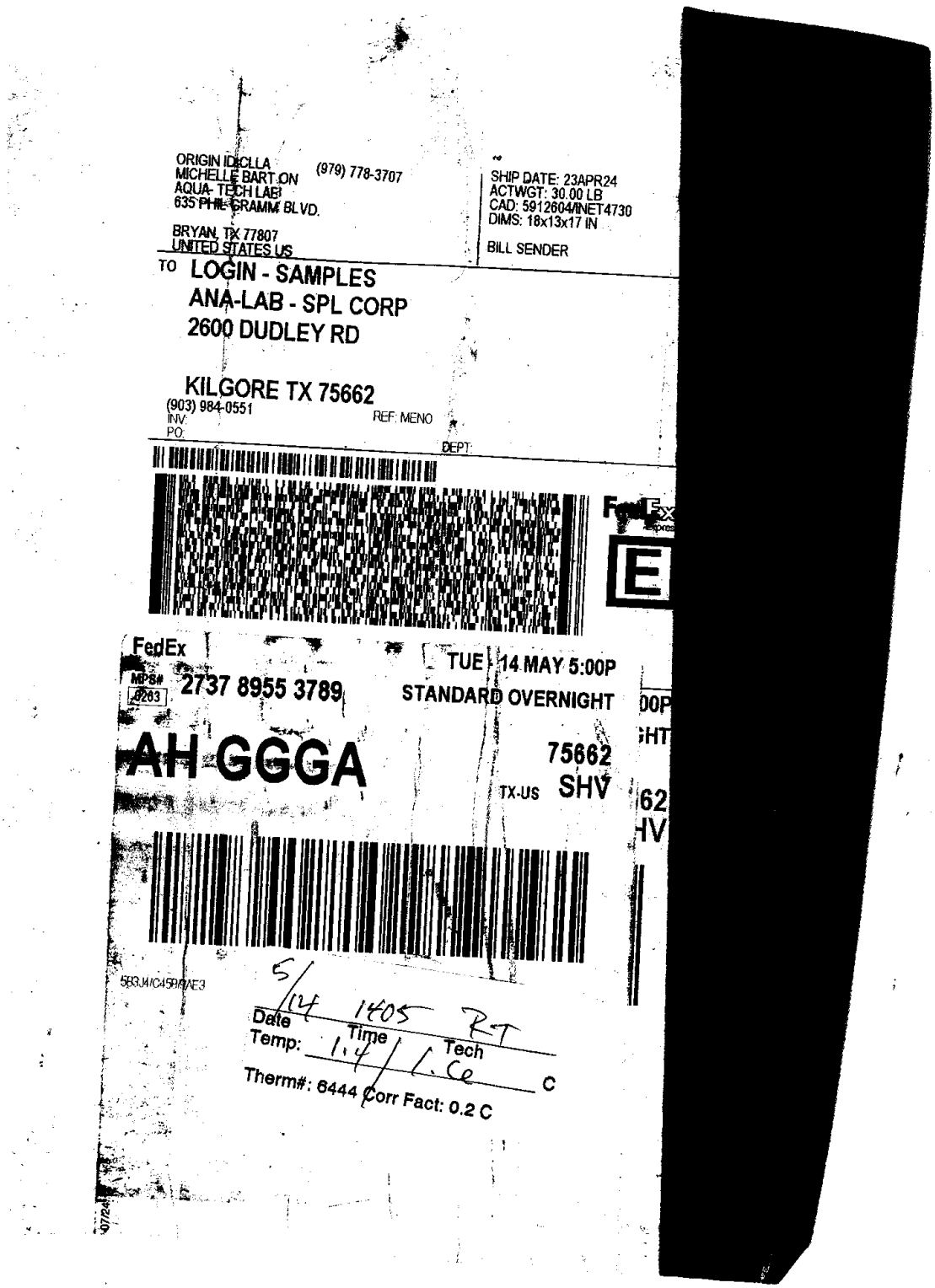
DEPT:
FedEx Express
FedEx
TUE - 14 MAY 5:00P
MPS# 2737 8955 2061
STANDARD OVERNIGHT
0263
AH GGGA
75662
TX-US SHV
5-14 1204
Date Time Tech
Temp: 5.3 / 3.4 C
Therm#: 6443 Corr Fact: 0.1 C

1103113 CoC Print Group 003 of 003



The following attachments are not needed for the City of Warton WWTP no. 1 TPDES Permit Renewal:

Buffer Zone Map

Design Calculations

Solids Management Plan

Water Ballance

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Francesca Findlay

From: Steve G. Barry PE <sbarry@quiddity.com>
Sent: Monday, August 5, 2024 4:31 PM
To: Francesca Findlay
Cc: Jonathan Nguyen
Subject: RE: WQ0010381001 City of Wharton
Attachments: Municipal Discharge Renewal Spanish NORI.docx

Follow Up Flag: Follow up
Flag Status: Flagged

I have reviewed the portion of the NORI that contains information relevant to our application and there is one error. In the first line of the NORI, the zip code should be 77488.

I have attached a Spanish translation of the NORI

Steve Barry
Senior Engineer - Permitting Specialist
Email: sbarry@quiddity.com
T: 281-363-4039

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Monday, August 5, 2024 10:20 AM
To: Jonathan Nguyen <jnguyen@quiddity.com>
Cc: Steve G. Barry PE <sbarry@quiddity.com>
Subject: FW: WQ0010381001 City of Wharton

Dear Mr. Nguyen:

The attached Notice of Deficiency letter sent on August 5, 2024, requesting additional information needed to declare the application administratively complete. Please send the complete response to my attention August 19, 2024.

Thank you,

Fran Findlay

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality

Please consider whether it is necessary to print this e-mail

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