



Administrative Package Cover Page

This file contains the following documents:

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



Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS Enter 'INDUSTRIAL' or 'DOMESTIC' here WASTEWATER/STORMWATER

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

Structural Metals Inc. (CN600129001) operates Structural Metals (RN102413689), an electric arc furnace steel manufacturing plant employing approximately 650 employees. The facility is located at 1 Steel Mill Drive, in Seguin, Guadalupe County, Texas 78155. This application seeks to renew Permit Number WQ0001712000 in order to support the facility's continued production of steel through the electric arc furnace process. There are several important uses for water which either directly, or indirectly, support steel production to include: filtration and water softening, the caster mold noncontact cooling water system, melt noncontact cooling water system, the caster spray system, mill noncontact cooling water system, mill contact cooling water system, and the surge pond system. As a consequence of these various systems, the generation of industrial process wastewater comprises 88% (105,000 GPD) of total contributing flow, whereas domestic wastewater contributes 13% (15,000 GPD). The current permit limits final treated effluent volumes to a daily average of 0.120 MGD, and a daily maximum of 0.180 MGD. No changes are sought in this permit application.

Discharges from the facility are expected to contain low levels of the following in treated effluent: BDD-5, Total Suspended Solids, Oil and Grease, Chlorides, Sulfates, Copper, Chromium, Zinc, Lead and Cadmium. Sanitary wastewater is treated by a package plant to address these flows, and a Surge Pond which facilitates particulate sedimentation is a source of industrial water reuse.

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

AGUAS RESIDUALES Introduzca 'INDUSTRIALES' o 'DOMÉSTICAS' aquí /AGUAS PLUVIALES

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

1. Introduzca el nombre del solicitante aquí (CN600129001) 3. Elija del menú desplegable 4. Introduzca el nombre de la instalación aquí RN102413689, 6. Elija del menú desplegable 7. Introduzca la descripción de la instalación aquí. La instalación 8. Elija del menú desplegable ubicada en 9. Introduzca la ubicación aquí, en 10. Introduzca el nombre de la ciudad aquí, Condado de 11. Introduzca el nombre del condado aquí, Texas 12. Introduzca el código postal aquí. 13. Introduzca el resumen de la petición de solicitud aquí.

Se espera que las descargas de la instalación contengan 14. Liste todos los contaminantes esperados aquí. 15. Introduzca los tipos de aguas residuales descargadas aquí. 16. Elija del menú desplegable tratado por 17. Introduzca una descripción del tratamiento de aguas residuales utilizado en la instalación aquí.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0001712000

APPLICATION. Structural Metals, Inc., P.O. Box 911, Seguin, Texas 78156, which owns a steel manufacturing and scrap metal shredding facility, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0001712000 (EPA I.D. No. TX0083178) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 120,000 gallons per day. The facility is located at 1 Steel Mill Drive, near the city of Seguin, in Guadalupe County, Texas 78155. The discharge route is from the plant site directly to Guadalupe River Below Comal River. TCEQ received this application on November 8, 2024. The permit application will be available for viewing and copying at Seguin Public Library, Public Documents Room, 313 West Nolte Street, Seguin, 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=-98.02383,29.579064&level=18>

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

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

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

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

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

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

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

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

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

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

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

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

Further information may also be obtained from Structural Metals, Inc. at the address stated above or by calling Mr. Troy Penshorn, Environmental Manager, at 830-499-3117.

Issuance Date: December 5, 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. WQ0001712000

SOLICITUD. Structural Metals, Inc., P.O. Box 911, Seguin, Texas 78156 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0001712000 (EPA I.D. No. TX TX0083178) 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 120,000 galones diario. La planta está ubicada 1 Steel Mill Drive, cerca de la ciudad de Seguin en el Condado de Guadalupe, Texas 78155. La ruta de descarga es del sitio de la planta directamente al Rio Guadalupe River, a bajo del Rio Comal. La TCEQ recibió esta solicitud el 8 de Noviembre, 2024. La solicitud para el permiso está disponible para leerla y copiarla en la Biblioteca Publica de Seguin, Cuarto de Documentos Publicos, 313 West Nolte Street, Seguin, Texas, antes del día de la publicación en el periódico. La solicitud (cualquier actualización y aviso incluido) está disponible electrónicamente en la siguiente página web: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. Este enlace a un mapa electrónico 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=-98.02383,29.579064&level=18>

AVISO ADICIONAL. El Director Ejecutivo de la TCEQ ha determinado que la solicitud es administrativamente completada 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 enviados 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 represente al grupo para recibir correspondencia en el futuro; identificar el nombre y la dirección de un miembro del grupo que sería afectado adversamente por la planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

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

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

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

CONTACTOS E INFORMACIÓN DE LA TCEQ. Todos los comentarios escritos del público y los para pedidos una reunión deben ser presentados a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at www.tceq.texas.gov/about/comments.html. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: www.tceq.texas.gov.

También se puede obtener información adicional del Structural Metals, Inc. a la dirección indicada arriba o llamando a (Sr.) Mr. Troy Penshorn, Environmental Manager al 830-499-3117.

Fecha de emisión 5 de diciembre de 2024



November 15, 2024

Abesha Michael
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission on Environmental Quality

RE: Response to Application Renewal Questions

Permit No.: WQ0001712000 (EPA ID No.: TX0083178)

Site Name: Structural Metals (RN102413689)

Type: Renewal without changes

Hello Mrs. Michael,

Please see responses to each question below taken in the order they appear in your document to me dated November 13, 2024.

1. Section II, items 7&8 on page 1 of Core Data Form (CDF): Thank you for addressing these items. However, the TX SOS Filing Number and the Texas State ID Number are incorrect. After a routine verification, for Structural Metals, Inc., with the Texas Secretary of State and the Texas Comptroller's Office for, they show the Charter SoS No. is 9292700 and the TAX ID Number is 17410709657. Please confirm and submit a revised CDF.

Response: Electronic File Attached; Labeled Attachment 1.

2. Section III, item 24 on page 2 of the Core Data Form (CDF): This item was left blank. However, the name of the county is required. Please complete item 24 and submit a revised CDF.

Response: Electronic File Attached; Labeled Attachment 1.

3. Item 10B, on page 8 of the administrative Report: Thank you for addressing this item. However, the name of the project or site (the name known by the community where located) is incorrect. As per the existing permit, our records the CDF provided, the name of the project is "Structural Metals." Please update item 10B and submit a revised page.

Response: Please see Attachment 2.

4. Item 10D, on page 8 of the application: This item was left blank. However, the owner of the facility, Structural Metals, Inc., has to be indicated. Please complete and submit a revised page 8.

Response: Please see Attachment 3.

5. Item 10F, on page 9 of the administrative Report: This item was left blank. However, the owner of the land where the facility is located has to be indicated. If the applicant is not the owner of the land, we need a deed, or a long-term lease agreement signed by both parties.

Response: Please see Attachment 4.

6. Item 11B on Page 9 of the administrative Report: We were unable to locate the USGS Topographic map with the following information: The Applicant's property boundary, treatment facility boundary within the applicant property boundary, labeled point of discharge, highlighted discharge route for 3 miles downstream or until it reaches a classified segment, and 1 mile radius in all directions of the site. Please email a USGS map to show all the above information.

Response: Electronic File attached; Labeled Attachment 5.

7. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

Response: No errors or omissions detected in the English NORI.

8. The application indicates that public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a Microsoft Word document.

Response: Electronic File attached; Labeled Attachment 6.

Please let me know if there are any remaining questions regarding my responses to the questions posed by the TCEQ.

Sincerely,



Troy Penshorn

CMC Environmental Manager

830-499-3117

Attachment 2

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

☒ Yes ☐ No

If no, publication of an alternative language notice is not required; skip to Item 8 (Regulated Entity and Permitted Site Information.)

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No ☐ N/A

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

- f. Plain Language Summary Template - Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment. Attachment: Attachment 3

- g. Complete one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment and include as an attachment. Attachment: Click to enter text.

Item 10. Regulated Entity and Permitted Site Information (Instructions Page 29)

- a. TCEQ issued Regulated Entity Number (RN), if available: RN102413689

Note: If your business site is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search the TCEQ's Central Registry to determine the RN or to see if the larger site may already be registered as a Regulated Entity. If the site is found, provide the assigned RN.

- b. Name of project or site (the name known by the community where located): Structural Metals, Inc.

- c. Is the location address of the facility in the existing permit the same?

☒ Yes ☐ No ☐ N/A (new permit)

Note: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required.

- d. Owner of treatment facility:

Prefix: Click to enter text. Full Name (Last/First Name): Click to enter text.

or Organization Name: Structural Metals, Inc.

Mailing Address: 1 Steel Mill Drive

City/State/Zip: Seguin, TX 78155

Attachment 3

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

☒ Yes ☐ No

If no, publication of an alternative language notice is not required; skip to Item 8 (Regulated Entity and Permitted Site Information.)

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No ☐ N/A

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

- f. Plain Language Summary Template - Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment. Attachment: Attachment 3

- g. Complete one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment and include as an attachment. Attachment: Click to enter text.

Item 10. Regulated Entity and Permitted Site Information (Instructions Page 29)

- a. TCEQ issued Regulated Entity Number (RN), if available: RN102413689

Note: If your business site is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search the TCEQ's Central Registry to determine the RN or to see if the larger site may already be registered as a Regulated Entity. If the site is found, provide the assigned RN.

- b. Name of project or site (the name known by the community where located): Structural Metals, Inc.

- c. Is the location address of the facility in the existing permit the same?

☒ Yes ☐ No ☐ N/A (new permit)

Note: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required.

- d. Owner of treatment facility:

Prefix: Click to enter text. Full Name (Last/First Name): Click to enter text.

or Organization Name: Structural Metals, Inc.

Mailing Address: 1 Steel Mill Drive

City/State/Zip: Seguin, TX 78155

Attachment 4

Phone No: 830-499-3117

Email: Troy.Penshorn@CMC.Com

e. Ownership of facility: ☐ Public ☒ Private ☐ Both ☐ Federal

f. Owner of land where treatment facility is or will be: Click to enter text.

Prefix: Click to enter text.

Full Name (Last/First Name): Click to enter text.

or Organization Name: Structural Metals, Inc.

Mailing Address: 1 Steel Mill Drive

City/State/Zip: Seguin, TX 78155

Phone No: 830-499-3117

Email: Troy.Penshorn@CMC.Com

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years (In some cases, a lease may not suffice - see instructions). Attachment: Click to enter text.

g. Owner of effluent TLAP disposal site (if applicable): Click to enter text.

Prefix: Click to enter text.

Full Name (Last/First Name): Click to enter text.

or Organization Name: Click to enter text.

Mailing Address: Click to enter text.

City/State/Zip: Click to enter text.

Phone No: Click to enter text. Email: Click to enter text.

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: Click to enter text.

h. Owner of sewage sludge disposal site (if applicable):

Prefix: Click to enter text.

Full Name (Last/First Name): Click to enter text.

or Organization Name: Click to enter text.

Mailing Address: Click to enter text.

City/State/Zip: Click to enter text.

Phone No: Click to enter text. Email: Click to enter text.

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: Click to enter text.

Item 11. TDPES Discharge/TLAP Disposal Information (Instructions, Page 31)

a. Is the facility located on or does the treated effluent cross Native American Land?

☐ Yes ☒ No

b. Attach an original full size USGS Topographic Map (or an 8.5"×11" reproduced portion for renewal or amendment applications) with all required information. Check the box next to each item below to confirm it has been included on the map.

☒ One-mile radius

☐ Three-miles downstream information

☒ Applicant's property boundaries

☒ Treatment facility boundaries

☒ Labeled point(s) of discharge

☒ Highlighted discharge route(s)

☐ Effluent disposal site boundaries

☐ All wastewater ponds

☐ Sewage sludge disposal site

☐ New and future construction



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.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)		3. Regulated Entity Reference Number (if issued)
CN 600129001		RN 102413689

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

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John) <i>If new Customer, enter previous Customer below:</i>			
Structural Metals, Inc.			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
9292700	17410709657	7421952346	00-811-94
11. Type of Customer:	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input checked="" type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
15. Mailing Address:	PO Box 911		
	City	Seguin	State TX ZIP 78156 ZIP + 4 0911
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		Troy.Penshorn@cmc.com	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(830) 499-3117		() -	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If "New Regulated Entity" is selected, a new permit application is also required.)	
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
Structural Metals	

23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	1 Steel Mill Drive							
	City	Seguin	State		ZIP	78155	ZIP + 4	
24. County	Guadalupe							

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

25. Description to Physical Location:								
26. Nearest City					State			Nearest ZIP Code
Seguin				TX		78155		
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>								
27. Latitude (N) In Decimal:		29.576			28. Longitude (W) In Decimal:		98.033	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
29	34	32	98	01	57			
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)		
3312		3449		331111		332312		
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>								
Electric Arc Furnace Steel Production								
34. Mailing Address:	1 Steel Mill Drive							
	City	Seguin	State	TX	ZIP	78155	ZIP + 4	
35. E-Mail Address:	Troy.Penshorn@cmc.com							
36. Telephone Number			37. Extension or Code			38. Fax Number <i>(if applicable)</i>		
(830) 499-3117						() -		

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

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input checked="" type="checkbox"/> Emissions Inventory Air	<input checked="" type="checkbox"/> Industrial Hazardous Waste
			PSD-TX-708M5	31533
<input type="checkbox"/> Municipal Solid Waste	<input checked="" type="checkbox"/> New Source Review Air	<input checked="" type="checkbox"/> OSSF	<input checked="" type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
	PSD-TX-708M5	14197	0020531	
<input type="checkbox"/> Sludge	<input checked="" type="checkbox"/> Storm Water	<input checked="" type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
	TXR05DA08	O1316		
<input checked="" type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input checked="" type="checkbox"/> Water Rights	<input checked="" type="checkbox"/> Other: Water Reuse
31533	WQ0001712		3837-400	2E0000001

SECTION IV: Preparer Information

40. Name:	Troy Penshorn		41. Title:	Environmental Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(830) 499-3117		() -	Troy.Penshorn@cmc.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:	Commercial Metals Company	Job Title:	Environmental Manager
Name (In Print):	Troy Penshorn	Phone:	() -

Signature:		Date:	8/20/2024
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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. WQ0001712000

SOLICITUD. Structural Metals, Inc., PO Box 911, Seguin, Texas 78156 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0001712000 (EPA I.D. No. TX TX0083178) 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 120,000 galones diario. La planta está ubicada 1 Steel Mill Drive, cerca de la ciudad de Seguin en el Condado de Guadalupe, Texas. La ruta de descarga es del sitio de la planta directamente al Rio Guadalupe River, a bajo del Rio Comal. La TCEQ recibió esta solicitud el 8 de Noviembre, 2024. La solicitud para el permiso está disponible para leerla y copiarla en la Biblioteca Publica de Seguin, Cuarto de Documentos Publicos, 313 West Nolte Street, Seguin, Texas, antes del día de la publicación en el periódico. La solicitud (cualquier actualización y aviso incluido) está disponible electrónicamente en la siguiente página web: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. Este enlace a un mapa electrónico 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=-98.02383,29.579064&level=18>

AVISO ADICIONAL. El Director Ejecutivo de la TCEQ ha determinado que la solicitud es administrativamente completada 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 enviados 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 represente al grupo para recibir correspondencia en el futuro; identificar el nombre y la dirección de un miembro del grupo que sería afectado adversamente por la planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

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

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

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

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

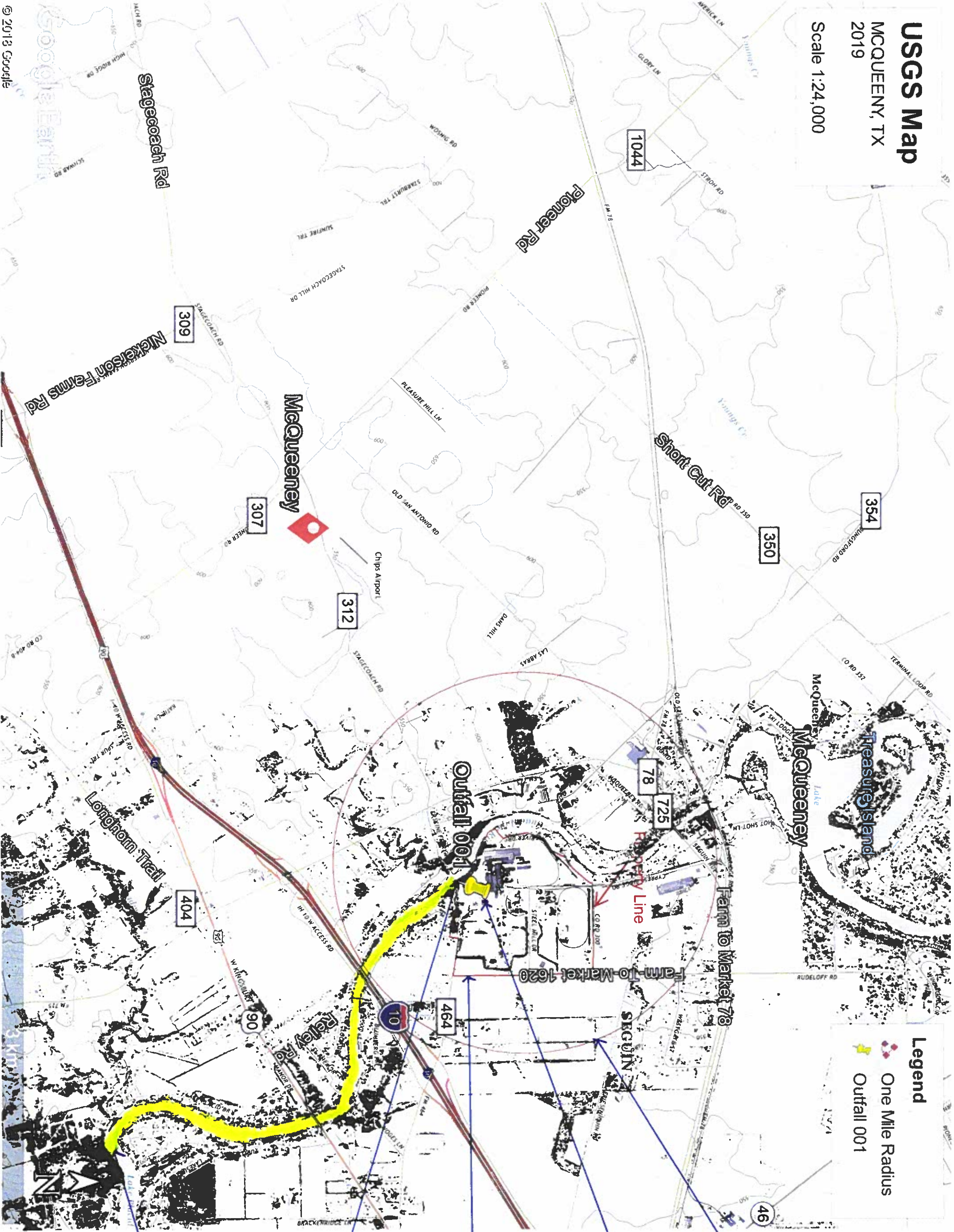
Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: www.tceq.texas.gov.

También se puede obtener información adicional del Structural Metals, Inc., a la dirección indicada arriba o llamando a (Sr.) Mr. Troy Penshorn, Environmental Manager al 830-499-3117.

Fecha de emisión _____

USGS Map
MCQUEENY, TX
2019

Scale 1:24,000



November 11, 2024



Executive Director
Applications Review and processing Team, MC-148
Texas Commission on Environmental Quality
12100 Park 35 Circle
Austin, Texas 78753

Dear TCEQ Personnel,

Please find an industrial wastewater permit renewal enclosed for Structural Metals, Inc. (CN600129001) which has been sent to the TCEQ through certified mail. The permit number is WQ0001712000, and the Regulated Entity Number is RN102413689. We have included the original copy herein with wet signature as well as two copies of the aforementioned. In addition, an electronic copy of the individual wastewater application has been submitted via TCEQ's file transfer protocol (FTP) server to WQDeCopy@tceq.texas.gov.

Please let me know if you have any questions regarding this application as I will serve as the primary point of contact throughout the renewal process.

Sincerely,

A handwritten signature in blue ink, reading "Troy Penshorn", is written over a light blue horizontal line.

Troy Penshorn, M.A., M.S., REP

CMC Steel Texas

1 Steel Mill Drive

Seguin, Texas 78155

830-499-3117

Email: Troy.Penshorn@CMC.com



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the industrial wastewater permit application.

APPLICANT NAME: Structural Metals, Inc.

PERMIT NUMBER (If new, leave blank): WQ00 01712000

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

	Y	N		Y	N
Administrative Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Worksheet 8.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Administrative Report 1.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Worksheet 9.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPIF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Worksheet 10.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Core Data Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Worksheet 11.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Public Involvement Plan Form	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Worksheet 11.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Plain Language Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Worksheet 11.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Technical Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Worksheet 11.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original USGS Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Affected Landowners Map	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Landowner Disk or Labels	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Flow Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 3.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Site Drawing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 3.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Original Photographs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 4.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Design Calculations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 4.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solids Management Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 5.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Water Balance	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 6.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 7.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

For TCEQ Use Only

Segment Number _____ County _____
Expiration Date _____ Region _____
Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION

ADMINISTRATIVE REPORT 1.0

This report is required for all applications for TPDES permits and TLAPs, except applications for oil and gas extraction operations subject to 40 CFR Part 435. Contact the Applications Review and Processing Team at 512-239-4671 with any questions about completing this report.

Applications for oil and gas extraction operations subject to 40 CFR Part 435 must use the Oil and Gas Exploration and Production Administrative Report ([TCEQ Form-20893 and 20893-inst¹](#)).

Item 1. Application Information and Fees (Instructions, Page 26)

- a. Complete each field with the requested information, if applicable.

Applicant Name: Structural Metals, Inc. dba CMC Steel Texas

Permit No.: WQ0001712000

EPA ID No.: TX000083178

Expiration Date: May 14, 2025

- b. Check the box next to the appropriate authorization type.

☒ Industrial Wastewater (wastewater and stormwater)

☐ Industrial Stormwater (stormwater only)

- c. Check the box next to the appropriate facility status.

☒ Active

☐ Inactive

- d. Check the box next to the appropriate permit type.

☒ TPDES Permit

☐ TLAP

☐ TPDES with TLAP component

- e. Check the box next to the appropriate application type.

☐ New

☐ Renewal with changes

☒ Renewal without changes

☐ Major amendment with renewal

☐ Major amendment without renewal

☐ Minor amendment without renewal

☐ Minor modification without renewal

- f. If applying for an amendment or modification, describe the request: Click to enter text.

For TCEQ Use Only

Segment Number _____ County _____

Expiration Date _____ Region _____

Permit Number _____

¹ https://www.tceq.texas.gov/publications/search_forms.html

g. Application Fee

EPA Classification	New	Major Amend. (with or without renewal)	Renewal (with or without changes)	Minor Amend. / Minor Mod. (without renewal)
Minor facility not subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	<input type="checkbox"/> \$350	<input type="checkbox"/> \$350	<input type="checkbox"/> \$315	<input type="checkbox"/> \$150
Minor facility subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	<input type="checkbox"/> \$1,250	<input type="checkbox"/> \$1,250	<input type="checkbox"/> \$1,215	<input type="checkbox"/> \$150
Major facility	N/A ²	<input type="checkbox"/> \$2,050	<input checked="" type="checkbox"/> \$2,015	<input type="checkbox"/> \$450

h. Payment Information

Mailed

Check or money order No.: [Click to enter text.](#)

Check or money order amt.: [Click to enter text.](#)

Named printed on check or money order: Commercial Metals Company

Epay

Voucher number: 718040 and 718041

Copy of voucher attachment: Attachment 1

Item 2. Applicant Information (Instructions, Pages 26)

a. Customer Number, if applicant is an existing customer: CN600129001

Note: Locate the customer number using the [TCEQ's Central Registry Customer Search](#)³.

b. Legal name of the entity (applicant) applying for this permit: Structural Metals, Inc. dba CMC Steel Texas

Note: The owner of the facility must apply for the permit. The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

c. Name and title of the person signing the application. (**Note:** The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix: Mr. Full Name (Last/First Name): VanderWaal/William

Title: Director of Mill Operations Credential: [Click to enter text.](#)

d. Will the applicant have overall financial responsibility for the facility?

² All facilities are designated as minors until formally classified as a major by EPA.

³ <https://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch>

☒ Yes ☐ No

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

Item 3. Co-applicant Information (Instructions, Page 27)

☒ Check this box if there is no co-applicant.; otherwise, complete the below questions.

- a. Legal name of the entity (co-applicant) applying for this permit: Click to enter text!

Note: The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

- b. Customer Number (if applicant is an existing customer): CNClick to enter text!

Note: Locate the customer number using the TCEQ's Central Registry Customer Search.

- c. Name and title of the person signing the application. (Note: The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix: Click to enter text!

Full Name (Last/First Name): Click to enter text!

Title: Click to enter text!

Credential: Click to enter text!

- d. Will the co-applicant have overall financial responsibility for the facility?

☐ Yes ☐ No

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

Item 4. Core Data Form (Instructions, Pages 27)

- a. Complete one Core Data Form (TCEQ Form 10400) for each customer (applicant and co-applicant(s)) and include as an attachment. If the customer type selected on the Core Data Form is Individual, complete Attachment 1 of the Administrative Report. Attachment: Attachment 2

Item 5. Application Contact Information (Instructions, Page 27)

Provide names of two individuals who can be contact for additional information about this application. Indicate if the individual can be contact about administrative or technical information, or both.

- a. ☐ Administrative Contact ☒ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Penshorn/Troy

Title: Environmental Manager Credential: REP

Organization Name: Structural Metals, Inc. dba CMC Steel Texas

Mailing Address: 1 Steel Mill Drive

City/State/Zip: Seguin, TX 78155

Phone No: 830-499-3117

Email: Troy.Penshorn@cmc.com

- b. ☒ Administrative Contact ☐ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Walker/Randall

Title: Division Env. Mgr.

Credential: PE

Organization Name: Structural Metals, Inc. dba CMC Steel Texas

Mailing Address: 1 Steel Mill Drive

City/State/Zip: Seguin, TX 78155

Phone No: 830-305-7932

Email: Randall.Walker@cmc.com

Attachment: Click to enter text!

Item 6. Permit Contact Information (Instructions, Page 28)

Provide two names of individuals that can be contacted throughout the permit term.

a. Prefix: Mr. Full Name (Last/First Name): Penshorn/Troy

Title: Environmental Manager Credential: REP

Organization Name: Structural Metals, Inc. dba CMC Steel Texas

Mailing Address: 1 Steel Mill Drive

City/State/Zip: Seguin, TX 78155

Phone No: 830-499-3117

Email: Troy.Penshorn@cmc.com

b. Prefix: Mr. Full Name (Last/First Name): Walker/Randy

Title: Division Env. Mgr. Credential: P.E.

Organization Name: Structural Metals, Inc. dba CMC Steel Texas

Mailing Address: 1 Steel Mill Drive

City/State/Zip: Seguin, TX 78155

Phone No: 830-305-7932

Email: Randall.Walker@cmc.com

Attachment: Click to enter text!

Item 7. Billing Contact Information (Instructions, Page 28)

The permittee is responsible for paying the annual fee. The annual fee will be assessed for permits **in effect on September 1 of each year**. The TCEQ will send a bill to the address provided in this section. The permittee is responsible for terminating the permit when it is no longer needed (form TCEQ-20029).

Provide the complete mailing address where the annual fee invoice should be mailed and the name and phone number of the permittee's representative responsible for payment of the invoice.

Prefix: Mrs. Full Name (Last/First Name): Valdez/Jeanette

Title: Env. Administrative Asst.

Credential: Click to enter text!

Organization Name: CMC Steel Texas

Mailing Address: 1 Steel Mill Drive

City/State/Zip: Seguin, TX 78155

Phone No: 830-372-8467

Email: Jeanette.Valdez@cmc.com

Item 8. DMR/MER Contact Information (Instructions, Page 28)

Provide the name and mailing address of the person delegated to receive and submit DMRs or MERs. **Note:** DMR data must be submitted through the NetDMR system. An electronic reporting account can be established once the facility has obtained the permit number.

Prefix: Mr. Full Name (Last/First Name): Dixon/Bradley

Title: Environmental Technician

Credential: Click to enter text!

Organization Name: CMC Steel Texas

Mailing Address: 1 Steel Mill Drive

City/State/Zip: Seguin, TX 78155

Phone No: 830-305-3248

Email: Bradley.Dixon@cmc.com

Item 9. Notice Information (Instructions, Pages 28)

a. Individual Publishing the Notices

Prefix: Mr. Full Name (Last/First Name): Penshorn/Troy

Title: Environmental Manager Credential: REP

Organization Name: Structural Metals, Inc. dba CMC Steel Texas

Mailing Address: 1 Steel Mill Drive

City/State/Zip: Seguin, TX 78155

Phone No: 830-499-3117

Email: Troy.Penshorn@cmc.com

b. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package (only for NORI, NAPD will be sent via regular mail)

☒ E-mail: Troy.Penshorn@cmc.com

☐ Fax: Click to enter text.

☒ Regular Mail (USPS)

Mailing Address: 1 Steel Mill Drive

City/State/Zip Code: Seguin, TX 78155

c. Contact in the Notice

Prefix: Mr. Full Name (Last/First Name): Penshorn/Troy

Title: Environmental Manager Credential: REP

Organization Name: Structural Metals, Inc. dba CMC Steel Texas

Phone No: 830-499-3117

Email: Troy.Penshorn@cmc.com

d. Public Viewing Location Information

Note: If the facility or outfall is located in more than one county, provide a public viewing place for each county.

Public building name: Seguin Public Library Location within the building: Public Documents Room

Physical Address of Building: 313 West Nolte Street

City: Seguin County: Guadalupe

e. Bilingual Notice Requirements

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

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

Call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine if an alternative language notice(s) is required.

1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?
☒ Yes ☐ No
If no, publication of an alternative language notice is not required; skip to Item 8 (Regulated Entity and Permitted Site Information.)
2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?
☒ Yes ☐ No
3. Do the students at these schools attend a bilingual education program at another location?
☐ Yes ☒ No
4. Would the school be required to provide a bilingual education program, but the school has waived out of this requirement under 19 TAC §89.1205(g)?
☐ Yes ☒ No ☐ N/A
5. If the answer is yes to question 1, 2, 3, or 4, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish
- f. Plain Language Summary Template - Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment. Attachment: Attachment 3
- g. Complete one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment and include as an attachment. Attachment: Click to enter text!

Item 10. Regulated Entity and Permitted Site Information (Instructions Page 29)
--

- a. TCEQ issued Regulated Entity Number (RN), if available: RN102413689
Note: If your business site is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search the TCEQ's Central Registry to determine the RN or to see if the larger site may already be registered as a Regulated Entity. If the site is found, provide the assigned RN.
- b. Name of project or site (the name known by the community where located): Structural Metals, Inc. dba CMC Steel Texas
- c. Is the location address of the facility in the existing permit the same?
☒ Yes ☐ No ☐ N/A (new permit)
Note: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required.
- d. Owner of treatment facility:
Prefix: Click to enter text! Full Name (Last/First Name): Click to enter text!
or Organization Name: Click to enter text!
Mailing Address: Click to enter text! City/State/Zip: Click to enter text!

Phone No: [Click to enter text.](#) Email: [Click to enter text.](#)

e. Ownership of facility: ☐ Public ☒ Private ☐ Both ☐ Federal

f. Owner of land where treatment facility is or will be: [Click to enter text.](#)

Prefix: [Click to enter text.](#) Full Name (Last/First Name): [Click to enter text.](#)

or Organization Name: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City/State/Zip: [Click to enter text.](#)

Phone No: [Click to enter text.](#) Email: [Click to enter text.](#)

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years (In some cases, a lease may not suffice - see instructions). Attachment: [Click to enter text.](#)

g. Owner of effluent TLAP disposal site (if applicable): [Click to enter text.](#)

Prefix: [Click to enter text.](#) Full Name (Last/First Name): [Click to enter text.](#)

or Organization Name: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City/State/Zip: [Click to enter text.](#)

Phone No: [Click to enter text.](#) Email: [Click to enter text.](#)

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: [Click to enter text.](#)

h. Owner of sewage sludge disposal site (if applicable):

Prefix: [Click to enter text.](#) Full Name (Last/First Name): [Click to enter text.](#)

or Organization Name: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City/State/Zip: [Click to enter text.](#)

Phone No: [Click to enter text.](#) Email: [Click to enter text.](#)

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: [Click to enter text.](#)

Item 11. TD PES Discharge/TLAP Disposal Information (Instructions, Page 31)
--

a. Is the facility located on or does the treated effluent cross Native American Land?

☐ Yes ☒ No

b. Attach an original full size USGS Topographic Map (or an 8.5"×11" reproduced portion for renewal or amendment applications) with all required information. Check the box next to each item below to confirm it has been included on the map.

☒ One-mile radius

☐ Three-miles downstream information

☒ Applicant's property boundaries

☒ Treatment facility boundaries

☒ Labeled point(s) of discharge

☒ Highlighted discharge route(s)

☐ Effluent disposal site boundaries

☐ All wastewater ponds

☐ Sewage sludge disposal site

☐ New and future construction

Attachment: Attachments 4a, 4b, 4c and 4d

- c. Is the location of the sewage sludge disposal site in the existing permit accurate?

☒ Yes ☐ No or New Permit

If no, or a new application, provide an accurate location description: Click to enter text.

- d. Are the point(s) of discharge in the existing permit correct?

☒ Yes ☐ No or New Permit

If no, or a new application, provide an accurate location description: Click to enter text.

- e. Are the discharge route(s) in the existing permit correct?

☒ Yes ☐ No or New Permit

If no, or a new permit, provide an accurate description of the discharge route: Click to enter text.

- f. City nearest the outfall(s): Seguin, Texas

- g. County in which the outfalls(s) is/are located: Guadalupe

- h. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?

☐ Yes ☒ No

If yes, indicate by a check mark if: ☐ Authorization granted ☐ Authorization pending

For new and amendment applications, attach copies of letters that show proof of contact and provide the approval letter upon receipt. Attachment: Click to enter text.

For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: Click to enter text.

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

☐ Yes ☐ No or New Permit ☐ Click to enter text.

If no, or a new application, provide an accurate location description: Click to enter text.

- j. City nearest the disposal site:

- k. County in which the disposal site is located:

- l. For TLAPs, describe how effluent is/will be routed from the treatment facility to the disposal site:

- m. For TLAPs, identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Click to enter text.

Item 12. Miscellaneous Information (Instructions, Page 33)

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

☐ Yes ☒ No

If yes, list each person: [Click to enter text.](#)

- b. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account no.: [Click to enter text.](#)

Total amount due: [Click to enter text.](#)

- c. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Enforcement order no.: [Click to enter text.](#)

Amount due: [Click to enter text.](#)

Item 13. Signature Page (Instructions, Page 33)

Permit No: WQ0001712000

Applicant Name: Structural Metals, Inc. dba CMC Steel Texas

Certification: I, William VanderWaal, certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

Signatory name (typed or printed): William VanderWaal

Signatory title: Director of Mill Operations

Signature: [Handwritten Signature]
(Use blue ink)

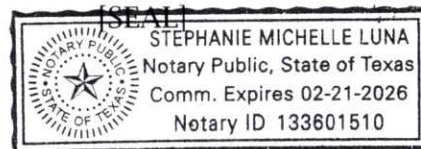
Date: 10-28-2024

Subscribed and Sworn to before me by the said Stephanie Michelle Luna
on this 28th day of October, 2024.

My commission expires on the 21st day of February, 2026.

[Handwritten Signature]
Notary Public

Guadalupe
County, Texas



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

INDUSTRIAL WASTEWATER PERMIT APPLICATION

ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

Item 1. Affected Landowner Information (Instructions, Page 35)

- a. Attach a landowner map or drawing, with scale, as applicable. Check the box next to each item to confirm it has been provided.
- ☐ The applicant's property boundaries.
 - ☐ The facility site boundaries within the applicant's property boundaries.
 - ☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone.
 - ☐ The property boundaries of all landowners surrounding the applicant's property. (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
 - ☐ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream.
 - ☐ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge.
 - ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides.
 - ☐ The boundaries of the effluent disposal site (e.g., irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property.
 - ☐ The property boundaries of all landowners surrounding the applicant's property boundaries where the effluent disposal site is located.
 - ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners within one-quarter mile of the applicant's property boundaries where the sewage sludge land application site is located.
 - ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (e.g., sludge surface disposal site or sludge monofil) is located.

Attachment: [Click to enter text.](#)

- b. Check the box next to the format of the landowners list:
- ☐ Readable/Writeable CD
 - ☐ Four sets of labels

Attachment: [Click to enter text.](#)

- d. Provide the source of the landowners' names and mailing addresses: [Click to enter text.](#)

- e. As required by Texas Water Code § 5.115, is any permanent school fund land affected by this application?

☐ Yes ☐ No

If yes, provide the location and foreseeable impacts and effects this application has on the land(s): [Click to enter text.](#)

Item 2. Original Photographs (Instructions, Page 37)

Provide original ground level photographs. Check the box next to each of the following items to indicate it is included.

- ☐ At least one original photograph of the new or expanded treatment unit location.
- ☐ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
- ☐ At least one photograph of the existing/proposed effluent disposal site.
- ☐ A plot plan or map showing the location and direction of each photograph.

Attachment: [Click to enter text.](#)

INDUSTRIAL WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

This form applies to TPDES permit applications only. Complete and attach the Supplemental Permit information Form (SPIF) (TCEQ Form 20971).

Attachment: Attachment 5

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if mailing the payment. (Instructions, Page 36-37)

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP **Permit No:** WQ0000 [Click to enter text.](#)

1. Check or Money Order Number: [Click to enter text.](#)
2. Check or Money Order Amount: [Click to enter text.](#)
3. Date of Check or Money Order: [Click to enter text.](#)
4. Name on Check or Money Order: [Click to enter text.](#)

5. APPLICATION INFORMATION

Name of Project or Site: [Click to enter text.](#)

Physical Address of Project or Site: [Click to enter text.](#)

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

Attachment: [Click to enter text.](#)

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Item 1. Individual information (Instructions, Page 38)

Complete this attachment if the facility applicant or co-applicant is an individual. Make additional copies of this attachment if both are individuals.

Prefix (Mr., Ms., or Miss): [Click to enter text.](#)

Full legal name (first, middle, and last): [Click to enter text.](#)

Driver's License or State Identification Number: [Click to enter text.](#)

Date of Birth: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone No.: [Click to enter text.](#)

Fax No.: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

CN: [Click to enter text.](#)

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

- ☒ Core Data Form (TCEQ Form No. 10400)
*(Required for all applications types. Must be completed in its entirety and signed.
Note: Form may be signed by applicant representative.)*
- ☒ Correct and Current Industrial Wastewater Permit Application Forms
(TCEQ Form Nos. 10055 and 10411. Version dated 5/10/2019 or later.)
- ☒ Water Quality Permit Payment Submittal Form (Page 14)
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)
- ☒ 7.5 Minute USGS Quadrangle Topographic Map Attached
*(Full-size map if seeking "New" permit.
8 ½ x 11 acceptable for Renewals and Amendments.)*
- ☒ N/A ☐ Current/Non-Expired, Executed Lease Agreement or Easement Attached
- ☒ N/A ☐ Landowners Map
(See instructions for landowner requirements.)

Things to Know:

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

- ☒ N/A ☐ Landowners Cross Reference List
(See instructions for landowner requirements.)
- ☒ N/A ☐ Landowners Labels or CD-RW attached
(See instructions for landowner requirements.)
- ☒ Original signature per 30 TAC § 305.44 – Blue Ink Preferred
*(If signature page is not signed by an elected official or principle executive officer,
a copy of signature authority/delegation letter must be attached.)*
- ☒ Plain Language Summary

Industrial WW Permit Application

Technical Report 1.0



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION

TECHNICAL REPORT 1.0

The following information is **required** for all applications for a TLAP or an individual TPDES discharge permit.

For **additional information** or clarification on the requested information, please refer to the [Instructions for Completing the Industrial Wastewater Permit Application](https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES_industrial_wastewater_steps.html)¹ available on the TCEQ website. Please contact the Industrial Permits Team at 512-239-4671 with any questions about this form.

If more than one outfall is included in the application, provide applicable information for each individual outfall. **If an item does not apply to the facility, enter N/A** to indicate that the item has been considered. Include separate reports or additional sheets as **clearly cross-referenced attachments** and provide the attachment number in the space provided for the item the attachment addresses.

NOTE: This application is for an industrial wastewater permit only. Additional authorizations from the TCEQ Waste Permits Division or the TCEQ Air Permits Division may be needed.

Item 1. Facility/Site Information (Instructions, Page 39)

- a. Describe the general nature of the business and type(s) of industrial and commercial activities. Include all applicable SIC codes (up to 4).

Steel Manufacturing with scrap metal shredding; SIC Codes are 3312, 5093, 3449.

- b. Describe all wastewater-generating processes at the facility.

Industrial wastewaters generated onsite include contact, non-contact cooling water, and cooling tower blowdown as generated through the steel manufacturing process. Domestic wastewater is treated in a package plant prior to discharge to the Surge Pond. Water from the Surge Pond is used for cooling purposes, reused for landscape irrigation (authorized by 210E000001), or discharged via Outfall 001. Discharges from Outfall 001 are rare and occur only in months with heavy rainfall and we are unable to use all of the treated effluent. SMI has not discharged since 2002 however. Please see Attachment 6 - Process Description for a detailed description of the wastewater generating processes described generally herein.

¹

https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES_industrial_wastewater_steps.html

- c. Provide a list of raw materials, major intermediates, and final products handled at the facility.

Materials List

Raw Materials	Intermediate Products	Final Products
Recycled Scrap Metal		Steel Billets
Iron		Rebar, Angles, flats Rounds, Fence Post Stock, Jail Bar, Sucker Bar
Lime		Rail Anchor
Coal		Steel Slag
Coke/Carbon		Mill Scale
Natural Gas		
Steel Alloys		

Attachment: [Click to enter text.](#)

- d. Attach a facility map (drawn to scale) with the following information:

- Production areas, maintenance areas, materials-handling areas, waste-disposal areas, and water intake structures.
- The location of each unit of the WWTP including the location of wastewater collection sumps, impoundments, outfalls, and sampling points, if significantly different from outfall locations.

Attachment: [Click to enter text.](#)

- e. Is this a new permit application for an existing facility?

☐ Yes ☒ No

If yes, provide background discussion: [Click to enter text.](#)

- f. Is/will the treatment facility/disposal site be located above the 100-year frequency flood level.

☒ Yes ☐ No

List source(s) used to determine 100-year frequency flood plain: [FEMA Flood Plain Maps-Guadalupe County.](#)

If **no**, provide the elevation of the 100-year frequency flood plain and describe what protective measures are used/proposed to prevent flooding (including tail water and rainfall run-on controls) of the treatment facility and disposal area: [Click to enter text.](#)

Attachment: [Click to enter text.](#)

- g. For **new or major amendment** permit applications, will any construction operations result in a discharge of fill material into a water in the state?

☐ Yes ☐ No ☒ N/A (renewal only)

- h. If **yes** to Item 1.g, has the applicant applied for a USACE CWA Chapter 404 Dredge and Fill permit?

☐ Yes ☐ No

If **yes**, provide the permit number: [Click to enter text](#)

If **no**, provide an approximate date of application submittal to the USACE: [Click to enter text](#)

Item 2. Treatment System (Instructions, Page 40)

- a. List any physical, chemical, or biological treatment process(es) used/proposed to treat wastewater at this facility. Include a description of each treatment process, starting with initial treatment and finishing with the outfall/point of disposal.

[See Attachment 6.](#)

- b. Attach a flow schematic **with a water balance** showing all sources of water and wastewater flow into the facility, wastewater flow into and from each treatment unit, and wastewater flow to each outfall/point of disposal.

Attachment: [Attachment 7](#)

Item 3. Impoundments (Instructions, Page 40)

Does the facility use or plan to use any wastewater impoundments (e.g., lagoons or ponds?)

☒ Yes ☐ No

If **no**, proceed to Item 4. If **yes**, complete **Item 3.a** for **existing** impoundments and **Items 3.a - 3.e** for **new or proposed** impoundments. **NOTE:** See instructions, Pages 40-42, for additional information on the attachments required by Items 3.a - 3.e.

- a. Complete the table with the following information for each existing, new, or proposed impoundment. Attach additional copies of the Impoundment Information table, if needed.

Use Designation: Indicate the use designation for each impoundment as Treatment (T), Disposal (D), Containment (C), or Evaporation (E).

Associated Outfall Number: Provide an outfall number if a discharge occurs or will occur.

Liner Type: Indicate the liner type as Compacted clay liner (C), In-situ clay liner (I), Synthetic/plastic/rubber liner (S), or Alternate liner (A). **NOTE:** See instructions for further detail on liner specifications. If an alternate liner (A) is selected, include an attachment that provides a description of the alternate liner and any additional technical information necessary for an evaluation.

Leak Detection System: If any leak detection systems are in place/planned, enter Y for yes. Otherwise, enter N for no.

Groundwater Monitoring Wells and Data: If groundwater monitoring wells are in place/planned, enter Y for yes. Otherwise, enter N for no. Attach any existing groundwater monitoring data.

Dimensions: Provide the dimensions, freeboard, surface area, storage capacity of the impoundments, and the maximum depth (not including freeboard). For impoundments with irregular shapes, submit surface area instead of length and width.

Compliance with 40 CFR Part 257, Subpart D: If the impoundment is required to be in compliance with 40 CFR Part 257, Subpart D, enter Y for yes. Otherwise, enter N for no.

Date of Construction: Enter the date construction of the impoundment commenced (mm/dd/yy).

Impoundment Information

Parameter	Pond #	Pond #	Pond #	Pond #
Use Designation: (T) (D) (C) or (E)	C			
Associated Outfall Number	001			
Liner Type (C) (I) (S) or (A)	S			
Alt. Liner Attachment Reference				
Leak Detection System, Y/N	Y			
Groundwater Monitoring Wells, Y/N	N			
Groundwater Monitoring Data Attachment	N			
Pond Bottom Located Above The Seasonal High-Water Table, Y/N	Y			
Length (ft)	264			
Width (ft)	86			
Max Depth From Water Surface (ft), Not Including Freeboard	7			
Freeboard (ft)	2			
Surface Area (acres)	0.52			
Storage Capacity (gallons)	668,000			

Parameter	Pond #	Pond #	Pond #	Pond #
40 CFR Part 257, Subpart D, Y/N	N			
Date of Construction	11/08/79			

Attachment: [Click to enter text.](#)

The following information (Items 3.b – 3.e) is required only for **new or proposed** impoundments.

- b. For new or proposed impoundments, attach any available information on the following items. If attached, check **yes** in the appropriate box. Otherwise, check **no** or **not yet designed**.

1. Liner data

☐ Yes ☐ No ☐ Not yet designed

2. Leak detection system or groundwater monitoring data

☐ Yes ☐ No ☐ Not yet designed

3. Groundwater impacts

☐ Yes ☐ No ☐ Not yet designed

NOTE: Item b.3 is required if the bottom of the pond is not above the seasonal high-water table in the shallowest water-bearing zone.

Attachment: [Click to enter text.](#)

For TLAP applications: Items 3.c – 3.e are **not required**, continue to Item 4.

- c. Attach a USGS map or a color copy of original quality and scale which accurately locates and identifies all known water supply wells and monitor wells within ½-mile of the impoundments.

Attachment: [Click to enter text.](#)

- d. Attach copies of State Water Well Reports (e.g., driller's logs, completion data, etc.), and data on depths to groundwater for all known water supply wells including a description of how the depths to groundwater were obtained.

Attachment: [Click to enter text.](#)

- e. Attach information pertaining to the groundwater, soils, geology, pond liner, etc. used to assess the potential for migration of wastes from the impoundments or the potential for contamination of groundwater or surface water.

Attachment: [Click to enter text.](#)

Item 4. Outfall/Disposal Method Information (Instructions, Page 42)

Complete the following tables to describe the location and wastewater discharge or disposal operations for each outfall for discharge, and for each point of disposal for TLAP operations.

If there are more outfalls/points of disposal at the facility than the spaces provided, copies of pages 6 and/or numbered accordingly (i.e., page 6a, 6b, etc.) may be used to provide information on the additional outfalls.

For TLAP applications: Indicate the disposal method and each individual irrigation area I, evaporation pond E, or subsurface drainage system S by providing the appropriate letter designation for the disposal method followed by a numerical designation for each disposal area in the space provided for **Outfall** number (e.g. E1 for evaporation pond 1, I2 for irrigation area No. 2, etc.).

Outfall Longitude and Latitude

Outfall No.	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
001	29 34' 27"	98 01' 55"

Outfall Location Description

Outfall No.	Location Description
001	Wastewater Outfall in the river

Description of Sampling Point(s) (if different from Outfall location)

Outfall No.	Description of sampling point

Outfall Flow Information - Permitted and Proposed

Outfall No.	Permitted Daily Avg Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Avg Flow (MGD)	Proposed Daily Max Flow (MGD)	Anticipated Discharge Date (mm/dd/yy)
001	0.12	0.18	0.12	0.18	

Outfall Discharge - Method and Measurement

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
001	Y	N	Totalizer

Outfall Discharge - Flow Characteristics

Outfall No.	Intermittent Discharge? Y/N	Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)
001	Y	N	N			

Outfall Wastestream Contributions

Outfall No. [Click to enter text.](#)

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Domestic Wastewater	0.015	12
Process Wastewater	0.105	88
Monitoring Well Purge Water	0.0005	0.001

Outfall No. [Click to enter text.](#)

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Outfall No. [Click to enter text.](#)

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Attachment: [Click to enter text.](#)

Item 5. Blowdown and Once-Through Cooling Water Discharges (Instructions, Page 43)

a. Indicate if the facility currently or proposes to:

- ☒ Yes ☐ No Use cooling towers that discharge blowdown or other wastestreams
☐ Yes ☒ No Use boilers that discharge blowdown or other wastestreams
☐ Yes ☒ No Discharge once-through cooling water

NOTE: If the facility uses or plans to use cooling towers or once-through cooling water, Item 12 is required.

b. If **yes** to any of the above, attach an SDS with the following information for each chemical additive.

- Manufacturers Product Identification Number
- Product use (e.g., biocide, fungicide, corrosion inhibitor, etc.)
- Chemical composition including CASRN for each ingredient
- Classify product as non-persistent, persistent, or bioaccumulative
- Product or active ingredient half-life
- Frequency of product use (e.g., 2 hours/day once every two weeks)
- Product toxicity data specific to fish and aquatic invertebrate organisms
- Concentration of whole product or active ingredient, as appropriate, in wastestream.

In addition to each SDS, attach a summary of the above information for each specific wastestream and the associated chemical additives. Specify which outfalls are affected.

Attachment: [Attachments 8 and 8a-8j](#)

c. Cooling Towers and Boilers

If the facility currently or proposes to use cooling towers or boilers that discharge blowdown or other wastestreams to the outfall(s), complete the following table.

Cooling Towers and Boilers

Type of Unit	Number of Units	Daily Avg Blowdown (gallons/day)	Daily Max Blowdown (gallons/day)
Cooling Towers	10	252,000	275,000

Type of Unit	Number of Units	Daily Avg Blowdown (gallons/day)	Daily Max Blowdown (gallons/day)
Boilers			

Item 6. Stormwater Management (Instructions, Page 44)

Will any existing/proposed outfalls discharge stormwater associated with industrial activities, as defined at 40 CFR § 122.26(b)(14), commingled with any other wastestream?

☐ Yes ☒ No

If **yes**, briefly describe the industrial processes and activities that occur outdoors or in a manner which may result in exposure of the activities or materials to stormwater: [Click to enter text.](#)

Item 7. Domestic Sewage, Sewage Sludge, and Septage Management and Disposal (Instructions, Page 44)

Domestic Sewage - Waste and wastewater from humans or household operations that is discharged to a wastewater collection system or otherwise enters a treatment works.

a. Check the box next to the appropriate method of domestic sewage and domestic sewage sludge treatment or disposal. Complete Worksheet 5.0 or Item 7.b if directed to do so.

☐ Domestic sewage is routed (i.e., connected to or transported to) to a WWTP permitted to receive domestic sewage for treatment, disposal, or both. Complete Item 7.b.

☐ Domestic sewage disposed of by an on-site septic tank and drainfield system. Complete Item 7.b.

☐ Domestic and industrial treatment sludge ARE commingled prior to use or disposal.

☒ Industrial wastewater and domestic sewage are treated separately, and the respective sludge IS NOT commingled prior to sludge use or disposal. Complete Worksheet 5.0.

☐ Facility is a POTW. Complete Worksheet 5.0.

☐ Domestic sewage is not generated on-site.

☐ Other (e.g., portable toilets), specify and Complete Item 7.b: [Click to enter text.](#)

b. Provide the name and TCEQ, NPDES, or TPDES Permit No. of the waste-disposal facility which receives the domestic sewage/septage. If hauled by motorized vehicle, provide the name and TCEQ Registration No. of the hauler.

Domestic Sewage Plant/Hauler Name

Plant/Hauler Name	Permit/Registration No.
SOS Liquid Haulers (Hauler)	22085
City of La Coste (Plant)	0107743

Item 8. Improvements or Compliance/Enforcement Requirements (Instructions, Page 45)

- a. Is the permittee currently required to meet any implementation schedule for compliance or enforcement?
☐ Yes ☒ No
- b. Has the permittee completed or planned for any improvements or construction projects?
☐ Yes ☒ No
- c. If **yes** to either 8.a or 8.b, provide a brief summary of the requirements and a status update: [Click to enter text.](#)

Item 9. Toxicity Testing (Instructions, Page 45)

Have any biological tests for acute or chronic toxicity been made on any of the discharges or on a receiving water in relation to the discharge within the last three years?

☐ Yes ☒ No

If **yes**, identify the tests and describe their purposes: [Click to enter text.](#)

Additionally, attach a copy of all tests performed which **have not** been submitted to the TCEQ or EPA. Attachment: [Click to enter text.](#)

Item 10. Off-Site/Third Party Wastes (Instructions, Page 45)

- a. Does or will the facility receive wastes from off-site sources for treatment at the facility, disposal on-site via land application, or discharge via a permitted outfall?

☐ Yes ☒ No

If **yes**, provide responses to Items 10.b through 10.d below.

If **no**, proceed to Item 11.

- b. Attach the following information to the application:

- List of wastes received (including volumes, characterization, and capability with on-site wastes).
- Identify the sources of wastes received (including the legal name and addresses of the generators).
- Description of the relationship of waste source(s) with the facility's activities.

Attachment: [Click to enter text.](#)

- c. Is or will wastewater from another TCEQ, NPDES, or TPDES permitted facility commingled with this facility's wastewater after final treatment and prior to discharge via the final outfall/point of disposal?

☐ Yes ☐ No

If **yes**, provide the name, address, and TCEQ, NPDES, or TPDES permit number of the contributing facility and a copy of any agreements or contracts relating to this activity.

Attachment: [Click to enter text.](#)

- d. Is this facility a POTW that accepts/will accept process wastewater from any SIU and has/is required to have an approved pretreatment program under the NPDES/TPDES program?

☐ Yes ☐ No

If yes, Worksheet 6.0 of this application is required.

Item 11. Radioactive Materials (Instructions, Page 46)

- a. Are/will radioactive materials be mined, used, stored, or processed at this facility?

☐ Yes ☒ No

If yes, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L.

Radioactive Materials Mined, Used, Stored, or Processed

Radioactive Material Name	Concentration (pCi/L)

- b. Does the applicant or anyone at the facility have any knowledge or reason to believe that radioactive materials may be present in the discharge, including naturally occurring radioactive materials in the source waters or on the facility property?

☐ Yes ☒ No

If yes, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L. Do not include information provided in response to Item 11.a.

Radioactive Materials Present in the Discharge

Radioactive Material Name	Concentration (pCi/L)

Item 12. Cooling Water (Instructions, Page 46)

- a. Does the facility use or propose to use water for cooling purposes?

☒ Yes ☐ No

If no, stop here. If yes, complete Items 12.b thru 12.f.

- b. Cooling water is/will be obtained from a groundwater source (e.g., on-site well).

☐ Yes ☒ No

If **yes**, stop here. If **no**, continue.

c. Cooling Water Supplier

1. Provide the name of the owner(s) and operator(s) for the CWIS that supplies or will supply water for cooling purposes to the facility.

Cooling Water Intake Structure(s) Owner(s) and Operator(s)

CWIS ID	Unknown			
Owner	SMI			
Operator	SMI			

2. Cooling water is/will be obtained from a Public Water Supplier (PWS)

☒ Yes ☐ No

If **no**, continue. If **yes**, provide the PWS Registration No. and stop here: PWS No. TX0460239

3. Cooling water is/will be obtained from a reclaimed water source?

☐ Yes ☒ No

If **no**, continue. If **yes**, provide the Reuse Authorization No. and stop here: Click to enter text.

4. Cooling water is/will be obtained from an Independent Supplier

☐ Yes ☒ No

If **no**, proceed to Item 12.d. If **yes**, provide the actual intake flow of the Independent Supplier's CWIS that is/will be used to provide water for cooling purposes and proceed: Click to enter text.

d. 316(b) General Criteria

1. The CWIS(s) used to provide water for cooling purposes to the facility has or will have a cumulative design intake flow of 2 MGD or greater.

☐ Yes ☒ No

2. At least 25% of the total water withdrawn by the CWIS is/will be used at the facility exclusively for cooling purposes on an annual average basis.

☒ Yes ☐ No

3. The CWIS(s) withdraw(s)/propose(s) to withdraw water for cooling purposes from surface waters that meet the definition of Waters of the United States in 40 CFR § 122.2.

☒ Yes ☐ No

If **no**, provide an explanation of how the waterbody does not meet the definition of Waters of the United States in 40 CFR § 122.2: Click to enter text.

If **yes** to all three questions in Item 12.d, the facility **meets** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA. Proceed to **Item 12.f.**

If **no** to any of the questions in Item 12.d, the facility **does not meet** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA; however, a determination is required based upon BPJ. Proceed to **Item 12.e**.

- e. The facility does not meet the minimum requirements to be subject to the fill requirements of Section 316(b) **and uses/proposes to use cooling towers**.

☒ Yes ☐ No

If **yes**, stop here. If **no**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ.

- f. Oil and Gas Exploration and Production

1. The facility is subject to requirements at 40 CFR Part 435, Subparts A or D.

☐ Yes ☐ No

If **yes**, continue. If **no**, skip to Item 12.g.

2. The facility is an existing facility as defined at 40 CFR § 125.92(k) or a new unit at an existing facility as defined at 40 CFR § 125.92(u).

☐ Yes ☐ No

If **yes**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ. If **no**, skip to Item 12.g.3.

- g. Compliance Phase and Track Selection

1. Phase I – New facility subject to 40 CFR Part 125, Subpart I

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection, attach the requested information, and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

☐ Track I – AIF greater than 2 MGD, but less than 10 MGD

- Attach information required by 40 CFR §§ 125.86(b)(2)-(4).

☐ Track I – AIF greater than 10 MGD

- Attach information required by 40 CFR § 125.86(b).

☐ Track II

- Attach information required by 40 CFR § 125.86(c).

Attachment: [Click to enter text!](#)

2. Phase II – Existing facility subject to 40 CFR Part 125, Subpart J

☐ Yes ☐ No

If **yes**, complete Worksheets 11.0 through 11.3, as applicable.

3. Phase III – New facility subject to 40 CFR Part 125, Subpart N

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection and provide the requested information.

☐ Track I – Fixed facility

- Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

☐ Track I – Not a fixed facility

- Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Item 2 (except CWIS latitude/longitude under Item 2.a).

☐ Track II – Fixed facility

- Attach information required by 40 CFR § 125.136(c) and complete Worksheet 11.0, Items 2 and 3.

Attachment: [Click to enter text.](#)

Item 13. Permit Change Requests (Instructions, Page 48)

This item is only applicable to existing permitted facilities.

a. Is the facility requesting a **major amendment** of an existing permit?

☐ Yes ☒ No

If **yes**, list each request individually and provide the following information: 1) detailed information regarding the scope of each request and 2) a justification for each request. Attach any supplemental information or additional data to support each request.

[Click to enter text.](#)

b. Is the facility requesting any **minor amendments** to the permit?

☐ Yes ☒ No

If **yes**, list and describe each change individually.

[Click to enter text.](#)

c. Is the facility requesting any **minor modifications** to the permit?

☐ Yes ☒ No

If **yes**, list and describe each change individually.

Click to enter text.

Item 14. Laboratory Accreditation (Instructions, Page 49)

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:

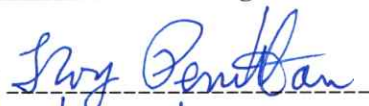
I certify that all laboratory tests submitted with this application meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*.

Printed Name: Troy Penshorn

Title: Environmental Manager

Signature: _____

Date: _____



11/06/2024

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 1.0: EPA CATEGORICAL EFFLUENT GUIDELINES

This worksheet is **required** for all applications for TPDES permits for discharges of wastewaters subject to EPA categorical effluent limitation guidelines (ELGs).

Item 1. Categorical Industries (Instructions, Page 53)

Is this facility subject to any 40 CFR categorical ELGs outlined on page 53 of the instructions?

☐ Yes ☐ No

If **no**, this worksheet is not required. If **yes**, provide the appropriate information below.

40 CFR Effluent Guideline

Industry	40 CFR Part
Iron and Steel Manufacturing	420 D
Continuous Casting	420 F
Hot Forming	420 G

Item 2. Production/Process Data (Instructions, Page 54)

NOTE: For all TPDES permit applications requesting individual permit coverage for discharges of oil and gas exploration and production wastewater (discharges into or adjacent to water in the state, falling under the Oil and Gas Extraction Effluent Guidelines – 40 CFR Part 435), see Worksheet 12.0, Item 2 instead.

a. Production Data

Provide appropriate data for effluent guidelines with production-based effluent limitations.

Production Data

Subcategory	Actual Quantity/Day	Design Quantity/Day	Units
420 D	3600	3600	Tons
420 F	3600	3600	Tons
420 G	3600	3600	Tons

b. Organic Chemicals, Plastics, and Synthetic Fibers Manufacturing Data (40 CFR Part 414)

Provide each applicable subpart and the percent of total production. Provide data for metal-bearing and cyanide-bearing wastestreams, as required by 40 CFR Part 414, Appendices A and B.

Percentage of Total Production

Subcategory	Percent of Total Production	Appendix A and B - Metals	Appendix A - Cyanide

c. Refineries (40 CFR Part 419)

Provide the applicable subcategory and a brief justification.

[Click to enter text.](#)

Item 3. Process/Non-Process Wastewater Flows (Instructions, Page 54)

Provide a breakdown of wastewater flow(s) generated by the facility, including both process and non-process wastewater flow(s). Specify which wastewater flows are to be authorized for discharge under this permit and the disposal practices for wastewater flows, excluding domestic, which are not to be authorized for discharge under this permit.

Domestic wastewater (15,000 GPD)
Contact cooling water from Caster Mold System – variable
Non-contact cooling water and cooling tower blowdown from Caster Mold System – variable
Contact cooling water from Mill Basin – variable
Non-contact cooling water and cooling tower blowdown from Mill Basin – variable
Non-contact cooling water and cooling tower blowdown from Oxygen Plant – variable

Note: blowdown events are episodic and variable in regards to volume, however, 10 cooling towers onsite comprise the largest fraction of wastewater generated with a daily maximum blowdown of 275,000 GPD.

Item 4. New Source Determination (Instructions, Page 54)

Provide a list of all wastewater-generating processes subject to EPA categorical ELGs, identify the appropriate guideline Part and Subpart, and provide the date the process/construction commenced.

Wastewater Generating Processes Subject to Effluent Guidelines

Process	EPA Guideline Part	EPA Guideline Subpart	Date Process/ Construction Commenced
Steelmaking	420	D	1947
Continuous Casting	420	F	1947
Hot Forming	420	G	1947

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: POLLUTANT ANALYSIS

Worksheet 2.0 is **required** for all applications submitted for a TPDES permit. Worksheet 2.0 is not required for applications for a permit to dispose of all wastewater by land disposal or for discharges solely of stormwater associated with industrial activities.

Item 1. General Testing Requirements (Instructions, Page 55)

- Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): 08/13/24 – 09/03/24
- ☒ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm.
Attachment: Attachment 9 (lab) and Attachments 10a-10h (analytics)

Item 2. Specific Testing Requirements (Instructions, Page 56)

Attach correspondence from TCEQ approving submittal of less than the required number of samples, if applicable. **Attachment:** Click to enter text.

TABLE 1 and TABLE 2 (Instructions, Page 58)

Completion of Tables 1 and 2 is required for all external outfalls for all TPDES permit applications.

Table 1 for Outfall No.: 001

Samples are (check one): ☐ Composite ☒ Grab

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)	<4	<4	6	4
CBOD (5-day)	<4	<4	6	<4
Chemical oxygen demand	<20	<20	53	35
Total organic carbon	5.48	7.75	5	9.61
Dissolved oxygen	5.2	5.3	5.1	5.2
Ammonia nitrogen	<0.1	<0.1	<0.1	<0.1
Total suspended solids	10	13	19	22
Nitrate nitrogen	6.1	5.2	4.2	5.0
Total organic nitrogen	3	4	5	3
Total phosphorus	0.1	0.12	0.31	0.13
Oil and grease	<5.0	<5.0	<5.0	5.4
Total residual chlorine	2.2	0.79	0.97	1.47

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
Total dissolved solids	1,212	1,626	1,720	1,522
Sulfate	446	643	629	594
Chloride	202	269	296	216
Fluoride	0.74	0.94	1.60	0.97
Total alkalinity (mg/L as CaCO3)	-	-	-	-
Temperature (°F)	87.08	83.19	72.5	-
pH (standard units)	7.8	7.4	7.3	7.2

Table 2 for Outfall No.: **001**

Samples are (check one): ☐ Composite ☒ Grab

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total	220.0	468.0	88.0	530.0	2.5
Antimony, total	<10.0	15.0	<10	<10	5
Arsenic, total	2.0	2.80	2.80	4.0	0.5
Barium, total	73.0	69.0	20.0	90.0	3
Beryllium, total	<0.5	<0.5	<0.5	<0.5	0.5
Cadmium, total	<1.0	<1.0	<1.0	<1.0	1
Chromium, total	10.0	11.0	9.0	5.0	3
Chromium, hexavalent	5.0	9.0	9.0	3.0	3
Chromium, trivalent	5.0	2.0	ND	2.0	N/A
Copper, total	42.0	60.0	11.0	62.0	2
Cyanide, available	<10.0	<10.0	<10.0	<10.0	2/10
Lead, total	2.3	3.1	4.1	4.3	0.5
Mercury, total	<0.005	<0.005	0.015	0.014	0.005/0.0005
Nickel, total	20.0	26.0	6.0	22.0	2
Selenium, total	<5.0	<5.0	<5.0	<5.0	5
Silver, total	<0.5	<0.5	<0.5	<0.5	0.5
Thallium, total	<0.5	<0.5	<0.5	<0.5	0.5
Zinc, total	56.0	34.0	11.0	41.0	5.0

TABLE 3 (Instructions, Page 58)

Completion of Table 3 is required for all external outfalls which discharge process wastewater.

Partial completion of Table 3 is required for all external outfalls which discharge non-process wastewater and stormwater associated with industrial activities commingled with other wastestreams (see instructions for additional guidance).

Table 3 for Outfall No.: 001

Samples are (check one): ☐ Composite ☒ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Acrylonitrile	ND	ND	ND	ND	50
Anthracene	ND	ND	ND	ND	10
Benzene	ND	ND	ND	ND	10
Benzidine	ND	ND	ND	ND	50
Benzo(a)anthracene	ND	ND	ND	ND	5
Benzo(a)pyrene	ND	ND	ND	ND	5
Bis(2-chloroethyl)ether	ND	ND	ND	ND	10
Bis(2-ethylhexyl)phthalate	ND	ND	ND	ND	10
Bromodichloromethane [Dichlorobromomethane]	26.0	81.3	66.5	72.8	10
Bromoform	139.0	25.0	239.0	83.9	10
Carbon tetrachloride	ND	ND	ND	ND	2
Chlorobenzene	ND	ND	ND	ND	10
Chlorodibromomethane [Dibromochloromethane]	94.9	83.6	199.0	115.0	10
Chloroform	8.38	68.1	20.4	40.2	10
Chrysene	ND	ND	ND	ND	5
m-Cresol [3-Methylphenol]	ND	ND	ND	ND	10
o-Cresol [2-Methylphenol]	ND	ND	ND	ND	10
p-Cresol [4-Methylphenol]	ND	ND	ND	ND	10
1,2-Dibromoethane	ND	ND	ND	ND	10
m-Dichlorobenzene [1,3-Dichlorobenzene]	ND	ND	ND	ND	10
o-Dichlorobenzene [1,2-Dichlorobenzene]	ND	ND	ND	ND	10
p-Dichlorobenzene [1,4-Dichlorobenzene]	ND	ND	ND	ND	10
3,3'-Dichlorobenzidine	ND	ND	ND	ND	5
1,2-Dichloroethane	ND	ND	ND	ND	10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
1,1-Dichloroethene [1,1-Dichloroethylene]	ND	ND	ND	ND	10
Dichloromethane [Methylene chloride]	ND	ND	ND	ND	20
1,2-Dichloropropane	ND	ND	ND	ND	10
1,3-Dichloropropene [1,3-Dichloropropylene]	ND	ND	ND	ND	10
2,4-Dimethylphenol	ND	ND	ND	ND	10
Di-n-Butyl phthalate	ND	ND	ND	ND	10
Ethylbenzene	ND	ND	ND	ND	10
Fluoride	ND	ND	ND	ND	500
Hexachlorobenzene	ND	ND	ND	ND	5
Hexachlorobutadiene	ND	ND	ND	ND	10
Hexachlorocyclopentadiene	ND	ND	ND	ND	10
Hexachloroethane	ND	ND	ND	ND	20
Methyl ethyl ketone	ND	ND	ND	ND	50
Nitrobenzene	ND	ND	ND	ND	10
N-Nitrosodiethylamine	ND	ND	ND	ND	20
N-Nitroso-di-n-butylamine	ND	ND	ND	ND	20
Nonylphenol	ND	ND	ND	ND	333
Pentachlorobenzene	ND	ND	ND	ND	20
Pentachlorophenol	ND	ND	ND	ND	5
Phenanthrene	ND	ND	ND	ND	10
Polychlorinated biphenyls (PCBs) (**)	ND	ND	ND	ND	0.2
Pyridine	ND	ND	ND	ND	20
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	20
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	10
Tetrachloroethene [Tetrachloroethylene]	ND	ND	ND	ND	10
Toluene	ND	ND	ND	ND	10
1,1,1-Trichloroethane	ND	ND	ND	ND	10
1,1,2-Trichloroethane	ND	ND	ND	ND	10
Trichloroethene [Trichloroethylene]	ND	ND	ND	ND	10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
2,4,5-Trichlorophenol	ND	ND	ND		50
TTHM (Total trihalomethanes)	268.0	258.0	525.0	312.0	10
Vinyl chloride	ND	ND	ND		10

(*) Indicate units if different from µg/L.

(**) Total of detects for PCB-1242, PCB-1254, PCB-1221, PCB-1232, PCB-1248, PCB-1260, and PCB-1016. If all non-detects, enter the highest non-detect preceded by a "<".

TABLE 4 (Instructions, Pages 58-59)

Partial completion of Table 4 is **required** for each **external outfall** based on the conditions below.

a. Tributyltin

Is this facility an industrial/commercial facility which currently or proposes to directly dispose of wastewater from the types of operations listed below or a domestic facility which currently or proposes to receive wastewater from the types of industrial/commercial operations listed below?

☐ Yes ☒ No

If **yes**, check the box next to each of the following criteria which apply and provide the appropriate testing results in Table 4 below (check all that apply).

- ☐ Manufacturers and formulators of tributyltin or related compounds.
- ☐ Painting of ships, boats and marine structures.
- ☐ Ship and boat building and repairing.
- ☐ Ship and boat cleaning, salvage, wrecking and scaling.
- ☐ Operation and maintenance of marine cargo handling facilities and marinas.
- ☐ Facilities engaged in wood preserving.
- ☐ Any other industrial/commercial facility for which tributyltin is known to be present, or for which there is any reason to believe that tributyltin may be present in the effluent.

b. Enterococci (discharge to saltwater)

This facility discharges/proposes to discharge directly into saltwater receiving waters **and** Enterococci bacteria are expected to be present in the discharge based on facility processes.

☐ Yes ☒ No

Domestic wastewater is/will be discharged.

☐ Yes ☒ No

If **yes** to **either** question, provide the appropriate testing results in Table 4 below.

c. **E. coli (discharge to freshwater)**

This facility discharges/proposes to discharge directly into freshwater receiving waters and *E. coli* bacteria are expected to be present in the discharge based on facility processes.

☒ Yes ☐ No

Domestic wastewater is/will be discharged.

☒ Yes ☐ No

If **yes to either** question, provide the appropriate testing results in Table 4 below.

Table 4 for Outfall No.: **001 (Fecal reported in lieu of E. coli)**

Samples are (check one):

☐ Composite

☒ Grab

Pollutant	Sample 1	Sample 2	Sample 3	Sample 4	MAL
Tributyltin (µg/L)					0.010
Enterococci (cfu or MPN/100 mL)					N/A
<i>E. coli</i> (cfu or MPN/100 mL)	0 CFU/100ml	0 CFU/100ml	0 CFU/100ml	0 CFU/100ml	N/A

TABLE 5 (Instructions, Page 59)

Completion of Table 5 is required for all **external outfalls** which discharge process wastewater from a facility which manufactures or formulates pesticides or herbicides or other wastewaters which may contain pesticides or herbicides.

If this facility does not/will not manufacture or formulate pesticides or herbicides and does not/will not discharge other wastewaters that may contain pesticides or herbicides, check N/A.

☒ N/A

Table 5 for Outfall No.: [Click to enter text.](#)

Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Aldrin					0.01
Carbaryl					5
Chlordane					0.2
Chlorpyrifos					0.05
4,4'-DDD					0.1
4,4'-DDE					0.1
4,4'-DDT					0.02
2,4-D					0.7
Danitol [Fenpropathrin]					—
Demeton					0.20
Diazinon					0.5/0.1
Dicofol [Kelthane]					1
Dieldrin					0.02

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Diuron					0.090
Endosulfan I (<i>alpha</i>)					0.01
Endosulfan II (<i>beta</i>)					0.02
Endosulfan sulfate					0.1
Endrin					0.02
Guthion [Azinphos methyl]					0.1
Heptachlor					0.01
Heptachlor epoxide					0.01
Hexachlorocyclohexane (<i>alpha</i>)					0.05
Hexachlorocyclohexane (<i>beta</i>)					0.05
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]					0.05
Hexachlorophene					10
Malathion					0.1
Methoxychlor					2.0
Mirex					0.02
Parathion (ethyl)					0.1
Toxaphene					0.3
2,4,5-TP [Silvex]					0.3

* Indicate units if different from µg/L.

TABLE 6 (Instructions, Page 59)

Completion of Table 6 is required for all external outfalls.

Table 6 for Outfall No.: 001

Samples are (check one): ☐ Composite ☒ Grab

Pollutants	Believed Present	Believed Absent	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)	MAL (µg/L)*
Bromide	<input type="checkbox"/>	<input checked="" type="checkbox"/>					400
Color (PCU)	<input type="checkbox"/>	<input checked="" type="checkbox"/>					—
Nitrate-Nitrite (as N)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6.1	5.2	4.2	5.0	—
Sulfide (as S)	<input type="checkbox"/>	<input checked="" type="checkbox"/>					—
Sulfite (as SO ₃)	<input type="checkbox"/>	<input checked="" type="checkbox"/>					—
Surfactants	<input type="checkbox"/>	<input checked="" type="checkbox"/>					—
Boron, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>					20
Cobalt, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>					0.3
Iron, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3.60	4.78	3.10	4.30	7
Magnesium, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>					20
Manganese, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.065	0.100	0.029	0.075	0.5
Molybdenum, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>					1
Tin, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>					5
Titanium, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>					30

TABLE 7 (Instructions, Page 60)

Check the box next to any of the industrial categories applicable to this facility. If no categories are applicable, check N/A. If GC/MS testing is required, check the box provided to confirm the testing results for the appropriate parameters are provided with the application.

☐ N/A

Table 7 for Applicable Industrial Categories

Industrial Category	40 CFR Part	Volatiles Table 8	Acids Table 9	Bases/Neutrals Table 10	Pesticides Table 11
<input type="checkbox"/> Adhesives and Sealants		<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Aluminum Forming	467	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Auto and Other Laundries		<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Battery Manufacturing	461	<input type="checkbox"/> Yes	No	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Coal Mining	434	No	No	No	No
<input type="checkbox"/> Coil Coating	465	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Copper Forming	468	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Electric and Electronic Components	469	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Electroplating	413	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Explosives Manufacturing	457	No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Foundries		<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Gum and Wood Chemicals - Subparts A,B,C,E	454	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No	No
<input type="checkbox"/> Gum and Wood Chemicals - Subparts D,F	454	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Inorganic Chemicals Manufacturing	415	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input checked="" type="checkbox"/> Iron and Steel Manufacturing	420	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes	No
<input type="checkbox"/> Leather Tanning and Finishing	425	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Mechanical Products Manufacturing		<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Nonferrous Metals Manufacturing	421,471	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Oil and Gas Extraction - Subparts A, D, E, F, G, H	435	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Ore Mining - Subpart B	440	No	<input type="checkbox"/> Yes	No	No
<input type="checkbox"/> Organic Chemicals Manufacturing	414	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Paint and Ink Formulation	446,447	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Pesticides	455	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Petroleum Refining	419	<input type="checkbox"/> Yes	No	No	No
<input type="checkbox"/> Pharmaceutical Preparations	439	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Photographic Equipment and Supplies	459	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Plastic and Synthetic Materials Manufacturing	414	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Plastic Processing	463	<input type="checkbox"/> Yes	No	No	No
<input type="checkbox"/> Porcelain Enameling	466	No	No	No	No
<input type="checkbox"/> Printing and Publishing		<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Pulp and Paperboard Mills - Subpart C	430	<input type="checkbox"/> *	<input type="checkbox"/> Yes	<input type="checkbox"/> *	<input type="checkbox"/> Yes
<input type="checkbox"/> Pulp and Paperboard Mills - Subparts F, K	430	<input type="checkbox"/> *	<input type="checkbox"/> Yes	<input type="checkbox"/> *	<input type="checkbox"/> *
<input type="checkbox"/> Pulp and Paperboard Mills - Subparts A, B, D, G, H	430	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> *	<input type="checkbox"/> *
<input type="checkbox"/> Pulp and Paperboard Mills - Subparts I, J, L	430	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> *	<input type="checkbox"/> Yes
<input type="checkbox"/> Pulp and Paperboard Mills - Subpart E	430	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> *
<input type="checkbox"/> Rubber Processing	428	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Soap and Detergent Manufacturing	417	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Steam Electric Power Plants	423	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No	No
<input type="checkbox"/> Textile Mills (Not Subpart C)	410	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Timber Products Processing	429	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes

* Test if believed present.

TABLES 8, 9, 10, and 11 (Instructions, Page 60)

Completion of Tables 8, 9, 10, and 11 **is required** as specified in Table 7 for all **external outfalls** that contain process wastewater.

Completion of Tables 8, 9, 10, and 11 **may be required** for types of industry not specified in Table 7 for specific parameters that are believed to be present in the wastewater.

Table 8 for Outfall No.: 001

Samples are (check one): ☐ Composite ☒ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Acrolein	ND	ND	ND	ND	50
Acrylonitrile	ND	ND	ND	ND	50
Benzene	ND	ND	ND	ND	10
Bromoform	139.0	25.0	239.0	83.9	10
Carbon tetrachloride	ND	ND	ND	ND	2
Chlorobenzene	ND	ND	ND	ND	10
Chlorodibromomethane	94.9	83.6	199.0	115.0	10
Chloroethane	ND	ND	ND	ND	50
2-Chloroethylvinyl ether	ND	ND	ND	ND	10
Chloroform	8.38	68.1	20.4	40.2	10
Dichlorobromomethane [Bromodichloromethane]	26.0	81.3	66.5	72.8	10
1,1-Dichloroethane	ND	ND	ND	ND	10
1,2-Dichloroethane	ND	ND	ND	ND	10
1,1-Dichloroethylene [1,1-Dichloroethene]	ND	ND	ND	ND	10
1,2-Dichloropropane	ND	ND	ND	ND	10
1,3-Dichloropropylene [1,3-Dichloropropene]	ND	ND	ND	ND	10
Ethylbenzene	ND	ND	ND	ND	10
Methyl bromide [Bromomethane]	ND	ND	ND	ND	50
Methyl chloride [Chloromethane]	ND	ND	ND	ND	50
Methylene chloride [Dichloromethane]	ND	ND	ND	ND	20
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	10
Tetrachloroethylene [Tetrachloroethene]	ND	ND	ND	ND	10
Toluene	ND	ND	ND	ND	10
1,2-Trans-dichloroethylene [1,2-Trans-dichloroethene]	ND	ND	ND	ND	10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
1,1,1-Trichloroethane	ND	ND	ND	ND	10
1,1,2-Trichloroethane	ND	ND	ND	ND	10
Trichloroethylene [Trichloroethene]	ND	ND	ND	ND	10
Vinyl chloride	ND	ND	ND	ND	10

* Indicate units if different from µg/L.

Table 9 for Outfall No.: **001**

Samples are (check one): ☐ Composite ☒ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
2-Chlorophenol	ND	ND	ND	ND	10
2,4-Dichlorophenol	ND	ND	ND	ND	10
2,4-Dimethylphenol	ND	ND	ND	ND	10
4,6-Dinitro-o-cresol	ND	ND	ND	ND	50
2,4-Dinitrophenol	ND	ND	ND	ND	50
2-Nitrophenol	ND	ND	ND	ND	20
4-Nitrophenol	ND	ND	ND	ND	50
p-Chloro-m-cresol	ND	ND	ND	ND	10
Pentachlorophenol	ND	ND	ND	ND	5
Phenol	ND	ND	ND	ND	10
2,4,6-Trichlorophenol	ND	ND	ND	ND	10

* Indicate units if different from µg/L.

Table 10 for Outfall No.: **001**

Samples are (check one): ☐ Composite ☒ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Acenaphthene	ND	ND	ND	ND	10
Acenaphthylene	ND	ND	ND	ND	10
Anthracene	ND	ND	ND	ND	10
Benzidine	ND	ND	ND	ND	50
Benzo(a)anthracene	ND	ND	ND	ND	5
Benzo(a)pyrene	ND	ND	ND	ND	5
3,4-Benzofluoranthene [Benzo(b)fluoranthene]	ND	ND	ND	ND	10
Benzo(ghi)perylene	ND	ND	ND	ND	20
Benzo(k)fluoranthene	ND	ND	ND	ND	5
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Bis(2-chloroethyl)ether	ND	ND	ND	ND	10
Bis(2-chloroisopropyl)ether	ND	ND	ND	ND	10
Bis(2-ethylhexyl)phthalate	ND	ND	ND	ND	10
4-Bromophenyl phenyl ether	ND	ND	ND	ND	10
Butylbenzyl phthalate	ND	ND	ND	ND	10
2-Chloronaphthalene	ND	ND	ND	ND	10
4-Chlorophenyl phenyl ether	ND	ND	ND	ND	10
Chrysene	ND	ND	ND	ND	5
Dibenzo(a,h)anthracene	ND	ND	ND	ND	5
1,2-Dichlorobenzene [o-Dichlorobenzene]	ND	ND	ND	ND	10
1,3-Dichlorobenzene [m-Dichlorobenzene]	ND	ND	ND	ND	10
1,4-Dichlorobenzene [p-Dichlorobenzene]	ND	ND	ND	ND	10
3,3'-Dichlorobenzidine	ND	ND	ND	ND	5
Diethyl phthalate	ND	ND	ND	ND	10
Dimethyl phthalate	ND	ND	ND	ND	10
Di-n-butyl phthalate	ND	ND	ND	ND	10
2,4-Dinitrotoluene	ND	ND	ND	ND	10
2,6-Dinitrotoluene	ND	ND	ND	ND	10
Di-n-octyl phthalate	ND	ND	ND	ND	10
1,2-Diphenylhydrazine (as Azobenzene)	ND	ND	ND	ND	20
Fluoranthene	ND	ND	ND	ND	10
Fluorene	ND	ND	ND	ND	10
Hexachlorobenzene	ND	ND	ND	ND	5
Hexachlorobutadiene	ND	ND	ND	ND	10
Hexachlorocyclopentadiene	ND	ND	ND	ND	10
Hexachloroethane	ND	ND	ND	ND	20
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	5
Isophorone	ND	ND	ND	ND	10
Naphthalene	ND	ND	ND	ND	10
Nitrobenzene	ND	ND	ND	ND	10
N-Nitrosodimethylamine	ND	ND	ND	ND	50

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
N-Nitrosodi-n-propylamine	ND	ND	ND	ND	20
N-Nitrosodiphenylamine	ND	ND	ND	ND	20
Phenanthrene	ND	ND	ND	ND	10
Pyrene	ND	ND	ND	ND	10
1,2,4-Trichlorobenzene	ND	ND	ND	ND	10

* Indicate units if different from µg/L.

Table 11 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Aldrin					0.01
alpha-BHC [alpha-Hexachlorocyclohexane]					0.05
beta-BHC [beta-Hexachlorocyclohexane]					0.05
gamma-BHC [gamma-Hexachlorocyclohexane]					0.05
delta-BHC [delta-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

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
PCB 1260					0.2
PCB 1016					0.2
Toxaphene					0.3

* Indicate units if different from µg/L.

Attachment: [Click to enter text.](#)

TABLE 12 (DIOXINS/FURAN COMPOUNDS)

Complete of Table 12 is required for external outfalls, as directed below. (Instructions, Pages 59-60)

Indicate which compound(s) are manufactured or used at the facility and provide a brief description of the conditions of its/their presence at the facility (check all that apply).

- ☐ 2,4,5-trichlorophenoxy acetic acid (2,4,5-T) CASRN 93-76-5
- ☐ 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 2,4,5-TP) CASRN 93-72-1
- ☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon) CASRN 136-25-4
- ☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate (Ronnell) CASRN 299-84-3
- ☐ 2,4,5-trichlorophenol (TCP) CASRN 95-95-4
- ☐ hexachlorophene (HCP) CASRN 70-30-4
- ☒ None of the above

Description: [Click to enter text.](#)

Does the applicant or anyone at the facility 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 the effluent proposed for discharge?

- ☐ Yes ☒ No

Description: [Click to enter text.](#)

If yes to either Items a or b, complete Table 12 as instructed.

Table 12 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☐ Grab

Compound	Toxicity Equivalent Factors	Wastewater Concentration (ppq)	Wastewater Toxicity Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Toxicity Equivalents (ppt)	MAL (ppq)
2,3,7,8-TCDD	1					10
1,2,3,7,8-PeCDD	1.0					50
2,3,7,8-HxCDDs	0.1					50
1,2,3,4,6,7,8-HpCDD	0.01					50

Compound	Toxicity Equivalent Factors	Wastewater Concentration (ppq)	Wastewater Toxicity Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Toxicity Equivalents (ppt)	MAL (ppq)
2,3,7,8-TCDF	0.1					10
1,2,3,7,8-PeCDF	0.03					50
2,3,4,7,8-PeCDF	0.3					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					500
PCB 81	0.0003					500
PCB 126	0.1					500
PCB 169	0.03					500
Total						

TABLE 13 (HAZARDOUS SUBSTANCES)

Complete Table 13 **is required** for all **external outfalls** as directed below. (Instructions, Pages 60-61)

Are there any pollutants listed in the instructions (pages 55-62) believed present in the discharge?

☐ Yes ☒ No

Are there pollutants listed in Item 1.c. of Technical Report 1.0 which are believed present in the discharge and have not been analytically quantified elsewhere in this application?

☐ Yes ☒ No

If **yes** to either Items a **or** b, complete Table 13 as instructed.

Table 13 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☐ Grab

Pollutant	CASRN	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	Analytical Method

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND APPLICATION OF EFFLUENT

This worksheet is required for all applications for a permit to disposal of wastewater by land application (i.e., TLAP).

Item 1. Type of Disposal System (Instructions, Page 69)

Check the box next to the type of land disposal requested by this application:

- | | |
|--|--|
| <input type="checkbox"/> Irrigation | <input type="checkbox"/> Subsurface application |
| <input type="checkbox"/> Evaporation | <input type="checkbox"/> Subsurface soils absorption |
| <input type="checkbox"/> Evapotranspiration beds | <input type="checkbox"/> Surface application |
| <input type="checkbox"/> Drip irrigation system | <input type="checkbox"/> Other, specify: Click to enter text |

Item 2. Land Application Area (Instructions, Page 69)

Land Application Area Information

Effluent Application (gallons/day)	Irrigation Acreage (acres)	Describe land use & indicate type(s) of crop(s)	Public Access? (Y/N)

Item 3. Annual Cropping Plan (Instructions, Page 69)

Attach the required cropping plan that includes each of the following:

- Cool and warm season plant species
- Breakdown of acreage and percent of total acreage for each crop
- Crop growing season
- Harvesting method/number of harvests
- Minimum/maximum harvest height
- Crop yield goals
- Soils map
- Nitrogen requirements per crop
- Additional fertilizer requirements
- Supplemental watering requirements
- Crop salt tolerances
- Justification for not removing existing vegetation to be irrigated

Attachment:

Item 4. Well and Map Information (Instructions, Page 70)

- a. Check each box to confirm the required information is shown and labeled on the attached USGS map:

- ☐ The exact boundaries of the land application area
- ☐ On-site buildings
- ☐ Waste-disposal or treatment facilities
- ☐ Effluent storage and tailwater control facilities
- ☐ Buffer zones
- ☐ All surface waters in the state onsite and within 500 feet of the property boundaries
- ☐ All water wells within ½-mile of the disposal site, wastewater ponds, or property boundaries
- ☐ All springs and seeps onsite and within 500 feet of the property boundaries

Attachment: [Click to enter text.](#)

- b. List and cross reference all water wells located on or within 500 feet of the disposal site, wastewater ponds, or property boundaries in the following table. Attach additional pages as necessary to include all of the wells.

Well and Map Information Table

Well ID	Well Use	Producing? Y/N/U	Open, cased, capped, or plugged?	Proposed Best Management Practice

Attachment: [Click to enter text.](#)

- c. Groundwater monitoring wells or lysimeters are/will be installed around the land application site or wastewater ponds.

☐ Yes ☐ No

If yes, provide the existing/proposed location of the monitoring wells or lysimeters on the site map attached for Item 4.a. Additionally, attach information on the depth of the wells or lysimeters, sampling schedule, and monitoring parameters for TCEQ review, possible modification, and approval.

Attachment: [Click to enter text.](#)

- d. Attach a short groundwater technical report using 30 TAC § 309.20(a)(4) as guidance.
Attachment:

Item 5. Soil Map and Soil Information (Instructions, Page 71)

Check each box to confirm that the following information is attached:

- a. ☐ USDA NRCS Soil Survey Map depicting the area to be used for land application with the locations identified by fields and crops.
- b. ☐ Breakdown of acreage and percent of total acreage for each soil type.
- c. ☐ Copies of laboratory soil analyses. **Attachment:** Click to enter text.

Item 6. Effluent Monitoring Data (Instructions, Page 72)

- a. Completion of Table 14 is **required** for all **renewal** and **major amendment** applications. Complete the table with monitoring data for the previous two years for all parameters regulated in the current permit. An additional table has been provided with blank headers for parameters regulated in the current permit which are not listed in Table 14.

Table 14 for Outfall No.: Samples are (check one): ☐ Composite ☐ Grab

[illegible]

Item 7. Pollutant Analysis (Instructions, Page 72)

- Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): [Click to enter text.](#)
- ☐ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- Complete Tables 15 and 16.

Table 15 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)				
CBOD (5-day)				
Chemical oxygen demand				
Total organic carbon				
Dissolved oxygen				
Ammonia nitrogen				
Total suspended solids				
Nitrate nitrogen				
Total organic nitrogen				
Total phosphorus				
Oil and grease				
Total residual chlorine				
Total dissolved solids				
Sulfate				
Chloride				
Fluoride				
Total alkalinity (mg/L as CaCO ₃)				
Temperature (°F)				
pH (standard units)				

Table 16 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total					2.5
Antimony, total					5
Arsenic, total					0.5
Barium, total					3

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Beryllium, total					0.5
Cadmium, total					1
Chromium, total					3
Chromium, hexavalent					3
Chromium, trivalent					N/A
Copper, total					2
Cyanide, available					2/10
Lead, total					0.5
Mercury, total					0.005/0.0005
Nickel, total					2
Selenium, total					5
Silver, total					0.5
Thallium, total					0.5
Zinc, total					5.0

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 3.1: SURFACE LAND APPLICATION AND APPLICATION

This worksheet is **required** for all applications for a permit to disposal of wastewater by surface land application or evaporation.

Item 1. Edwards Aquifer (Instructions, Page 73)

a. Is the facility subject to *30 TAC Chapter 213*, Edwards Aquifer Rules?

☐ Yes ☐ No

If **no**, proceed to Item 2. If **yes**, complete Items 1.b and 1.c.

b. Check the box next to the subchapter applicable to the facility.

☐ 30 TAC Chapter 213, Subchapter A

☐ 30 TAC Chapter 213, Subchapter B

c. If *30 TAC Chapter 213, Subchapter A* applies, attach **either**: 1) a Geologic Assessment (if conducted in accordance with *30 TAC § 213.5*) or 2) a report that contains the following:

- A description of the surface geological units within the proposed land application site and wastewater pond area.
- The location and extent of any sensitive recharge features in the land application site and wastewater pond area
- A list of any proposed BMPs to protect the recharge features.

Attachment: [Click to enter text.](#)

Item 2. Surface Spray/Irrigation (Instructions, Page 73)

a. Provide the following information on the irrigation operations:

Area under irrigation (acres): [Click to enter text.](#)

Design application rate (acre-ft/acre/yr): [Click to enter text.](#)

Design application frequency (hours/day): [Click to enter text.](#)

Design application frequency (days/week): [Click to enter text.](#)

Design total nitrogen loading rate (lbs nitrogen/acre/year): [Click to enter text.](#)

Average slope of the application area (percent): [Click to enter text.](#)

Maximum slope of the application area (percent): [Click to enter text.](#)

Irrigation efficiency (percent): [Click to enter text.](#)

Effluent conductivity (mmhos/cm): [Click to enter text.](#)

Soil conductivity (mmhos/cm): [Click to enter text.](#)

Curve number: [Click to enter text.](#)

Describe the application method and equipment: [Click to enter text.](#)

- b. Attach a detailed engineering report which includes a water balance, storage volume calculations, and a nitrogen balance. Attachment: [Click to enter text.](#)

Item 3. Evaporation Ponds (Instructions, Page 74)

- a. Daily average effluent flow into ponds: [Click to enter text.](#) gallons per day
- b. Attach a separate engineering report of evaporation calculations for average long-term and worst-case critical conditions. Attachment: [Click to enter text.](#)

Item 4. Evapotranspiration Beds (Instructions, Page 74)

- a. Provide the following information on the evapotranspiration beds:
- Number of beds: [Click to enter text.](#)
- Area of bed(s) (acres): [Click to enter text.](#)
- Depth of bed(s) (feet): [Click to enter text.](#)
- Void ratio of soil in the beds: [Click to enter text.](#)
- Storage volume within the beds (include units): [Click to enter text.](#)
- Description of any lining to protect groundwater: [Click to enter text.](#)
- b. Attach a certification by a licensed Texas professional engineer that the liner meets TCEQ requirements. Attachment: [Click to enter text.](#)
- c. Attach a separate engineering report with water balance, storage volume calculations, and description of the liner. Attachment: [Click to enter text.](#)

Item 5. Overland Flow (Instructions, Page 74)

- a. Provide the following information on the overland flow:
- Area used for application (acres): [Click to enter text.](#)
- Slopes for application area (percent): [Click to enter text.](#)
- Design application rate (gpm/foot of slope width): [Click to enter text.](#)
- Slope length (feet): [Click to enter text.](#)
- Design BOD5 loading rate (lbs BOD5/acre/day): [Click to enter text.](#)
- Design application frequency (hours/day): [Click to enter text.](#)
- Design application frequency (days/week): [Click to enter text.](#)
- b. Attach a separate engineering report with the method of application and design requirements according to 30 TAC § 217.212. Attachment: [Click to enter text.](#)

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 3.2: SUBSURFACE IRRIGATION (NON-DRIP)

This worksheet is **required** for all applications for a permit to disposal of wastewater by subsurface land application.

- ☐ Check the box to confirm the Class V Injection Well Inventory/Authorization Form (Worksheet 9.0) has been submitted to the TCEQ UIC Permits Team as directed.

Item 1. Edwards Aquifer (Instructions, Page 75)

- a. The subsurface system is/will be located on the Edwards Aquifer Recharge Zone, as mapped by TCEQ?
- ☐ Yes ☐ No
- b. The subsurface system is/will be located on the Edwards Aquifer Transition Zone, as mapped by TCEQ?
- ☐ Yes ☐ No

If **yes** to Item 1.a or 1.b, the subsurface system may be prohibited by 30 TAC § 213.8. Contact the Water Quality Assessment Section at (512) 239-4671 for a preapplication meeting.

Item 2. Subsurface Application (Instructions, Page 75)

- a. Check the box next to the type of subsurface land disposal system requested:
- ☐ Conventional drainfield, beds, or trenches
- ☐ Low pressure dosing
- ☐ Other: Click to enter text.
- b. Provide the following information on the irrigation operations:
- Application area (acres): Click to enter text.
- Area of drainfield (square feet): Click to enter text.
- Application rate (gal/square ft/day): Click to enter text.
- Depth to groundwater (feet): Click to enter text.
- Area of trench (square feet): Click to enter text.
- Dosing duration per area (hours): Click to enter text.
- Number of beds: Click to enter text.
- Dosing amount per area (inches/day): Click to enter text.
- Soil infiltration rate (inches/hour): Click to enter text.
- Storage volume (gallons): Click to enter text.
- Area of bed(s) (square feet): Click to enter text.
- Soil classification: Click to enter text.
- c. Attach a separate engineering report using 30 TAC § 309.20, Subchapter C, Land Disposal of Sewage Effluent as guidance, excluding items b(3)(A) and b(3)(B). Include a description of the schedule of dosing basin rotation. Attachment: Click to enter text.

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 3.3: SUBSURFACE AREA DRIP DISPERSAL SYSTEMS

This worksheet is required for all applications for a permit to dispose of wastewater using a subsurface area drip dispersal system (SADDS).

- ☐ Check the box to confirm the Class V Injection Well Inventory/Authorization Form (Worksheet 9.0) has been submitted to the TCEQ UIC Permits Team as directed.

Item 1. Edwards Aquifer (Instructions, Page 76)

- a. The subsurface system is/will be located on the Edwards Aquifer Recharge Zone, as mapped by TCEQ?

☐ Yes ☐ No

- b. The subsurface system is/will be located on the Edwards Aquifer Transition Zone, as mapped by TCEQ?

☐ Yes ☐ No

If **yes** to Item 1.a or 1.b, the subsurface system may be prohibited by 30 TAC § 213.8. Contact the Water Quality Assessment Section at (512) 239-4671 for a preapplication meeting.

Item 2. Administrative Information (Instructions, Page 76)

- a. Provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the treatment facility: Click to enter text.

- b. The owner of the land where the WWTF is/will be located is the same as the owner of the WWTF.

☐ Yes ☐ No

If **no**, provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the land where the WWTF is/will be located:

Click to enter text.

- c. Provide the legal name of the owner of the SADDS: Click to enter text.

- d. The owner of the SADDS is the same as the owner of the WWTF or the site where the WWTF is/will be located.

☐ Yes ☐ No

If **no**, identify the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in Item 1.c: Click to enter text.

- e. Provide the legal name of the owner of the land where the SADDS is located: Click to enter text.

- f. The owner of the land where the SADDs is/will be located is the same as owner of the WWTF, the site where the WWTF is located, or the owner of the SADDs.

☐ Yes ☐ No

If **no**, provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in item 1.e: Click to enter text.

Item 3. SADDs (Instructions, Page 77)

- a. Check the box next to the type SADDs requested by this application:

☐ Subsurface drip/trickle irrigation

☐ Surface drip irrigation

☐ Other: Click to enter text.

- b. Attach a description of the SADDs proposed/used by the facility (see instructions for guidance). Attachment: Click to enter text.

- c. Provide the following information on the SADDs:

Application area (acres): Click to enter text.

Soil infiltration rate (inches/hour): Click to enter text.

Average slope of the application area: Click to enter text.

Maximum slope of the application area: Click to enter text.

Storage volume (gallons): Click to enter text.

Major soil series: Click to enter text.

Depth to groundwater (feet): Click to enter text.

Effluent conductivity (mmhos/cm): Click to enter text.

- d. The facility is/will be located west of the boundary shown in 30 TAC § 222.83 **and** using a vegetative cover of non-native grasses over seeded with cool-season grasses.

☐ Yes ☐ No

If **yes**, the facility may propose a hydraulic application rate up to, but not to exceed, 0.1 gal/ft²/day.

- e. The facility is/will be located east of the boundary shown in 30 TAC § 222.83 **or** is the facility proposing any crop other than non-native grasses.

☐ Yes ☐ No

If **yes**, the facility must use the formula in 30 TAC § 222.83 to calculate the maximum hydraulic application rate.

- f. The facility has or plans to submit an alternative method to calculate the hydraulic application rate for approval by the ED.

☐ Yes ☐ No

If yes, provide the following information on the hydraulic application rates:

- Hydraulic application rate (gal/square foot/day): [Click to enter text.](#)
- Nitrogen application rate (gal/square foot/day): [Click to enter text.](#)

g. Provide the following dosing information:

Number of doses per day: [Click to enter text.](#)

Dosing duration per area (hours): [Click to enter text.](#)

Rest period between doses (hours): [Click to enter text.](#)

Dosing amount per area (inches/day): [Click to enter text.](#)

Number of zones: [Click to enter text.](#)

h. The system is/will be a surface drip irrigation system using existing native vegetation as a crop?

☐ Yes ☐ No

If yes, attach the following information:

- A vegetation survey by a certified arborist describing the percent canopy cover and relative percentage of major overstory and understory plant species.
Attachment: [Click to enter text.](#)
- Attach a separate engineering report using *30 TAC § 309.20, Subchapter C, Land Disposal of Sewage Effluent* as guidance, excluding items b(3)(A) and b(3)(B). Include a description of the schedule of dosing basin rotation.
Attachment: [Click to enter text.](#)

Item 4. Required Plans (Instructions, Page 78)

a. Attach a Soil Evaluation with all information required in *30 TAC § 222.73*.

Attachment: [Click to enter text.](#)

b. Attach a Site Preparation Plan with all information required in *30 TAC § 222.75*.

Attachment: [Click to enter text.](#)

c. Attach a Recharge Feature Plan with all information required in *30 TAC § 222.79*.

Attachment: [Click to enter text.](#)

d. Provide soil sampling and testing with all information required in *30 TAC § 222.157*.

Attachment: [Click to enter text.](#)

Item 5. Flood and Run-On Protection (Instructions, Page 79)

a. Is the existing/proposed SADDs located within the 100-year frequency flood level?

☐ Yes ☐ No

Source: [Click to enter text.](#)

If yes, describe how the site will be protected from inundation: [Click to enter text.](#)

b. Is the existing/proposed SADDs within a designated floodway?

☐ Yes ☐ No

If **yes**, attach either the FEMA flood map or alternate information used to make this determination. Attachment: [Click to enter text.](#)

Item 6. Surface Waters in The State (Instructions, Page 79)

a. Attach a buffer map which shows the appropriate buffers on surface waters in the state, water wells, and springs/seeps. Attachment: [Click to enter text.](#)

b. The facility has or plans to request a buffer variance from water wells or waters in the state?

☐ Yes ☐ No

If **yes**, attach the additional information required in 30 TAC § 222.81(c). Attachment: [Click to enter text.](#)

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 4.0: RECEIVING WATERS

This worksheet is required for all TPDES permit applications.

Item 1. Domestic Drinking Water Supply (Instructions, Page 80)

- a. There is a surface water intake for domestic drinking water supply located within 5 (five) miles downstream from the point/proposed point of discharge.

☐ Yes ☒ No

If **no**, stop here and proceed to Item 2. If **yes**, provide the following information:

1. The legal name of the owner of the drinking water supply intake: Click to enter text.
2. The distance and direction from the outfall to the drinking water supply intake: Click to enter text.

- b. Locate and identify the intake on the USGS 7.5-minute topographic map provided for Administrative Report 1.0.

☐ Check this box to confirm the above requested information is provided.

Item 2. Discharge Into Tidally Influenced Waters (Instructions, Page 80)

If the discharge is to tidally influenced waters, complete this section. Otherwise, proceed to Item 3.

- a. Width of the receiving water at the outfall: Click to enter text. feet

- b. Are there oyster reefs in the vicinity of the discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s) to the oyster reefs: Click to enter text.

- c. Are there sea grasses within the vicinity of the point of discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s) to the grasses: Click to enter text.

Item 3. Classified Segment (Instructions, Page 80)

The discharge is/will be directly into (or within 300 feet of) a classified segment.

☒ Yes ☐ No

If **yes**, stop here and do not complete Items 4 and 5 of this worksheet or Worksheet 4.1.

If **no**, complete Items 4 and 5 and Worksheet 4.1 may be required.

Item 4. Description of Immediate Receiving Waters (Instructions, Page 80)

- a. Name of the immediate receiving waters: [Click to enter text.](#)
- b. Check the appropriate description of the immediate receiving waters:
- ☐ Lake or Pond
 - Surface area (acres): [Click to enter text.](#)
 - Average depth of the entire water body (feet): [Click to enter text.](#)
 - Average depth of water body within a 500-foot radius of the discharge point (feet): [Click to enter text.](#)
 - ☐ Man-Made Channel or Ditch
 - ☐ Stream or Creek
 - ☐ Freshwater Swamp or Marsh
 - ☐ Tidal Stream, Bayou, or Marsh
 - ☐ Open Bay
 - ☐ Other, specify:

If **Man-Made Channel or Ditch** or **Stream or Creek** were selected above, provide responses to Items 4.c – 4.g below:

- c. For **existing discharges**, check the description below that best characterizes the area **upstream** of the discharge.

For **new discharges**, check the description below that best characterizes the area **downstream** of the discharge.

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

Check the source(s) of the information used to characterize the area upstream (existing discharge) or downstream (new discharge):

- ☐ USGS flow records
- ☐ personal observation
- ☐ historical observation by adjacent landowner(s)
- ☐ other, specify: [Click to enter text.](#)

- d. List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point: [Click to enter text.](#)
- e. 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, describe how: [Click to enter text.](#)

- f. General observations of the water body during normal dry weather conditions: [Click to enter text.](#)

Date and time of observation: [Click to enter text.](#)

- g. The water body was influenced by stormwater runoff during observations.

☐ Yes ☐ No

If yes, describe how: [Click to enter text.](#)

Item 5. General Characteristics of Water Body (Instructions, Page 81)

- a. Is the receiving water upstream of the existing discharge or proposed discharge site influenced by any of the following (check all that apply):

<input type="checkbox"/> oil field activities	<input type="checkbox"/> urban runoff
<input type="checkbox"/> agricultural runoff	<input type="checkbox"/> septic tanks
<input type="checkbox"/> upstream discharges	<input type="checkbox"/> other, specify: Click to enter text.

- b. Uses of water body observed or evidence of such uses (check all that apply):

<input type="checkbox"/> livestock watering	<input type="checkbox"/> industrial water supply
<input type="checkbox"/> non-contact recreation	<input type="checkbox"/> irrigation withdrawal
<input type="checkbox"/> domestic water supply	<input type="checkbox"/> navigation
<input type="checkbox"/> contact recreation	<input type="checkbox"/> picnic/park activities
<input type="checkbox"/> fishing	<input type="checkbox"/> other, specify: Click to enter text.

- c. Description which best describes the aesthetics of the receiving water and the surrounding area (check only one):

☐ **Wilderness:** outstanding natural beauty; usually wooded or un-pastured area; water clarity exceptional

☐ **Natural Area:** trees or native vegetation common; 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

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 4.1: WATERBODY PHYSICAL CHARACTERISTICS

The following information is **required** for new applications, EPA-designated Major facilities, and major amendment applications requesting to add an outfall if the receiving waters are perennial or intermittent with perennial pools (including impoundments) for a TDPES permit.

Complete the transects downstream of the existing or proposed discharges.

Item 1. Data Collection (Instructions, Page 82)

- a. Date of study: Click to enter text. Time of study: Click to enter text.
 Waterbody name: Click to enter text.
 General location: Click to enter text.
- b. Type of stream upstream of an existing discharge or downstream of a proposed discharge (check only one):
☐ perennial ☐ intermittent with perennial pools ☐ impoundment
- c. No. of defined stream bends:
 Well: Click to enter text. Moderately: Click to enter text. Poorly: Click to enter text.
- d. No. of riffles: Click to enter text.
- e. Evidence of flow fluctuations (check one):
☐ Minor ☐ Moderate ☐ Severe
- f. Provide the observed stream uses and where there is evidence of channel obstructions/modifications: Click to enter text.
- g. Complete the following table with information regarding the transect measurements.

Stream Transect Data

Transect Location	Habitat Type*	Water Surface Width (ft)	Stream Depths (ft)**							

* riffle, run, glide, or pool
 ** channel bed to water surface

Item 2. Summarize Measurements (Instructions, Page 83)

Provide the following information regarding the transect measurements:

Streambed slope of entire reach (from USGS map in ft. /ft.): [Click to enter text.](#)

Approximate drainage area above the most downstream transect from USGS map or county highway map (square miles): [Click to enter text.](#)

Length of stream evaluated (ft): [Click to enter text.](#)

Number of lateral transects made: [Click to enter text.](#)

Average stream width (ft): [Click to enter text.](#)

Average stream depth (ft): [Click to enter text.](#)

Average stream velocity (ft/sec): [Click to enter text.](#)

Instantaneous stream flow (ft³/sec): [Click to enter text.](#)

Indicate flow measurement method (VERY IMPORTANT – type of meter, floating chip timed over a fixed distance, etc.): [Click to enter text.](#)

Flow fluctuations (i.e., minor, moderate, or severe): [Click to enter text.](#)

Size of pools (i.e., large, small, moderate, or none): [Click to enter text.](#)

Maximum pool depth (ft): [Click to enter text.](#)

Total number of stream bends: [Click to enter text.](#)

Number well defined: [Click to enter text.](#)

Number moderately defined: [Click to enter text.](#)

Number poorly defined: [Click to enter text.](#)

Total number of riffles: [Click to enter text.](#)

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 5.0: SEWAGE SLUDGE MANAGEMENT AND DISPOSAL

The following information is **required** for all TPDES permit applications that meet the conditions as outlined in Technical Report 1.0, Item 7.

Item 1. Sewage Sludge Solids Management Plan (Instructions, Page 84)

a. Is this a new permit application or an amendment permit application?

☐ Yes ☒ No

b. Does or will the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

If **yes** to either Item 1.a or 1.b, attach a solids management plan. Attachment: [Click to enter text](#)

Item 2. Sewage Sludge Management and Disposal (Instructions, Page 84)

a. Check the box next to the sludge disposal method(s) authorized under the facility's existing permit (check all that apply).

- ☐ Permitted landfill
- ☐ Marketing and distribution by the permittee, attach Form TCEQ-00551
- ☐ Registered land application site, attach Form TCEQ-00565
- ☐ Processed by the permittee, attach Form TCEQ-00744
- ☐ Surface disposal site (sludge monofill), attach Form TCEQ-00744
- ☒ Transported to another WWTP
- ☐ Beneficial land application, attach Form TCEQ-10451
- ☐ Incineration, attach Form TCEQ-00744

Based on the selection(s) made above, complete and attach the required TCEQ forms as directed. Failure to submit the required TCEQ form will result in delays in processing the application

Attachment: [Click to enter text](#)

b. Provide the following information for each disposal site:

Disposal site name: City of La Coste WWTP

TCEQ Permit/Registration Number: TPDES Permit 10889-001

County where disposal site is located: Medina

c. Method of sewage sludge transportation:

☒ truck ☐ train ☐ pipe ☐ other: [Click to enter text.](#)

TCEQ Hauler Registration Number: 85936

d. Sludge is transported as a:

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

e. Purpose of land application: ☐ reclamation ☐ soil conditioning ☒ N/A

f. If sewage sludge is transported to another WWTP for treatment, attach a written statement or copy of contractual agreements confirming that the WWTP identified above will accept and be responsible for the sludge from this facility for the life of the permit (at least 5 years).

Attachment: [Click to enter text.](#)

Item 3. Authorization for Sewage Sludge Disposal (Instructions, Page 85)

If this is a new or major amendment application which requests authorization of a new sewage sludge disposal method, check the new sewage disposal method(s) requested for authorization (check all that apply):

- ☐ Marketing and distribution by the permittee, attach Form TCEQ-00551
- ☐ Processed by the permittee, attach Form TCEQ-00744
- ☐ Surface disposal site (sludge monofill), attach Form TCEQ-00744
- ☐ Beneficial land application, attach Form TCEQ-10451
- ☐ Incineration, attach Form TCEQ-00744

Based on the selection(s) made above, complete and attach any required TCEQ forms, as directed. Failure to submit the required TCEQ form will result in delays in processing the application.

Attachment: [Click to enter text.](#)

NOTE: New authorization for beneficial land application, incineration, processing, or disposal in the TPDES permit or TLAP **requires a major amendment to the permit.** New authorization for composting may require a major amendment to the permit. See the instructions to determine if a major amendment is required or if authorization for composting can be added through the renewal process.

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following information is required for all applications for publicly-owned treatment works (POTWs).

For an explanation of the terms used in this worksheet, refer to the General Definitions on pages 4-12 and the Definitions Relating to Pretreatment on pages 13-14 of the Instructions.

Item 1. All POTWs (Instructions, Page 86)

- a. Complete the following table with the number of each type of industrial users (IUs) that discharge to the POTW and the daily average flows from each.

Industrial User Information

Type of Industrial User	Number of Industrial Users	Daily Average Flow (gallons per day)
CIU		
SIU - Non-categorical		
Other IU		

- b. In the past three years, has the POTW experienced treatment plant interference?

☐ Yes ☐ No

If **yes**, identify the date(s), duration, nature of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IU(s) that may have caused the interference: [Click to enter text](#)

- c. In the past three years, has the POTW experienced pass-through?

☐ Yes ☐ No

If **yes**, identify the date(s), duration, pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass-through event. Include the names of the IU(s) that may have caused the pass-through: [Click to enter text](#)

- d. Does the POTW have, or is it required to develop, an approved pretreatment program?

☐ Yes ☐ No

If **yes**, answer all questions in Item 2 and skip Item 3.

If **no**, skip Item 2 and answer all questions in Item 3 for each SIU and CIU.

Item 2. POTWs With Approved Pretreatment Programs or Those Required To Develop A Pretreatment Program (Instructions, Page 86)

- a. Have there been any substantial modifications to the POTW's approved pretreatment program that have not been submitted to the Approval Authority (TCEQ) for approval according to 40 CFR § 403.18?

☐ Yes ☐ No

If **yes**, include an attachment which identifies all substantial modifications that have not been submitted to the TCEQ and the purpose of the modifications.

Attachment: [Click to enter text.](#)

- b. Have there been any non-substantial modifications to the POTW's approved pretreatment program that have not been submitted to the Approval Authority (TCEQ)?

☐ Yes ☐ No

If **yes**, include an attachment which identifies all non-substantial modifications that have not been submitted to the TCEQ and the purpose of the modification.

Attachment: [Click to enter text.](#)

- c. List all parameters measured above the MAL in the POTW's effluent monitoring during the last three years:

Effluent Parameters Measured Above the MAL

Pollutant	Concentration	MAL	Units	Date

Attachment: [Click to enter text.](#)

- d. Has any SIU, CIU, or other IU caused or contributed to any other problems (excluding interference or pass-through) at the POTW in the past three years?

☐ Yes ☐ No

If **yes**, provide a description of each episode, including date(s), duration, description of problems, and probable pollutants. Include the name(s) of the SIU(s)/CIU(s)/other IU(s) that may have caused or contributed to any of the problems: [Click to enter text.](#)

Item 3. Significant Industrial User and Categorical Industrial User Information (Instructions, Pages 88-87)

POTWs that **do not** have an approved pretreatment program are required to provide the following information for each SIU and CIU:

- a. Mr. or Ms.: [Click to enter text.](#) First/Last Name: [Click to enter text.](#)

Organization Name: [Click to enter text.](#)

SIC Code: [Click to enter text.](#)

Phone number: [Click to enter text.](#)

Email address: [Click to enter text.](#)

Physical Address: [Click to enter text.](#)

City/State/ZIP Code: [Click to enter text.](#)

Attachment: [Click to enter text.](#)

- b. Describe the industrial processes or other activities that affect or contribute to the SIU(s) or CIU(s) discharge (e.g., process and non-process wastewater): [Click to enter text.](#)

c. Provide a description of the principal products(s) or service(s) performed: [Click to enter text.](#)

d. Flow rate information

Flow Rate Information

Effluent Type	Discharge Day (gallons per day)	Discharge Frequency (Continuous, batch, or intermittent)
Process Wastewater		
Non-process Wastewater		

e. Pretreatment Standards

1. Is the SIU or CIU subject to technology-based local limits as defined in the application instructions?

☐ Yes ☐ No

2. Is the SIU subject to categorical pretreatment standards?

☐ Yes ☐ No

If **yes**, provide the category and subcategory or subcategories in the SIUs Subject To Categorical Pretreatment Standards table.

SIUs Subject to Categorical Pretreatment Standards

Category in 40 CFR	Subcategory in 40 CFR	Subcategory in 40 CFR	Subcategory in 40 CFR	Subcategory in 40 CFR

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

☐ Yes ☐ No

If **yes**, provide a description of each episode, including dates, duration, description of problems, and probable pollutants, and include the name(s) of the SIU(s)/CIU(s) that may have caused or contributed to the problem(s): [Click to enter text.](#)

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 7.0: STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

This worksheet is **required** for all TPDES permit applications requesting individual permit coverage for discharges consisting of **either**: 1) solely of stormwater discharges associated with industrial activities, as defined in *40 CFR § 122.26(b)(14)(i-xi)*, **or** 2) stormwater discharges associated with industrial activities and any of the listed allowable non-stormwater discharges, as defined in the MSGP (TXR05000), Part II, Section A, Item 6.

Discharges of stormwater as defined in *40 CFR § 122.26 (b)(13)* are not required to obtain authorization under a TPDES permit (see exceptions at *40 CFR §§ 122.26(a)(1)* and *(9)*). Authorization for discharge may be required from a local municipal separate storm sewer system.

Item 1. Applicability (Instructions, Page 89)

Do discharges from any of the existing/proposed outfalls consist either 1) solely of stormwater discharges associated with industrial activities **or** 2) stormwater discharges associated with industrial activities and any of the allowable non-stormwater discharges?

☒ Yes ☐ No

If **no**, stop here. If **yes**, proceed as directed.

Item 2. Stormwater Coverage (Instructions, Page 89)

List each existing/proposed stormwater outfall at the facility and indicate which type of authorization covers or is proposed to cover discharges.

Authorization Coverage

Outfall	Authorization under MSGP	Authorized Under Individual Permit
SWO 002	<input checked="" type="checkbox"/> MSGP No.: TXR05DA08	<input type="checkbox"/>
SWO 003	<input checked="" type="checkbox"/> MSGP No.: TXR05DA08	<input type="checkbox"/>
SWO 004	<input checked="" type="checkbox"/> MSGP No.: TXR05DA08	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

If **all** existing/proposed outfalls which discharge stormwater associated with industrial activities (and any of the allowable non-stormwater discharges) are **authorized under the MSGP**, **stop** here.

If **seeking authorization** for any outfalls which discharge stormwater associated with industrial activities (and any of the allowable non-stormwater discharges) **under an individual permit**, **proceed**.

NOTE: The following information is required for each existing/proposed stormwater outfall for which the facility is seeking individual permit authorization under this application

Item 3. Site Map (Instructions, Page 90)

Attach a site map or maps (drawn to scale) of the entire facility with the following information.

- the location of each stormwater outfall to be covered by the permit
- an outline of the drainage area that is within the facility's boundary and that contributes stormwater to each outfall to be covered by the permit
- connections or discharge points to municipal separate storm sewer systems
- locations of all structures (e.g. buildings, garages, storage tanks)
- structural control devices that are designed to reduce pollution in discharges of stormwater associated with industrial activities
- process wastewater treatment units (including ponds)
- bag house and other air treatment units exposed to stormwater (stormwater runoff, snow melt runoff, and surface runoff and drainage)
- landfills; scrapyards; surface water bodies (including wetlands)
- vehicle and equipment maintenance areas
- physical features of the site that may influence discharges of stormwater associated with industrial activities or contribute a dry weather flow
- locations where spills or leaks of reportable quality (as defined in 30 TAC § 327.4) have occurred during the three years before this application was submitted to obtain coverage under an individual permit
- processing areas, storage areas, material loading/unloading areas, and other locations where significant materials are exposed to stormwater (stormwater runoff, snow melt runoff, and surface runoff and drainage)

☐ Check the box to confirm all above information was provided on the facility site map(s).

Attachment: [Click to enter text.](#)

Item 4. Facility/Site Information (Instructions, Page 90)

- a. Provide the area of impervious surface and the total area drained by each stormwater outfall requested for authorization by this permit application.

Impervious Surfaces

Outfall	Area of Impervious Surface (include units)	Total Area Drained (include units)

- b. Provide the following local area rainfall information and the source of the information.
Wettest month: [Click to enter text.](#)
Average rainfall for wettest month (total inches): [Click to enter text.](#)
25-year, 24-hour rainfall (inches): [Click to enter text.](#)
Source: [Click to enter text.](#)
- c. Attach an inventory, or list, of materials currently handled at the facility that may be exposed to precipitation. Attachment: [Click to enter text.](#)
- d. Attach narrative descriptions of the industrial processes and activities involving the materials in the above-listed inventory that occur outdoors or in some manner that may result in exposure of the materials to precipitation or runoff (see instructions for guidance). Attachment: [Click to enter text.](#)
- e. Describe any BMPs and controls the facility uses/proposes to prevent or effectively reduce pollution in stormwater discharges from the facility: [Click to enter text.](#)

Item 5. Pollutant Analysis (Instructions, Page 91)

- a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): [Click to enter text.](#)
- b. ☐ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- c. Complete Table 17 as directed on page 92 of the Instructions.

Table 17 for Outfall No.: [Click to enter text.](#)

Pollutant	Grab Sample* Maximum (mg/L)	Composite Sample** Maximum (mg/L)	Grab Sample* Average (mg/L)	Composite Sample** Average (mg/L)	Number of Storm Events Sampled	MAL (mg/L)
pH (standard units)	(max)	—	(min)	—		—
Total suspended solids						—
Chemical oxygen demand						—
Total organic carbon						—
Oil and grease						—
Arsenic, total						0.0005
Barium, total						0.003
Cadmium, total						0.001
Chromium, total						0.003
Chromium, trivalent						—
Chromium, hexavalent						0.003
Copper, total						0.002

Item 6. Storm Event Data (Instructions, Page 93)

Provide the following data for the storm event(s) which resulted in the maximum values for the analytical data submitted:

Date of storm event: [Click to enter text.](#)

Duration of storm event (minutes): [Click to enter text.](#)

Total rainfall during storm event (inches): [Click to enter text.](#)

Number of hours the between beginning of the storm measured and the end of the previous measurable storm event (hours): [Click to enter text.](#)

Maximum flow rate during rain event (gallons/minute): [Click to enter text.](#)

Total stormwater flow from rain event (gallons): [Click to enter text.](#)

Provide a description of the method of flow measurement or estimate:

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 8.0: AQUACULTURE

This worksheet is **required** for all TPDES permit applications requesting individual permit coverage for discharges of aquaculture wastewater.

Item 1. Facility/Site Information (Instructions, Page 94)

- a. Complete the following table with information regarding production ponds, raceways, and fabricated tanks at the facility.

Production Pond Descriptions

Number of Ponds	Dimensions (include units)	Area of Each Pond (include units)	Number of Ponds x Area of Ponds (include Units)

Total surface area of all ponds: [Click to enter text.](#)

Raceway Descriptions

Number of Raceways	Dimensions (include units)

Fabricated Tank Descriptions

Number of Tanks	Dimensions (include units)

b. Does the facility have a TPWD-approved emergency plan?

☐ Yes ☐ No

If yes, attach a copy of the approved plan.

Attachment: [Click to enter text.](#)

c. Does the facility have an aquatic plant transplant authorization?

☐ Yes ☐ No

If yes, attach a copy of the authorization letter.

Attachment: [Click to enter text.](#)

d. Provide the number of aquaculture facilities located within 25-miles of this facility: [Click to enter text.](#)

Item 2. Species Identification (Instructions, Page 95)

Complete the following table regarding each species raised, source, origin, and disease status of the stock. Identify and attach copies of any current relevant authorizations or permits that authorize the species.

Stock Species Information

Species	Source of Stock	Origin of Stock	Disease Status	Authorizations

Attachment: [Click to enter text.](#)

Item 3. Stock Management Plan (Instructions, Page 95)

Attach a detailed stock management plan: [Click to enter text.](#)

Item 4. Water Treatment and Discharge Description (Instructions, Page 96)

Attach a detailed description of the discharge practices and water treatment process(es): [Click to enter text.](#)

Item 5. Solid Waste Management (Instructions, Page 96)

Attach a description of the solid waste-disposal practices: [Click to enter text.](#)

Item 6. Site Assessment Report (Instructions, Page 96)

All new and expanding commercial shrimp facilities located/to be located within the coastal zone must attach a detailed site assessment report which identifies sensitive aquatic habitats within the coastal zone: [Click to enter text.](#)

WORKSHEET 9.0

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

CLASS V INJECTION WELL INVENTORY/AUTHORIZATION FORM

Submit the completed form to:

TCEQ
IUC Permits Team
Radioactive Materials Division
MC-233
PO Box 13087
Austin, Texas 78711-3087
512-239-6466

For TCEQ Use Only

Reg. No. _____

Date Received _____

Date Authorized _____

Item 1. General Information (Instructions Page 99)

1. TCEQ Program Area

Program Area (PST, VCP, IHW, etc.): Click to enter text.

Program ID: Click to enter text.

Contact Name: Click to enter text.

Phone Number: Click to enter text.

2. Agent/Consultant Contact Information

Contact Name: Click to enter text.

Address: Click to enter text.

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

Phone Number: Click to enter text.

3. Owner/Operator Contact Information

☐ Owner ☐ Operator

Owner/Operator Name: Click to enter text.

Contact Name: Click to enter text.

Address: Click to enter text.

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

Phone Number: Click to enter text.

4. Facility Contact Information

Facility Name: Click to enter text.

Address: Click to enter text.

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

Location description (if no address is available): Click to enter text.

Facility Contact Person: Click to enter text.

Phone Number: Click to enter text.

5. Latitude and Longitude, in degrees-minutes-seconds

Latitude: [Click to enter text.](#)

Longitude: [Click to enter text.](#)

Method of determination (GPS, TOPO, etc.): [Click to enter text.](#)

Attach topographic quadrangle map as attachment A.

6. Well Information

Type of Well Construction, select one:

- ☐ Vertical Injection
- ☐ Subsurface Fluid Distribution System
- ☐ Infiltration Gallery
- ☐ Temporary Injection Points
- ☐ Other, Specify: [Click to enter text.](#)

Number of Injection Wells: [Click to enter text.](#)

7. Purpose

Detailed Description regarding purpose of Injection System:

[Click to enter text.](#)

Attach a Site Map as Attachment B (Attach the Approved Remediation Plan, if appropriate.)

8. Water Well Driller/Installer

Water Well Driller/Installer Name: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone Number: [Click to enter text.](#)

License Number: [Click to enter text.](#)

Item 2. Proposed Down Hole Design

Attach a diagram signed and sealed by a licensed engineer as Attachment C.

Down Hole Design Table

Name of String	Size	Setting Depth	Sacks Cement/Grout – Slurry Volume – Top of Center	Hole Size	Weight (lbs/ft) PVC/Steel
Casing					
Tubing					
Screen					

Item 3. Proposed Trench System, Subsurface Fluid Distribution System, or Infiltration Gallery

Attach a diagram signed and sealed by a licensed engineer as Attachment D.

System(s) Dimensions: [Click to enter text.](#)

System(s) Construction: [Click to enter text.](#)

Item 4. Site Hydrogeological and Injection Zone Data

1. Name of Contaminated Aquifer: [Click to enter text.](#)

2. Receiving Formation Name of Injection Zone: [Click to enter text.](#)

3. Well/Trench Total Depth: [Click to enter text.](#)

4. Surface Elevation: [Click to enter text.](#)

5. Depth to Ground Water: [Click to enter text.](#)

6. Injection Zone Depth: [Click to enter text.](#)

7. Injection Zone vertically isolated geologically? ☐ Yes ☐ No

Impervious Strata between Injection Zone and nearest Underground Source of Drinking Water:

Name: [Click to enter text.](#)

Thickness: [Click to enter text.](#)

8. Attach a list of contaminants and the levels (ppm) in contaminated aquifer as Attachment E.

9. Attach the Horizontal and Vertical extent of contamination and injection plume as Attachment F.

10. Attach Formation (Injection Zone) Water Chemistry (Background levels) TDS, etc., as Attachment G.

11. Injection Fluid Chemistry in PPM at point of injection. Attach as Attachment H.

12. Lowest Known Depth of Ground Water with < 10,000 PPM TDS: [Click to enter text.](#)

13. Maximum injection Rate/Volume/Pressure: [Click to enter text.](#)

14. Water wells within 1/4 mile radius (attach map as Attachment I): [Click to enter text.](#)

15. Injection wells within 1/4 mile radius (attach map as Attachment J): [Click to enter text.](#)

16. Monitor wells within 1/4 mile radius (attach drillers logs and map as Attachment K): [Click to enter text.](#)

17. Sampling frequency: [Click to enter text.](#)

18. Known hazardous components in injection fluid: [Click to enter text.](#)

Item 5. Site History

1. Type of Facility: [Click to enter text.](#)
2. Contamination Dates: [Click to enter text.](#)
3. Original Contamination (VOCs, TPH, BTEX, etc.) and Concentrations. Attach as Attachment L.
4. Previous Remediation. Attach results of any previous remediation as Attachment M.

NOTE: Authorization Form should be completed in detail and authorization given by the TCEQ before construction, operation, and/or conversion can begin. Attach additional pages as necessary.

Item 6. CLASS V INJECTION WELL DESIGNATIONS

- 5A07 Heat Pump/AC return (IW used for groundwater to heat or cool buildings)
- 5A19 Industrial Cooling Water Return Flow (IW used to cool industrial process equipment)
- 5B22 Salt Water Intrusion Barrier (IW used to inject fluids to prevent the intrusion of salt water into an aquifer)
- 5D02 Stormwater Drainage (IW designed for the disposal of rain water)
- 5D04 Industrial Stormwater Drainage Wells (IW designed for the disposal of rain water associated with industrial facilities)
- 5F01 Agricultural Drainage (IW that receive agricultural runoff)
- 5R21 Aquifer Recharge (IW used to inject fluids to recharge an aquifer)
- 5S23 Subsidence Control Wells (IW used to control land subsidence caused by groundwater withdrawal)
- 5W09 Untreated Sewage
- 5W10 Large Capacity Cesspools (Cesspools that are designed for 5,000 gpd or greater)
- 5W11 Large Capacity Septic systems (Septic systems designed for 5,000 gpd or greater)
- 5W12 WTPP disposal
- 5W20 Industrial Process Waste-disposal Wells
- 5W31 Septic System (Well Disposal method)
- 5W32 Septic System Drainfield Disposal
- 5X13 Mine Backfill (IW used to control subsidence, dispose of mining byproducts, or fill sections of a mine)
- 5X25 Experimental Wells (Pilot Test) (IW used to test new technologies or tracer dye studies)
- 5X26 Aquifer Remediation (IW used to clean up, treat, or prevent contamination of a USDW)
- 5X27 Other Wells
- 5X28 Motor Vehicle Waste-disposal Wells (IW used to dispose of waste from a motor vehicle site - These are currently banned)
- 5X29 Abandoned Drinking Water Wells (waste disposal)

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 10.0: QUARRIES IN THE JOHN GRAVES SCENIC RIVERWAY

This worksheet is **required** for all applications for individual permits for a municipal solid waste facility or mining facility located within a Water Quality Protection Area in the John Graves Scenic Riverway. **Note: Review 30 TAC §§ 311.71-311.82 thoroughly prior to completing any portion of this worksheet.**

Item 1. Exclusions (Instructions, Page 100)

- a. Is this a municipal solid waste facility?
☐ Yes ☐ No
- b. Has this quarry been in operation since January 1, 1994 without cessation of operation for more than 30 consecutive days and under the same ownership?
☐ Yes ☐ No
- c. Is this a coal mine?
☐ Yes ☐ No
- d. Is this facility mining clay and/or shale for use in manufacturing structural clay products?
☐ Yes ☐ No

If **yes** to **any** above question, **stop here**. The facility is required to maintain documentation, as outlined in *30 TAC § 311.72(c)*, at the facility to demonstrate the exclusion(s).

Item 2. Location of the Quarry (Instructions, Page 101)

Check the box next to the distance between the quarry and the nearest navigable water body:

☐ < 200 feet ☐ 200 feet - 1,500 feet ☐ 1,500 feet - 1 mile ☐ > 1 mile

NOTE: The construction or operation of any new quarry or expansion of any existing quarry is **prohibited** within 200 feet of any water body located within a Water Quality Protection Area in the John Graves Scenic Riverway.

Item 3. Additional Requirements (Instructions, Page 101)

Use the table in the Instructions to determine if additional application requirements apply to the facility based on distance between the quarry and the nearest waterway. Attach as appropriate or enter N/A.

- a. Attach a Restoration Plan: Click to enter text.
- b. Amount of Financial Assurance for Restoration: \$ Click to enter text.
Mechanism: Click to enter text.
- c. Attach a Technical Demonstration: Click to enter text.
- d. Attach a Reclamation Plan: Click to enter text.
- e. Amount of Financial Assurance for Reclamation: \$ Click to enter text.
Mechanism: Click to enter text.

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 11.0: COOLING WATER SYSTEM INFORMATION

This worksheet is required for all TPDES permit applications that meet the conditions outlined in Technical Report 1.0, Item 12.

Item 1. Cooling Water System Data (Instructions, Page 104)

a. Complete the following table with information regarding the cooling water system.

Cooling Water System Data

Parameter	Volume (include units)
Total DIF	
Total AIF	
Intake Flow Use(s) (%)	
Contact cooling	
Non-contact cooling	
Process Wastewater	
Other	

b. Attach the following information:

1. A narrative description of the design and annual operation of the facility's cooling water system and its relationship to the CWIS(s).
2. A scaled map depicting the location of each CWIS, impoundment, intake pipe, and canals, pipes, or waterways used to convey cooling water to, or within, the cooling water system. Provide the latitude and longitude for each CWIS and any intake pipe(s) on the map. Indicate the position of the intake pipe within the water column.
3. A description of water reuse activities, if applicable, reductions in total water withdrawals, if applicable, and the proportion of the source waterbody withdrawn (on a monthly basis).
4. Design and engineering calculations prepared by a qualified professional and data to support the information provided in above item a.
5. Previous year (a minimum of 12 months) of AIF data.
6. A narrative description of existing or proposed impingement and entrainment technologies or operation measures and a summary of their performance, including, but not limited to, reductions in impingement mortality and entrainment due to intake location and reductions in total water withdrawals and usage.

Attachment: [Click to enter text.](#)

Item 2. Cooling Water Intake Structure(s) Data (Instructions, Page 105)

- a. Complete the following table with information regarding each cooling water intake structure (this includes primary and make-up CWIS(s)).

Cooling Water Intake Structure(s) Data

CWIS ID				
DIF (include units)				
AIF (include units)				
Intake Flow Use(s) (%)				
Contact cooling				
Non-contact cooling				
Process Wastewater				
Other				
Latitude (decimal degrees)				
Longitude (decimal degrees)				

- b. Attach the following information regarding the CWIS(s):
1. A narrative description of the configuration of each CWIS, annual and daily operation, including any seasonal changes, and where it is located in the water body and in the water column.
 2. Engineering calculations for each CWIS.

Attachment: [Click to enter text.](#)

Item 3. Source Water Physical Data (Instructions, Page 105)

- a. Complete the following table with information regarding the CWIS(s) source waterbody (this includes primary and make-up CWIS(s)).

Source Waterbody Data

CWIS ID				
Source Waterbody				
Mean Annual Flow				
Source				

- b. Attach the following information regarding the source waterbody.
1. A narrative description of the source water for each CWIS, including areal dimensions, depths, salinity and temperature regimes, and other documentation that supports this determination of the water body type where each cooling water intake structure is located.

2. A narrative description of the source waterbody's hydrological and geomorphological features.
3. Scaled drawings showing the physical configuration of all source water bodies used by the facility, including the source waterbody's hydrological and geomorphological features. **NOTE:** The source waterbody's hydrological and geomorphological features may be included on the map submitted for item 1.b.ii of this worksheet.
4. A description of the methods used to conduct any physical studies to determine the intake's area of influence within the waterbody and the results of such studies.

Attachment: [Click to enter text.](#)

Item 4. Operational Status (Instructions, Page 106)

- a. Is this application for a power production or steam generation facility?

☐ Yes ☐ No

If **no**, proceed to Item 4.b. If **yes**, provide the following information as an attachment:

1. Describe the operating status of each individual unit, including age, capacity utilization rate (or equivalent) for the previous five years (a minimum of 60 months), and any seasonal changes in operation.
2. Describe any extended or unusual outages or other factors which significantly affect current data for flow, impingement, entrainment.
3. Identify any operating unit with a capacity utilization rate of less than 8 percent averaged over a contiguous period of two years (a minimum of 24 months).
4. Describe any major upgrades completed within the last 15 years, including but not limited to boiler replacement, condenser replacement, turbine replacement, or changes of fuel type.

Attachment: [Click to enter text.](#)

- b. Process Units

1. Is this application for a facility which has process units that use cooling water (other than for power production or steam generation)?

☐ Yes ☐ No

If **no**, proceed to Item 4.c. If **yes**, continue.

2. Does the facility use or intend to use reductions in flow or changes in operations to meet the requirements of *40 CFR § 125.94(c)*?

☐ Yes ☐ No

If **no**, proceed to Item 4.c. If **yes**, attach descriptions of the following information:

- Individual production processes and product lines
- The operating status, including age of each line and seasonal operation
- Any extended or unusual outages that significantly affect current data for flow, impingement, entrainment, or other factors

- Any major upgrades completed within the last 15 years and plans or schedules for decommissioning or replacement of process units or production processes and product lines.

Attachment: [Click to enter text.](#)

c. Is this an application for a nuclear power production facility?

☐ Yes ☐ No

If **no**, proceed to Item 4.d. If **yes**, attach a description of completed, approved, or scheduled upgrades and the Nuclear Regulatory Commission relicensing status for each unit at the facility.

Attachment: [Click to enter text.](#)

d. Is this an application for a manufacturing facility?

☐ Yes ☐ No

If **no**, proceed to Worksheet 11.1. If **yes**, attach descriptions of current and future production schedules and any plans or schedules for any new units planned within the next five years (a minimum of 60 mos)

Attachment: [Click to enter text.](#)

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 11.1: IMPINGEMENT MORTALITY

This worksheet is required for all TPDES permit applications that meet the conditions outlined in Technical Report 1.0, Item 12. Complete one copy of this worksheet for each individual CWIS the facility uses or proposes to use.

CWIS ID: [Click to enter text.](#)

Item 1. Impingement Compliance Technology Selection (Instructions, Page 107)

Check the box next to the method of compliance for the Impingement Mortality Standard selected by the facility.

- ☐ Closed-cycle recirculating system(CCRS) [40 CFR § 125.94(c)(1)]
 - ☐ 0.5 ft/s Through-Screen Design Velocity [40 CFR § 125.94(c)(2)] - Proceed to Worksheet 11.2
 - ☐ 0.5 ft/s Through Screen Actual Velocity [40 CFR § 125.94(c)(3)]
 - ☐ Existing offshore velocity cap [40 CFR § 125.94(c)(4)] - Proceed to Worksheet 11.2
 - ☐ Modified traveling screens [40 CFR § 125.94(c)(5)]
 - ☐ System of technologies [40 CFR § 125.94(c)(6)]
 - ☐ Impingement mortality performance standard [40 CFR § 125.94(c)(7)]
 - ☐ De minimis rate of impingement [40 CFR § 125.94(c)(11)]
 - ☐ Low capacity utilization power-generation facilities [40 CFR § 125.94(c)(12)]
- If 0.5 ft/s Through-Screen Design Velocity [40 CFR § 125.94(c)(2)] or existing offshore velocity cap [40 CFR § 125.94(c)(4)] was selected, proceed to Worksheet 11.2. Otherwise, continue to Item 2.

Item 2. Impingement Compliance Technology Information (Instructions, Page 107)

Complete the following sections based on the selection made for item 1 above.

a. CCRS [40 CFR § 125.94(c)(1)]

- ☐ Check this box to confirm the CWS meets the definition of CCRS located at 40 CFR § 125.91(c) and provide a response to the following questions.

1. Does the facility use or propose to use a CWIS to replenish water losses to the CWS?

☐ Yes ☐ No

If **no**, proceed to item a.2. If **yes**, provide the following information as an attachment and continue.

- CWIS ID
- 12 months of intake flow data for any CWIS used for make-up intake flows to replenish cooling water losses, excluding intakes for losses due to blowdown, drift, or evaporation.

- A narrative description of any physical or operational measures taken to minimize make-up withdraws.

Attachment: [Click to enter text.](#)

NOTE: Do not complete a separate Worksheet 11.1 for a make-up CWIS.

2. Does the facility use or propose to use cooling towers?

☐ Yes ☐ No

If **no**, proceed to Worksheet 11.2. If **yes**, provide the following information and proceed to Worksheet 11.2.

- Average number of cycles of concentration (COCs) prior to blowdown:

Average COCs Prior to Blowdown

Cooling Tower ID				
COCs				

- Attach COC monitoring data for each cooling tower from the previous year (a minimum of 12 months): [Click to enter text.](#)
- Maximum number of COCs each cooling tower can accomplish based on design of the system.

Calculated COCs Prior to Blowdown

Cooling Tower ID				
COCs				

- Describe conditions that may limit the number of COCs prior to blowdown, if any, including but not limited to permit conditions: [Click to enter text.](#)

b. 0.5 ft/s Through Screen Actual Velocity [40 CFR § 125.94(c)(3)]

Provide daily intake flow measurement monitoring data from the previous year (a minimum of 12 months) as an attachment and proceed to Worksheet 11.2.

Attachment: [Click to enter text.](#)

c. Modified traveling screens [40 CFR § 125.94(c)(5)]

Provide the following information as an attachment and proceed to Worksheet 11.2.

1. A description of the modified traveling screens and associated equipment.
2. A site-specific impingement technology performance optimization study that includes a narrative description of the biological data collection methods
3. Biological sampling data from the previous two years (a minimum of 24 months).

Attachment: [Click to enter text.](#)

d. System of technologies [40 CFR § 125.94(c)(6)] or impingement mortality performance standard [40 CFR § 125.94(c)(7)]

Provide the following information as an attachment and proceed to Worksheet 11.2.

1. A description of the system of technologies used or proposed for use by the facility to

achieve compliance with the impingement mortality standard.

2. A site-specific impingement technology performance optimization study that includes a narrative description of the biological data collection methods.
3. Biological sampling data from the previous two years (a minimum of 24 months).

Attachment: [Click to enter text.](#)

e. De minimis rate of impingement [40 CFR § 125.94(c)(11)]

Provide the following information and proceed to Worksheet 11.2.

1. Attach monitoring data from the previous year (a minimum of 12 months) of intake flow measured at a frequency of 1/day on days of operation.

Attachment: [Click to enter text.](#)

2. If the rate of impingement caused by the CWIS is extremely low (at an organism or age-one equivalent count), attach supplemental information to Worksheet 11.0, item 1.b.6. to support this determination.

Attachment: [Click to enter text.](#)

f. Low capacity utilization power-generation facilities [40 CFR § 125.94(c)(12)]

Attach monthly utilization data from the previous 2 years (a minimum of 24 months) for each operating unit and proceed to Worksheet 11.2.

Attachment: [Click to enter text.](#)

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 11.2: SOURCE WATER BIOLOGICAL DATA

This worksheet is required for all TPDES permit applications that meet the conditions outlined in Technical Report 1.0, Item 12. Complete one copy of this worksheet for each source waterbody of a CWIS for which a facility has selected an Impingement Mortality Technology Option described at 40 CFR §§ 125.94(c)(1)-(7).

Name of source waterbody: [Click to enter text.](#)

Item 1. Species Management (Instructions, Page 109)

- a. The facility has obtained an incidental take permit for its cooling water intake structure(s) from the USFWS or the NMFS.

☐ Yes ☐ No

If yes, attach any information submitted in order to obtain that permit, which may be used to supplement the permit application information requirements of paragraph 40 CFR § 125.95(f).

Attachment: [Click to enter text.](#)

- b. Is the facility requesting a waiver from application requirements at 40 CFR § 122.21(r)(4) in accordance with 40 CFR § 125.95 for any CWIS(s) that withdraw from a man-made reservoir that is stocked and managed by a state or federal natural resources agency or the equivalent?

☐ Yes ☐ No

If yes, attach a copy of the most recent managed fisheries report to TPWD, or equivalent.

Attachment: [Click to enter text.](#)

- c. There are no federally listed threatened or endangered species or critical habitat designations within the source water body.

☐ True ☐ False

Item 2. Source Water Biological Data (Instructions, Page 109)

New Facilities (Phase I, Track I and II)

- Provide responses to all items in this section and stop.

Existing Facilities (Phase II)

- If the answer to 1.b. above was **no**, provide responses to all items in this section and proceed to Worksheet 11.3.
- If the answer to 1.b. was **yes** and 1.c. was **true**, do not complete any items in this section and proceed to Worksheet 11.3.
- If the answer to 1.b. was **yes** and 1.c. was **false**, attach a response for any item in this section that is not contained within the most recent TPWD, or equivalent and proceed to Worksheet 11.3.

Attachment: [Click to enter text.](#)

- a. A list of the data requested at *40 CFR § 122.21(r)(4)(ii)* through *(vi)* that are not available, and efforts made to identify sources of the data.
- b. Provide a list of species (or relevant taxa) in the vicinity of the CWIS and identify the following information regarding each species listed.
 - all life stages and their relative abundance,
 - identification of all species and life stages that would be most susceptible to impingement and entrainment,
 - forage base,
 - significance to commercial fisheries,
 - significance to recreational fisheries,
 - primary period of reproduction,
 - larval recruitment, and
 - period of peak abundance for relevant taxa.
- c. Data representative of the seasonal and daily activities (e.g., feeding and water column migration) of biological organisms in the vicinity of the CWIS(s).
- d. Identify all threatened, endangered, and other protected species that might be susceptible to impingement and entrainment at the CWIS(s).
- e. Documentation of any public participation or consultation with federal or state agencies undertaken.

The following is required for existing facilities only. Include the following information with the above listed attachment.

- f. Identify any protective measures and stabilization activities that have been implemented and provide a description of how these measures and activities affected the baseline water condition in the vicinity of the intake.
- g. A list of fragile species, as defined at *40 CFR § 125.92(m)*, at the facility. The applicant need only identify those species not already identified as fragile at *40 CFR § 125.92(m)*.

NOTE: New units at an existing facility are not required to resubmit this information if the cooling water withdrawals for the operation of the new unit are from an existing intake.

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 11.3: ENTRAINMENT

This worksheet is **required** for all TPDES permit applications that **meet the conditions outlined in Technical Report 1.0, Item 12**. Complete one copy of this worksheet for each individual CWIS the facility uses or proposes to use.

CWIS ID: [Click to enter text.](#)

Item 1. Applicability (Instructions, Page 111)

Is the AIF of the CWIS identified above greater than, or equal to, 125 MGD?

☐ Yes ☐ No

- If **no** or the facility has selected CCRS [40 CFR § 125.94(c)(1)] for the impingement mortality compliance method, complete Item 2 and stop here.
- If **yes** and the facility is **seeking a waiver** from application requirements in accordance with 40 CFR § 125.95 for any CWIS(s) that withdraw from a man-made reservoir that is stocked and managed by a state or federal natural resources agency or the equivalent, complete item 2 and stop.
- If **yes** and the facility is **not seeking a waiver** from application requirements in accordance with 40 CFR § 125.95, complete item 2 and provide any required and completed studies listed in item 3. For any required studies in item 3 that are not complete, provide a detailed explanation for the delay and an anticipated schedule for completion and submittal.

Item 2. Existing Entrainment Performance Studies (Instructions, Page 111)

Attach any previously conducted studies or studies obtained from other facilities addressing technology efficacy, through-facility entrainment survival, and other entrainment studies.

Attachment: [Click to enter text.](#)

Item 3. Facility Entrainment Performance Studies (Instructions, Page 111)

- Attach an entrainment characterization study, as described at 40 CFR § 122.21(r)(9): [Click to enter text.](#)
- Attach a comprehensive feasibility study, as described as 40 CFR § 122.21(r)(10): [Click to enter text.](#)
- Attach a benefits valuation study, as described as 40 CFR § 122.21(r)(11): [Click to enter text.](#)
- Attach a non-water quality environmental and other impacts study, as described as 40 CFR § 122.21(r)(12): [Click to enter text.](#)
- Attach a peer review analysis, as described as 40 CFR § 122.21(r)(13): [Click to enter text.](#)

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 12.0: OIL AND GAS EXPLORATION, DEVELOPMENT, AND PRODUCTION WASTEWATER DISCHARGES

This worksheet is **required** for all TPDES permit applications that are subject to Effluent Limitation Guidelines in 40 CFR Part 435.

Item 1. Operational Information (Instructions, Page 112)

- a. Is the wastewater from an oil and gas exploration, development, or production facility located west of the 98th meridian?

☐

Yes

☐

No

If yes, continue to the next question. If no, skip to Item 2 relating to Production/Process Data.

- b. Provide justification for how the wastewater is/will be used for agriculture or wildlife propagation.

[Click to enter text.](#)

Item 2. Production/Process Data (Instructions, Page 112)

- a. Provide the applicable 40 CFR Part 435 Subpart(s).

[Click to enter text.](#)

- b. Describe if the permit being sought is for discharges from exploration, development, production, or for a combination of more than one of those activities.

[Click to enter text.](#)

- c. Provide information on all waste-streams generated and specify which waste-streams you are requesting to be authorized for discharge.

Wastestreams Generated

Wastestream	Requesting authorization to discharge? (Yes/No)	Volume (MGD)	% of Total Flow

- d. Describe how the facility will manage wastestreams for which discharge authorization is not being sought.

Click to enter text.

Attachment: Click to enter text.

- e. Provide information on miscellaneous discharges.

Click to enter text.

Attachment: Click to enter text.

- f. List of chemicals that are in use, or will be used, downhole. Provide the category, concentration used/to be used, and purpose of using the chemical. Attach a safety data sheet for each chemical listed.

Chemicals List

Category	Chemical Name	Concentration (include units)	Purpose

Attachment: [Click to enter text.](#)

- g. List of chemicals that are in use, or will be used, to treat the wastewater to be discharged under this authorization. Provide the concentration used/to be used and purpose of using the chemical. Attach a safety data sheet for each chemical listed.

Water Treatment Chemicals List

Category	Chemical Name	Concentration (include units)	Purpose

Attachment: [Click to enter text.](#)

Item 3. Pollutant Analysis (Instructions, Page 113)

Tables 1, 2, 6, and 7 located in Worksheet 2.0 are required. In addition, Table 19 below is required and must be completed for each outfall and submitted with this application. The remaining tables in Worksheet 2.0, are required as applicable.

- a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): [Click to enter text.](#)
- b. ☐ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- c. Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm. Attachment: [Click to enter text.](#)
- d. Attach correspondence from TCEQ approving submittal of less than the required number of samples, if applicable. Attachment: [Click to enter text.](#)

Table 19 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (mg/L)*	Sample 2 (mg/L)*	Sample 3 (mg/L)*	Sample 4 (mg/L)*
Calcium				
Potassium				
Sodium				

*Indicate units if different from mg/L.

List of Attachments

Attachment 1- Epay Voucher
Attachment 2- Core Data Form
Attachment 3- Plain Language Summary
Attachment 4(a)- USGS Drawing
Attachment 4(b)- USGS Quad
Attachment 4(c)- General Location Map
Attachment 4(d)- Facility Drawing
Attachment 4(e)- Facility Drawing- Wells
Attachment 5- SPIF
Attachment 6- Process Descriptions
Attachment 7- Water Balance
Attachment 8- SDS Summaries
Attachment 8(a)- CL5641 SDS
Attachment 8(b)- CL8741 SDS
Attachment 8(c)- CL1370 SDS
Attachment 8(d)- CL2632 SDS
Attachment 8(e)- CL4132 SDS
Attachment 8(f)- PG906 SDS
Attachment 8(g)- P831E SDS
Attachment 8(h)- P891L SDS
Attachment 8(i)- FO222 SDS
Attachment 8(j)- CL6033 SDS
Attachment 9- Lab NELAC Certification
Attachment 10(a)- Weel 1 Analyticals
Attachment 10(b)- Weel 2 Analyticals
Attachment 10(c)- Weel 3 Analyticals
Attachment 10(d)- Weel 4 Analyticals
Attachment 10(e)- Week 1 Chromium
Attachment 10(f)- Week 2 Chromium
Attachment 10(g)- Week 3 Chromium
Attachment 10(h)- Week 4 Chromium

Attachment 1

Epay Voucher



Customer Information

[Edit](#)**Address**

TROY PENSHORN
29626 Sierra Copper
Bulverde, TX 78163

Phone Number

830-499-3117

Country

United States

Email Address

Payment Information

[Edit](#)**Credit Card**

Visa ****7318
Exp. 03/2027

Name on Credit Card

Troy Peshorn

Verification



I'm not a robot

[Cancel](#)[Submit Payment](#)

Transaction Summary

TCEQ ePayment \$2,060.59

Texas.gov Price  **\$2,060.59**

Need Help?

Review payment information. You may edit Billing and Payment Method here if needed. When complete, select Make Payment. You will receive a printable receipt at the end of your successful payment transaction.



Your transaction is complete. Thank you for using TCEQ ePay.

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt and the vouchers for your records. An email receipt has also been sent.

Transaction Information

Trace Number: 582EA000622321
Date: 08/20/2024 12:10 PM
Payment Method: CC - Authorization 0000020152
ePay Actor: TROY PENSCHORN
Actor Email: troy.penschorn@cmc.com
IP: 161.69.57.15
TCEQ Amount: \$2,015.00
Texas.gov Price: \$2,060.59*

* This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.

Payment Contact Information

Name: TROY PENSCHORN
Company: CMC STEEL TEXAS
Address: 1 STEEL MILL DRIVE, SEGUIN, TX 78155
Phone: 830-499-3117

Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
718040	WW PERMIT - MAJOR INDUSTRIAL FACILITY - RENEWAL		\$2,000.00
718041	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE		\$15.00
TCEQ Amount:			\$2,015.00

[ePay Again](#) [Exit ePay](#)

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt for your records.

Regards,

Troy Penschorn, M.A., M.S. (Env. Eng.), REP

Environmental Manager

office: 830.372.8537 mobile: 830-499-3117 fax: 830.372.8502

COMMERCIAL METALS COMPANY

CMC Steel Texas

1 Steel Mill Drive | Seguin, TX 78155

[cmc.com](#)



Attachment 2

Core Data Form



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.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> 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 600129001		RN 102413689

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership				
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)				
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>				
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)			<i>If new Customer, enter previous Customer below:</i>	
Structural Metals, Inc.				
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID	10. DUNS Number (if applicable)	
42590700	17421952346	(9 digits) 7421952346	00-811-94	
11. Type of Customer:	<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
12. Number of Employees		13. Independently Owned and Operated?		
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input checked="" type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following				
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:				
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant				
15. Mailing Address:	PO Box 911			
	City	State	TX	ZIP
	Seguin			78156
16. Country Mailing Information (if outside USA)			17. E-Mail Address (if applicable)	
			Troy.Penshorn@cmc.com	

18. Telephone Number (830) 499-3117	19. Extension or Code	20. Fax Number (if applicable) () -
---	------------------------------	--

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.) <input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information							
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>							
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.) Structural Metals							
23. Street Address of the Regulated Entity: (No PO Boxes)	1 Steel Mill Drive						
	City	Seguin	State		ZIP	78155	ZIP + 4
24. County							

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

25. Description to Physical Location:							
26. Nearest City					State	Nearest ZIP Code	
Seguin					TX	78155	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>							
27. Latitude (N) In Decimal:		29.576		28. Longitude (W) In Decimal:		98.033	
Degrees	Minutes	Seconds		Degrees	Minutes	Seconds	
29	34	32		98	01	57	
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)		
3312	3449		331111		332312		
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.) Electric Arc Furnace Steel Production							
34. Mailing Address:	1 Steel Mill Drive						
	City	Seguin	State	TX	ZIP	78155	ZIP + 4
35. E-Mail Address:	Troy.Penshorn@cmc.com						
36. Telephone Number	37. Extension or Code		38. Fax Number (if applicable)				
(830) 499-3117			() -				

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

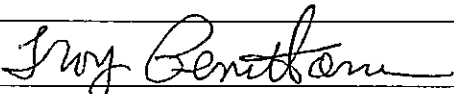
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input checked="" type="checkbox"/> Emissions Inventory Air	<input checked="" type="checkbox"/> Industrial Hazardous Waste
			PSD-TX-708M5	31533
<input type="checkbox"/> Municipal Solid Waste	<input checked="" type="checkbox"/> New Source Review Air	<input checked="" type="checkbox"/> OSSF	<input checked="" type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
	PSD-TX-708M5	14197	0020531	
<input type="checkbox"/> Sludge	<input checked="" type="checkbox"/> Storm Water	<input checked="" type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
	TXR05DA08	01316		
<input checked="" type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input checked="" type="checkbox"/> Water Rights	<input checked="" type="checkbox"/> Other: Water Reuse
31533	WQ0001712		3837-400	2E0000001

SECTION IV: Preparer Information

40. Name:	Troy Penshorn		41. Title:	Environmental Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(830) 499-3117		() -	Troy.Penshorn@cmc.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:	Commercial Metals Company	Job Title:	Environmental Manager
Name (In Print):	Troy Penshorn	Phone:	1830 - 499-3117
Signature:		Date:	8/20/2024

Attachment 3

Plain Language Summary



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS Enter 'INDUSTRIAL' or 'DOMESTIC' here WASTEWATER/STORMWATER

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

Structural Metals Inc. (CN600129001) operates Structural Metal (RN102413689), an electric arc furnace steel manufacturing plant employing approximately 650 employees. The facility is located at 1 Steel Mill Drive, in Seguin, Guadalupe County, Texas 78155. This application seeks to renew Permit Number WQ0001712000 in order to support the facility's continued production of steel through the electric arc furnace process. There are several important uses for water which either directly, or indirectly, support steel production to include: filtration and water softening, the caster mold noncontact cooling water system, melt noncontact cooling water system, the caster spray system, mill noncontact cooling water system, mill contact cooling water system, and the surge pond system. As a consequence of these various systems, the generation of industrial process wastewater comprises 88% (105,000 GPD) of total contributing flow, whereas domestic wastewater contributes 13% (15,000 GPD). The current permit limits final treated effluent volumes to a daily average of 0.120 MGD, and a daily maximum of 0.180 MGD. No changes are sought in this permit application.

Discharges from the facility are expected to contain low levels of the following in treated effluent: BOD-5, Total Suspended Solids, Oil and Grease, Chlorides, Sulfates, Copper, Chromium, Zinc, Lead and Cadmium. Sanitary wastewater is treated by a package plant to address these flows, and a Surge Pond which facilitates particulate sedimentation is a source of industrial water reuse.

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

AGUAS RESIDUALES Introduzca 'INDUSTRIALES' o 'DOMESTICAS' aquí /AGUAS PLUVIALES

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

1. Introduzca el nombre del solicitante aquí (CN600129001) 3. Elija del menú desplegable 4. Introduzca el nombre de la instalación aquí RN102413689, 6. Elija del menú desplegable 7. Introduzca la descripción de la instalación aquí. La instalación 8. Elija del menú desplegable ubicada en 9. Introduzca la ubicación aquí, en 10. Introduzca el nombre de la ciudad aquí, Condado de 11. Introduzca el nombre del condado aquí, Texas 12. Introduzca el código postal aquí. 13. Introduzca el resumen de la petición de solicitud aquí.

Se espera que las descargas de la instalación contengan 14. Liste todos los contaminantes esperados aquí. 15. Introduzca los tipos de aguas residuales descargadas aquí. 16. Elija del menú desplegable tratado por 17. Introduzca una descripción del tratamiento de aguas residuales utilizado en la instalación aquí.

INSTRUCTIONS

1. Enter the name of applicant in this section. The applicant name should match the name associated with the customer number.
2. Enter the Customer Number in this section. Each Individual or Organization is issued a unique 11-digit identification number called a CN (e.g. CN123456789).
3. Choose “operates” in this section for existing facility applications or choose “proposes to operate” for new facility applications.
4. Enter the name of the facility in this section. The facility name should match the name associated with the regulated entity number.
5. Enter the Regulated Entity number in this section. Each site location is issued a unique 11-digit identification number called an RN (e.g. RN123456789).
6. Choose the appropriate article (a or an) to complete the sentence.
7. Enter a description of the facility in this section. For example: steam electric generating facility, nitrogenous fertilizer manufacturing facility, etc.
8. Choose “is” for an existing facility or “will be” for a new facility.
9. Enter the location of the facility in this section.
10. Enter the City nearest the facility in this section.
11. Enter the County nearest the facility in this section.
12. Enter the zip code for the facility address in this section.
13. Enter a summary of the application request in this section. For example: renewal to discharge 25,000 gallons per day of treated domestic wastewater, new application to discharge process wastewater and stormwater on an intermittent and flow-variable basis, or major amendment to reduce monitoring frequency for pH, etc. If more than one outfall is included in the application, provide applicable information for each individual outfall.
14. List all pollutants expected in the discharge from this facility in this section. If applicable, refer to the pollutants from any federal numeric effluent limitations that apply to your facility.
15. Enter the discharge types from your facility in this section (e.g., stormwater, process wastewater, once through cooling water, etc.)
16. Choose the appropriate verb tense to complete the sentence.
17. Enter a description of the wastewater treatment used at your facility. Include a description of each process, starting with initial treatment and finishing with the outfall/point of disposal. Use additional lines for individual discharge types if necessary.

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.

Example

Individual Industrial Wastewater Application

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC 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.

ABC Corporation (CN6000000000) operates the Starr Power Station (RN10000000000), a two-unit gas-fired electric generating facility. Unit 1 has a generating capacity of 393 megawatts (MWs) and Unit 2 has a generating capacity of 528 MWs. The facility is located at 1356 Starr Street, near the City of Austin, Travis County, Texas 78753.

This application is for a renewal to discharge 870,000,000 gallons per day of once through cooling water, auxiliary cooling water, and also authorizes the following waste streams monitored inside the facility (internal outfalls) before it is mixed with the other wastewaters authorized for discharge via main Outfall 001, referred to as "previously monitored effluents" (low-volume wastewater, metal-cleaning waste, and stormwater (from diked oil storage area yards and storm drains)) via Outfall 001. Low-volume waste sources, metal-cleaning waste, and stormwater drains on a continuous and flow-variable basis via internal Outfall 101.

The discharge of once through cooling water via Outfall 001 and low-volume waste and metal-cleaning waste via Outfall 101 from this facility is subject to federal effluent limitation guidelines at 40 CFR Part 423. The pollutants expected from these discharges based on 40 CFR Part 423 are: free available chlorine, total residual chlorine, total suspended solids, oil and grease, total iron, total copper, and pH. Temperature is also expected from these discharges. Additional potential pollutants are included in the Industrial Wastewater Application Technical Report, Worksheet 2.0.

Cooling water and boiler make-up water are supplied by Lake Starr Reservoir. The City of Austin municipal water plant (CN6000000000, PWS 00000) supplies the facility's potable water and serves as an alternate source of boiler make-up water. Water from the Lake Starr Reservoir is withdrawn at the intake structure and treated with sodium hypochlorite to prevent biofouling and sodium bromide as a chlorine enhancer to improve efficacy and then passed through condensers and auxiliary equipment on a once-through basis to cool equipment and condense exhaust steam.

Low-volume wastewater from blowdown of boiler Units 1 and 2 and metal-cleaning wastes receive no treatment prior to discharge via Outfall 101. Plant floor and equipment drains and stormwater runoff from diked oil storage areas, yards, and storm drains are routed through an oil and water separator prior to discharge via Outfall 101. Domestic wastewater, blowdown, and backwash water from the service water filter, clarifier, and sand filter are routed to the Starr Creek Domestic Sewage Treatment Plant, TPDES Permit No. WQ0010000001, for treatment and disposal. Metal-cleaning waste from equipment cleaning is generally disposed of off-site.

Attachment 4(a)
USGS Drawing

Attachment 4(b)

USGS Quad

Attachment 4(c)
General Location Map

Attachment 4(d)

Facility Drawing

Attachment 4(e)
Facility Drawing-Wells

Attachment 5

SPIF

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: Structural Metals, Inc. dba CMC Steel Texas

Permit No. WQ00 01712000

EPA ID No. TX 00083178

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

CMC Steel Texas is located at: 1 Steel Mill Drive, Seguin, Texas 78155. This facility is easily accessible from I.H. 10 as this major thoroughfare passes through Seguin, Texas. Several maps have been included with this application, as well as latitude and longitude coordinates, which can be utilized to locate CMC Steel Texas.

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: Troy Penshorn

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

Title: Environmental Manager

Mailing Address: 1 Steel Mill Drive

City, State, Zip Code: Seguin, Texas, 78155

Phone No.: 830-499-3117 Ext.: Fax No.:

E-mail Address: Troy.Penshorn@cmc.com

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

N/A

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

The water is discharged via a solid pipe to the Guadalupe River, Segment No.: 1804.

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

N/A

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

N/A

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

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

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

Attachment 6

Process Descriptions

Attachment 6

Structural Metals, Inc. dba CMC Steel Texas

Process Description

Type of Facility and Industrial Activity at the Plant

Structural Metals, Inc. (SMI-Texas) is a structural steel minimill which produces carbon steel and steel alloy products from recycled scrap steel for a wide range of customers involved with manufacturing, construction, oil and gas, ranching and farming, and transportation uses. SMI-Texas is a major recycler of scrap ferrous metal, and has been in operation for over 50 years at its Guadalupe County location near Seguin, Texas.

The plant site is located adjacent to the Guadalupe River in Segment 1804 of the Guadalupe River Basin. Industrial operations are carried out on approximately 160 acres of a much larger tract owned by SMI-Texas.

SMI-Texas is subject to the effluent limitations found in 40 CFR Part 420: Iron and Steel Manufacturing Point Source Category. Applicable operations include electric arc furnace steelmaking, continuous casting, and hot forming subcategories. The principal SIC code is 3312 (steel manufacturing) with two additional related SIC codes which include SIC 3449 (metal fabrication) and SIC 5093 (scrap metal recycling).

Manufacturing at SMI-Texas includes industrial operations associated with the Yard, which manages the input of raw materials and shipments of finished goods, the Melt Shop, Rolling Mill, Finishing Departments, and Trucking. Raw materials inputs include recycled scrap metal, iron, lime, coal, coke, natural gas, and steel alloys. Finished goods include, but are not limited to, steel billets, rebar, angles, channels, flats, smooth rounds, squares, fence posts, and rail anchor. The product mix varies with the demand for steel products by SMI-Texas' customers. Production also varies depending on economic conditions.

In addition to steel products, SMI-Texas produces two co-products, mill scale and steel slag. Mill scale is an iron oxide that is produced by the rolling mill descaling operation. Descaling is used during the production of some steel products. Mill scale is a commodity, which is sold to cement producers, which use the material as an ingredient in cement. Steel slag is the nonhazardous rock like material produced during melting operations. Steel slag is used for a variety of recognized end uses including as an ingredient in cement production and for construction applications.

Scrap commodities used at the facility include shredded steel, mixed #1 and #2, machine turnings, bundles, #1 heavy melting, and reclaimed scrap. In addition, SMI-Texas also may supplement its scrap charges with reduced iron commodities such as pig iron.

Melting occurs in a 21-ft. diameter Fuchs electric arc furnace (EAF). The furnace roof and sidewalls and its related off-gas ductwork, oxygen lances, electrical devices, electrode cables, electrode holders, and other miscellaneous process equipment heat exchangers are water cooled by noncontact cooling water. The graphite electrodes are cooled by contact cooling water sprays from recycled water from the Surge Pond.

Attachment 6

Structural Metals, Inc. dba CMC Steel Texas

Process Description

Electrode cooling water supplied from the Surge Pond is also used for the water sprays used to cool hot slag.

Final metallurgical refining occurs at the Ladle Metallurgical Station (LMS). Noncontact cooling water from the melt noncontact cooling water system is used at the LMS off-gas ductwork, electrode cables, electrode holders, and miscellaneous process heat exchangers. The graphite LMS electrodes are also cooled by contact cooling water sprays.

Additional process water use during steel melting occurs at the continuous caster. The continuous caster converts hot metal steel to solid steel rectangular billets, which may be either directed to the rolling mill for production of rolled products or directed to customers who purchase the billets for the manufacture of other steel products. The caster uses both noncontact and contact cooling water in its operation. High quality noncontact cooling water is supplied to the mold heat exchangers to remove the heat from the molten steel that flows through the caster mold. The caster mold water supply is the most critical to the steel production process with respect to water quality. In addition to the mold noncontact cooling water system, additional noncontact cooling water is supplied to the billet cooling bed heat exchangers for cooling of the mechanical equipment. Contact cooling water is supplied to the caster sprays that spray water on the hot billet as it exits the caster. Blowdown from the caster contact cooling water system is directed to the Mill basin, where it is used for contact cooling water in the rolling mill process.

SMI-Texas produces hot rolled steel bar products in its in-line rolling mill. Process water supplied to the rolling mill process includes both contact and noncontact cooling water. Noncontact cooling water is used to cool equipment at the rolling mill reheat furnace, mill hydraulic systems, and equipment at the cooling bed. Contact cooling water is supplied to the water sprays, which cool the mill rollers and related equipment. Additional contact water is also used in the rolling mill descaling operation. The descaling operation uses a high-pressure stream of recycled water from the Surge Pond to remove the iron oxide layer, which is called mill scale, from the outer surface of hot billets exiting the rolling mill reheat furnace prior to hot rolling. The Rolling Mill process water is blown down to the Surge Pond to control the concentration of dissolved solids in the system.

An additional point of water use occurs at the SMI-Texas Garage. The Garage is responsible for maintaining the company owned truck fleet, which distributes the products produced at the plant to customers. The Garage also maintains the company Garage area washes bays during vehicle and equipment washing. Washwater from vehicle and equipment washing is piped to the Mill Basin where it is used in the rolling mill contact cooling water system.

Attachment 6

Structural Metals, Inc. dba CMC Steel Texas

Process Description

Description of the Process or Treatment System Used at the Facility

The water system at SMI-Texas includes the industrial process water system, the sanitary wastewater systems used at the plant, and the process area stormwater systems. Each of these systems is described in greater detail in the following sections of this report.

Industrial Process Water System. The industrial process water system at SMI-Texas includes water used in the steel production operations and washwater from equipment maintenance. Water conservation is of primary importance at SMI-Texas and every available opportunity is taken to use water within the steel production system consistent with the quality requirements of each operation at the point of use. SMI-Texas operates its industrial water system used in its steel making process in a cascading fashion, with the most critical uses demanding the highest quality water being supplied from incoming water treated to meet quality criteria. Blowdown from the operations demanding high quality water is directed to a less critical point of use. Final blowdown from the industrial process water system is necessary to control the concentration of dissolved solids; therefore, there must be either a discharge or a final consumptive use of the blowdown stream. SMI presently uses part of its industrial water system blowdown for a number of consumptive uses in the steel making process and discharges the excess blowdown to the Guadalupe River as industrial wastewater effluent.

The industrial water system at SMI-Texas includes the following operations and components:

1. Filtration and Water Softening
2. Caster Mold Noncontact Cooling Water System;
3. Melt Noncontact Cooling Water System;
4. Caster Spray System;
5. Mill Noncontact Cooling Water System;
6. Mill Contact Cooling Water System; and
7. Surge Pond System.

Each of the above noted systems is described in greater detail in the section that follows. With exception of the Surge Pond, none of the above noted operations or units is a wastewater treatment operation. Figure 12, which is included in Attachment D, presents a schematic drawing of the SMI-Texas water system, which depicts the major operations and points of use. Figures 1-11, also included in Attachment D, present a block diagram that depicts the water flow within each industrial water system.

Filtration and Water Softening. River water for uses that demand high quality water is filtered to remove suspended solids and is softened to prevent scaling in process equipment from calcium and magnesium hardness. Filtered and softened water is supplied to the mold, melt, and mill noncontact systems, as well as to miscellaneous uses such as air conditioning systems.

Attachment 6

Structural Metals, Inc. dba CMC Steel Texas

Process Description

Softeners are regenerated with a concentrated brine backwash. Brine regenerate waste is temporarily stored in an above ground tank prior to off site transport and disposal at an authorized waste disposal facility.

Caster Mold Cooling System. The caster mold noncontact cooling water system is the most critical industrial operation in terms of water quality at SMI-Texas. Incoming make up water to the system may be either filtered and softened river water or potable water from the Springs Hill Water Supply Corporation, which is also softened prior to use. Brine waste that is produced from softener regeneration is collected and temporarily stored prior to shipment off site for disposal at an authorized waste disposal facility.

The cooling water within this system is treated with a water based corrosion and deposit control inhibitor. Make up water is estimated to average 3300 gpd on an annual average and is limited only to that needed to replenish the system losses or to flush the system during maintenance activities. Water that is drained from the mold noncontact water system enters the caster spray basin system where it is used as make up water for contact cooling water for the continuous caster.

Waste heat from the mold water system is transferred to the ambient surroundings by the mold cooling towers. The cooling water make up to the cooling towers is unfiltered river water, which is treated with a hypochlorite solution to control biological growth. Sulfuric acid and a water based corrosion and deposit control agent are also used in the system. Blow down from the mold cooling towers is directed to the melt water system where it is used as noncontact cooling water.

Melt Cooling System. The melt cooling system includes the melt basin, which is a reinforced concrete basin with a capacity of approximately 144,000 gallons. The melt basin system supplies noncontact cooling water to the EAF and LMS components and to the reheat furnace in the rolling mill. A separate closed noncontact cooling water system supplies high quality noncontact cooling water to the EAF and LMS electrical equipment. Incoming water to the melt basin system is supplied from the river (170,000 gpd), mold cooling tower blowdown (20,000 gpd), and from the melt electrical system cooling water, which is drained infrequently during maintenance.

Evaporative losses from the melt cooling water system, which average approximately 133,000 gpd, cause an increase in the dissolved solids concentration. The system is blown down to the caster spray system to control the dissolved solids concentration.

Water treatment chemicals used in the melt cooling water system include sulfuric acid, a sodium hypochlorite solution, and a corrosion inhibitor, deposit control agent.

Caster Spray System. The caster spray system receives blowdown from the melt cooling water system, the LMS evaporative cooler, and an additional 149,000 gpd of

Attachment 6

Structural Metals, Inc. dba CMC Steel Texas

Process Description

make up water from the river. The system, which was modified during 1997, employs continuous caster and contact cooling water to cool equipment that is in contact with the hot steel. Water from the caster system is collected in a 30,000-gallon reinforced concrete tank and pumped to pressure media filters. Following filtration, the filtered caster spray water is circulated through a cooling tower prior to return to the caster sprays for use as recirculated cooling water.

Evaporative losses result in increases in the dissolved solids concentration in the caster spray system. The system is blown down to the mill contact cooling water system to control the dissolved solids concentration. In addition to the blow down stream, filter backwash from the pressure filters is also directed to the mill contact cooling water system.

Water treatment chemicals used in the caster spray system include a hypochlorite solution for microbiological control, a deposit and corrosion control agent, and flocculant aid to control turbidity.

Mill Water System. The mill water system includes a noncontact cooling water system, a contact cooling water system, and a contact system for product quality (billet descaling). Water to the mill system includes filtered and softened river water, recycled contact cooling water from the caster spray system blowdown, wash water from the SMI garage, and first flush stormwater drainage.

The mill water system includes a noncontact cooling water system, which is used to cool the billet cooling bed hydraulic system and the hydraulic systems on the rolling mill stands. Noncontact cooling water is filtered and softened water, which has been treated with a deposit and corrosion control agent. Some noncontact cooling water makeup is necessary to replenish water lost from the system as a result of leaks or system losses resulting from maintenance to the system.

The mill contact cooling water system includes two basins, the mill scale pit and the mill basin. The primary function of the two basins, which are connected in series, is to remove mill scale from the recirculated contact cooling water stream. The first basin in series, the mill scale pit, is a 44,000-gallon reinforced concrete basin, which receives the return flow of contact cooling water from the rolling mill, and provides the initial mill scale removal. The mill scale pit is equipped with an automatically controlled clamshell bucket, which removes the mill scale that accumulates on the bottom of the basin. Following detention in the mill scale pit, the contact cooling water is returned to the mill basin, a reinforced concrete basin, which is the second of the two basins in series. The mill basin provides additional mill scale removal prior to recirculation of the contact cooling water to the rolling mill process. Temperature control is provided by sprays and a countercurrent side draft cooling tower.

Attachment 6

Structural Metals, Inc. dba CMC Steel Texas

Process Description

Mill scale, which is iron oxide formed during the reheating process, is collected and sold to cement manufacturers, which use it as an ingredient in the manufacture of some types of cement.

Dissolved solids control to prevent corrosion within the rolling mill system is provided by blowing down the system to the Surge Pond. Contact cooling water in the rolling mill process is treated with a flocculant to enhance mill scale settling. In addition to deposit and corrosion control agents used in the noncontact system, sulfuric acid and a hypochlorite solution are used to treat cooling water that is used in the mill noncontact cooling tower.

Surge Pond System. The Surge Pond is a 500,000-gallon lined surface impoundment, which receives the process cooling water blowdown, and treated sanitary wastewater effluent from the plant domestic wastewater system. An additional 6,000 gpd of cooling water blow down is also discharged from the on site oxygen plant, which is operated by BOC Gases under contract with SMI-Texas. The Surge Pond provides flow equalization, clarification, and stabilization of the plant effluent prior to discharge to the Guadalupe River. It also functions as a process water supply reservoir to several additional plant operations.

The Surge Pond was constructed with a double synthetic liner system. The secondary liner is a 40 mil PVC liner, which is overlain by a drainage collection layer and is designed to collect leaks from the system and direct the flow to a sump for return. The primary liner is a 40-mil Hypalon liner, which is in contact with the water. Appendix B presents a topographic map showing the location of water supply wells within a radius of one mile from the Surge Pond. None of these wells would be impacted if seepage from the Surge Pond occurred.

Water from the Surge Pond is returned for use in the rolling mill descalers, for contact cooling of the EAF and LMS electrodes, and for steel slag quenching. To prevent overtopping of the structure, effluent is discharged to the river to control the water level within the Surge Pond. Discharges average 92,000 gpd. Typically, discharges are made on approximately 300 calendar days during the year. Effluent discharged to the river is pumped from the Surge Pond to Outfall 001, which is a submerged diffuser that is designed to facilitate mixing. A totalizer and sampling port have been installed on the discharge piping for monitoring purposes.

Sanitary Wastewater System. Domestic wastewater from the office buildings, employee restrooms and showers, and the cafeteria is managed in a separate plant wastewater collection and conveyance system. The domestic wastewater in the system is not commingled with industrial wastewater. Incoming water to this system is potable water supplied by the Springs Hill Water Supply Corporation.

Attachment 6

Structural Metals, Inc. dba CMC Steel Texas

Process Description

Effluent treatment is provided in an extended aeration activated sludge unit, which was constructed at the Surge Pond area. The extended aeration system is designed to provide treatment of the domestic wastewater flow based on the contribution from 1000 employees. The system includes an aeration basin (33,000 gallons), a final clarifier (11 ft holding diameter with a 9 ft sidewater depth), a chlorine contact chamber, and an aerated sludge holding tank. The system is designed to produce an effluent quality consistent with enhanced secondary treatment. Operational data indicates that the treated effluent averages 15,000 gpd with a corresponding quality of BOD₅ of less than 10 mg/l, TSS of less than 15 mg/l, and ammonia nitrogen less than 1 mg/l. Treated effluent is discharged to the Surge Pond.

The treated effluent is disinfected prior to discharge to the Surge Pond. Disinfection is accomplished by a flash mixed hypochlorite solution that is injected into the chlorine contact chamber. The chlorine contact chamber is designed to provide a minimum detention time of 20 minutes based on a peak flow factor of 3 times average flow. An automatic chlorine residual controller has been installed and adjusted to ensure that the chlorine residual is maintained to produce a free chlorine residual within the range of 1 mg/l to 4 mg/l as required by wastewater discharge Permit No. 01712.

SOS Liquid Waste Haulers, an authorized wastewater sludge transporter (Transporter ID No. 85936 transports sludge from the sanitary wastewater treatment system off site. Off site sludge shipments are accompanied by a manifest which records the date, driver's name, and weight of the shipment. Waste sludge is shipped off site to a WWTP TPDES Permit No. 10889-001. Sludge transport and disposal is arranged on a contractual basis. Vendors may be changed as needed to support SMI's operations. Sludge is removed in liquid form with an estimated solids content of approximately 5,000 mg/l. Approximately 4,000 gallons of sludge including 180 pounds solids is shipped off site for treatment and disposal during a typical week.

On-Site Septic Systems. SMI has a septic tank and drainfield system which serves its Truck Scalehouse. The system was constructed in 1994 in accordance with an on-site wastewater permit issued by the Guadalupe County Health Department.

Reclaimed Water Use.

SMI-Texas is authorized to use industrial reclaimed water under TCEQ Authorization Number 2E0000001. Approximately 65,000 gpd of water from the Surge Pond is used to irrigate bamboo and other vegetation on SMI-Texas property. Water from the surge pond includes domestic wastewater, contact cooling water, non-contact cooling water, cooling tower blowdown, and storm water runoff.

Attachment 7

Water Balance

Attachment 7

Water Balance

Attachment 8

SDS Summaries

Attachment 8- SDS Use and Summary

- **Product use:** See below
- **Chemical composition:** Please see each SDS included herein for chemical composition.
Proprietary formulations can be gleaned by contacting ChemTreat directly if required.
- **Persistence/bioaccumulative:** Not determined for these products.
- **Half-life:** Half-life data is not available and not applicable as the products are blends. None are biocides.
- **Concentration of whole product or active in waste stream:** Estimated amounts used below.
- **Product toxicity data:** See Below

- **CL5641 (See Attachment 8a)**

- *Fathead minnow* 96h LC50 = 1061 mg/l
- *Ceriodaphnia dubia* 48h LC50 = 1294 mg/l
- Scale/Corrosion Inhibitor
- 50 ppm kept in cooling towers via probe and pump (~20-40 ppm in waste stream)

- **CL8741 (See Attachment 8b)**

- Algae ~72h EC50 > 100 mg/l
- Daphnia ~48h EC50 > 100 mg/l
- Fish ~96h LC50 > 100 mg/l
- 30 ppm maintained via probe and pump dosing (>1 ppm in waste stream)
- Scale/Corrosion Inhibitor

- **CL1370 (See Attachment 8c)**

- *Fathead minnow* 96h LC50 = 6373 mg/l
- *Ceriodaphnia dubia* 48h LC50 = 844 mg/l
- Scale inhibitor
- Fed on a timer
- <1ppm in waste stream

- **CL2632 (See Attachment 8d)**

- *Fathead minnow* 96h LC50 = 2500 mg/l
- Sheepshead minnow 96h > 1000 mg/l
- *Ceriodaphnia dubia* 48h LC50 = 1965 mg/l
- Mysid shrimp 48h LC50 = 7500 mg/l
- Corrosion Inhibitor
- Batch fed into closed loops at 3000ppm, so should be 0 ppm to waste

- **CL4132 (See Attachment 8e)**
 - *Fathead minnow* 96h LC50 = 44.1 mg/l
 - *Ceriodaphnia dubia* 48h LC50 = 108 mg/l
 - Fed at 100 ppm for minimal time to one cooling tower for passivation (<1ppm in waste)
 - Corrosion inhibitor for yellow metals

- **PG906 (See Attachment 8f)**
 - *Fathead minnow* 96h LC50 = 28.942 mg/l
 - *Ceriodaphnia dubia* 48h LC50 = 0.625 mg/l
 - Mysid shrimp 48h LC50 = 46 mg/l
 - Inland Silverside 96h LC50 = 92 mg/l
 - Water Clarification/Solids
 - Conditioning Agent
 - 10 ppm into mill scale pit
 - <1ppm in waste stream as it remains with sludge solids

- **P831E (See Attachment 8g)**
 - *Fathead minnow* 96h LC50 = 0.7009 mg/l
 - *Ceriodaphnia dubia* 48h LC50 = 0.1182 mg/l
 - Water Clarification/Solids
 - Conditioning agent
 - 1 ppm into mill pond
 - <1ppm in waste stream as it remains with sludge solids

- **P891L (See Attachment 8h)**
 - *Ceriodaphnia dubia* 48h LC50 = 5743 mg/l
 - *Fathead minnow* 96hr LC50 = 3318 mg/l
 - *Fathead minnow* 7day IC25 = 13.9 mg/l
 - *Fathead minnow* 7day NOEC < 63 mg/l
 - Water Clarification/Solids
 - Conditioning Agent
 - 10 ppm into mill pond
 - <1ppm in waste stream as it remains with sludge solids

- FO222 (**See Attachment 8i**)
 - *Fathead minnow* 96h LC50 = 6632 mg/l
 - *Ceriodaphnia dubia* 48h LC50 = 134 mg/l
 - 1ppm when foaming occurs
 - <1ppm in waste stream

- CL6033 (**See Attachment 8j**)
 - *Fathead minnow* 96h LC50 = 3299 mg/l
 - *Ceriodaphnia dubia* 48h LC50 = 2741 mg/l
 - *Ceriodaphnia dubia* 7day IC25 = 569 mg/l
 - *Ceriodaphnia dubia* 7day NOEC = 500 mg/l
 - *Ceriodaphnia dubia* 7day LOEC = 1000 mg/l
 - *Corrosion Inhibitor*
 - Batch dosed at 3000 ppm in closed loops (non-contact systems)
 - 0 ppm in waste as it is fed into closed loops

Note: Chemicals described above have the potential to present at Outfall Number 001, however, all volumes have been utilized for irrigation plots and dust control for the last 20 years with no river discharge whatsoever. Information furnished by ChemTreat to CMC for TCEQ wastewater permit renewal.



5640 Cox Road | Glen Allen, VA 23060
(m) (210) 382-0632
www.chemtreat.com

Attachment 8

SDS Summary

Attachment 8(a)
CL5641 SDS



SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name:	FlexPro® CL5641
Product Use:	Cooling Water Treatment
Supplier's Name:	ChemTreat, Inc.
Emergency Telephone Number:	(800)424-9300 (Toll Free)
Address (Corporate Headquarters):	5640 Cox Road Glen Allen, VA 23060
Telephone Number for Information:	(800)648-4579
Date of SDS:	June 28, 2019
Revision Date:	June 28, 2019
Revision Number:	19062801AN

Section 2. Hazard(s) Identification

Signal Word: **WARNING**

GHS Classification(s): Eye damage/irritation – Category 2b
Acute Toxicity Dermal – Category 5
Acute Toxicity Inhalation – Category 5
Acute Toxicity Oral – Category 5

Hazard Statement(s): H320 Causes eye irritation.
H313 May be harmful in contact with skin.
H333 May be harmful if inhaled.
H303 May be harmful if swallowed.

Precautionary Statement(s):

Prevention:	P264 Wash thoroughly after handling.
Response:	None.
Storage:	None.
Disposal:	None.

System of Classification Used: Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazards Not Otherwise Classified: None.



Section 3. Composition/Hazardous Ingredients

Component	CAS Registry #	Wt. %
2-Phosphono-1,2,4-butane tricarboxylic acid	37971-36-1	7 - 13

Comments If chemical identity and/or exact percentage of composition has been withheld, this information is considered to be a trade secret.

Section 4. First Aid Measures

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Skin: Wash with plenty of soap and water. Call a poison center or doctor/physician if you feel unwell.

Ingestion: DO NOT INDUCE VOMITING. Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

Most Important Symptoms: N/D

Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary: N/A

Section 5. Fire Fighting Measures

Flammability of the Product: Not flammable.

Suitable Extinguishing Media: Use extinguishing media suitable to surrounding fire.

Specific Hazards Arising from the Chemical: None known.

**Protective Equipment:**

If product is involved in a fire, wear full protective clothing including a positive-pressure, NIOSH approved, self-contained breathing apparatus.

Section 6. Accidental Release Measures

Personal Precautions:

Use appropriate Personal Protective Equipment (PPE).

Environmental Precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.

Methods for Cleaning up:

Contain and recover liquid when possible. Flush spill area with water spray.

Other Statements:

None.

Section 7. Handling and Storage

Handling:

Wear appropriate Personal Protective Equipment (PPE) when handling this product. Do not get in eyes, or on skin and clothing. Wash thoroughly after handling. Do not ingest. Avoid breathing vapors, mist or dust.

Storage:

Store away from incompatible materials (see Section 10). Store at ambient temperatures. Keep container securely closed when not in use. Label precautions also apply to empty container. Recondition or dispose of empty containers in accordance with government regulations. For Industrial use only.
Store above Freeze Point.

Section 8. Exposure Controls/Personal Protection

Exposure Limits

Component	Source	Exposure Limits
2-Phosphono-1,2,4-butane tricarboxylic acid	N/E	N/E

Engineering Controls:

Use only with adequate ventilation. The use of local ventilation is recommended to control emission near the source.



Personal Protection

Eyes:	Wear chemical splash goggles or safety glasses with full-face shield. Maintain eyewash fountain in work area.
Skin:	Maintain quick-drench facilities in work area. Wear butyl rubber or neoprene gloves. Wash them after each use and replace as necessary. If conditions warrant, wear protective clothing such as boots, aprons, and coveralls to prevent skin contact.
Respiratory:	If misting occurs, use NIOSH approved organic vapor/acid gas dual cartridge respirator with a dust/mist prefilter in accordance with 29 CFR 1910.134.

Section 9. Physical and Chemical Properties

Physical State and Appearance:	Liquid, Dark Straw, Clear
Specific Gravity:	1.186 @ 20°C
pH:	2.6 @ 20°C, 100.0%
Freezing Point:	45°F
Flash Point:	N/A
Odor:	Mild
Melting Point:	N/A
Initial Boiling Point and Boiling Range:	N/D
Solubility in Water:	Complete
Evaporation Rate:	N/D
Vapor Density:	N/D
Molecular Weight:	N/D
Viscosity:	<100 CPS @ 20°C
Flammability (solid, gas):	N/D
Flammable Limits:	N/A
Autoignition Temperature:	N/A
Density:	9.89 LB/GA
Vapor Pressure:	N/D
% VOC:	N/D
Odor Threshold	N/D
n-octanol Partition Coefficient	N/D
Decomposition Temperature	N/D



Section 10. Stability and Reactivity

Chemical Stability:	Stable at normal temperatures and pressures.
Incompatibility with Various Substances:	Strong oxidizers, Strong bases.
Hazardous Decomposition Products:	Oxides of carbon, Oxides of nitrogen.
Possibility of Hazardous Reactions:	None known.
Reactivity:	N/D
Conditions To Avoid:	N/D

Section 11. Toxicological Information

Acute Toxicity

Chemical Name	Exposure	Type of Effect	Concentration	Species
2-Phosphono-1,2,4-butane tricarboxylic acid	Oral	LD50	>6500 MG/KG	Rat

Carcinogenicity Category

Component	Source	Code	Brief Description
2-Phosphono-1,2,4-butane tricarboxylic acid	N/E	N/E	N/E

Likely Routes of Exposure: N/D

Symptoms

Inhalation:	N/D
Eye Contact:	N/D
Skin Contact:	N/D
Ingestion:	N/D

Skin Corrosion/Irritation: N/D



Serious Eye Damage/Eye Irritation: N/D

Sensitization: N/D

Germ Cell Mutagenicity: N/D

Reproductive/Developmental Toxicity: N/D

Specific Target Organ Toxicity

Single Exposure: N/D

Repeated Exposure: N/D

Aspiration Hazard: N/D

Comments: None.

Section 12. Ecological Information

Ecotoxicity

Species	Duration	Type of Effect	Test Results
Fathead Minnow	96h	LC50	1061 mg/l
Ceriodaphnia dubia	48h	LC50	1294 mg/l

Persistence and Biodegradability: N/D

Bioaccumulative Potential: N/D

Mobility In Soil: N/D

Other Adverse Effects: N/D

Comments: None.



Section 13. Disposal Considerations

Dispose of in accordance with local, state and federal regulations.

Section 14. Transport Information

Controlling Regulation	UN/NA#:	Proper Shipping Name:	Technical Name:	Hazard Class:	Packing Group:
DOT	N/A	COMPOUND, INDUSTRIAL WATER TREATMENT, LIQUID	N/A	N/A	N/A
TDG	N/A	COMPOUND, INDUSTRIAL WATER TREATMENT, LIQUID	N/A	N/A	N/A

Note: N/A

Section 15. Regulatory Information

Inventory Status

United States (TSCA):
Canada (DSL/NDSL):

All ingredients listed.
All ingredients listed.

Federal Regulations

SARA Title III Rules

Sections 311/312 Hazard Classes

Fire Hazard:	No
Reactive Hazard:	No
Release of Pressure:	No
Acute Health Hazard:	Yes
Chronic Health Hazard:	No

Other Sections

Component	Section 313 Toxic Chemical	Section 302 EHS TPQ	CERCLA RQ
2-Phosphono-1,2,4-butane tricarboxylic acid	N/A	N/A	N/A



Comments: None.

State Regulations

California Proposition 65: None known.

Special Regulations

Component	States
2-Phosphono-1,2,4-butane tricarboxylic acid	None.

Compliance Information

NSF: N/A

Food Regulations: N/A

KOSHER: This product has not been evaluated for Kosher approval.

Halal: This product has not been evaluated for Halal approval.

FIFRA: N/A

Other: None

Comments: None.

Section 16. Other Information

HMIS Hazard Rating

Health:	1
Flammability:	0
Physical Hazard:	0
PPE:	X

Notes: The PPE rating depends on circumstances of use. See Section 8 for recommended PPE.
The Hazardous Material Information System (HMIS) is a voluntary, subjective alpha-numeric symbolic system for recommending hazard risk and personal protection equipment information. It is a subjective rating system based on the evaluator's understanding of the chemical associated risks. The end-user must determine if the code is appropriate for their use.



Abbreviations

Abbreviation	Definition
<	Less Than
>	Greater Than
ACGIH	American Conference of Governmental Industrial Hygienists
EHS	Environmental Health and Safety Dept
N/A	Not Applicable
N/D	Not Determined
N/E	Not Established
OSHA	Occupational Health and Safety Dept
PEL	Personal Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weight Average
UNK	Unknown

Prepared by: Product Compliance Department; ProductCompliance@chemtreat.com

Revision Date: June 28, 2019

Disclaimer

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Attachment 8(b)

CL8741 SDS



SAFETY DATA SHEET



1. Identification

Product identifier CL8741

Other means of identification

Product code CL8741

Recommended use Cooling Water Treatment

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name ChemTreat, Inc.

Address 5640 Cox Road
Glen Allen, VA 23060
United States

Telephone 800-648-4579

Website chemtreat.com

E-mail productcompliance@chemtreat.com

Emergency phone number 800-424-9300

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Skin corrosion/irritation Category 1
Serious eye damage/eye irritation Category 1

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement Causes severe skin burns and eye damage. Causes serious eye damage.

Precautionary statement

Prevention Do not breathe mist/vapors. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Wash contaminated clothing before reuse.

Storage Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Sodium hydroxide		1310-73-2	5 - < 15

Chemical name	Common name and synonyms	CAS number	%
Chlorotolyltriazole sodium salt		202420-04-0	1 - < 3
Other components below reportable levels			80 - < 90

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Do not breathe mist/vapors. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Sodium hydroxide (CAS 1310-73-2)	PEL	2 mg/m3

US. ACGIH Threshold Limit Values

Components	Type	Value
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color Amber.

Odor Mild

Odor threshold Not available.

pH 12.5 - 14

Melting point/freezing point 20.48 °F (-6.40 °C)

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	0 - 200 cps
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Pounds per gallon	10.34
Specific gravity	1.23 - 1.25 @ 20C

10. Stability and reactivity

Reactivity	Reacts violently with strong acids. This product may react with oxidizing agents.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials. Do not mix with other chemicals.
Incompatible materials	Strong acids. Oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact	Causes severe skin burns.
Eye contact	Causes serious eye damage.
Ingestion	Causes digestive tract burns.
Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Information on toxicological effects

Acute toxicity	Not known.
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
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Product		Species	Test Results
CL8741			
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	>100 mg/l, 72 hours estimated
Crustacea	EC50	Daphnia	>100 mg/l, 48 hours estimated
Fish	LC50	Fish	>100 mg/l, 96 hours estimated

Components		Species	Test Results
Sodium hydroxide (CAS 1310-73-2)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	34.59 - 47.13 mg/l, 48 hours
Fish	LC50	Western mosquitofish (Gambusia affinis)	125 mg/l, 96 hours

Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.
Bioaccumulative potential	
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	D002: Waste Corrosive material [pH ≤2 or ≥12.5, or corrosive to steel] The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT	
UN number	UN3266
UN proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	II

Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	B2, IB2, T11, TP2, TP27
Packaging exceptions	154
Packaging non bulk	202
Packaging bulk	242

IATA

UN number	UN3266
UN proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	II
Environmental hazards	No.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN3266
UN proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	II
Environmental hazards	
Marine pollutant	No.
EmS	Not available.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

DOT



IATA; IMDG



15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Sodium hydroxide (CAS 1310-73-2) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**SARA 302 Extremely hazardous substance**

Not listed.

SARA 311/312 Hazardous chemical

Yes

Classified hazard categoriesSkin corrosion or irritation
Serious eye damage or eye irritation**SARA 313 (TRI reporting)**

Not regulated.

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations**California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Sodium hydroxide (CAS 1310-73-2)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	08-25-2021
Revision date	03-06-2023
Version #	04
HMIS® ratings	Health: 3 Flammability: 0 Physical hazard: 0 Personal protection: X

Disclaimer

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Revision information

Transport Information: Material Transportation Information

Other information

Prepared by: Product Compliance Department; ProductCompliance@chemtreat.com

Attachment 8(c)

CL1370 SDS



SAFETY DATA SHEET

1. Identification

Product identifier CL1370

Other means of identification

Product code CL1370

Recommended use Cooling Water Treatment

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name ChemTreat, Inc.

Address 5640 Cox Road
Glen Allen, VA 23060
United States

Telephone 800-648-4579

Website chemtreat.com

E-mail productcompliance@chemtreat.com

Emergency phone number 800-424-9300

2. Hazard(s) identification

Physical hazards Corrosive to metals Category 1

Health hazards Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Warning

Hazard statement May be corrosive to metals. Causes skin irritation. Causes serious eye irritation.

Precautionary statement

Prevention Keep only in original container. Wash thoroughly after handling. Wear eye protection/face protection. Wear protective gloves.

Response If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Absorb spillage to prevent material damage.

Storage Store in corrosive resistant container with a resistant inner liner.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
2-phosphonobutane-1,2,4-tricarboxylic Acid		37971-36-1	50 - < 60
Other components below reportable levels			50 - < 60

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Prevent entry into waterways, sewer, basements or confined areas. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in a cool, dry place out of direct sunlight. Store in corrosive resistant container with a resistant inner liner. Store in tightly closed container. Keep only in the original container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. Workplace Environmental Exposure Level (WEEL) Guides
Components

Type

Value

Form

2-phosphonobutane-1,2,4-tricarboxylic Acid (CAS 37971-36-1)

TWA

10 mg/m3

Aerosol.

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Wear appropriate chemical resistant gloves.

Other

Wear appropriate chemical resistant clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state

Liquid.

Form

Liquid.

Color

Light Straw

Odor

Mild

Odor threshold

Not available.

pH

Not available.

Melting point/freezing point

6.80 °F (-14.00 °C)

Initial boiling point and boiling range

Not available.

Flash point

> 212.0 °F (> 100.0 °C)

Evaporation rate

Not available.

Flammability (solid, gas)

Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)

Not available.

Flammability limit - upper (%)

Not available.

Explosive limit - lower (%)

Not available.

Explosive limit - upper (%)

Not available.

Vapor pressure

0.00001 hPa estimated

Vapor density

Not available.

Relative density

Not available.

Solubility(ies)

Solubility (water)

Not available.

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperature

Not available.

Decomposition temperature

Not available.

Viscosity

0 - 200 cps

Other information

Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Pounds per gallon	10.72
Specific gravity	1.27 - 1.3 @ 20C
VOC	0 %w/w

10. Stability and reactivity

Reactivity	May be corrosive to metals.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Metals.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information**Information on likely routes of exposure**

Inhalation	Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity	Not known.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product	Species		Test Results
CL1370			
Aquatic Crustacea	LC50	Ceriodaphnia dubia	884 mg/l, 48 hours
		Daphnia pulex	1539 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	6373 mg/l, 96 hours
Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.		
Bioaccumulative potential	No data available.		
Mobility in soil	No data available.		
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	D002: Waste Corrosive material [pH <=2 or >=12.5, or corrosive to steel] The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

UN number	UN3265
UN proper shipping name	Corrosive liquid, acidic, organic, n.o.s. (2-PHOSPHONOBUTANE-1,2,4-TRICARBOXYLIC ACID)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	III
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	IB3, T7, TP1, TP28
Packaging exceptions	154
Packaging non bulk	203
Packaging bulk	241

IATA

UN number	UN3265
UN proper shipping name	Corrosive liquid, acidic, organic, n.o.s. (2-PHOSPHONOBUTANE-1,2,4-TRICARBOXYLIC ACID)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Packing group	III
Environmental hazards	No.
ERG Code	8L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

IMDG

UN number	UN3265
UN proper shipping name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2-PHOSPHONOBUTANE-1,2,4-TRICARBOXYLIC ACID)

Transport hazard class(es)**Class** 8**Subsidiary risk** -**Packing group** III**Environmental hazards****Marine pollutant** No.**EmS** F-A, S-B**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**Transport in bulk according to
Annex II of MARPOL 73/78 and
the IBC Code** Not established.**DOT****IATA; IMDG****15. Regulatory information****US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous
chemical** Yes**Classified hazard
categories**Corrosive to metal
Skin corrosion or irritation
Serious eye damage or eye irritation**SARA 313 (TRI reporting)**

Not regulated.

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.**US state regulations****California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision**Issue date** 02-13-2023**Version #** 01**HMIS® ratings** Health: 0
Flammability: 1
Physical hazard: 0
Personal protection: X

Disclaimer ChemTreat, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, ChemTreat, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will ChemTreat, Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature are made hereunder with respect to information or the product to which information refers.

Other information Prepared by: Product Compliance Department; ProductCompliance@chemtreat.com

Attachment 8(d)

CL2632 SDS



SAFETY DATA SHEET



1. Identification

Product identifier CL2632

Other means of identification

Product code FlexPro® CL2632

Recommended use Closed System Treatment

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name ChemTreat, Inc.

Address 5640 Cox Road
Glen Allen, VA 23060
United States

Telephone 800-648-4579

Website chemtreat.com

E-mail productcompliance@chemtreat.com

Emergency phone number 800-424-9300

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Sensitization, skin	Category 1
Specific target organ toxicity, repeated exposure	Category 2

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure.

Precautionary statement

Prevention Do not breathe mist/vapors. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Storage Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Sodium hydroxide		1310-73-2	1 - < 5
Sodium tolyltriazole		64665-57-2	1 - < 5
Reactive Polyhydroxy Complex, RPC		proprietary	1 - < 3
Other components below reportable levels			90 - 100

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
General information	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
Environmental precautions	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Do not breathe mist/vapors. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Reactive Polyhydroxy Complex, RPC	PEL	2 mg/m3
Sodium hydroxide (CAS 1310-73-2)	PEL	2 mg/m3

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Reactive Polyhydroxy Complex, RPC	TWA	2 mg/m3	Inhalable fraction.
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Reactive Polyhydroxy Complex, RPC	TWA	2 mg/m3
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3

Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Chemical goggles and face shield are recommended. If contact is likely, safety glasses with side shields are recommended.
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	If misting occurs, use NIOSH approved organic vapor/acid gas dual cartridge respirator with a dust/mist prefilter in accordance with 29 CFR 1910.134.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid.
Color	Amber
Odor	Mild

Odor threshold	Not available.
pH	12.5 - 14
Melting point/freezing point	37.40 °F (3.00 °C)
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	0.00001 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	0 - 200 cps
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Pounds per gallon	8.89
Specific gravity	1.05 - 1.06 @ 20C
VOC	2.5 %w/w

10. Stability and reactivity

Reactivity	Reacts violently with strong acids. This product may react with oxidizing agents.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Contact with incompatible materials. Do not mix with other chemicals.
Incompatible materials	Strong acids. Oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact	Causes severe skin burns. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.
Ingestion	Causes digestive tract burns.
Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Information on toxicological effects

Acute toxicity	Not known.
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Not listed.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)	
Not regulated.	
US. National Toxicology Program (NTP) Report on Carcinogens	
Not listed.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
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Product			Species	Test Results
CL2632				
Aquatic				
Crustacea	LC50		Ceriodaphnia dubia	1965 mg/l, 48 hours
			Opossum shrimp order (Mysida)	7500 mg/l, 48 hours
Fish	LC50		Fathead minnow (Pimephales promelas)	2500 mg/l, 96 hours
			Sheepshead minnow (Cyprinodon variegatus)	> 10000 mg/l, 96 hours

Components		Species	Test Results
Sodium hydroxide (CAS 1310-73-2)			
Aquatic			
Acute			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	34.59 - 47.13 mg/l, 48 hours
Fish	LC50	Western mosquitofish (Gambusia affinis)	125 mg/l, 96 hours
Sodium tolyltriazole (CAS 64665-57-2)			
Aquatic			
Acute			
Crustacea	LC50	Water flea (Ceriodaphnia dubia)	141.789 mg/l, 48 h
Fish	LC50	Fathead minnow (Pimephales promelas)	70 - 154 mg/l, 96 h

Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	D002: Waste Corrosive material [pH <=2 or >=12.5, or corrosive to steel] The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

UN number	UN1760
UN proper shipping name	Corrosive liquids, n.o.s. (Sodium hydroxide)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	III
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	IB3, T7, TP1, TP28
Packaging exceptions	154
Packaging non bulk	203
Packaging bulk	241

IATA

UN number	UN1760
UN proper shipping name	Corrosive liquids, n.o.s. (Sodium hydroxide)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	III
Environmental hazards	No.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN1760
UN proper shipping name	Corrosive liquids, n.o.s. (Sodium hydroxide)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	III
Environmental hazards	
Marine pollutant	No.
EmS	Not available.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.

DOT



IATA; IMDG



15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Sodium hydroxide (CAS 1310-73-2) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

Classified hazard categories Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitization
Specific target organ toxicity (single or repeated exposure)

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Sodium hydroxide (CAS 1310-73-2)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Compliance Information: Halal

Compliance Information: Kosher

This product is certified by the Orthodox Unionas Kosher pareve

Only when prepared by the following ChemTreat facilities:

Ashland VA

Nederland TX



16. Other information, including date of preparation or last revision

Issue date 10-14-2022

Revision date 03-06-2023

Version # 03

HMIS® ratings Health: 3
Flammability: 0
Physical hazard: 0
Personal protection: X

Disclaimer ChemTreat, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, ChemTreat, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will ChemTreat, Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature are made hereunder with respect to information or the product to which information refers.

Revision information

Transport Information: Material Transportation Information

Regulatory information: Compliance Information: Kosher

Other information

Prepared by: Product Compliance Department; ProductCompliance@chemtreat.com

Attachment 8(e)
CL4132 SDS



Safety Data Sheet

1. Identification

Product Name: CL4132

Recommended Use: Cooling Water Treatment

Supplied by: ChemTreat, Inc.
5640 Cox Road
Glen Allen, Virginia 23060
E-Mail: productcompliance@chemtreat.com
www.chemtreat.com
(800) 648-4579

Emergency Telephone: (800) 424-9300

2. Hazards Identification

This substance or mixture is classified in accordance with 29 CFR 1910.1200.

Hazard Pictogram(s)



Signal Word
Danger

GHS CLASSIFICATION & HAZARD STATEMENTS

SERIOUS EYE DAMAGE - CATEGORY 1	H318	Causes serious eye damage.
HAZARDOUS TO THE AQUATIC ENVIRONMENT - ACUTE - CATEGORY 3	H402	Harmful to aquatic life.
SKIN CORROSION - CATEGORY 1	H314	Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P316	Get emergency medical help immediately.
P321	Specific treatment is possible (refer to label).
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
P363	Wash contaminated clothing before reuse.

3. Composition/Information on Ingredients

Chemical Name	CAS-No.	Wt. %	GHS Statements
Halogenated aromatic heterocyclic sodium salt	proprietary	20 - 30	H314-318
Sodium hydroxide	1310-73-2	1 - 3	H302+H312-314-318
Tolyltriazole, sodium salt	64665-57-2	1 - 3	H302-314-318

The exact percentage (concentration) and/or specific chemical identity of the product composition has been withheld as a trade secret. Full text of H-statements (if any): see Section 16

4. First-aid Measures



First Aid - General Advice: Provide general supportive measures and treat symptomatically. If any symptoms persist or in all cases of doubt, seek medical advice.

First Aid - Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

First Aid - Ingestion: Rinse mouth. Get medical attention if symptoms occur.

First Aid - Skin Contact: Immediately wash skin with plenty of water while removing any contaminated clothing. Call a physician or poison control center immediately if symptoms occur. Chemical burns must be treated by a physician.

First Aid - Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove eye contact lenses. Call a physician or poison control center immediately if symptoms persist.

Most Important Symptoms and Effects: See Section 2 and Section 11, Toxicological effects for description of potential symptoms. This material may be corrosive and potentially damaging to any tissue it comes in contact with. Symptoms may include irritation, stinging, tearing, redness, swelling, itching, burns, and blurred vision.

Notes to Physician: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Treat symptomatically.

5. Fire-fighting Measures

Fire and Explosion Hazards: Use standard firefighting procedures and consider the hazards of other involved materials.

Special Firefighting Procedures: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Suitable Extinguishing Media: Use extinguishing media suitable to surrounding fire.

6. Accidental Release Measures

Methods and Materials for Containment and Cleanup: Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Large Spills: Stop the flow of material, if possible without risk. Absorb in vermiculite, sand, or earth and place into containers. Flush area with water.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental Precautions: Avoid release to the environment. Do not allow discharge into drains, water courses, or onto the ground. See Section 12 for additional Ecological information.

Advice for Emergency Responders: Keep unnecessary personnel away. Ventilate area. Observe and follow emergency procedures.

Personal Precautions: Refer to protective measures listed in sections 7 and 8.

7. Handling and Storage

Handling: Do not get in eyes, on skin or clothing. Keep container tightly closed. Wear personal protection equipment. Do not breath vapors. Wash thoroughly after handling.

Storage: Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Store above Freeze Point.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Halogenated aromatic heterocyclic sodium salt	N.E.	N.E.	N.E.	N.E.

Sodium hydroxide	N.E.	N.E.	2 mg/m3	N.E.
Tolyltriazole, sodium salt	N.E.	N.E.	N.E.	N.E.

MEL = Maximum Exposure Limit OES = Occupational Exposure Standard N.E. = Not Established

Personal Protection

Respiratory Protection: If engineering controls do not maintain airborne concentrations below applicable exposure limits, an appropriate certified respirator must be worn.

Skin Protection: Wear appropriate chemical resistant gloves.

Eye Protection: Wear safety glasses with side shields (or goggles) and/or a face shield.

Other Protective Equipment: Wear suitable personal protective equipment. Eye wash facilities and emergency shower must be available when handling this product.

Hygienic Practices: Handle in accordance with good industrial hygiene and safety practice.

Engineering Controls: Use adequate ventilation to maintain airborne concentrations at levels below permissible or recommended occupational exposure limits.

9. Physical and Chemical Properties

Appearance:	Clear	Color:	Dark Straw
Physical State:	Liquid	Odor:	Mild
Density, lb/gal:	9.68	Specific gravity, 20°C	1.161
Freeze Point, °C:	-11	pH:	13.00
Solubility in Water:	No Information	Viscosity:	No Information
Boiling Range, °C:	No Information	Flash Point, °C:	No Information
Volatile Organic Compounds, gr/ltr:	0	Combustibility:	No Information

10. Stability and Reactivity

Reactivity: No reactivity hazards known under recommended storage and use conditions.

Stability: Stable under normal conditions.

Conditions to Avoid: Contact with incompatible materials.

Incompatibility: Strong oxidizing agents.

Hazardous Decomposition Products: None known under recommended use and conditions.

11. Toxicological Information

Most Important Symptoms and Effects: See Section 2 and Section 11, Toxicological effects for description of potential symptoms. This material may be corrosive and potentially damaging to any tissue it comes in contact with. Symptoms may include irritation, stinging, tearing, redness, swelling, itching, burns, and blurred vision.

Effect of Overexposure - Inhalation: Under normal use conditions, this product is not expected to cause adverse health effects.

Effect Of Overexposure - Ingestion: May be harmful if swallowed. Rinse mouth. Call a physician or poison center if symptoms occur.

Effect of Overexposure - Skin Contact: May cause severe skin irritation or burns.

Effect Of Overexposure - Eye Contact: May cause serious eye irritation or damage.

Effect Of Overexposure - Chronic Hazards: No persistent or cumulative effects were observed. Under normal use conditions, this product is not expected to cause chronic health effects.

Carcinogenicity: Not classifiable as to carcinogenicity to humans.

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50
1310-73-2	Sodium hydroxide	325 mg/kg Rat	1350 mg/kg Rabbit	N.I.
64665-57-2	Tolyltriazole, sodium salt	1980 mg/kg Rat	>2000 mg/kg Rabbit	N.I.

N.I. = No Information

12. Ecological Information

Ecological Information: This product is classified as environmentally hazardous. Large or frequent spills can have a harmful or damaging effect on the environment and/or aquatic organisms.

Review substance(s) or product ecotoxicity data result(s) in this section below, if available. See SDS section 6 for accidental release

measures.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Ecological Effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Ecotoxicity

Species	Duration and Type	Test Results
Fathead minnow (<i>Pimephales promelas</i>)	NOEC for 7 days	12.5 mg/L
Ceriodaphnia dubia	NOEC for 7 days	12.5 mg/L
Ceriodaphnia dubia	LOEC for 7 days (mg/L)	25 mg/L
Fathead minnow (<i>Pimephales promelas</i>)	LOEC for 7 days (mg/L)	25 mg/L
Fathead minnow (<i>Pimephales promelas</i>)	LC50 for 96 hours	44.1 mg/L
Ceriodaphnia dubia	LC50 for 48 hours	108 mg/L
Ceriodaphnia dubia	IC25 for 7 days	22.4 mg/L
Fathead minnow (<i>Pimephales promelas</i>)	IC25 for 7 days	31.4 mg/L

13. Disposal Information

Disposal Instructions: Do not dispose or allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local/regional/national/international regulations.

Contaminated Packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Hazardous Waste Code: D002: Waste Corrosive material [pH \leq 2 or \geq 12.5, or corrosive to steel]. The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

14. Transport Information

DOT

UN Number:	UN3267
Proper Shipping Name:	Corrosive liquid, basic, organic, n.o.s.
Technical Name:	(CHLOROTOLYLTRIAZOLE SODIUM SALT)
Hazard Class(es)	
Class:	8
Subsidiary Risk	No Information
Packing Group:	PGII
Special Precautions for user:	Read safety instructions, SDS and emergency procedures before handling
Reportable Quantity (RQ) lbs	50000 lbs (Hydroxyde de sodium)
ERG Code:	76

IATA

UN Number:	UN3267
Proper Shipping Name:	Corrosive liquid, basic, organic, n.o.s.
Technical Name:	(CHLOROTOLYLTRIAZOLE SODIUM SALT)
Hazard Class(es)	
Class:	8
Subsidiary Risk:	N/A
Packing Group:	PGII
Environmental Hazards:	Yes
ERG Code:	8L

IMDG

UN Number: UN3267
Proper Shipping Name: Corrosive liquid, basic, organic, n.o.s.
Technical Name: (CHLOROTOLYLTRIAZOLE SODIUM SALT)
Hazard Class(es)
Class: 8
Subsidiary Risk: N/A
Packing Group: PGII
Marine Pollutant: No
EmS: F-A, S-B
Special Precautions for user: Read safety instructions, SDS and emergency procedures before handling

Special Transport Precautions: No Information

15. Regulatory Information**Federal Regulations:**

This safety data sheet was prepared in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4)

Chemical Name	CAS-No.
Sodium hydroxide	1310-73-2

Superfund Amendments and Reauthorization Act of 1986 (SARA)**SARA 302 Extremely Hazardous Substances**

Chemical Name	CAS-No.	Threshold
Sodium hydroxide	1310-73-2	1000 lb

SARA 304 Emergency Release Notification

Chemical Name	CAS-No.
Sodium hydroxide	1310-73-2

SARA Section 311/312

Classified Hazard Categories Skin Corrosion or Irritation, Serious eye damage or eye irritation

SARA 313 (TRI reporting)

Not regulated

OSHA Specifically Regulated Substances List (40 CFR 1910.1001-1053)

Not regulated

Clean Air Act (CAA)**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated

Safe Drinking Water Act (SDWA)

Not regulated

California Proposition 65

Not regulated

International Regulations:**International Inventories:**

Country(s) or region	Inventory name	On Inventory (yes/no)*
TSCA	United States Toxic Substances Control Act Inventory	Yes
DSL	Canadian Domestic Substances List	Yes
NDSL	Canadian Non-Domestic Substances List	No
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances	Yes
ENCS	Japan Existing and New Chemical Substances	No
IECSC	China Inventory of Existing Chemical Substances	Yes
KECI	Korean Existing and Evaluated Chemical Substances	No
PICCS	Philippines Inventory of Chemicals and Chemical Substances	Yes
AICS	Australian Inventory of Chemical Substances	Yes
NZIoC	New Zealand Inventory of Chemicals	Yes
TCSI	Taiwan Chemical Substance Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other Information

Revision Date: 8/26/2024
Reason for revision: No Information
Datasheet produced by: productcompliance@chemtreat.com

HMIS Ratings:

Health:	3	Flammability:	0	Reactivity:	0	Personal Protection:	X
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Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

ChemTreat, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, ChemTreat, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will ChemTreat, Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature are made hereunder with respect to information or the product to which information refers.

Attachment 8(f)
PG906 SDS



SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name:	paperpro® PG906
Product Use:	Retention and Drainage Aid/Paper Process Additive
Supplier's Name:	ChemTreat, Inc.
Emergency Telephone Number:	(800)424-9300 (Toll Free)
Address (Corporate Headquarters):	5640 Cox Road Glen Allen, VA 23060
Telephone Number for Information:	(800)648-4579
Date of SDS:	February 7, 2019
Revision Date:	February 7, 2019
Revision Number:	19020701AN

Section 2. Hazard(s) Identification

Signal Word:	None
GHS Classification(s):	Non-Hazardous Substance
Hazard Statement(s):	Non-Hazardous Substance
Precautionary Statement(s):	No significant health risks are expected from exposures under normal conditions of use.
Prevention:	None.
Response:	None.
Storage:	None.
Disposal:	None.
System of Classification Used:	Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).
Hazards Not Otherwise Classified:	None.



Section 3. Composition/Hazardous Ingredients

Component	CAS Registry #	Wt. %
Components not listed are either non hazardous or in concentration of less than 1%	N/A	N/A

Comments If chemical identity and/or exact percentage of composition has been withheld, this information is considered to be a trade secret.

Section 4. First Aid Measures

Inhalation: Call a POISON CENTER or doctor/physician if you feel unwell.

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Skin: Call a poison center or doctor/physician if you feel unwell.

Ingestion: Rinse mouth. Call a poison center or doctor/physician if you feel unwell.

Most Important Symptoms: N/D

Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary: N/A

Section 5. Fire Fighting Measures

Flammability of the Product: Not flammable.

Suitable Extinguishing Media: Use extinguishing media suitable to surrounding fire.

Specific Hazards Arising from the Chemical: None known.

Protective Equipment: If product is involved in a fire, wear full protective clothing including a positive-pressure, NIOSH approved, self-contained breathing apparatus.



Section 6. Accidental Release Measures

Personal Precautions:	Use appropriate Personal Protective Equipment (PPE).
Environmental Precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.
Methods for Cleaning up:	Contain and recover liquid when possible. Flush spill area with water spray. Material is very slippery if spilled.
Other Statements:	None.

Section 7. Handling and Storage

Handling:	Wear appropriate Personal Protective Equipment (PPE) when handling this product. Do not get in eyes, or on skin and clothing. Wash thoroughly after handling. Do not ingest. Avoid breathing vapors, mist or dust.
Storage:	Store away from incompatible materials (see Section 10). Store at ambient temperatures. Keep container securely closed when not in use. Label precautions also apply to empty container. Recondition or dispose of empty containers in accordance with government regulations. For Industrial use only. Protect from heat and sources of ignition. Do not freeze. Store above Freeze Point. If freezes, then product is unusable.

Section 8. Exposure Controls/Personal Protection

Exposure Limits

Component	Source	Exposure Limits
Components not listed are either non hazardous or in concentration of less than 1%	N/E	N/E

Engineering Controls:	Use only with adequate ventilation. The use of local ventilation is recommended to control emission near the source.
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Personal Protection

Eyes:	Safety glasses are recommended if risk of eye contact.
Skin:	Wear butyl rubber or neoprene gloves. Wash them after each use and replace as necessary. If conditions warrant, wear protective clothing such as boots, aprons, and coveralls to prevent skin contact.
Respiratory:	If misting occurs, use NIOSH approved organic vapor/acid gas dual cartridge respirator with a dust/mist prefilter in accordance with 29 CFR 1910.134.

Section 9. Physical and Chemical Properties

Physical State and Appearance:	Liquid Emulsion, Straw, Opaque
Specific Gravity:	1.038 @ 20°C
pH:	N/A
Freezing Point:	32°F
Flash Point:	>212°F
Odor:	Mild
Melting Point:	N/A
Initial Boiling Point and Boiling Range:	N/D
Solubility in Water:	Complete
Evaporation Rate:	N/D
Vapor Density:	N/D
Molecular Weight:	N/D
Viscosity:	<1500 CPS @ 20°C
Flammability (solid, gas):	N/D
Flammable Limits:	N/A
Autoignition Temperature:	N/A
Density:	8.66 LB/GA
Vapor Pressure:	N/D
% VOC:	N/D
Odor Threshold	N/D
n-octanol Partition Coefficient	N/D
Decomposition Temperature	N/D



Section 10. Stability and Reactivity

Chemical Stability:	Stable at normal temperatures and pressures.
Incompatibility with Various Substances:	Strong oxidizers.
Hazardous Decomposition Products:	Oxides of carbon, Oxides of nitrogen.
Possibility of Hazardous Reactions:	None known.
Reactivity:	N/D
Conditions To Avoid:	N/D

Section 11. Toxicological Information

Acute Toxicity

Chemical Name	Exposure	Type of Effect	Concentration	Species
paperpro® PG906	Oral	LD50	>5000 MG/KG	Rat

Carcinogenicity Category

Component	Source	Code	Brief Description
Components not listed are either non hazardous or in concentration of less than 1%	N/E	N/E	N/E

Likely Routes of Exposure: N/D

Symptoms

Inhalation:	N/D
Eye Contact:	N/D
Skin Contact:	N/D
Ingestion:	N/D

Skin Corrosion/Irritation: N/D



Serious Eye Damage/Eye Irritation: N/D

Sensitization: N/D

Germ Cell Mutagenicity: N/D

Reproductive/Developmental Toxicity: N/D

Specific Target Organ Toxicity

 Single Exposure: N/D

 Repeated Exposure: N/D

Aspiration Hazard: N/D

Comments: None.

Section 12. Ecological Information

Ecotoxicity

Species	Duration	Type of Effect	Test Results
Fathead Minnow	96h	LC50	28,942 mg/l
Ceriodaphnia dubia	48h	LC50	0.625 mg/l
Mysid Shrimp	48h	LC50	4.6 mg/l
Inland Silverside	96h	LC50	92 mg/l

Persistence and Biodegradability: N/D

Bioaccumulative Potential: N/D

Mobility In Soil: N/D

Other Adverse Effects: N/D

Comments: Water clarification polymers function by multipoint adsorption and charge neutralization with suspended solids. Polymers inherently migrate with solids in the separation process and with the exception of uneconomic overdose do not remain in the clarified waters. Aquatic toxicity determinations in test method protocol waters without suspended solids overestimate the toxicity compared to natural receiving waters.



Section 13. Disposal Considerations

Dispose of in accordance with local, state and federal regulations.
Not a RCRA-regulated hazardous waste when disposed in the original product form.

Section 14. Transport Information

Controlling Regulation	UN/NA#:	Proper Shipping Name:	Technical Name:	Hazard Class:	Packing Group:
DOT	N/A	COMPOUND, INDUSTRIAL WATER TREATMENT, LIQUID	N/A	N/A	N/A
IMDG	N/A	COMPOUND, INDUSTRIAL WATER TREATMENT, LIQUID	N/A	N/A	N/A
ICAO	N/A	COMPOUND, INDUSTRIAL WATER TREATMENT, LIQUID	N/A	N/A	N/A
TDG	N/A	COMPOUND, INDUSTRIAL WATER TREATMENT, LIQUID	N/A	N/A	N/A

Note: N/A

Section 15. Regulatory Information

Inventory Status

United States (TSCA):
Canada (DSL/NDSL):

All ingredients listed.
All ingredients listed.



Federal Regulations

SARA Title III Rules

Sections 311/312 Hazard Classes

Fire Hazard:	No
Reactive Hazard:	No
Release of Pressure:	No
Acute Health Hazard:	No
Chronic Health Hazard:	No

Other Sections

Component	Section 313 Toxic Chemical	Section 302 EHS TPQ	CERCLA RQ
Components not listed are either non hazardous or in concentration of less than 1%	N/A	N/A	N/A

Comments: None.

State Regulations

California Proposition 65: This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm: residual acrylamide.

Special Regulations

Component	States
Components not listed are either non hazardous or in concentration of less than 1%	None.

Compliance Information

NSF:	N/A
Food Regulations:	FDA: Complies with 21 CFR 176.170 and 21 CFR 176.180 for use in paper and paperboard which contacts food.
KOSHER:	This product has not been evaluated for Kosher approval.
Halal:	This product has not been evaluated for Halal approval.
FIFRA:	N/A
Other:	None



Comments: None.

Section 16. Other Information

HMIS Hazard Rating

Health:	0
Flammability:	1
Physical Hazard:	0
PPE:	X

Notes: The PPE rating depends on circumstances of use. See Section 8 for recommended PPE.
The Hazardous Material Information System (HMIS) is a voluntary, subjective alpha-numeric symbolic system for recommending hazard risk and personal protection equipment information. It is a subjective rating system based on the evaluator's understanding of the chemical associated risks. The end-user must determine if the code is appropriate for their use.

Abbreviations

Abbreviation	Definition
<	Less Than
>	Greater Than
ACGIH	American Conference of Governmental Industrial Hygienists
EHS	Environmental Health and Safety Dept
N/A	Not Applicable
N/D	Not Determined
N/E	Not Established
OSHA	Occupational Health and Safety Dept
PEL	Personal Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weight Average
UNK	Unknown

Prepared by: Product Compliance Department; ProductCompliance@chemtreat.com

Revision Date: February 7, 2019



Disclaimer

Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, ChemTreat, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will ChemTreat, Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature are made hereunder with respect to information or the product to which information refers.

Attachment 8(g)
P831E SDS



SAFETY DATA SHEET

1. Identification

Product identifier P831E
Other means of identification None.
Recommended use Water Clarification/Solids Conditioning Agent
Recommended restrictions None known.
Manufacturer/Importer/Supplier/Distributor information
Manufacturer
Company name ChemTreat, Inc.
Address 5640 Cox Road
Glen Allen, VA 23060
United States
Telephone 800-648-4579
Website chemtreat.com
E-mail productcompliance@chemtreat.com
Emergency phone number 800-424-9300

2. Hazard(s) identification

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.
OSHA defined hazards Not classified.
Label elements
Hazard symbol None.
Signal word None.
Hazard statement The mixture does not meet the criteria for classification.
Precautionary statement
Prevention Not available.
Response Not available.
Storage Not available.
Disposal Not available.
Hazard(s) not otherwise classified (HNOC) None known.
Supplemental information None.

3. Composition/information on ingredients

Mixtures

The manufacturer lists no ingredients as hazardous to health according to OSHA 29 CFR 1910.1200.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact Rinse with water. Get medical attention if irritation develops and persists.
Ingestion Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed Treat symptomatically.

General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
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5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	<p>This product is miscible in water.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p>
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits	This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	Opaque
Physical state	Emulsion.
Form	Emulsion

Color	White.
Odor	Mild
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	32.00 °F (0 °C)
Initial boiling point and boiling range	Not available.
Flash point	Does not flash.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Similar to water
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Completely miscible
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Pounds per gallon	8.71
Specific gravity	1 - 1.05 @ 20C
VOC	26 %w/w

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.
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Information on toxicological effects

Acute toxicity	Not known.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Not listed.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)	
Not regulated.	
US. National Toxicology Program (NTP) Report on Carcinogens	
Not listed.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.

12. Ecological information

Ecotoxicity	<p>The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.</p> <p>Water clarification polymers function by multipoint adsorption and charge neutralization with suspended solids. Polymers inherently migrate with solids in the separation process and with the exception of uneconomic overdose do not remain in the clarified waters. Aquatic toxicity determinations in test method protocol waters without suspended solids overestimate the toxicity compared to natural receiving waters.</p>
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Product	Species	Test Results
P831E		
Aquatic		
Acute		
Crustacea	LC50	Water flea (<i>Ceriodaphnia dubia</i>) 0.1182 mg/l, 48 h
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) 0.7009 mg/l, 96 h
Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.	
Bioaccumulative potential	No data available.	
Mobility in soil	This product is miscible in water and may not disperse in soil.	
Other adverse effects	The product contains volatile organic compounds which have a photochemical ozone creation potential.	

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport informat

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

15. Regulatory information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

California Proposition 65

WARNING: This product contains trace levels of a chemical known to the State of California to cause cancer and birth defects or other reproductive harm, Acrylamide (CAS 79-06-1). For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revis

Issue date 04-26-2023
Revision date 06-13-2023
Version # 02
HMIS® ratings Health: 0
Flammability: 1
Physical hazard: 0
Personal protection: X

Disclaimer

ChemTreat, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, ChemTreat, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will ChemTreat, Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature are made hereunder with respect to information or the product to which information refers.

Other information

Prepared by: Product Compliance Department; ProductCompliance@chemtreat.com

Attachment 8(h)

P891L SDS



SAFETY DATA SHEET

1. Identification

Product identifier P891L
Other means of identification None.
Recommended use Water Clarification Agent
Recommended restrictions None known.
Manufacturer/Importer/Supplier/Distributor information
Manufacturer
Company name ChemTreat, Inc.
Address 5640 Cox Road
Glen Allen, VA 23060
United States
Telephone 800-648-4579
Website chemtreat.com
E-mail productcompliance@chemtreat.com
Emergency phone number 800-424-9300

2. Hazard(s) identification

Physical hazards Not classified.
Health hazards Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2B
Environmental hazards Not classified.
OSHA defined hazards Not classified.

Label elements



Signal word Warning
Hazard statement Causes skin irritation. Causes eye irritation.
Precautionary statement
Prevention Wash thoroughly after handling. Wear protective gloves.
Response If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Storage Store away from incompatible materials.
Disposal Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC) None known.
Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Aluminum chloride hydroxide		1327-41-9	40-60

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. ACGIH Threshold Limit Values (TLV)

Components	Type	Value	Form
ACH 50% LIQUID (CAS 1327-41-9)	TWA	1 mg/m3	Respirable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)

Components	Type	Value
ACH 50% LIQUID (CAS 1327-41-9)	TWA	2 mg/m3

Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear appropriate chemical resistant clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Liquid. Liquid
Color	Not available.
Odor	Mild
Odor threshold	Not available.
pH	$\geq 3 - \leq 4.4$ 100
Melting point/freezing point	26.60 °F (-3.00 °C) =
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	> 0 - < 200 cps
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Pounds per gallon	11.13
Specific gravity	$\geq 1.32 - \leq 1.36$ @ 20C
VOC	0 %w/w

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
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Material name: P891L

2623 Version #: 04 Revision date: 07-26-2023 Issue date: 07-01-2020

SDS US

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Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
Eye contact	Causes eye irritation.
Ingestion	Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity	Not known.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes eye irritation.

Respiratory or skin sensitization

Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product			Species	Test Results
P891L				
Aquatic				
Crustacea	LC50	Ceriodaphnia dubia	5743 mg/l, 48 hours	
		Daphnia pulex	7071 mg/l, 48 hours	
Fish	IC25	Fathead minnow (Pimephales promelas)	13.9 mg/l, 7 days	
	LC50	Fathead minnow (Pimephales promelas)	3318 mg/l, 96 hours	
	NOEC	Fathead minnow (Pimephales promelas)	< 63 mg/l, 7 days	

Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.

15. Regulatory information

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.	
Toxic Substances Control Act (TSCA)		
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)		
Not regulated.		
CERCLA Hazardous Substance List (40 CFR 302.4)		
Not listed.		
SARA 304 Emergency release notification		
Not regulated.		
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)		
Not regulated.		
Superfund Amendments and Reauthorization Act of 1986 (SARA)		
SARA 302 Extremely hazardous substance		
Not listed.		
SARA 311/312 Hazardous chemical	Yes	
Classified hazard categories	Skin corrosion or irritation Serious eye damage or eye irritation	
SARA 313 (TRI reporting)		
Not regulated.		
Other federal regulations		
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List		
Not regulated.		
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)		
Not regulated.		

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Compliance Information: NSF Whitebook

Compliance Information: NSF Standard 60

This product is certified to NSF/ANSI Standard 60 for the following approved function:Coagulate/Flocculate. Maximum use rate for potable water - 250 mg/L. This product ships as NSF from:

09132 - Ashland VA
09133 - Eldridge IA
09131 - Nederland TX
4 USA
7 USA
8 USA
#10 USA
#14 CAN
#22 USA
#23 USA
#24 USA
#25 USA
#31 USA
#42 USA



16. Other information, including date of preparation or last revision

Issue date 07-01-2020
Revision date 07-26-2023
Version # 04

HMIS® ratings

Health: 1
Flammability: 0
Physical hazard: 0
Personal protection: X

Disclaimer

ChemTreat, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, ChemTreat, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will ChemTreat, Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature are made hereunder with respect to information or the product to which information refers.

Revision information

Product and Company Identification: Product and Company Identification
Physical and chemical properties: Form
Regulatory information: Compliance Information: NSF Location (STD-60)

Other information

Prepared by: Product Compliance Department; ProductCompliance@chemtreat.com

Attachment 8(i)

FO222 SDS



SAFETY DATA SHEET

1. Identification

Product identifier FO222

Other means of identification

Product code FO222

Recommended use Defoamer.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name ChemTreat

Address 5640 Cox Road
Glen Allen, VA 23060
United States

Telephone 800-648-4579

E-mail Not available.

Emergency phone number 800-424-9300

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement The mixture does not meet the criteria for classification.

Precautionary statement

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information 100% of the mixture consists of component(s) of unknown acute oral toxicity. 100% of the mixture consists of component(s) of unknown acute dermal toxicity. 100% of the mixture consists of component(s) of unknown acute inhalation toxicity. 100% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 100% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

The manufacturer lists no ingredients as hazardous to health according to OSHA 29 CFR 1910.1200.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	<p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p>
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits	This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid. Emulsion
Color	Not available.

Odor Mild

Odor threshold Not available.

pH 6 - 8.5

Melting point/freezing point < 32.00 °F (< 0 °C) <

Initial boiling point and boiling range Not available.

Flash point > 233.6 °F (> 112.0 °C) > Pensky-Martens Closed Cup

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity 400 - 3000 cps

Other information

Explosive properties Not explosive.

Flammability class Combustible IIIB estimated

Oxidizing properties Not oxidizing.

Pounds per gallon 8.3

Specific gravity 0.96 - 1.02 @ 20C

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation No adverse effects due to inhalation are expected.

Skin contact No adverse effects due to skin contact are expected.

Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.
Information on toxicological effects	
Acute toxicity	Not known.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Not listed.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)	
Not regulated.	
US. National Toxicology Program (NTP) Report on Carcinogens	
Not listed.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.		
Product	Species		Test Results
FO222			
Aquatic			
Acute			
Crustacea	LC50	Water flea (Ceriodaphnia dubia)	134 mg/l, 48 h
Fish	LC50	Fathead minnow (Pimephales promelas)	6632 mg/l, 96 h
Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.		
Bioaccumulative potential	No data available.		
Mobility in soil	No data available.		
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

15. Regulatory information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Compliance Information: Food Regulations

21 CFR 176.210

16. Other information, including date of preparation or last revision

Issue date 09-13-2021

Revision date 06-02-2022

Version #
HMIS® ratings

02
Health: 1
Flammability: 1
Physical hazard: 0
Personal protection: X

Disclaimer

ChemTreat cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, ChemTreat, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will ChemTreat, Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature are made hereunder with respect to information or the product to which information refers.

Other information

Prepared by: Product Compliance Department; ProductCompliance@chemtreat.com

Attachment 8(j)
CL6033 SDS



SAFETY DATA SHEET

1. Identification

Product identifier CL6033

Other means of identification

Product code CL6033

Recommended use Cooling Water Treatment

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name ChemTreat, Inc.

Address 5640 Cox Road
Glen Allen, VA 23060
United States

Telephone 800-648-4579

Website chemtreat.com

E-mail productcompliance@chemtreat.com

Emergency phone number 800-424-9300

2. Hazard(s) Identification

Physical hazards Not classified.

Health hazards Skin corrosion/irritation Category 1
Serious eye damage/eye irritation Category 1
Reproductive toxicity Category 2

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement Causes severe skin burns and eye damage. Causes serious eye damage. Suspected of damaging fertility or the unborn child.

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapors. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Wash contaminated clothing before reuse.

Storage

Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information 3.71% of the mixture consists of component(s) of unknown acute inhalation toxicity.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Disodium tetraborate pentahydrate		12179-04-3	10 - < 20
Potassium Hydroxide		1310-58-3	3 - < 5
Other components below reportable levels			80 - < 90

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
General Information	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
Environmental precautions	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapors. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
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Conditions for safe storage,
including any incompatibilities

Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US, ACGIH Threshold Limit Values (TLV)

Components	Type	Value	Form
Disodium tetraborate pentahydrate (CAS 12179-04-3)	STEL	6 mg/m3	Inhalable fraction.
	TWA	2 mg/m3	Inhalable fraction.
Potassium Hydroxide (CAS 1310-58-3)	Ceiling	2 mg/m3	

US, NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)

Components	Type	Value
Disodium tetraborate pentahydrate (CAS 12179-04-3)	TWA	1 mg/m3
Potassium Hydroxide (CAS 1310-58-3)	Ceiling	2 mg/m3

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection	Chemical respirator with organic vapor cartridge and full facepiece.
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	Chemical respirator with organic vapor cartridge and full facepiece.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid. Liquid
Color	Not available.
Odor	Mild
Odor threshold	Not available.
pH	≥ 12.5 - ≤ 14 100
Melting point/freezing point	21.20 °F (-6.00 °C) =
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.

Upper/lower flammability or explosive limits

Explosive limit - lower (%)	Not available.
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Material name: CL6033

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Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	> 0 - < 200 cps
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Pounds per gallon	10.07
Specific gravity	≥ 1.2 - ≤ 1.21 @ 20C
VOC	0 %w/w

10. Stability and reactivity

Reactivity	Reacts violently with strong acids. This product may react with oxidizing agents.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Contact with incompatible materials. Do not mix with other chemicals.
Incompatible materials	Acids. Oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact	Causes severe skin burns.
Eye contact	Causes serious eye damage.
Ingestion	Causes digestive tract burns.

Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
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Information on toxicological effects

Acute toxicity	Not known.
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity	Suspected of damaging fertility or the unborn child.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product	Species	Test Results
CL6033		
Aquatic		
Crustacea	IC25	Ceriodaphnia dubia 569 mg/l, 7 days
	LC50	Ceriodaphnia dubia 2741 mg/l, 48 hours
	LOEC	Ceriodaphnia dubia 1000 mg/l, 7 days
	NOEC	Ceriodaphnia dubia 500 mg/l, 7 days
Fish	LC50	Fathead minnow (Pimephales promelas) 3299 mg/l, 96 hours
Components	Species	Test Results

Potassium Hydroxide (CAS 1310-58-3)

Aquatic

Acute

Fish	LC50	Western mosquitofish (Gambusia affinis)	85 mg/l, 24 hours
			80 mg/l, 48 hours
			80 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	D002: Waste Corrosive material [pH ≤2 or ≥12.5, or corrosive to steel] The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

UN number	UN3266
UN proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. (Potassium Hydroxide)
Transport hazard class(es)	
Class	8

Material name: CL6033

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Subsidiary risk	-
Label(s)	8
Packing group	II
Environmental hazards	
Marine pollutant	No.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	386, B2, IB2, T11, TP2, TP27
Packaging exceptions	154
Packaging non bulk	202
Packaging bulk	242

IATA

UN number	UN3266
UN proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. (Potassium Hydroxide)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Packing group	II
Environmental hazards	No.
ERG Code	8L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

IMDG

UN number	UN3266
UN proper shipping name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium Hydroxide)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Packing group	II
Environmental hazards	
Marine pollutant	No.
EmS	F-A, S-B
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.

DOT



IATA; IMDG



15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Potassium Hydroxide (CAS 1310-58-3) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

Yes

Classified hazard categories

Skin corrosion or irritation
Serious eye damage or eye irritation
Reproductive toxicity

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Disodium tetraborate pentahydrate (CAS 12179-04-3)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Compliance Information: Halal

Compliance Information: Kosher

This product is certified by the Orthodox Unionas Kosher pareve

Ashland, VA

Eldridge, IA

Nederland, TX



16. Other information, including date of preparation or last revision

Issue date	05-12-2023
Revision date	08-17-2023
Version #	03
HMIS® ratings	Health: 3 Flammability: 0 Physical hazard: 1 Personal protection: X

Disclaimer

ChemTreat, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, ChemTreat, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will ChemTreat, Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature are made hereunder with respect to information or the product to which information refers.

Revision information This document has undergone significant changes and should be reviewed in its entirety.

Other information Prepared by: Product Compliance Department; ProductCompliance@chemtreat.com

Attachment 9

Lab NELAC Certification

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 17, 2024

Mr. Charles F. Wallgren
Wallgren Environmental Services, Inc. dba Pollution Control Services
1532 Universal City Boulevard, Suite 100
Universal City, TX 78148-3318

Subject: Texas NELAP accreditation renewal

Dear Mr. Wallgren:

I am pleased to advise you the Texas Commission on Environmental Quality is renewing your laboratory's NELAP. The accreditation is valid until the expiration date on the certificate and scope, contingent on continued compliance with the standards for accreditation and requirements of the state of Texas.

I am enclosing an accreditation certificate and listing of your laboratory's fields of accreditation. Please review the enclosures for accuracy and completeness.

Please contact me at frank.jamison@tceq.texas.gov if I can provide any additional information or assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Frank Jamison", with a long horizontal stroke extending to the right.

Frank Jamison
Data and Records Specialist

Enclosures

TCEQ Accreditation Certificate

Wallgren Environmental Services, Inc. dba Pollution
Control Services

State Lab ID: T104704361

Document ID: TX-C24-00022

Effective Date: 02/01/2024

Expiration Date: 01/31/2025



Texas Commission on
Environmental Quality

Certificate of Accreditation



Accreditation is hereby granted to

Wallgren Environmental Services, Inc. dba Pollution Control Services

1532 Universal City Boulevard, Suite 100
Universal City, TX 78148-3318

State Lab ID: T104704361
Effective Date: 02/01/2024
Expiration Date: 01/31/2025
Document ID: TX-C24-00022

Conditions of Accreditation

This laboratory has been found to conform with TCEQ rules and applicable standards for laboratory accreditation. The scope of accreditation is limited to the Fields of Accreditation specifically listed on the subsequent page(s) of this certificate. Accreditation is for all version of a method approved per 40 CFR 136, 40 CFR 141, and/or 40 CFR 143. Continued accreditation requires ongoing compliance with all applicable standards and requirements.

A handwritten signature in black ink, appearing to read "K Keel".

Issued By: Kelly Keel, Executive Director Texas Commission on Environmental Quality
Date Issued: 02/01/2024

TCEQ Accreditation CertificateWallgren Environmental Services, Inc. dba Pollution
Control Services

State Lab ID: T104704361

Document ID: TX-C24-00022

Effective Date: 02/01/2024

Expiration Date: 01/31/2025

Laboratory Fields of Accreditation

Matrix	Method	Method Code	Analyte	Analyte Code	AB
DW	EPA 200.7	10013806	Aluminum	1000	TX
DW	EPA 200.7	10013806	Antimony	1005	TX
DW	EPA 200.7	10013806	Arsenic	1010	TX
DW	EPA 200.7	10013806	Barium	1015	TX
DW	EPA 200.7	10013806	Beryllium	1020	TX
DW	EPA 200.7	10013806	Cadmium	1030	TX
DW	EPA 200.7	10013806	Chromium	1040	TX
DW	EPA 200.7	10013806	Cobalt	1050	TX
DW	EPA 200.7	10013806	Copper	1055	TX
DW	EPA 200.7	10013806	Iron	1070	TX
DW	EPA 200.7	10013806	Lead	1075	TX
DW	EPA 200.7	10013806	Magnesium	1085	TX
DW	EPA 200.7	10013806	Manganese	1090	TX
DW	EPA 200.7	10013806	Molybdenum	1100	TX
DW	EPA 200.7	10013806	Nickel	1105	TX
DW	EPA 200.7	10013806	Selenium	1140	TX
DW	EPA 200.7	10013806	Silica as SiO ₂	1990	TX
DW	EPA 200.7	10013806	Silver	1150	TX
DW	EPA 200.7	10013806	Sodium	1155	TX
DW	EPA 200.7	10013806	Strontium	1160	TX
DW	EPA 200.7	10013806	Vanadium	1185	TX
DW	EPA 200.7	10013806	Zinc	1190	TX
DW	EPA 200.8	10014605	Aluminum	1000	TX
DW	EPA 200.8	10014605	Antimony	1005	TX
DW	EPA 200.8	10014605	Arsenic	1010	TX
DW	EPA 200.8	10014605	Barium	1015	TX
DW	EPA 200.8	10014605	Beryllium	1020	TX
DW	EPA 200.8	10014605	Cadmium	1030	TX
DW	EPA 200.8	10014605	Chromium	1040	TX
DW	EPA 200.8	10014605	Copper	1055	TX
DW	EPA 200.8	10014605	Lead	1075	TX
DW	EPA 200.8	10014605	Manganese	1090	TX
DW	EPA 200.8	10014605	Nickel	1105	TX
DW	EPA 200.8	10014605	Selenium	1140	TX
DW	EPA 200.8	10014605	Silver	1150	TX
DW	EPA 200.8	10014605	Zinc	1190	TX
DW	EPA 300.0	10053200	Bromide	1540	TX

TCEQ Accreditation Certificate

Wallgren Environmental Services, Inc. dba Pollution Control Services

State Lab ID: T104704361

Document ID: TX-C24-00022

Effective Date: 02/01/2024

Expiration Date: 01/31/2025

DW	EPA 300.0	10053200	Chloride	1575	TX
DW	EPA 300.0	10053200	Chlorite	1595	TX
DW	EPA 300.0	10053200	Fluoride	1730	TX
DW	EPA 300.0	10053200	Nitrate as N	1810	TX
DW	EPA 300.0	10053200	Nitrite as N	1840	TX
DW	EPA 300.0	10053200	Sulfate	2000	TX
DW	SM 2510 B	20048004	Conductivity	1610	TX
DW	SM 2540 C	20049803	Residue-filterable (TDS)	1955	TX
DW	SM 4500-NO ₂ ⁻ B	20024004	Nitrite as N	1840	TX
DW	SM 9223 B (Colilert Quanti-Tray)	20211603	Escherichia coli (E. coli)	2525	TX
DW	SM 9223 B (Colilert Quanti-Tray)	20211603	Total coliforms	2500	TX
DW	SM 9223 B (Colilert)	20212413	Total coliforms and E. coli (P/A)	2502	TX
DW	SM 9223 B (Colilert-18)	20214602	Escherichia coli (E. coli)	2525	TX
DW	SM 9223 B (Colilert-18)	20214602	Total coliforms	2500	TX
DW	SM 9223 B (Colilert-18)	20214602	Total coliforms and E. coli (P/A)	2502	TX
NPW	Colilert	60002600	Escherichia coli (E. coli)	2525	TX
NPW	Enterolert	60030208	Enterococci	2520	TX
NPW	EPA 120.1	10006403	Conductivity	1610	TX
NPW	EPA 1311	10118806	Toxicity Characteristic Leaching Procedure (TCLP)	1466	TX
NPW	EPA 1312	10119003	Synthetic Precipitation Leaching Procedure (SPLP)	1460	TX
NPW	EPA 1664	10127807	n-Hexane Extractable Material (O&G)	1803	TX
NPW	EPA 180.1	10011606	Turbidity	2055	TX
NPW	EPA 200.7	10013806	Aluminum	1000	TX
NPW	EPA 200.7	10013806	Antimony	1005	TX
NPW	EPA 200.7	10013806	Arsenic	1010	TX
NPW	EPA 200.7	10013806	Barium	1015	TX
NPW	EPA 200.7	10013806	Beryllium	1020	TX
NPW	EPA 200.7	10013806	Cadmium	1030	TX
NPW	EPA 200.7	10013806	Calcium	1035	TX
NPW	EPA 200.7	10013806	Chromium	1040	TX
NPW	EPA 200.7	10013806	Cobalt	1050	TX
NPW	EPA 200.7	10013806	Copper	1055	TX
NPW	EPA 200.7	10013806	Iron	1070	TX
NPW	EPA 200.7	10013806	Lead	1075	TX
NPW	EPA 200.7	10013806	Magnesium	1085	TX
NPW	EPA 200.7	10013806	Manganese	1090	TX
NPW	EPA 200.7	10013806	Molybdenum	1100	TX

TCEQ Accreditation Certificate

Wallgren Environmental Services, Inc. dba Pollution
Control Services

State Lab ID: T104704361

Document ID: TX-C24-00022

Effective Date: 02/01/2024

Expiration Date: 01/31/2025

NPW	EPA 200.7	10013806	Nickel	1105	TX
NPW	EPA 200.7	10013806	Potassium	1125	TX
NPW	EPA 200.7	10013806	Selenium	1140	TX
NPW	EPA 200.7	10013806	Silver	1150	TX
NPW	EPA 200.7	10013806	Sodium	1155	TX
NPW	EPA 200.7	10013806	Strontium	1160	TX
NPW	EPA 200.7	10013806	Thallium	1165	TX
NPW	EPA 200.7	10013806	Vanadium	1185	TX
NPW	EPA 200.7	10013806	Zinc	1190	TX
NPW	EPA 200.8	10014605	Aluminum	1000	TX
NPW	EPA 200.8	10014605	Antimony	1005	TX
NPW	EPA 200.8	10014605	Arsenic	1010	TX
NPW	EPA 200.8	10014605	Barium	1015	TX
NPW	EPA 200.8	10014605	Beryllium	1020	TX
NPW	EPA 200.8	10014605	Cadmium	1030	TX
NPW	EPA 200.8	10014605	Chromium	1040	TX
NPW	EPA 200.8	10014605	Cobalt	1050	TX
NPW	EPA 200.8	10014605	Copper	1055	TX
NPW	EPA 200.8	10014605	Iron	1070	TX
NPW	EPA 200.8	10014605	Lead	1075	TX
NPW	EPA 200.8	10014605	Manganese	1090	TX
NPW	EPA 200.8	10014605	Molybdenum	1100	TX
NPW	EPA 200.8	10014605	Nickel	1105	TX
NPW	EPA 200.8	10014605	Selenium	1140	TX
NPW	EPA 200.8	10014605	Silver	1150	TX
NPW	EPA 200.8	10014605	Strontium	1160	TX
NPW	EPA 200.8	10014605	Thallium	1165	TX
NPW	EPA 200.8	10014605	Vanadium	1185	TX
NPW	EPA 200.8	10014605	Zinc	1190	TX
NPW	EPA 245.1	10036609	Mercury	1095	TX
NPW	EPA 245.7	10038003	Mercury	1095	TX
NPW	EPA 300.0	10053200	Chloride	1575	TX
NPW	EPA 300.0	10053200	Fluoride	1730	TX
NPW	EPA 300.0	10053200	Nitrate as N	1810	TX
NPW	EPA 300.0	10053200	Nitrite as N	1840	TX
NPW	EPA 300.0	10053200	Orthophosphate as P	1870	TX
NPW	EPA 300.0	10053200	Sulfate	2000	TX
NPW	EPA 352.1	10066601	Nitrate as N	1810	TX
NPW	EPA 6010	10155609	Aluminum	1000	TX
NPW	EPA 6010	10155609	Antimony	1005	TX
NPW	EPA 6010	10155609	Arsenic	1010	TX

TCEQ Accreditation Certificate

Wallgren Environmental Services, Inc. dba Pollution
Control Services

State Lab ID: T104704361

Document ID: TX-C24-00022

Effective Date: 02/01/2024

Expiration Date: 01/31/2025

NPW	EPA 6010	10155609	Barium	1015	TX
NPW	EPA 6010	10155609	Beryllium	1020	TX
NPW	EPA 6010	10155609	Cadmium	1030	TX
NPW	EPA 6010	10155609	Calcium	1035	TX
NPW	EPA 6010	10155609	Chromium	1040	TX
NPW	EPA 6010	10155609	Cobalt	1050	TX
NPW	EPA 6010	10155609	Copper	1055	TX
NPW	EPA 6010	10155609	Iron	1070	TX
NPW	EPA 6010	10155609	Lead	1075	TX
NPW	EPA 6010	10155609	Magnesium	1085	TX
NPW	EPA 6010	10155609	Manganese	1090	TX
NPW	EPA 6010	10155609	Molybdenum	1100	TX
NPW	EPA 6010	10155609	Nickel	1105	TX
NPW	EPA 6010	10155609	Potassium	1125	TX
NPW	EPA 6010	10155609	Selenium	1140	TX
NPW	EPA 6010	10155609	Silver	1150	TX
NPW	EPA 6010	10155609	Sodium	1155	TX
NPW	EPA 6010	10155609	Strontium	1160	TX
NPW	EPA 6010	10155609	Thallium	1165	TX
NPW	EPA 6010	10155609	Vanadium	1185	TX
NPW	EPA 6010	10155609	Zinc	1190	TX
NPW	HACH 8000	60003001	Chemical Oxygen Demand (COD)	1565	TX
NPW	SM 2320 B	20045005	Alkalinity as CaCO3	1505	TX
NPW	SM 2540 C	20049803	Residue-filterable (TDS)	1955	TX
NPW	SM 2540 D	20004802	Residue-nonfilterable (TSS)	1960	TX
NPW	SM 3500-Cr B	20065809	Chromium (VI)	1045	TX
NPW	SM 4500-Cl ⁻ B	20083801	Chloride	1575	TX
NPW	SM 4500-H ⁺ B	20104603	pH	1900	TX
NPW	SM 4500-NH3 D	20108809	Ammonia as N	1515	TX
NPW	SM 4500-NH3 E	20023807	Total Kjeldahl Nitrogen - (TKN)	1790	TX
NPW	SM 4500-NO2 ⁻ B	20024004	Nitrite as N	1840	TX
NPW	SM 4500-P E	20025803	Orthophosphate as P	1870	TX
NPW	SM 4500-P E	20025803	Total Phosphorus	1910	TX
NPW	SM 5210 B	20027401	Biochemical Oxygen Demand (BOD)	1530	TX
NPW	SM 5210 B	20027401	Carbonaceous BOD (CBOD)	1555	TX
NPW	SM 5310 C	20138209	Total Organic Carbon (TOC)	2040	TX
NPW	SM 9223 B (Colilert-18 Quanti-Tray)	20212800	Escherichia coli (E. coli)	2525	TX
S	EPA 1311	10118806	Toxicity Characteristic Leaching Procedure (TCLP)	1466	TX
S	EPA 1312	10119003	Synthetic Precipitation Leaching Procedure (SPLP)	1460	TX

TCEQ Accreditation CertificateWallgren Environmental Services, Inc. dba Pollution
Control Services

State Lab ID: T104704361

Document ID: TX-C24-00022

Effective Date: 02/01/2024

Expiration Date: 01/31/2025

S	EPA 6010	10155201	Antimony	1005	TX
S	EPA 6010	10155201	Arsenic	1010	TX
S	EPA 6010	10155201	Barium	1015	TX
S	EPA 6010	10155201	Cadmium	1030	TX
S	EPA 6010	10155201	Chromium	1040	TX
S	EPA 6010	10155201	Copper	1055	TX
S	EPA 6010	10155201	Lead	1075	TX
S	EPA 6010	10155201	Manganese	1090	TX
S	EPA 6010	10155201	Molybdenum	1100	TX
S	EPA 6010	10155201	Nickel	1105	TX
S	EPA 6010	10155201	Selenium	1140	TX
S	EPA 6010	10155201	Thallium	1165	TX
S	EPA 6010	10155201	Total Phosphorus	1910	TX
S	EPA 6010	10155201	Zinc	1190	TX
S	EPA 7470	10165603	Mercury	1095	TX
S	EPA 7471	10166004	Mercury	1095	TX

Attachment 10(a)
Week 1 Analyticals

POLLUTION CONTROL SERVICES



REVISED

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Peshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 08/13/2024 1020	PCS Sample #: 771277 Page 1 of 5 Date/Time Received: 08/13/2024 13:07 Report Date: 09/09/2024 Approved by: Chuck Wallgren, President

Test Description	Flag	Result	Units	RL	Analysis Date/Time	Method	Analyst
pH	1	7.8	S.U.	N/A	08/13/2024 17:29	SM 4500-H+ B	GOM
BOD5		<4	mg/L	3	08/13/2024 17:29	SM 5210 B	GOM
CBOD5		<4	mg/L	3	08/13/2024 17:29	SM 5210 B	GOM
Chemical Oxygen Demand		<20	mg/L	20	08/26/2024 05:45	HACH 8000	JAS
Chloride_IC		202	mg/L	5	08/13/2024 05:34	EPA 300.0	JAS
Coliform, Fecal	E	0	CFU/100 ml	N/A	08/13/2024 14:15	SM 9223 B	CLH
Conductivity, Specific		1,848	µmhos/cm at 25° C	1	08/13/2024 17:08	SM 2510B	LCC
Nitrate-N_IC		6.1	mg/L	0.5	08/13/2024 05:34	EPA 300.0	JAS

Test Description	Precision	Limit	Quality Assurance Summary	LCL	MS	MSD	ECL	LCS	LCS Limit	Blank
pH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	212	167 - 228
BOD5	12	23	N/A	N/A	N/A	N/A	N/A	N/A	212	167 - 228
CBOD5	12	23	N/A	N/A	N/A	N/A	N/A	N/A	212	167 - 228
Chemical Oxygen Demand	2	10	87	96	98	99	114	105	85 - 115	
Chloride_IC	<1	10	95	98	99		102	94	85 - 115	
Coliform, Fecal	N/A	N/A	N/A	N/A			N/A			
Conductivity, Specific	N/A	N/A	N/A	N/A			N/A			
Nitrate-N_IC	5	20	70	100	106	130	105	85 - 115		

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

i: Not covered under NELAP Scope of Accreditation
 1: Informational purposes only - pH outside hold time - pH Temperature: 29°C

These analytical results relate only to the sample tested.
 All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.
 RL = Reporting Limits
 QC Data Reported in %, Except BOD in mg/L
 1 - See Sample Log In Checklist Comments for Revision Information

POLLUTION CONTROL SERVICES



REVISED¹

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Penshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 08/13/2024 1020	PCS Sample #: 771277 Page 2 of 5 Date/Time Received: 08/13/2024 13:07 Report Date: 09/09/2024

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Phosphorus, Total	0.1	mg/L	0.10	08/19/2024 00:00	SM 4500-P/B/E	JAS
Sulfate _{IC}	446	mg/L	5	08/13/2024 05:34	EPA 300.0	JAS
Total Dissolved Solids	1,212	mg/L	10	08/15/2024 14:10	SM 2540C	PML
Total Suspended Solids	10	mg/L	1	08/14/2024 10:00	SM 2540 D	PML
Ammonia-N (ISE)	<0.1	mg/L	0.1	08/13/2024 15:00	SM 4500-NH3 D	BMR
Fluoride _{IC}	0.74	mg/L	0.5	08/13/2024 05:34	EPA 300.0	JAS
Kjeldahl-N, Total	3	mg/L	1	08/21/2024 11:00	SM 4500-N B/C	BMR
Nitrogen, Total	9.1	mg/L	1	08/21/2024 11:00	Calculation	CFW

Quality Assurance Summary

Test Description	Precision	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Phosphorus, Total	1	10	91	98	99	103	100	85 - 115	
Sulfate _{IC}	<1	10	94	98	98	101	103	85 - 115	
Total Dissolved Solids	8	10	N/A	N/A	N/A	N/A			
Total Suspended Solids	2	10	N/A			N/A			
Ammonia-N (ISE)	2	10	80	108	110	120	88	85 - 115	
Fluoride _{IC}	1	10	87	93	94	105	95	85 - 115	
Kjeldahl-N, Total	1	10	90	98	99	109	101	85 - 115	
Nitrogen, Total	N/A	N/A	N/A			N/A			

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

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

1 - See Sample LogIn Checklist Comments for Revision Information

POLLUTION CONTROL SERVICES



REVISED

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Peshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 08/13/2024 1020	PCS Sample #: 771277 Page 3 of 5 Date/Time Received: 08/13/2024 13:07 Report Date: 09/09/2024

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Oil and Grease (H.E.M.)	<5.0	mg/L	5	08/26/2024 09:15	EPA 1664 Rev	EMV
Arsenic/ICP MS	0.0020	mg/L	0.0005	08/15/2024 13:04	EPA 200.8	DJL
Barium/ICP (Total)	0.073	mg/L	0.003	08/16/2024 14:22	EPA 200.7 / 6010 B	DJL
Cadmium/ICP (Total)	<0.001	mg/L	0.001	08/16/2024 14:22	EPA 200.7 / 6010 B	DJL
Chromium/ICP (Total)	0.006	mg/L	0.003	08/16/2024 14:22	EPA 200.7 / 6010 B	DJL
Copper/ICP (Total)	0.042	mg/L	0.002	08/16/2024 14:22	EPA 200.7 / 6010 B	DJL
Lead/ICP MS	0.0023	mg/L	0.0005	08/15/2024 13:04	EPA 200.8	DJL
Aluminum/ICP (Total)	0.220	mg/L	0.0025	08/16/2024 14:22	EPA 200.7 / 6010 B	DJL

Test Description	Precision	Limit	Quality Assurance Summary	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
------------------	-----------	-------	---------------------------	-----	----	-----	-----	-----	-----------	-------

Oil and Grease (H.E.M.)	2	18	N/A	N/A	N/A	N/A	N/A	93	78 - 114	
Arsenic/ICP MS	2	20	70	104	102	130	103	103	85 - 115	
Barium/ICP (Total)	<1	20	75	91	91	125	100	100	85 - 115	
Cadmium/ICP (Total)	<1	20	75	96	96	125	105	105	85 - 115	
Chromium/ICP (Total)	<1	20	75	90	90	125	100	100	85 - 115	
Copper/ICP (Total)	<1	20	75	96	96	125	100	100	85 - 115	
Lead/ICP MS	1	20	70	108	106	130	107	107	85 - 115	
Aluminum/ICP (Total)	<1	20	75	105	105	125	100	100	85 - 115	

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

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

1 - See Sample LogIn Checklist Comments for Revision Information

POLLUTION CONTROL SERVICES



REVISED

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Peshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 08/13/2024 1020	PCS Sample #: 771277 Page 4 of 5 Date/Time Received: 08/13/2024 13:07 Report Date: 09/09/2024

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Antimony/ICP (Total)	<0.010	mg/L	0.010	08/16/2024 14:22	EPA 200.7 / 6010 B	DJL
Iron/ICP (Total)	3.60	mg/L	0.010	08/16/2024 14:22	EPA 200.7 / 6010 B	DJL
Manganese/ICP (Total)	0.065	mg/L	0.002	08/16/2024 14:22	EPA 200.7 / 6010 B	DJL
Nickel/ICP (Total)	0.020	mg/L	0.002	08/16/2024 14:22	EPA 200.7 / 6010 B	DJL
Silver/ICP (Total)	<0.0005	mg/L	0.0005	08/16/2024 14:22	EPA 200.7 / 6010 B	DJL
Zinc/ICP (Total)	0.056	mg/L	0.005	08/16/2024 14:22	EPA 200.7 / 6010 B	DJL
Selenium/ICP (Total)	<0.005	mg/L	0.005	08/16/2024 14:22	EPA 200.7 / 6010 B	DJL
Mercury/CVAFS	<0.000005	mg/L	0.000005	08/26/2024 09:10	EPA 245.7	DJL

Test Description **Precision** **Limit** **Quality Assurance Summary** **LCL** **MS** **MSD** **UCL** **LCS** **LCS Limit** **Blank**

Antimony/ICP (Total) <1 20 75 99 99 125 100 85 - 115

Iron/ICP (Total) <1 20 75 96 96 125 100 85 - 115

Manganese/ICP (Total) 1 20 75 89 90 125 100 85 - 115

Nickel/ICP (Total) <1 20 75 87 87 125 100 85 - 115

Silver/ICP (Total) 3 20 75 79 77 125 99 85 - 115

Zinc/ICP (Total) <1 20 75 89 89 125 105 85 - 115

Selenium/ICP (Total) <1 20 75 99 99 125 105 85 - 115

Mercury/CVAFS 10 20 70 86 77 130 90 70 - 130

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

POLLUTION CONTROL SERVICES



REVISED 1

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Peshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 08/13/2024 1020	PCS Sample #: 771277 Page 5 of 5 Date/Time Received: 08/13/2024 13:07 Report Date: 09/09/2024

Test Description	Flag	Result	Units	RL	Analysis Date/Time	Method	Analyst
Total Organic Carbon	N	5.48	mg/L	0.50	08/13/2024 21:00	SM 5310 C	DJL
Cyanide, Total	+					DHL	
Beryllium/ICP MS		<0.0005	mg/L	0.0005	08/15/2024 13:04	EPA 200.8	DJL
Thallium/ICP MS		<0.0005	mg/L	0.0005	08/15/2024 13:04	EPA 200.8	DJL
PCB, Total						DHL	
Volatiles 624						DHL	
Semi Volatiles 625						DHL	

Test Description	Quality Assurance Summary						Blank
	Precision	Limit	LCL	MS	MSD	UCL	
Total Organic Carbon	<1	10	80	101	101	120	100
Cyanide, Total	See Attached Report for Quality Assurance Information						
Beryllium/ICP MS	1	20	70	*N/C	*N/C	130	99
Thallium/ICP MS	<1	20	70	103	102	130	100
PCB, Total	See Attached Report for Quality Assurance Information						
Volatiles 624	See Attached Report for Quality Assurance Information						
Semi Volatiles 625	See Attached Report for Quality Assurance Information						

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

* Approved for release per QA Plan, Exception to Limits - QAM Section 13-4
 Subcontract Work - NELAP Certified Lab
 N TOC is Non-Purgeable Organic Carbon

These analytical results relate only to the sample tested.
 All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.
 RL = Reporting Limits
 *N/C = Not Calculated, Sample Concentration Greater than 5 times the Spike Level
 1 - See Sample LogIn Checklist Comments for Revision Information



August 23, 2024

Chuck Wallgren
Pollution Control Services
1532 Universal City Blvd. #100
Universal City, TX 78148

TEL: (210) 394-4570

FAX:

Order No.: 2408175

RE: PCS 771277

Dear Chuck Wallgren:

DHL Analytical, Inc. received 1 sample(s) on 8/14/2024 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative and all estimated uncertainties of results are within method specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

John DuPont
General Manager

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



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POLLUTION CONTROL SERVICES

1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318
Facsimile 210.658.7903
210.340.0343

2408175

CHAIN OF CUSTODY & SUBCONTRACT TRACKING SHEET

TO: DHL Analytical
2300 Double Creek Dr
Round Rock, TX 78664

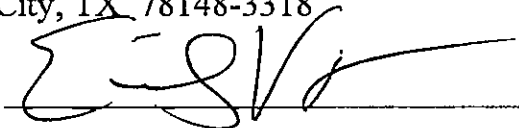
Relinquished by: Emily Voges
Date/Time: 08/13/2024 @ 1500
Received by: 
Date/Time: 8/14/24 1049

PCS#	Date	Time	Analysis Requested	Pres	T. A. T.
771277	08/13/2024	1020	Semi Volatiles 625	Ice	Std
771277	-----	---	Cyanide, Total	NaOH, Ice	----
771277	-----	---	Pesticides 608 <i>PCB-625 per Chuck W.</i>	Ice	----
771277	-----	---	Volatiles 624	Ice	----

Comments/Special Instructions: 3.1°C, Therm #78, no cust. seal, via FedEx Ground

Unless otherwise requested, send results and invoice to:

Chuck Wallgren
Pollution Control Services
1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318

Authorized by: 

Date: 8/13/2024

TABLE 3 (Instructions, Page 58)

Completion of Table 3 **is required** for all **external outfalls** which discharge process wastewater.

Partial completion of Table 3 **is required** for all **external outfalls** which discharge non-process wastewater and stormwater associated with industrial activities commingled with other wastestreams (see instructions for additional guidance).

Table 3 for Outfall No.: [Click to enter text](#) Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Acrylonitrile					50
Anthracene					10
Benzene					10
Benzidine					50
Benzo(a)anthracene					5
Benzo(a)pyrene					5
Bis(2-chloroethyl)ether					10
Bis(2-ethylhexyl)phthalate					10
Bromodichloromethane [Dichlorobromomethane]					10
Bromoform					10
Carbon tetrachloride					2
Chlorobenzene					10
Chlorodibromomethane [Dibromochloromethane]					10
Chloroform					10
Chrysene					5
m-Cresol [3-Methylphenol]					10
o-Cresol [2-Methylphenol]					10
p-Cresol [4-Methylphenol]					10
1,2-Dibromoethane					10
m-Dichlorobenzene [1,3-Dichlorobenzene]					10
o-Dichlorobenzene [1,2-Dichlorobenzene]					10
p-Dichlorobenzene [1,4-Dichlorobenzene]					10
3,3'-Dichlorobenzidine					5
1,2-Dichloroethane					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
1,1-Dichloroethene [1,1-Dichloroethylene]					10
Dichloromethane [Methylene chloride]					20
1,2-Dichloropropane					10
1,3-Dichloropropene [1,3-Dichloropropylene]					10
2,4-Dimethylphenol					10
Di-n-Butyl phthalate					10
Ethylbenzene					10
Fluoride					500
Hexachlorobenzene					5
Hexachlorobutadiene					10
Hexachlorocyclopentadiene					10
Hexachloroethane					20
Methyl ethyl ketone					50
Nitrobenzene					10
N-Nitrosodiethylamine					20
N-Nitroso-di-n-butylamine					20
Nonylphenol					333
Pentachlorobenzene					20
Pentachlorophenol					5
Phenanthrene					10
Polychlorinated biphenyls (PCBs) (**)					0.2
Pyridine					20
1,2,4,5-Tetrachlorobenzene					20
1,1,2,2-Tetrachloroethane					10
Tetrachloroethene [Tetrachloroethylene]					10
Toluene					10
1,1,1-Trichloroethane					10
1,1,2-Trichloroethane					10
Trichloroethene [Trichloroethylene]					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
2,4,5-Trichlorophenol					50
TTHM (Total trihalomethanes)					10
Vinyl chloride					10

(*) Indicate units if different from µg/L.

(**) Total of detects for PCB-1242, PCB-1254, PCB-1221, PCB-1232, PCB-1248, PCB-1260, and PCB-1016. If all non-detects, enter the highest non-detect preceded by a "<".

TABLES 8, 9, 10, and 11 (Instructions, Page 60)

Completion of Tables 8, 9, 10, and 11 **is required** as specified in Table 7 for all **external outfalls** that contain process wastewater.

Completion of Tables 8, 9, 10, and 11 **may be required** for types of industry not specified in Table 7 for specific parameters that are believed to be present in the wastewater.

Table 8 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	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 [1,1-Dichloroethene]					10
1,2-Dichloropropane					10
1,3-Dichloropropylene [1,3-Dichloropropene]					10
Ethylbenzene					10
Methyl bromide [Bromomethane]					50
Methyl chloride [Chloromethane]					50
Methylene chloride [Dichloromethane]					20
1,1,2,2-Tetrachloroethane					10
Tetrachloroethylene [Tetrachloroethene]					10
Toluene					10
1,2-Trans-dichloroethylene [1,2-Trans-dichloroethene]					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
1,1,1-Trichloroethane					10
1,1,2-Trichloroethane					10
Trichloroethylene [Trichloroethene]					10
Vinyl chloride					10

* Indicate units if different from µg/L.

Table 9 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	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
Pentachlorophenol					5
Phenol					10
2,4,6-Trichlorophenol					10

* Indicate units if different from µg/L.

Table 10 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Acenaphthene					10
Acenaphthylene					10
Anthracene					10
Benzidine					50
Benzo(a)anthracene					5
Benzo(a)pyrene					5
3,4-Benzofluoranthene [Benzo(b)fluoranthene]					10
Benzo(ghi)perylene					20
Benzo(k)fluoranthene					5
Bis(2-chloroethoxy)methane					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Bis(2-chloroethyl)ether					10
Bis(2-chloroisopropyl)ether					10
Bis(2-ethylhexyl)phthalate					10
4-Bromophenyl phenyl ether					10
Butylbenzyl phthalate					10
2-Chloronaphthalene					10
4-Chlorophenyl phenyl ether					10
Chrysene					5
Dibenzo(a,h)anthracene					5
1,2-Dichlorobenzene [o-Dichlorobenzene]					10
1,3-Dichlorobenzene [m-Dichlorobenzene]					10
1,4-Dichlorobenzene [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
1,2-Diphenylhydrazine (as Azobenzene)					20
Fluoranthene					10
Fluorene					10
Hexachlorobenzene					5
Hexachlorobutadiene					10
Hexachlorocyclopentadiene					10
Hexachloroethane					20
Indeno(1,2,3-cd)pyrene					5
Isophorone					10
Naphthalene					10
Nitrobenzene					10
N-Nitrosodimethylamine					50

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
N-Nitrosodi-n-propylamine					20
N-Nitrosodiphenylamine					20
Phenanthrene					10
Pyrene					10
1,2,4-Trichlorobenzene					10

* Indicate units if different from µg/L.

FROM: (210) 340-0343
Chuck Wallgren
1532 Universal City Blvd. #100
Universal City TX 78148
US

SHIP DATE: 13AUG24
ACTWGT: 46.00 LB
CAD: 112447368/MNET4730
DIMMED: 26 X 15 X 15 IN
BILL SENDER

TO John Dupont
DHL Analytical
2300 Double Creek

ROUND ROCK TX 78664
(512) 388-8222

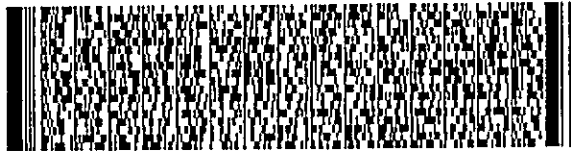
(US)

583J6A12D9AE3

INV:
PO:

REF:

DEPT:



FedEx
Ground

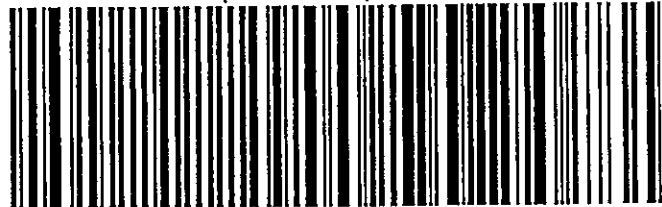


1243024071301uv

TRK# 7779 5326 6236

78664

9622 0019 0 (000 000 0000) 0 00 7779 5326 6236



FROM: Chuck Wallgren 1532 Universal City Blvd. #100 Universal City TX 78148 US		SHIP DATE: 13AUG24 ACTWGT: 45.00 LB CAO: 112447382N/1720 DIMMED: 26 X 15 X 15 IN BILL SENDER
TO: John dupont DHL Analytical 2300 Double Creek ROUND ROCK TX 78664 (512) 388-8222 INV: REF: PO: DEPT:		(US) 583.6/A12D.9AE3

TRK# 7779 5326 6236


 9622 0019 0 (000 000 0000) 0 00 7779 5326 6236


 J243024071301uv

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: IMPORTANT: TRANSMIT YOUR SHIPPING DATA AND PRINT A MANIFEST:

At the end of each shipping day, you should perform the FedEx Ground End of Day Close procedure to transmit your shipping data to FedEx. To do so, click on the Ground End of Day Close Button. If required, print the pickup manifest that appears. A printed manifest is required to be tendered along with your packages if they are being picked up by FedEx Ground. If you are dropping your packages off at a FedEx drop off location, the manifest is not required.

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DHL Analytical, Inc.

Sample Receipt Checklist

Client Name: Pollution Control Services

Date Received: 8/14/2024

Work Order Number: 2408175

Received by: EL

Checklist completed by: SMunday 8/14/2024
Signature Date

Reviewed by: SH 8/14/2024
Initials Date

Carrier name: FedEx Ground

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

Cooler # 1
Temp °C 3.1
Seal Intact NP

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

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action: _____

CLIENT: Pollution Control Services**Project:** PCS 771277**Lab Order:** 2408175**CASE NARRATIVE**

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

E625.1, D7065-17, E624.1 and M4500-CN E.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives except where noted in the following. For Volatiles analysis by method E624.1 the matrix spike and matrix spike duplicate recoveries had no recoveries for 2-Chloroethylvinylether. This was due to matrix interference. These are flagged accordingly in the enclosed QC summary report. The "S" flag denotes spike recovery was outside control limits. The LCS was within control limits for this compound. No further corrective actions were taken.

For Semivolatiles analysis by method E625.1 the matrix spike and matrix spike duplicate recoveries were out of control limits for up to four compounds. In addition, the matrix spike and matrix spike duplicate had the RPD above control limits for Bis(2-chloroisopropyl)ether. These are flagged accordingly. The "S" flag denotes spike recovery was outside control limits and the "R" flag denotes the RPD was outside control limits. The LCS was within control limits for these compounds. No further corrective actions were taken.

For Semivolatiles analysis by method E625.1 the surrogate recoveries for the sample were slightly below control limits for 2-Fluorophenol and Phenol-d5. These are flagged accordingly. The remaining surrogates were within control limits. No further corrective actions were taken.

For Semivolatiles analysis by method E625.1 the surrogate recoveries for the method blank (MB-116798) were above control limits for three surrogates. These are flagged accordingly. The remaining surrogates were within control limits. No further corrective actions were taken.

DHL Analytical, Inc.

Date: 23-Aug-24

CLIENT: Pollution Control Services
Project: PCS 771277
Lab Order: 2408175

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2408175-01	771277		08/13/24 10:20 AM	08/14/2024

DHL Analytical, Inc.

Date: 23-Aug-24

CLIENT: Pollution Control Services
Project: PCS 771277
Project No:
Lab Order: 2408175

Client Sample ID: 771277
Lab ID: 2408175-01
Collection Date: 08/13/24 10:20 AM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 PCB BY GC/MS							
E625.1				Analyst: DEW			
Aroclor 1016	<0.0000985	0.0000985	0.000197		mg/L	1	08/21/24 02:03 PM
Aroclor 1221	<0.0000985	0.0000985	0.000197		mg/L	1	08/21/24 02:03 PM
Aroclor 1232	<0.0000985	0.0000985	0.000197		mg/L	1	08/21/24 02:03 PM
Aroclor 1242	<0.0000985	0.0000985	0.000197		mg/L	1	08/21/24 02:03 PM
Aroclor 1248	<0.0000985	0.0000985	0.000197		mg/L	1	08/21/24 02:03 PM
Aroclor 1254	<0.0000985	0.0000985	0.000197		mg/L	1	08/21/24 02:03 PM
Aroclor 1260	<0.0000985	0.0000985	0.000197		mg/L	1	08/21/24 02:03 PM
Total PCBs	<0.0000985	0.0000985	0.000197		mg/L	1	08/21/24 02:03 PM
Surr: 2-Fluorobiphenyl	76.3	0	43-116		%REC	1	08/21/24 02:03 PM
Surr: 4-Terphenyl-d14	86.1	0	33-141		%REC	1	08/21/24 02:03 PM
625.1 SEMIVOLATILE WATER							
E625.1				Analyst: DEW			
Anthracene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Benzidine	<0.000958	0.000958	0.00383		mg/L	1	08/20/24 02:19 PM
Benzo[a]anthracene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Benzo[a]pyrene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Bis(2-chloroethyl)ether	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Bis(2-ethylhexyl)phthalate	<0.00287	0.00287	0.00575		mg/L	1	08/20/24 02:19 PM
Chrysene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
4,6-Dinitro-o-cresol	<0.00192	0.00192	0.00383		mg/L	1	08/20/24 02:19 PM
o-Cresol	<0.00192	0.00192	0.00383		mg/L	1	08/20/24 02:19 PM
p-Chloro-m-Cresol	<0.00192	0.00192	0.00383		mg/L	1	08/20/24 02:19 PM
m,p-Cresols	<0.00192	0.00192	0.00383		mg/L	1	08/20/24 02:19 PM
3,3'-Dichlorobenzidine	<0.000958	0.000958	0.00479		mg/L	1	08/20/24 02:19 PM
2,4-Dimethylphenol	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Di-n-butyl phthalate	<0.00287	0.00287	0.00575		mg/L	1	08/20/24 02:19 PM
Hexachlorobenzene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Hexachlorobutadiene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Hexachlorocyclopentadiene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Hexachloroethane	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Nitrobenzene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
N-Nitrosodiethylamine	<0.00192	0.00192	0.00383		mg/L	1	08/20/24 02:19 PM
N-Nitrosodi-n-butylamine	<0.000958	0.000958	0.00383		mg/L	1	08/20/24 02:19 PM
Pentachlorobenzene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Pentachlorophenol	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Phenanthrene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Pyridine	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
1,2,4,5-Tetrachlorobenzene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
2,4,5-Trichlorophenol	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM

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

DHL Analytical, Inc.

Date: 23-Aug-24

CLIENT: Pollution Control Services
Project: PCS 771277
Project No:
Lab Order: 2408175

Client Sample ID: 771277
Lab ID: 2408175-01
Collection Date: 08/13/24 10:20 AM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER		E625.1					Analyst: DEW
2-Chlorophenol	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
2,4-Dichlorophenol	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
2,4-Dinitrophenol	<0.00192	0.00192	0.00383		mg/L	1	08/20/24 02:19 PM
2-Nitrophenol	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
4-Nitrophenol	<0.00192	0.00192	0.00383		mg/L	1	08/20/24 02:19 PM
Phenol	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
2,4,6-Trichlorophenol	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Acenaphthene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Acenaphthylene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Benzo[b]fluoranthene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Benzo[g,h,i]perylene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Benzo[k]fluoranthene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Bis(2-chloroethoxy)methane	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Bis(2-chloroisopropyl)ether	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
4-Bromophenyl phenyl ether	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Butyl benzyl phthalate	<0.00287	0.00287	0.00575		mg/L	1	08/20/24 02:19 PM
2-Chloronaphthalene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
4-Chlorophenyl phenyl ether	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Dibenz[a,h]anthracene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Diethyl phthalate	<0.00287	0.00287	0.00575		mg/L	1	08/20/24 02:19 PM
Dimethyl phthalate	<0.00287	0.00287	0.00575		mg/L	1	08/20/24 02:19 PM
2,4-Dinitrotoluene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
2,6-Dinitrotoluene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Di-n-octyl phthalate	<0.00287	0.00287	0.00575		mg/L	1	08/20/24 02:19 PM
1,2-Diphenylhydrazine	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Fluoranthene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Fluorene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Indeno[1,2,3-cd]pyrene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Isophorone	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Naphthalene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
N-Nitrosodimethylamine	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
N-Nitrosodi-n-propylamine	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
N-Nitrosodiphenylamine	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Pyrene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
1,2,4-Trichlorobenzene	<0.000958	0.000958	0.00192		mg/L	1	08/20/24 02:19 PM
Surr: 2,4,6-Tribromophenol	112	0	10-123		%REC	1	08/20/24 02:19 PM
Surr: 2-Fluorobiphenyl	76.8	0	43-116		%REC	1	08/20/24 02:19 PM
Surr: 2-Fluorophenol	17.2	0	21-100	S	%REC	1	08/20/24 02:19 PM

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

DHL Analytical, Inc.

Date: 23-Aug-24

CLIENT: Pollution Control Services
Project: PCS 771277
Project No:
Lab Order: 2408175

Client Sample ID: 771277
Lab ID: 2408175-01
Collection Date: 08/13/24 10:20 AM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER		E625.1					Analyst: DEW
Surr: 4-Terphenyl-d14	83.5	0	33-141		%REC	1	08/20/24 02:19 PM
Surr: Nitrobenzene-d5	86.0	0	35-115		%REC	1	08/20/24 02:19 PM
Surr: Phenol-d5	5.00	0	10-94	S	%REC	1	08/20/24 02:19 PM
NONYLPHENOL IN WATER BY ASTM METHOD		D7065-17					Analyst: DEW
Nonylphenol	<0.0671	0.0671	0.0958	N	mg/L	1	08/20/24 02:19 PM
624.1 VOLATILES WATER		E624.1					Analyst: JVR
Acrylonitrile	<0.00300	0.00300	0.0500		mg/L	1	08/14/24 07:43 PM
Benzene	<0.00100	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
Bromodichloromethane	0.0260	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
Bromoform	0.139	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
Carbon tetrachloride	<0.00100	0.00100	0.00200		mg/L	1	08/14/24 07:43 PM
Chlorobenzene	<0.00100	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
Chlorodibromomethane	0.0949	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
Chloroform	0.00838	0.00100	0.0100	J	mg/L	1	08/14/24 07:43 PM
1,2-Dibromoethane	<0.00100	0.00100	0.00200		mg/L	1	08/14/24 07:43 PM
1,3-Dichlorobenzene	<0.00100	0.00100	0.00500		mg/L	1	08/14/24 07:43 PM
1,2-Dichlorobenzene	<0.00100	0.00100	0.00500		mg/L	1	08/14/24 07:43 PM
1,4-Dichlorobenzene	<0.00100	0.00100	0.00500		mg/L	1	08/14/24 07:43 PM
1,2-Dichloroethane	<0.00100	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
1,1-Dichloroethene	<0.00100	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
Methylene chloride (DCM)	<0.00250	0.00250	0.0200		mg/L	1	08/14/24 07:43 PM
1,2-Dichloropropane	<0.00100	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
1,3-Dichloropropene (cis)	<0.00100	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
1,3-Dichloropropene (trans)	<0.00100	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
Ethylbenzene	<0.00100	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
Methyl ethyl ketone	<0.0150	0.0150	0.0500		mg/L	1	08/14/24 07:43 PM
1,1,2,2-Tetrachloroethane	<0.00100	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
Tetrachloroethene	<0.00200	0.00200	0.0100		mg/L	1	08/14/24 07:43 PM
Toluene	<0.00200	0.00200	0.0100		mg/L	1	08/14/24 07:43 PM
1,1,1-Trichloroethane	<0.00100	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
1,1,2-Trichloroethane	<0.00100	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
Trichloroethene	<0.00100	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
TTHM (Total Trihalomethanes)	0.268	0.00500	0.0100		mg/L	1	08/14/24 07:43 PM
Vinyl chloride	<0.00100	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
Acrolein	<0.0150	0.0150	0.0500		mg/L	1	08/14/24 07:43 PM
Chloroethane	<0.00200	0.00200	0.0100		mg/L	1	08/14/24 07:43 PM
2-Chloroethylvinylether	<0.00600	0.00600	0.0100		mg/L	1	08/14/24 07:43 PM

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

DHL Analytical, Inc.

Date: 23-Aug-24

CLIENT: Pollution Control Services
Project: PCS 771277
Project No:
Lab Order: 2408175

Client Sample ID: 771277
Lab ID: 2408175-01
Collection Date: 08/13/24 10:20 AM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER							Analyst: JVR
		E624.1					
1,1-Dichloroethane	<0.00100	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
Methyl bromide	<0.00500	0.00500	0.0200		mg/L	1	08/14/24 07:43 PM
Methyl chloride	<0.00100	0.00100	0.0200		mg/L	1	08/14/24 07:43 PM
trans-1,2-Dichloroethylene	<0.00100	0.00100	0.0100		mg/L	1	08/14/24 07:43 PM
Surr: 1,2-Dichloroethane-d4	97.7	0	72-119		%REC	1	08/14/24 07:43 PM
Surr: 4-Bromofluorobenzene	105	0	76-119		%REC	1	08/14/24 07:43 PM
Surr: Dibromofluoromethane	103	0	85-115		%REC	1	08/14/24 07:43 PM
Surr: Toluene-d8	108	0	81-120		%REC	1	08/14/24 07:43 PM
CYANIDE - WATER SAMPLE							Analyst: SMA
		M4500-CN E					
Cyanide, Amenable to Chlorination	<0.0100	0.0100	0.0200		mg/L	1	08/15/24 04:19 PM
Cyanide, Total	<0.0100	0.0100	0.0200		mg/L	1	08/15/24 04:19 PM

Qualifiers:

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

- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAP certified

CLIENT: Pollution Control Services
 Work Order: 2408175
 Project: PCS 771277

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_240821A

The QC data in batch 116832 applies to the following samples: 2408175-01D

Sample ID: LCS-116832-PCB	Batch ID: 116832	TestNo: E625.1	Units: mg/L
SampType: LCS	Run ID: GCMS8_240821A	Analysis Date: 8/21/2024 1:01:00 PM	Prep Date: 8/20/2024

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	0.00300	0.000200	0.00400	0	74.9	37	130			
Aroclor 1260	0.00315	0.000200	0.00400	0	78.8	19	130			
Total PCBs	0.00615	0.000200	0.00800	0	76.9	19	130			
Surr: 2-Fluorobiphenyl	2.84		4.000		71.0	43	116			
Surr: 4-Terphenyl-d14	3.21		4.000		80.3	33	141			

Sample ID: MB-116832	Batch ID: 116832	TestNo: E625.1	Units: mg/L
SampType: MBLK	Run ID: GCMS8_240821A	Analysis Date: 8/21/2024 1:32:00 PM	Prep Date: 8/20/2024

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	<0.000100	0.000200								
Aroclor 1221	<0.000100	0.000200								
Aroclor 1232	<0.000100	0.000200								
Aroclor 1242	<0.000100	0.000200								
Aroclor 1248	<0.000100	0.000200								
Aroclor 1254	<0.000100	0.000200								
Aroclor 1260	<0.000100	0.000200								
Total PCBs	<0.000100	0.000200								
Surr: 2-Fluorobiphenyl	2.75		4.000		68.7	43	116			
Surr: 4-Terphenyl-d14	2.87		4.000		71.8	33	141			

Qualifiers:

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

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

CLIENT: Pollution Control Services
 Work Order: 2408175
 Project: PCS 771277

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240820A

The QC data in batch 116798 applies to the following samples: 2408175-01C

Sample ID: LCS-116798	Batch ID: 116798	TestNo: E625.1				Units: mg/L				
SampType: LCS	Run ID: GCMS9_240820A	Analysis Date: 8/20/2024 10:38:00 AM				Prep Date: 8/19/2024				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	0.0143	0.00400	0.0400	0	35.7	5	125			
Benzo[a]anthracene	0.0344	0.00200	0.0400	0	86.0	33	143			
Benzo[a]pyrene	0.0385	0.00200	0.0400	0	96.2	17	163			
Chrysene	0.0365	0.00200	0.0400	0	91.2	17	168			
2,4-Dimethylphenol	0.0312	0.00200	0.0400	0	78.1	32	120			
4,6-Dinitro-o-cresol	0.0404	0.00400	0.0400	0	101	10	181			
m,p-Cresols	0.0246	0.00400	0.0400	0	61.4	10	125			
o-Cresol	0.0263	0.00400	0.0400	0	65.7	25	125			
p-Chloro-m-Cresol	0.0337	0.00400	0.0400	0	84.4	22	147			
Hexachlorobenzene	0.0340	0.00200	0.0400	0	85.0	10	152			
Hexachlorobutadiene	0.0289	0.00200	0.0400	0	72.2	24	120			
Hexachloroethane	0.0307	0.00200	0.0400	0	76.8	40	120			
Nitrobenzene	0.0345	0.00200	0.0400	0	86.4	35	180			
N-Nitrosodiethylamine	0.0318	0.00400	0.0400	0	79.4	20	125			
N-Nitrosodi-n-butylamine	0.0383	0.00400	0.0400	0	95.6	20	125			
Pentachlorobenzene	0.0324	0.00200	0.0400	0	81.0	40	140			
Pentachlorophenol	0.0309	0.00200	0.0400	0	77.2	14	176			
Phenanthrene	0.0334	0.00200	0.0400	0	83.5	54	120			
Pyridine	0.0163	0.00200	0.0400	0	40.7	10	75			
1,2,4,5-Tetrachlorobenzene	0.0314	0.00200	0.0400	0	78.6	30	140			
2,4,5-Trichlorophenol	0.0370	0.00200	0.0400	0	92.6	25	125			
2-Chlorophenol	0.0292	0.00200	0.0400	0	73.1	23	134			
2,4-Dichlorophenol	0.0327	0.00200	0.0400	0	81.6	39	135			
2,4-Dinitrophenol	0.0328	0.00400	0.0400	0	81.9	10	191			
2-Nitrophenol	0.0350	0.00200	0.0400	0	87.6	29	182			
4-Nitrophenol	0.0216	0.00400	0.0400	0	53.9	10	132			
Phenol	0.0144	0.00200	0.0400	0	36.0	5	120			
2,4,6-Trichlorophenol	0.0355	0.00200	0.0400	0	88.7	37	144			
Acenaphthene	0.0343	0.00200	0.0400	0	85.7	47	145			
Acenaphthylene	0.0330	0.00200	0.0400	0	82.5	33	145			
Anthracene	0.0345	0.00200	0.0400	0	86.3	27	133			
Benzo[b]fluoranthene	0.0388	0.00200	0.0400	0	97.0	24	159			
Benzo[g,h,i]perylene	0.0395	0.00200	0.0400	0	98.8	10	219			
Benzo[k]fluoranthene	0.0352	0.00200	0.0400	0	88.0	11	162			
Bis(2-chloroethoxy)methane	0.0327	0.00200	0.0400	0	81.7	33	184			
Bis(2-chloroethyl)ether	0.0356	0.00200	0.0400	0	89.0	12	158			
Bis(2-chloroisopropyl)ether	0.0294	0.00200	0.0400	0	73.6	36	166			
Bis(2-ethylhexyl)phthalate	0.0432	0.00600	0.0400	0	108	10	158			
4-Bromophenyl phenyl ether	0.0347	0.00200	0.0400	0	86.8	53	127			
Butyl benzyl phthalate	0.0403	0.00600	0.0400	0	101	10	152			

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

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

CLIENT: Pollution Control Services
Work Order: 2408175
Project: PCS 771277

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240820A

Sample ID: LCS-116798	Batch ID: 116798	TestNo: E625.1	Units: mg/L							
SampType: LCS	Run ID: GCMS9_240820A	Analysis Date: 8/20/2024 10:38:00 AM	Prep Date: 8/19/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

2-Chloronaphthalene	0.0334	0.00200	0.0400	0	83.6	60	120			
4-Chlorophenyl phenyl ether	0.0356	0.00200	0.0400	0	88.9	25	158			
Dibenz[a,h]anthracene	0.0393	0.00200	0.0400	0	98.2	10	125			
3,3'-Dichlorobenzidine	0.0340	0.00500	0.0400	0	85.1	10	262			
Diethyl phthalate	0.0389	0.00600	0.0400	0	97.2	10	120			
Dimethyl phthalate	0.0364	0.00600	0.0400	0	91.0	10	120			
Di-n-butyl phthalate	0.0407	0.00600	0.0400	0	102	10	120			
2,4-Dinitrotoluene	0.0371	0.00200	0.0400	0	92.8	39	139			
2,6-Dinitrotoluene	0.0366	0.00200	0.0400	0	91.4	50	158			
Di-n-octyl phthalate	0.0396	0.00600	0.0400	0	99.1	10	146			
1,2-Diphenylhydrazine	0.0338	0.00200	0.0400	0	84.5	40	140			
Fluoranthene	0.0376	0.00200	0.0400	0	94.0	26	137			
Fluorene	0.0370	0.00200	0.0400	0	92.6	59	121			
Hexachlorocyclopentadiene	0.0336	0.00200	0.0400	0	84.1	8	130			
Indeno[1,2,3-cd]pyrene	0.0380	0.00200	0.0400	0	95.1	10	171			
Isophorone	0.0328	0.00200	0.0400	0	82.1	21	196			
Naphthalene	0.0314	0.00200	0.0400	0	78.6	21	133			
N-Nitrosodimethylamine	0.0152	0.00200	0.0400	0	38.0	10	125			
N-Nitrosodi-n-propylamine	0.0336	0.00200	0.0400	0	84.0	10	230			
N-Nitrosodiphenylamine	0.0357	0.00200	0.0400	0	89.3	20	125			
Pyrene	0.0365	0.00200	0.0400	0	91.4	52	120			
1,2,4-Trichlorobenzene	0.0311	0.00200	0.0400	0	77.8	44	142			
Surr: 2,4,6-Tribromophenol	71.4		80.00		89.2	10	123			
Surr: 2-Fluorobiphenyl	58.8		80.00		73.5	43	116			
Surr: 2-Fluorophenol	44.2		80.00		55.2	21	100			
Surr: 4-Terphenyl-d14	65.8		80.00		82.2	33	141			
Surr: Nitrobenzene-d5	67.8		80.00		84.8	35	115			
Surr: Phenol-d5	26.4		80.00		33.0	10	94			

Sample ID: MB-116798	Batch ID: 116798	TestNo: E625.1	Units: mg/L							
SampType: MBLK	Run ID: GCMS9_240820A	Analysis Date: 8/20/2024 12:06:00 PM	Prep Date: 8/19/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzidine	<0.00100	0.00400								
Benzo[a]anthracene	<0.00100	0.00200								
Benzo[a]pyrene	<0.00100	0.00200								
Chrysene	<0.00100	0.00200								
2,4-Dimethylphenol	<0.00100	0.00200								
4,6-Dinitro-o-cresol	<0.00200	0.00400								
m,p-Cresols	<0.00200	0.00400								
o-Cresol	<0.00200	0.00400								

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

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

CLIENT: Pollution Control Services

Work Order: 2408175

Project: PCS 771277

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240820A

Sample ID: MB-116798	Batch ID: 116798	TestNo: E625.1	Units: mg/L
SampType: MBLK	Run ID: GCMS9_240820A	Analysis Date: 8/20/2024 12:06:00 PM	Prep Date: 8/19/2024

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
p-Chloro-m-Cresol	<0.00200	0.00400								
Hexachlorobenzene	<0.00100	0.00200								
Hexachlorobutadiene	<0.00100	0.00200								
Hexachloroethane	<0.00100	0.00200								
Nitrobenzene	<0.00100	0.00200								
N-Nitrosodiethylamine	<0.00200	0.00400								
N-Nitrosodi-n-butylamine	<0.00100	0.00400								
Pentachlorobenzene	<0.00100	0.00200								
Pentachlorophenol	<0.00100	0.00200								
Phenanthrene	<0.00100	0.00200								
Pyridine	<0.00100	0.00200								
1,2,4,5-Tetrachlorobenzene	<0.00100	0.00200								
2,4,5-Trichlorophenol	<0.00100	0.00200								
2-Chlorophenol	<0.00100	0.00200								
2,4-Dichlorophenol	<0.00100	0.00200								
2,4-Dinitrophenol	<0.00200	0.00400								
2-Nitrophenol	<0.00100	0.00200								
4-Nitrophenol	<0.00200	0.00400								
Phenol	<0.00100	0.00200								
2,4,6-Trichlorophenol	<0.00100	0.00200								
Acenaphthene	<0.00100	0.00200								
Acenaphthylene	<0.00100	0.00200								
Anthracene	<0.00100	0.00200								
Benzo[b]fluoranthene	<0.00100	0.00200								
Benzo[g,h,i]perylene	<0.00100	0.00200								
Benzo[k]fluoranthene	<0.00100	0.00200								
Bis(2-chloroethoxy)methane	<0.00100	0.00200								
Bis(2-chloroethyl)ether	<0.00100	0.00200								
Bis(2-chloroisopropyl)ether	<0.00100	0.00200								
Bis(2-ethylhexyl)phthalate	<0.00300	0.00600								
4-Bromophenyl phenyl ether	<0.00100	0.00200								
Butyl benzyl phthalate	<0.00300	0.00600								
2-Chloronaphthalene	<0.00100	0.00200								
4-Chlorophenyl phenyl ether	<0.00100	0.00200								
Dibenz[a,h]anthracene	<0.00100	0.00200								
3,3'-Dichlorobenzidine	<0.00100	0.00500								
Diethyl phthalate	<0.00300	0.00600								
Dimethyl phthalate	<0.00300	0.00600								
Di-n-butyl phthalate	<0.00300	0.00600								
2,4-Dinitrotoluene	<0.00100	0.00200								
2,6-Dinitrotoluene	<0.00100	0.00200								

Qualifiers:

B Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

J Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits

S Spike Recovery outside control limits

N Parameter not NELAP certified

CLIENT: Pollution Control Services
 Work Order: 2408175
 Project: PCS 771277

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240820A

Sample ID: MB-116798	Batch ID: 116798	TestNo: E625.1	Units: mg/L							
SampType: MBLK	Run ID: GCMS9_240820A	Analysis Date: 8/20/2024 12:06:00 PM	Prep Date: 8/19/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Di-n-octyl phthalate	<0.00300	0.00600								
1,2-Diphenylhydrazine	<0.00100	0.00200								
Fluoranthene	<0.00100	0.00200								
Fluorene	<0.00100	0.00200								
Hexachlorocyclopentadiene	<0.00100	0.00200								
Indeno[1,2,3-cd]pyrene	<0.00100	0.00200								
Isophorone	<0.00100	0.00200								
Naphthalene	<0.00100	0.00200								
N-Nitrosodimethylamine	<0.00100	0.00200								
N-Nitrosodi-n-propylamine	<0.00100	0.00200								
N-Nitrosodiphenylamine	<0.00100	0.00200								
Pyrene	<0.00100	0.00200								
1,2,4-Trichlorobenzene	<0.00100	0.00200								
Surr: 2,4,6-Tribromophenol	116		80.00		145	10	123			S
Surr: 2-Fluorobiphenyl	94.6		80.00		118	43	116			S
Surr: 2-Fluorophenol	60.4		80.00		75.5	21	100			
Surr: 4-Terphenyl-d14	98.8		80.00		124	33	141			
Surr: Nitrobenzene-d5	109		80.00		137	35	115			S
Surr: Phenol-d5	33.2		80.00		41.5	10	94			

Sample ID: 2408124-01AMS	Batch ID: 116798	TestNo: E625.1	Units: mg/L							
SampType: MS	Run ID: GCMS9_240820A	Analysis Date: 8/20/2024 4:56:00 PM	Prep Date: 8/19/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	<0.00936	0.0375	0.375	0	0	5	125			S
Benzo[a]anthracene	0.359	0.0187	0.375	0	96.0	33	143			
Benzo[a]pyrene	0.390	0.0187	0.375	0	104	17	163			
Chrysene	0.351	0.0187	0.375	0	93.8	17	168			
2,4-Dimethylphenol	0.336	0.0187	0.375	0	89.8	32	120			
4,6-Dinitro-o-cresol	0.392	0.0375	0.375	0	105	10	181			
m,p-Cresols	0.334	0.0375	0.375	0	89.3	10	125			
o-Cresol	0.325	0.0375	0.375	0	86.6	25	125			
p-Chloro-m-Cresol	0.351	0.0375	0.375	0	93.7	22	147			
Hexachlorobenzene	0.331	0.0187	0.375	0	88.2	10	152			
Hexachlorobutadiene	0.310	0.0187	0.375	0	82.7	24	120			
Hexachloroethane	0.322	0.0187	0.375	0	86.1	40	120			
Nitrobenzene	0.370	0.0187	0.375	0	98.8	35	180			
N-Nitrosodiethylamine	0.344	0.0375	0.375	0	91.8	20	125			
N-Nitrosodi-n-butylamine	0.366	0.0375	0.375	0	97.6	20	125			
Pentachlorobenzene	0.339	0.0187	0.375	0	90.4	40	140			
Pentachlorophenol	0.316	0.0187	0.375	0	84.3	14	176			

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

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

CLIENT: Pollution Control Services
 Work Order: 2408175
 Project: PCS 771277

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240820A

Sample ID: 2408124-01AMS	Batch ID: 116798	TestNo: E625.1	Units: mg/L
SampType: MS	Run ID: GCMS9_240820A	Analysis Date: 8/20/2024 4:56:00 PM	Prep Date: 8/19/2024

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phenanthrene	0.325	0.0187	0.375	0	86.9	54	120			
Pyridine	0.290	0.0187	0.375	0	77.5	10	75			S
1,2,4,5-Tetrachlorobenzene	0.312	0.0187	0.375	0	83.2	30	140			
2,4,5-Trichlorophenol	0.370	0.0187	0.375	0	98.7	25	125			
2-Chlorophenol	0.330	0.0187	0.375	0	88.0	23	134			
2,4-Dichlorophenol	0.352	0.0187	0.375	0	93.9	39	135			
2,4-Dinitrophenol	0.372	0.0375	0.375	0	99.4	10	191			
2-Nitrophenol	0.368	0.0187	0.375	0	98.2	29	182			
4-Nitrophenol	0.382	0.0375	0.375	0	102	10	132			
Phenol	0.325	0.0187	0.375	0	86.9	5	120			
2,4,6-Trichlorophenol	0.370	0.0187	0.375	0	98.9	37	144			
Acenaphthene	0.336	0.0187	0.375	0	89.6	47	145			
Acenaphthylene	0.316	0.0187	0.375	0	84.2	33	145			
Anthracene	0.323	0.0187	0.375	0	86.4	27	133			
Benzo[b]fluoranthene	0.398	0.0187	0.375	0	106	24	159			
Benzo[g,h,i]perylene	0.405	0.0187	0.375	0	108	10	219			
Benzo[k]fluoranthene	0.357	0.0187	0.375	0	95.2	11	162			
Bis(2-chloroethoxy)methane	0.330	0.0187	0.375	0	88.2	33	184			
Bis(2-chloroethyl)ether	1.30	0.0187	0.375	0	348	12	158			S
Bis(2-chloroisopropyl)ether	0.308	0.0187	0.375	0	82.4	36	166			
Bis(2-ethylhexyl)phthalate	0.445	0.0562	0.375	0	119	10	158			
4-Bromophenyl phenyl ether	0.344	0.0187	0.375	0	91.8	53	127			
Butyl benzyl phthalate	0.411	0.0562	0.375	0	110	10	152			
2-Chloronaphthalene	0.338	0.0187	0.375	0	90.2	60	120			
4-Chlorophenyl phenyl ether	0.341	0.0187	0.375	0	91.0	25	158			
Dibenz[a,h]anthracene	0.400	0.0187	0.375	0	107	10	125			
3,3'-Dichlorobenzidine	0.127	0.0468	0.375	0	34.0	10	262			
Diethyl phthalate	0.358	0.0562	0.375	0	95.7	10	120			
Dimethyl phthalate	0.350	0.0562	0.375	0	93.4	10	120			
Di-n-butyl phthalate	0.396	0.0562	0.375	0	106	10	120			
2,4-Dinitrotoluene	0.345	0.0187	0.375	0	92.0	39	139			
2,6-Dinitrotoluene	0.354	0.0187	0.375	0	94.5	50	158			
Di-n-octyl phthalate	0.422	0.0562	0.375	0	113	10	146			
1,2-Diphenylhydrazine	0.331	0.0187	0.375	0	88.5	40	140			
Fluoranthene	0.383	0.0187	0.375	0	102	26	137			
Fluorene	0.354	0.0187	0.375	0	94.4	59	121			
Hexachlorocyclopentadiene	0.369	0.0187	0.375	0	98.4	8	130			
Indeno[1,2,3-cd]pyrene	0.390	0.0187	0.375	0	104	10	171			
Isophorone	0.336	0.0187	0.375	0	89.7	21	196			
Naphthalene	0.309	0.0187	0.375	0	82.5	21	133			
N-Nitrosodimethylamine	0.319	0.0187	0.375	0	85.0	10	125			

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

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

CLIENT: Pollution Control Services
 Work Order: 2408175
 Project: PCS 771277

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240820A

Sample ID: 2408124-01AMS	Batch ID: 116798	TestNo: E625.1	Units: mg/L
SampType: MS	Run ID: GCMS9_240820A	Analysis Date: 8/20/2024 4:56:00 PM	Prep Date: 8/19/2024

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	0.350	0.0187	0.375	0	93.4	10	230			
N-Nitrosodiphenylamine	0.346	0.0187	0.375	0	92.5	20	125			
Pyrene	0.346	0.0187	0.375	0	92.5	52	120			
1,2,4-Trichlorobenzene	0.315	0.0187	0.375	0	84.0	44	142			
Surr: 2,4,6-Tribromophenol	704		749.1		94.0	10	123			
Surr: 2-Fluorobiphenyl	612		749.1		81.8	43	116			
Surr: 2-Fluorophenol	678		749.1		90.5	21	100			
Surr: 4-Terphenyl-d14	622		749.1		83.0	33	141			
Surr: Nitrobenzene-d5	682		749.1		91.0	35	115			
Surr: Phenol-d5	596		749.1		79.5	10	94			

Sample ID: 2408124-01AMSD	Batch ID: 116798	TestNo: E625.1	Units: mg/L
SampType: MSD	Run ID: GCMS9_240820A	Analysis Date: 8/20/2024 5:18:00 PM	Prep Date: 8/19/2024

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	<0.0100	0.0400	0.400	0	0	5	125	0	50	S
Benzo[a]anthracene	0.382	0.0200	0.400	0	95.4	33	143	6.05	50	
Benzo[a]pyrene	0.425	0.0200	0.400	0	106	17	163	8.57	50	
Chrysene	0.382	0.0200	0.400	0	95.6	17	168	8.53	50	
2,4-Dimethylphenol	0.360	0.0200	0.400	0	90.0	32	120	6.85	50	
4,6-Dinitro-o-cresol	0.420	0.0400	0.400	0	105	10	181	6.81	50	
m,p-Cresols	0.351	0.0400	0.400	0	87.8	10	125	5.00	50	
o-Cresol	0.345	0.0400	0.400	0	86.2	25	125	6.00	50	
p-Chloro-m-Cresol	0.370	0.0400	0.400	0	92.4	22	147	5.23	50	
Hexachlorobenzene	0.365	0.0200	0.400	0	91.2	10	152	9.80	50	
Hexachlorobutadiene	0.336	0.0200	0.400	0	83.9	24	120	8.02	50	
Hexachloroethane	0.350	0.0200	0.400	0	87.4	40	120	8.13	50	
Nitrobenzene	0.400	0.0200	0.400	0	100	35	180	7.88	50	
N-Nitrosodiethylamine	0.369	0.0400	0.400	0	92.2	20	125	7.01	50	
N-Nitrosodi-n-butylamine	0.392	0.0400	0.400	0	97.9	20	125	6.88	50	
Pentachlorobenzene	0.370	0.0200	0.400	0	92.6	40	140	8.98	50	
Pentachlorophenol	0.334	0.0200	0.400	0	83.5	14	176	5.56	50	
Phenanthrene	0.354	0.0200	0.400	0	88.4	54	120	8.29	39	
Pyridine	0.315	0.0200	0.400	0	78.7	10	75	8.11	50	S
1,2,4,5-Tetrachlorobenzene	0.336	0.0200	0.400	0	84.0	30	140	7.47	50	
2,4,5-Trichlorophenol	0.392	0.0200	0.400	0	97.9	25	125	5.76	50	
2-Chlorophenol	0.352	0.0200	0.400	0	88.0	23	134	6.63	50	
2,4-Dichlorophenol	0.377	0.0200	0.400	0	94.2	39	135	6.90	50	
2,4-Dinitrophenol	0.392	0.0400	0.400	0	98.0	10	191	5.06	50	
2-Nitrophenol	0.400	0.0200	0.400	0	100	29	182	8.39	50	
4-Nitrophenol	0.403	0.0400	0.400	0	101	10	132	5.34	50	

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

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

CLIENT: Pollution Control Services
 Work Order: 2408175
 Project: PCS 771277

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240820A

Sample ID: 2408124-01AMSD	Batch ID: 116798	TestNo: E625.1	Units: mg/L							
SampType: MSD	Run ID: GCMS9_240820A	Analysis Date: 8/20/2024 5:18:00 PM	Prep Date: 8/19/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phenol	0.345	0.0200	0.400	0	86.3	5	120	5.83	50	
2,4,6-Trichlorophenol	0.397	0.0200	0.400	0	99.2	37	144	6.93	50	
Acenaphthene	0.363	0.0200	0.400	0	90.8	47	145	7.85	48	
Acenaphthylene	0.342	0.0200	0.400	0	85.4	33	145	7.93	50	
Anthracene	0.355	0.0200	0.400	0	88.8	27	133	9.37	50	
Benzo[b]fluoranthene	0.423	0.0200	0.400	0	106	24	159	6.20	50	
Benzo[g,h,i]perylene	0.446	0.0200	0.400	0	112	10	219	9.71	50	
Benzo[k]fluoranthene	0.394	0.0200	0.400	0	98.4	11	162	9.82	50	
Bis(2-chloroethoxy)methane	0.361	0.0200	0.400	0	90.2	33	184	8.82	50	
Bis(2-chloroethyl)ether	1.28	0.0200	0.400	0	320	12	158	1.90	50	S
Bis(2-chloroisopropyl)ether	0.0300	0.0200	0.400	0	7.50	36	166	165	50	SR
Bis(2-ethylhexyl)phthalate	0.480	0.0600	0.400	0	120	10	158	7.45	50	
4-Bromophenyl phenyl ether	0.378	0.0200	0.400	0	94.4	53	127	9.36	43	
Butyl benzyl phthalate	0.438	0.0600	0.400	0	110	10	152	6.44	50	
2-Chloronaphthalene	0.365	0.0200	0.400	0	91.3	60	120	7.84	24	
4-Chlorophenyl phenyl ether	0.366	0.0200	0.400	0	91.4	25	158	7.12	50	
Dibenz[a,h]anthracene	0.438	0.0200	0.400	0	110	10	125	9.21	50	
3,3'-Dichlorobenzidine	0.161	0.0500	0.400	0	40.4	10	262	23.6	50	
Diethyl phthalate	0.384	0.0600	0.400	0	95.9	10	120	6.84	50	
Dimethyl phthalate	0.375	0.0600	0.400	0	93.8	10	120	7.00	50	
Di-n-butyl phthalate	0.428	0.0600	0.400	0	107	10	120	7.75	47	
2,4-Dinitrotoluene	0.367	0.0200	0.400	0	91.7	39	139	6.25	42	
2,6-Dinitrotoluene	0.382	0.0200	0.400	0	95.5	50	158	7.63	48	
Di-n-octyl phthalate	0.455	0.0600	0.400	0	114	10	146	7.68	50	
1,2-Diphenylhydrazine	0.362	0.0200	0.400	0	90.6	40	140	8.92	50	
Fluoranthene	0.414	0.0200	0.400	0	103	26	137	7.60	50	
Fluorene	0.381	0.0200	0.400	0	95.4	59	121	7.58	38	
Hexachlorocyclopentadiene	0.431	0.0200	0.400	0	108	8	130	15.6	50	
Indeno[1,2,3-cd]pyrene	0.429	0.0200	0.400	0	107	10	171	9.46	50	
Isophorone	0.361	0.0200	0.400	0	90.2	21	196	7.19	50	
Naphthalene	0.335	0.0200	0.400	0	83.9	21	133	8.26	50	
N-Nitrosodimethylamine	0.350	0.0200	0.400	0	87.4	10	125	9.30	50	
N-Nitrosodi-n-propylamine	0.374	0.0200	0.400	0	93.4	10	230	6.63	50	
N-Nitrosodiphenylamine	0.378	0.0200	0.400	0	94.4	20	125	8.66	50	
Pyrene	0.370	0.0200	0.400	0	92.6	52	120	6.68	49	
1,2,4-Trichlorobenzene	0.340	0.0200	0.400	0	85.0	44	142	7.70	50	
Surr: 2,4,6-Tribromophenol	762		800.0		95.2	10	123	0	0	
Surr: 2-Fluorobiphenyl	672		800.0		84.0	43	116	0	0	
Surr: 2-Fluorophenol	732		800.0		91.5	21	100	0	0	
Surr: 4-Terphenyl-d14	658		800.0		82.2	33	141	0	0	
Surr: Nitrobenzene-d5	738		800.0		92.2	35	115	0	0	

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

CLIENT: Pollution Control Services
Work Order: 2408175
Project: PCS 771277

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240820A

Sample ID: 2408124-01AMSD	Batch ID: 116798	TestNo: E625.1	Units: mg/L							
SampType: MSD	Run ID: GCMS9_240820A	Analysis Date: 8/20/2024 5:18:00 PM	Prep Date: 8/19/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Phenol-d5	638		800.0		79.8	10	94	0	0	

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

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

CLIENT: Pollution Control Services
Work Order: 2408175
Project: PCS 771277

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240820D

The QC data in batch 116798 applies to the following samples: 2408175-01C

Sample ID: LCS-116798-NP	Batch ID: 116798	TestNo: D7065-17	Units: mg/L							
SampType: LCS	Run ID: GCMS9_240820D	Analysis Date: 8/20/2024 11:22:00 AM	Prep Date: 8/19/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nonylphenol	0.814	0.100	1.00	0	81.4	40	140			N

Sample ID: MB-116798	Batch ID: 116798	TestNo: D7065-17	Units: mg/L							
SampType: MBLK	Run ID: GCMS9_240820D	Analysis Date: 8/20/2024 12:06:00 PM	Prep Date: 8/19/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nonylphenol	<0.0700	0.100								N

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

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

CLIENT: Pollution Control Services
Work Order: 2408175
Project: PCS 771277

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240814B

The QC data in batch 116728 applies to the following samples: 2408175-01A

File: GC Data in Batch 116728.apr14.2024

Sample ID: LCS-116728	Batch ID: 116728	TestNo: E624.1	Units: mg/L							
SampType: LCS	Run ID: GCMS5_240814B	Analysis Date: 8/14/2024 11:45:00 AM	Prep Date: 8/14/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0236	0.00100	0.0232	0	102	65	135			
Carbon tetrachloride	0.0226	0.00100	0.0232	0	97.3	70	130			
Chlorobenzene	0.0237	0.00100	0.0232	0	102	35	135			
Chloroform	0.0222	0.00100	0.0232	0	95.9	70	135			
Chlorodibromomethane	0.0237	0.00100	0.0232	0	102	70	135			
1,2-Dibromoethane	0.0233	0.00100	0.0232	0	100	60	140			
1,2-Dichloroethane	0.0217	0.00100	0.0232	0	93.6	70	130			
1,1-Dichloroethene	0.0224	0.00100	0.0232	0	96.3	50	150			
Methyl ethyl ketone	0.122	0.0150	0.116	0	105	60	140			
Tetrachloroethene	0.0243	0.00200	0.0232	0	105	70	130			
Trichloroethene	0.0230	0.00100	0.0232	0	99.1	65	135			
1,1,1-Trichloroethane	0.0218	0.00100	0.0232	0	94.0	70	130			
TTHM (Total Trihalomethanes)	0.0918	0.00100	0.0928	0	99.0	60	140			
Vinyl chloride	0.0240	0.00100	0.0232	0	103	5	195			
Acrolein	0.0555	0.0150	0.0580	0	95.7	60	140			
Acrylonitrile	0.0465	0.00300	0.0464	0	100	60	140			
1,1,2,2-Tetrachloroethane	0.0235	0.00100	0.0232	0	101	60	140			
Bromoform	0.0231	0.00100	0.0232	0	99.7	65	135			
Chloroethane	0.0216	0.00500	0.0232	0	93.2	40	160			
2-Chloroethylvinylether	0.0150	0.0100	0.0232	0	64.5	5	225			
Bromodichloromethane	0.0227	0.00100	0.0232	0	98.0	65	135			
1,1-Dichloroethane	0.0244	0.00100	0.0232	0	105	70	130			
1,2-Dichloropropane	0.0252	0.00100	0.0232	0	109	35	165			
1,3-Dichloropropene (cis)	0.0228	0.00100	0.0232	0	98.1	25	175			
1,3-Dichloropropene (trans)	0.0223	0.00100	0.0232	0	96.3	50	150			
Ethylbenzene	0.0233	0.00100	0.0232	0	100	60	140			
Methyl bromide	0.0175	0.00500	0.0232	0	75.3	15	185			
Methyl chloride	0.0281	0.00500	0.0232	0	121	5	205			
Methylene chloride (DCM)	0.0230	0.00500	0.0232	0	99.3	60	140			
Toluene	0.0230	0.00200	0.0232	0	99.3	70	130			
trans-1,2-Dichloroethylene	0.0233	0.00200	0.0232	0	100	70	130			
1,1,2-Trichloroethane	0.0231	0.00100	0.0232	0	99.7	70	130			
1,2-Dichlorobenzene	0.0247	0.00100	0.0232	0	106	65	135			
1,3-Dichlorobenzene	0.0243	0.00100	0.0232	0	105	70	130			
1,4-Dichlorobenzene	0.0244	0.00100	0.0232	0	105	65	135			
Surr: 1,2-Dichloroethane-d4	183		200.0		91.7	72	119			
Surr: 4-Bromofluorobenzene	190		200.0		94.9	76	119			
Surr: Dibromofluoromethane	197		200.0		98.5	85	115			
Surr: Toluene-d8	203		200.0		102	81	120			

Qualifiers:

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

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

CLIENT: Pollution Control Services
 Work Order: 2408175
 Project: PCS 771277

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240814B

Sample ID: MB-116728	Batch ID: 116728	TestNo: E624.1	Units: mg/L							
SampType: MBLK	Run ID: GCMS5_240814B	Analysis Date: 8/14/2024 12:46:00 PM	Prep Date: 8/14/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	<0.000300	0.00100								
Carbon tetrachloride	<0.000300	0.00100								
Chlorobenzene	<0.000300	0.00100								
Chloroform	<0.000300	0.00100								
Chlorodibromomethane	<0.000300	0.00100								
1,2-Dibromoethane	<0.000300	0.00100								
1,2-Dichloroethane	<0.000300	0.00100								
1,1-Dichloroethene	<0.000300	0.00100								
Methyl ethyl ketone	<0.00500	0.0150								
Tetrachloroethene	<0.000600	0.00200								
Trichloroethene	<0.000600	0.00100								
1,1,1-Trichloroethane	<0.000300	0.00100								
TTHM (Total Trihalomethanes)	<0.000300	0.00100								
Vinyl chloride	<0.000300	0.00100								
Acrolein	<0.00500	0.0150								
Acrylonitrile	<0.00100	0.00300								
1,1,2,2-Tetrachloroethane	<0.000300	0.00100								
Bromoform	<0.000300	0.00100								
Chloroethane	<0.00100	0.00500								
2-Chloroethylvinylether	<0.00600	0.0100								
Bromodichloromethane	<0.000300	0.00100								
1,1-Dichloroethane	<0.000300	0.00100								
1,2-Dichloropropane	<0.000300	0.00100								
1,3-Dichloropropene (cis)	<0.000300	0.00100								
1,3-Dichloropropene (trans)	<0.000300	0.00100								
Ethylbenzene	<0.000300	0.00100								
Methyl bromide	<0.00100	0.00500								
Methyl chloride	<0.00100	0.00500								
Methylene chloride (DCM)	<0.00250	0.00500								
Toluene	<0.000600	0.00200								
trans-1,2-Dichloroethylene	<0.000300	0.00200								
1,1,2-Trichloroethane	<0.000300	0.00100								
1,2-Dichlorobenzene	<0.000300	0.00100								
1,3-Dichlorobenzene	<0.000300	0.00100								
1,4-Dichlorobenzene	<0.000300	0.00100								
Surr: 1,2-Dichloroethane-d4	194		200.0		96.8	72	119			
Surr: 4-Bromofluorobenzene	206		200.0		103	76	119			
Surr: Dibromofluoromethane	202		200.0		101	85	115			
Surr: Toluene-d8	216		200.0		108	81	120			

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

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

CLIENT: Pollution Control Services
Work Order: 2408175
Project: PCS 771277

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240814B

Sample ID: 2408175-01AMS	Batch ID: 116728	TestNo: E624.1	Units: mg/L
SampType: MS	Run ID: GCMS5_240814B	Analysis Date: 8/14/2024 9:01:00 PM	Prep Date: 8/14/2024

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.479	0.0200	0.464	0	103	37	151			
Carbon tetrachloride	0.464	0.0200	0.464	0	100	70	140			
Chlorobenzene	0.477	0.0200	0.464	0	103	37	160			
Chloroform	0.470	0.0200	0.464	0	101	51	138			
Chlorodibromomethane	0.559	0.0200	0.464	0.0932	100	53	149			
1,2-Dibromoethane	0.453	0.0200	0.464	0	97.7	40	160			
1,2-Dichloroethane	0.434	0.0200	0.464	0	93.5	49	155			
1,1-Dichloroethene	0.443	0.0200	0.464	0	95.5	10	234			
Methyl ethyl ketone	2.41	0.300	2.32	0	104	40	160			
Tetrachloroethene	0.486	0.0400	0.464	0	105	64	148			
Trichloroethene	0.474	0.0200	0.464	0	102	70	157			
1,1,1-Trichloroethane	0.442	0.0200	0.464	0	95.3	52	162			
TTHM (Total Trihalomethanes)	2.11	0.0200	1.86	0.253	100	40	160			
Vinyl chloride	0.456	0.0200	0.464	0	98.2	10	251			
Acrolein	0.930	0.300	1.16	0	80.1	40	160			
Acrylonitrile	0.977	0.0600	0.928	0	105	40	160			
1,1,2,2-Tetrachloroethane	0.467	0.0200	0.464	0	101	46	157			
Bromoform	0.601	0.0200	0.464	0.136	100	45	169			
Chloroethane	0.404	0.100	0.464	0	87.1	14	230			
2-Chloroethylvinylether	<0.120	0.200	0.464	0	0	5	273			S
Bromodichloromethane	0.481	0.0200	0.464	0.0242	98.4	35	155			
1,1-Dichloroethane	0.495	0.0200	0.464	0	107	59	155			
1,2-Dichloropropane	0.502	0.0200	0.464	0	108	10	210			
1,3-Dichloropropene (cis)	0.423	0.0200	0.464	0	91.1	10	227			
1,3-Dichloropropene (trans)	0.429	0.0200	0.464	0	92.5	17	183			
Ethylbenzene	0.461	0.0200	0.464	0	99.4	37	162			
Methyl bromide	0.295	0.100	0.464	0	63.7	10	242			
Methyl chloride	0.543	0.100	0.464	0	117	5	273			
Methylene chloride (DCM)	0.463	0.100	0.464	0	99.7	10	221			
Toluene	0.464	0.0400	0.464	0	100	47	150			
trans-1,2-Dichloroethylene	0.457	0.0400	0.464	0	98.4	54	156			
1,1,2-Trichloroethane	0.462	0.0200	0.464	0	99.5	52	150			
1,2-Dichlorobenzene	0.466	0.0200	0.464	0	100	18	190			
1,3-Dichlorobenzene	0.466	0.0200	0.464	0	100	59	156			
1,4-Dichlorobenzene	0.467	0.0200	0.464	0	101	18	190			
Surr: 1,2-Dichloroethane-d4	3730		4000		93.2	72	119			
Surr: 4-Bromofluorobenzene	3750		4000		93.8	76	119			
Surr: Dibromofluoromethane	3970		4000		99.3	85	115			
Surr: Toluene-d8	4010		4000		100	81	120			

Qualifiers:

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

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

CLIENT: Pollution Control Services
 Work Order: 2408175
 Project: PCS 771277

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240814B

Sample ID: 2408175-01AMSD	Batch ID: 116728	TestNo: E624.1	Units: mg/L
SampType: MSD	Run ID: GCMS5_240814B	Analysis Date: 8/14/2024 9:26:00 PM	Prep Date: 8/14/2024

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.575	0.0200	0.464	0	124	37	151	18.3	40	
Carbon tetrachloride	0.538	0.0200	0.464	0	116	70	140	14.7	40	
Chlorobenzene	0.565	0.0200	0.464	0	122	37	160	16.9	40	
Chloroform	0.554	0.0200	0.464	0	119	51	138	16.4	40	
Chlorodibromomethane	0.663	0.0200	0.464	0.0932	123	53	149	17.0	40	
1,2-Dibromoethane	0.551	0.0200	0.464	0	119	40	160	19.5	40	
1,2-Dichloroethane	0.529	0.0200	0.464	0	114	49	155	19.8	40	
1,1-Dichloroethene	0.539	0.0200	0.464	0	116	10	234	19.5	32	
Methyl ethyl ketone	2.73	0.300	2.32	0	118	40	160	12.6	40	
Tetrachloroethene	0.569	0.0400	0.464	0	123	64	148	15.8	39	
Trichloroethene	0.561	0.0200	0.464	0	121	70	157	16.8	40	
1,1,1-Trichloroethane	0.528	0.0200	0.464	0	114	52	162	17.8	36	
TTHM (Total Trihalomethanes)	2.49	0.0200	1.86	0.253	120	40	160	16.3	40	
Vinyl chloride	0.451	0.0200	0.464	0	97.3	10	251	0.917	40	
Acrolein	1.09	0.300	1.16	0	93.6	40	160	15.5	40	
Acrylonitrile	1.12	0.0600	0.928	0	121	40	160	14.0	40	
1,1,2,2-Tetrachloroethane	0.560	0.0200	0.464	0	121	46	157	18.1	40	
Bromoform	0.694	0.0200	0.464	0.136	120	45	169	14.4	40	
Chloroethane	0.421	0.100	0.464	0	90.8	14	230	4.23	40	
2-Chloroethylvinylether	<0.120	0.200	0.464	0	0	5	273	0	40	S
Bromodichloromethane	0.575	0.0200	0.464	0.0242	119	35	155	17.9	40	
1,1-Dichloroethane	0.587	0.0200	0.464	0	126	59	155	16.9	40	
1,2-Dichloropropane	0.607	0.0200	0.464	0	131	10	210	19.1	40	
1,3-Dichloropropene (cis)	0.532	0.0200	0.464	0	115	10	227	22.8	40	
1,3-Dichloropropene (trans)	0.532	0.0200	0.464	0	115	17	183	21.5	40	
Ethylbenzene	0.543	0.0200	0.464	0	117	37	162	16.3	40	
Methyl bromide	0.331	0.100	0.464	0	71.2	10	242	11.2	40	
Methyl chloride	0.546	0.100	0.464	0	118	5	273	0.511	40	
Methylene chloride (DCM)	0.561	0.100	0.464	0	121	10	221	19.2	28	
Toluene	0.553	0.0400	0.464	0	119	47	150	17.6	40	
trans-1,2-Dichloroethylene	0.542	0.0400	0.464	0	117	54	156	17.2	40	
1,1,2-Trichloroethane	0.561	0.0200	0.464	0	121	52	150	19.3	40	
1,2-Dichlorobenzene	0.586	0.0200	0.464	0	126	18	190	22.9	40	
1,3-Dichlorobenzene	0.564	0.0200	0.464	0	122	59	156	19.1	40	
1,4-Dichlorobenzene	0.570	0.0200	0.464	0	123	18	190	19.8	40	
Surr: 1,2-Dichloroethane-d4	3700		4000		92.5	72	119	0	0	
Surr: 4-Bromofluorobenzene	3770		4000		94.2	76	119	0	0	
Surr: Dibromofluoromethane	3960		4000		98.9	85	115	0	0	
Surr: Toluene-d8	4030		4000		101	81	120	0	0	

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

CLIENT: Pollution Control Services
 Work Order: 2408175
 Project: PCS 771277

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_240815D

The QC data in batch 116745 applies to the following samples: 2408175-01B

Sample ID: MB-116745	Batch ID: 116745	TestNo: M4500-CN E	Units: mg/L							
SampType: MBLK	Run ID: UV/VIS_2_240815D	Analysis Date: 8/15/2024 4:09:00 PM	Prep Date: 8/15/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination	<0.0100	0.0200								
Cyanide, Total	<0.0100	0.0200								

Sample ID: LCS-116745	Batch ID: 116745	TestNo: M4500-CN E	Units: mg/L							
SampType: LCS	Run ID: UV/VIS_2_240815D	Analysis Date: 8/15/2024 4:09:00 PM	Prep Date: 8/15/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.185	0.0200	0.2000	0	92.5	85	115			

Sample ID: 2408104-01AMS	Batch ID: 116745	TestNo: M4500-CN E	Units: mg/L							
SampType: MS	Run ID: UV/VIS_2_240815D	Analysis Date: 8/15/2024 4:10:00 PM	Prep Date: 8/15/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.179	0.0200	0.2000	0	89.5	79	114			

Sample ID: 2408104-01AMSD	Batch ID: 116745	TestNo: M4500-CN E	Units: mg/L							
SampType: MSD	Run ID: UV/VIS_2_240815D	Analysis Date: 8/15/2024 4:11:00 PM	Prep Date: 8/15/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.171	0.0200	0.2000	0	85.5	79	114	4.57	20	

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

Pollution Control Services Sample Log-In Checklist

PCS Sample No(s) 771277 COC No. 771277

Client/Company Name: LMC Steel Texas Checklist Completed by: JAA

Sample Delivery to Lab Via:

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

Sample Kit/Coolers

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

Sample Preservation:

* Cooling: Not Required ☐ or Required ☒
If cooling required, record temperature of submitted samples Observed/Corrected 9.6 °C
Is Ice Present in Sample Kit/Cooler? ☒ Yes ☐ No Samples received same day as collected? ☒ Yes ☐ No
Lab Thermometer Make and Serial Number: Vaughan 1807009583 Other: ☐

Acid Preserved Sample - If present, is pH <2? Yes ☒ No ☐ ** ☒ H₂SO₄ ☒ HNO₃ ☒ H₃PO₄
Base Preserved Sample - If present, is pH >12? Yes ☐ No ☐ NaOH ☐
Other Preservation: ☐ If Present, Meets Requirements? Yes ☐ No ☐
Sample Preservations Checked by: JAA Date 8-13-24 Time 1314
pH paper used to check sample preservation (PCS log #): 23-131 (HEM pH checked at analysis).
Samples Preserved/Adjusted by Lab: Lab # Parameters Preserved Preservative Used Log #

Adjusted by Tech/Analyst: _____ Date: _____ Time: _____

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

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

Actions taken to correct problems/discrepancies: _____

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

Receiving qualifier entered into LIMS at login Initial/Date: _____

Revision Comments: Rev. 1 - PCS # 771277 - corrected submit 6085 pesticides
to PCB, total - 9/9/24 - cw

Attachment 10(b)
Week 2 Analyticals

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Penshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 08/19/2024 1043	PCS Sample #: 772021 Page 1 of 5 Date/Time Received: 08/19/2024 12:32 Report Date: 08/30/2024 Approved by: Chuck Walgren, Resident

Test Description	Flag	Result	Units	RL	Analysis Date/Time	Method	Analyst
pH	1	7.4	S.U.	N/A	08/20/2024 13:55	SM 4500-H+B	GOM
BOD5		<4	mg/L	3	08/20/2024 13:55	SM 5210 B	GOM
CBOD5		<4	mg/L	3	08/20/2024 13:55	SM 5210 B	GOM
Chemical Oxygen Demand		<20	mg/L	20	08/26/2024 05:45	HACH 8000	JAS
Chloride_IC		269	mg/L	5	08/20/2024 11:25	EPA 300.0	JAS
Coliform_Fecal	E	0	CFU/100 ml	N/A	08/19/2024 14:10	SM 9223 B	CLH
Conductivity, Specific		2,280	µmhos/cm at 25°C	1	08/20/2024 10:09	SM 2510B	LCC
Nitrate-N_IC		5.2	mg/L	0.5	08/20/2024 11:25	EPA 300.0	JAS

Test Description	Precision	Limit	Quality Assurance Summary	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
pH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	208	167 - 228	
BOD5	<1	23	N/A	N/A	N/A	N/A	N/A	208	167 - 228	
CBOD5	<1	23	N/A	N/A	N/A	N/A	N/A	105	85 - 115	
Chemical Oxygen Demand	2	10	87	96	98	114	102	98	85 - 115	
Chloride_IC	1	10	95	101	100	102	98	85 - 115		
Coliform_Fecal	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Conductivity, Specific	N/A	N/A	N/A	99	100	130	109	85 - 115		
Nitrate-N_IC	1	20	70	99	100	130	109	85 - 115		

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

i: Not covered under NELAP Scope of Accreditation
 1: Informational purposes only - pH outside hold time - pH Temperature: 28°C

These analytical results relate only to the sample tested.
 All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.
 RL = Reporting Limits
 QC Data Reported in % Except BOD in mg/L

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Penschorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 08/19/2024 1043	PCS Sample #: 772021 Page 2 of 5 Date/Time Received: 08/19/2024 12:32 Report Date: 08/30/2024

Test Description	Flag	Result	Units	RL	Analysis Date/Time	Method	Analyst
Phosphorus, Total		0.12	mg/L	0.10	08/26/2024 05:15	SM 4500-P/B/E	JAS
Sulfate IC	R	643	mg/L	5	08/20/2024 11:25	EPA 300.0	JAS
Total Dissolved Solids		1,626	mg/L	10	08/22/2024 12:45	SM 2540C	CLH
Total Suspended Solids		13	mg/L	1	08/20/2024 15:15	SM 2540 D	LCC
Ammonia-N (ISE)		<0.1	mg/L	0.1	08/19/2024 16:20	SM 4500-NH3 D	BMR
Fluoride IC	R	0.94	mg/L	0.50	08/20/2024 11:25	EPA 300.0	JAS
Kjeldahl-N, Total		4	mg/L	1	08/29/2024 11:45	SM 4500-N B/C	BMR
Nitrogen, Total		9.2	mg/L	1	08/29/2024 11:45	Calculation	CFW

Test Description	Precision	Limit	Quality Assurance Summary	MS	MSD	UCL	LCS	LCS Limit	Blank
Phosphorus, Total	<1	10	91	94	95	103	104	85 - 115	
Sulfate IC	1	10	94	*102	101	101	104	85 - 115	
Total Dissolved Solids	0.246	10	N/A	N/A	N/A	N/A			
Total Suspended Solids	9	10	N/A						
Ammonia-N (ISE)	1	10	80	104	105	120	90	85 - 115	
Fluoride IC	1	10	87	*108	*107	105	97	85 - 115	
Kjeldahl-N, Total	1	10	90	99	100	109	106	85 - 115	<1
Nitrogen, Total	N/A	N/A	N/A			N/A			

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

* Approved for release per QA Plan, Exception to Limits - QAM Section 13-4
 R Spike recovery outside control limits due to matrix effect - LCS within limits

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

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Peshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 08/19/2024 1043	PCS Sample #: 772021 Page 3 of 5 Date/Time Received: 08/19/2024 12:32 Report Date: 08/30/2024

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Oil and Grease (H.E.M.)	<5.0	mg/L	5	08/28/2024 10:30	EPA 1664 Rev	EMV
Arsenic/ICP MS	0.0028	mg/L	0.0005	08/28/2024 09:18	EPA 200.8	DJL
Barium/ICP (Total)	0.069	mg/L	0.003	08/23/2024 13:27	EPA 200.7 / 6010 B	DJL
Cadmium/ICP (Total)	<0.001	mg/L	0.001	08/23/2024 13:27	EPA 200.7 / 6010 B	DJL
Chromium/ICP (Total)	0.005	mg/L	0.003	08/23/2024 13:27	EPA 200.7 / 6010 B	DJL
Copper/ICP (Total)	0.060	mg/L	0.002	08/23/2024 13:27	EPA 200.7 / 6010 B	DJL
Lead/ICP MS	0.0031	mg/L	0.0005	08/28/2024 09:18	EPA 200.8	DJL
Aluminum/ICP (Total)	0.468	mg/L	0.0025	08/23/2024 13:27	EPA 200.7 / 6010 B	DJL

Test Description	Precision	Quality Assurance Summary	MS	MSD	UCL	LCS	LCS Limit	Blank
Oil and Grease (H.E.M.)	1	18	N/A	N/A	N/A	94	78 - 114	
Arsenic/ICP MS	<1	20	70	102	103	102	85 - 115	
Barium/ICP (Total)	<1	20	75	94	94	102	85 - 115	
Cadmium/ICP (Total)	<1	20	75	99	98	102	85 - 115	
Chromium/ICP (Total)	<1	20	75	94	94	101	85 - 115	
Copper/ICP (Total)	1	20	75	99	98	107	85 - 115	
Lead/ICP MS	3	20	70	106	109	104	85 - 115	
Aluminum/ICP (Total)	<1	20	75	107	107	96	85 - 115	

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

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

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Penshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 08/19/2024 1043	PCS Sample #: 772021 Date/Time Received: 08/19/2024 12:32 Report Date: 08/30/2024

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Antimony/ICP (Total)	0.015	mg/L	0.010	08/23/2024 13:27	EPA 200.7 / 6010 B	DJL
Iron/ICP (Total)	4.78	mg/L	0.010	08/23/2024 13:27	EPA 200.7 / 6010 B	DJL
Manganese/ICP (Total)	0.100	mg/L	0.002	08/23/2024 13:27	EPA 200.7 / 6010 B	DJL
Nickel/ICP (Total)	0.026	mg/L	0.002	08/23/2024 13:27	EPA 200.7 / 6010 B	DJL
Silver/ICP (Total)	<0.0005	mg/L	0.0005	08/23/2024 13:27	EPA 200.7 / 6010 B	DJL
Zinc/ICP (Total)	0.034	mg/L	0.005	08/23/2024 13:27	EPA 200.7 / 6010 B	DJL
Selenium/ICP (Total)	<0.005	mg/L	0.005	08/23/2024 13:27	EPA 200.7 / 6010 B	DJL
Mercury/CVAFS	<0.000005	mg/L	0.000005	08/26/2024 09:10	EPA 245.7	DJL

Test Description	Precision	Quality Assurance Summary	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Antimony/ICP (Total)	2		75	99	97	125	100	85 - 115	
Iron/ICP (Total)	<1		75	95	95	125	101	85 - 115	
Manganese/ICP (Total)	<1		75	92	92	125	100	85 - 115	
Nickel/ICP (Total)	<1		75	91	90	125	102	85 - 115	
Silver/ICP (Total)	4		75	88	91	125	101	85 - 115	
Zinc/ICP (Total)	<1		75	95	94	125	104	85 - 115	
Selenium/ICP (Total)	<1		75	102	102	125	109	85 - 115	
Mercury/CVAFS	10		70	86	77	130	90	70 - 130	<1.8ng/L

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

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

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Penshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 08/19/2024 1043	PCS Sample #: 772021 Page 5 of 5 Date/Time Received: 08/19/2024 12:32 Report Date: 08/30/2024

Test Description	Flag	Result	Units	RL	Analysis Date/Time	Method	Analyst
Total Organic Carbon	N	7.75	mg/L	0.50	08/26/2024 08:20	SM 5310 C	DIL
Cyanide, Total	+	See Attached				DHL	
Beryllium/ICP MS		<0.0005	mg/L	0.0005	08/28/2024 09:18	EPA 200.8	DIL
Thallium/ICP MS		<0.0005	mg/L	0.0005	08/28/2024 09:18	EPA 200.8	DIL
PCB, Total		See Attached				DHL	
Volatiles 624		See Attached				DHL	
Semi Volatiles 625		See Attached				DHL	

Test Description	Precision	Limit	Quality Assurance Summary	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Total Organic Carbon	<1	10	80	102	101	120	103	85 - 115		
Cyanide, Total	See Attached Report for Quality Assurance Information									
Beryllium/ICP MS	2	20	70	94	96	130	99	85 - 115		
Thallium/ICP MS	3	20	70	101	103	130	99	85 - 115		
PCB, Total	See Attached Report for Quality Assurance Information									
Volatiles 624	See Attached Report for Quality Assurance Information									
Semi Volatiles 625	See Attached Report for Quality Assurance Information									

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

Sitecontract Work - NELAP Certified Lab
 N TOC is Non-Purgeable Organic Carbon

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

POLLUTION CONTROL SERVICES

Chain of Custody Number
772018

MULTIPLE SAMPLE ANALYSIS REQUEST AND CHAIN OF CUSTODY FORM

Stamp 1st sample and COC as same number

CUSTOMER INFORMATION

Name: CMC Steel Texas

REPORT INFORMATION

Attention: Randy Walker 7809 Pens

Phone: (830) 342-8507

Fax: (830) 372-8502

SAMPLE INFORMATION

Project Information:

TCEQ Ind. Permit Renewal

Report "Soils" ☐ As Is ☐ Dry Wt.

Collected By:

Matrix

Type

Container

Requested Analysis

Instructions/Comments:

Client / Field Sample ID

Date

Time

Field Chlorine Residual mg/L

Composite or Grab

Number

BOD, CBOD, TSS, NO₃N, pH
TDS, SO₄, Cl, F, SPCOND, N(calc)
NH₃N, TPO4P, COD, TKN
FOG (HEM)
TCN, Fecal, TOC
METALS*, Low Level Hg
VOC 624, SVOC 625, 608 PCBs

772021
PCS Sample Number

OTFL-001

8/19/24

10:31 AM

☐ C ☐ DW ☐ NPW ☐ G ☐ WW ☐ Soil ☐ Sludge ☐ LW ☐ Other

☐ P ☐ G ☐ O

☐ H₂SO₄ ☐ HNO₃ ☐ H₃PO₄ ☐ NaOH ☐ ICE ☐

☒ ☒ ☒ ☒ ☒ ☒

772018
PCS Sample Number

OTFL-001

8/19/24

10:43 AM

☐ C ☐ DW ☐ NPW ☐ G ☐ WW ☐ Soil ☐ Sludge ☐ LW ☐ Other

☐ P ☐ G ☐ O

☐ H₂SO₄ ☐ HNO₃ ☐ H₃PO₄ ☐ NaOH ☐ ICE ☐

☒ ☒ ☒ ☒ ☒ ☒

772018
PCS Sample Number

OTFL-001

8/19/24

10:43 AM

☐ C ☐ DW ☐ NPW ☐ G ☐ WW ☐ Soil ☐ Sludge ☐ LW ☐ Other

☐ P ☐ G ☐ O

☐ H₂SO₄ ☐ HNO₃ ☐ H₃PO₄ ☐ NaOH ☐ ICE ☐

☒ ☒ ☒ ☒ ☒ ☒

772018
PCS Sample Number

OTFL-001

8/19/24

10:43 AM

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☐ P ☐ G ☐ O

☐ H₂SO₄ ☐ HNO₃ ☐ H₃PO₄ ☐ NaOH ☐ ICE ☐

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10:43 AM

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☐ P ☐ G ☐ O

☐ H₂SO₄ ☐ HNO₃ ☐ H₃PO₄ ☐ NaOH ☐ ICE ☐</

Pollution Control Services

772021 Sample Log-In Checklist

772021

~~772018~~ JAA

PCS Sample No(s) 772018 ^{JAA} COC No. _____

Client/Company Name: CMC steel TEXAS Checklist Completed by: JAA

Sample Delivery to Lab Via:

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

Sample Kit/Coolers

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

Sample Preservation:

* Cooling: Not Required _____ or Required ☒ _____
If cooling required, record temperature of submitted samples Observed/Corrected 9.6 °C
Is Ice Present in Sample Kit/Cooler? ☒ Yes _____ No _____ Samples received same day as collected? ☒ Yes _____ No _____
Lab Thermometer Make and Serial Number: Vaughan 1807009583 Other: _____

Acid Preserved Sample - If present, is pH <2? Yes ☒ No ☒ ** ☒ H₂SO₄ ☒ HNO₃ _____ H₃PO₄ _____
Base Preserved Sample - If present, is pH >12? Yes _____ No _____ NaOH _____
Other Preservation: _____ If Present, Meets Requirements? Yes _____ No _____
Sample Preservations Checked by: JAA Date 8-19-24 Time 1246
pH paper used to check sample preservation (PCS log #): 23-131 (HEM pH checked at analysis).
Samples Preserved/Adjusted by Lab: Lab # _____ Parameters Preserved _____ Preservative Used _____ Log # _____

Adjusted by Tech/Analyst: _____ Date: _____ Time: _____

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

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

Actions taken to correct problems/discrepancies: _____

Receiving qualifier needed (requires client notification above) Temp. _____ Holding Time _____ Initials: _____
Receiving qualifier entered into LIMS at login Initial/Date: _____
Revision Comments: _____

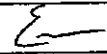
POLLUTION CONTROL SERVICES

1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318
Facsimile 210.658.7903
210.340.0343

2408265

CHAIN OF CUSTODY & SUBCONTRACT TRACKING SHEET

TO: DHL Analytical
2300 Double Creek Dr
Round Rock, TX 78664

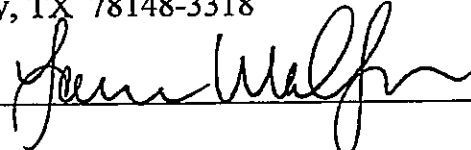
Relinquished by: Lauren Wallgren
Date/Time: 08/19/2024 @ 1500
Received by: 
Date/Time: 8/20/24 1016

PCS#	Date	Time	Analysis	Pres	T. A. T.
			Requested		
01 772021	08/19/2024	1043	Semi Volatiles 625	Ice	Std
772021	-----	---	Cyanide, Total	NaOH, Ice	----
772021	-----	---	Pesticides 608 P.C.B. <i>per Chuck W 8/20/24</i>	Ice	----
772021	-----	---	Volatiles 624	Ice	----

Comments/Special Instructions: REF. Work order # 2408175 per chuck
2.1°C Therm #78, no cust. seal, via Fed Ex Ground

Unless otherwise requested, send results and invoice to:

Chuck Wallgren
Pollution Control Services
1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318

Authorized by:  Date: 8-19-24



August 29, 2024

Chuck Wallgren
Pollution Control Services
1532 Universal City Blvd. #100
Universal City, TX 78148

TEL: (210) 394-4570

FAX:

Order No.: 2408265

RE: PCS 772021

Dear Chuck Wallgren:

DHL Analytical, Inc. received 1 sample(s) on 8/20/2024 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative and all estimated uncertainties of results are within method specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

John DuPont
General Manager

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



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CaseNarrative 2408265	17
WorkOrderSampleSummary 2408265	18
Analytical Report 2408265	19
AnalyticalQCSummaryReport 2408265	23

TABLE 3 (Instructions, Page 58)

Completion of Table 3 is required for all external outfalls which discharge process wastewater.

Partial completion of Table 3 is required for all external outfalls which discharge non-process wastewater and stormwater associated with industrial activities commingled with other wastestreams (see instructions for additional guidance).

Table 3 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Acrylonitrile					50
Anthracene					10
Benzene					10
Benzidine					50
Benzo(a)anthracene					5
Benzo(a)pyrene					5
Bis(2-chloroethyl)ether					10
Bis(2-ethylhexyl)phthalate					10
Bromodichloromethane [Dichlorobromomethane]					10
Bromoform					10
Carbon tetrachloride					2
Chlorobenzene					10
Chlorodibromomethane [Dibromochloromethane]					10
Chloroform					10
Chrysene					5
m-Cresol [3-Methylphenol]					10
o-Cresol [2-Methylphenol]					10
p-Cresol [4-Methylphenol]					10
1,2-Dibromoethane					10
m-Dichlorobenzene [1,3-Dichlorobenzene]					10
o-Dichlorobenzene [1,2-Dichlorobenzene]					10
p-Dichlorobenzene [1,4-Dichlorobenzene]					10
3,3'-Dichlorobenzidine					5
1,2-Dichloroethane					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
1,1-Dichloroethene [1,1-Dichloroethylene]					10
Dichloromethane [Methylene chloride]					20
1,2-Dichloropropane					10
1,3-Dichloropropene [1,3-Dichloropropylene]					10
2,4-Dimethylphenol					10
Di-n-Butyl phthalate					10
Ethylbenzene					10
Fluoride					500
Hexachlorobenzene					5
Hexachlorobutadiene					10
Hexachlorocyclopentadiene					10
Hexachloroethane					20
Methyl ethyl ketone					50
Nitrobenzene					10
N-Nitrosodiethylamine					20
N-Nitroso-di-n-butylamine					20
Nonylphenol					333
Pentachlorobenzene					20
Pentachlorophenol					5
Phenanthrene					10
Polychlorinated biphenyls (PCBs) (**)					0.2
Pyridine					20
1,2,4,5-Tetrachlorobenzene					20
1,1,2,2-Tetrachloroethane					10
Tetrachloroethene [Tetrachloroethylene]					10
Toluene					10
1,1,1-Trichloroethane					10
1,1,2-Trichloroethane					10
Trichloroethene [Trichloroethylene]					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
2,4,5-Trichlorophenol					50
TTHM (Total trihalomethanes)					10
Vinyl chloride					10

(*) Indicate units if different from µg/L.

(**) Total of detects for PCB-1242, PCB-1254, PCB-1221, PCB-1232, PCB-1248, PCB-1260, and PCB-1016. If all non-detects, enter the highest non-detect preceded by a "<".

TABLE 5 (Instructions, Page 59)

Completion of Table 5 is required for all external outfalls which discharge process wastewater from a facility which manufactures or formulates pesticides or herbicides or other wastewaters which may contain pesticides or herbicides.

If this facility does not/will not manufacture or formulate pesticides or herbicides and does not/will not discharge other wastewaters that may contain pesticides or herbicides, check N/A.

☐ N/A

Table 5 for Outfall No.: Click to enter text. Samples are (check one): ☐ Composite ☒ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Aldrin					0.01
Carbaryl					5
Chlordane					0.2
Chlorpyrifos					0.05
4,4'-DDD					0.1
4,4'-DDE					0.1
4,4'-DDT					0.02
2,4-D					0.7
Danitol [Fenpropathrin]					—
Demeton					0.20
Diazinon					0.5/0.1
Dicofol [Kelthane]					1
Dieldrin					0.02
Diuron					0.090

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Endosulfan I (<i>alpha</i>)					0.01
Endosulfan II (<i>beta</i>)					0.02
Endosulfan sulfate					0.1
Endrin					0.02
Guthion [Azinphos methyl]					0.1
Heptachlor					0.01
Heptachlor epoxide					0.01
Hexachlorocyclohexane (<i>alpha</i>)					0.05
Hexachlorocyclohexane (<i>beta</i>)					0.05
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]					0.05
Hexachlorophene					10
Malathion					0.1
Methoxychlor					2.0
Mirex					0.02
Parathion (ethyl)					0.1
Toxaphene					0.3
2,4,5-TP [Silvex]					0.3

* Indicate units if different from µg/L.

TABLE 6 (Instructions, Page 59)

Completion of Table 6 is required for all external outfalls.

Table 6 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☒ Grab

Pollutants	Believed Present	Believed Absent	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)	MAL (µg/L)*
Bromide	<input type="checkbox"/>	<input type="checkbox"/>					400
Color (PCU)	<input type="checkbox"/>	<input type="checkbox"/>					—
Nitrate-Nitrite (as N)	<input type="checkbox"/>	<input type="checkbox"/>					—
Sulfide (as S)	<input type="checkbox"/>	<input type="checkbox"/>					—
Sulfite (as SO ₃)	<input type="checkbox"/>	<input type="checkbox"/>					—
Surfactants	<input type="checkbox"/>	<input type="checkbox"/>					—
Boron, total	<input type="checkbox"/>	<input type="checkbox"/>					20
Cobalt, total	<input type="checkbox"/>	<input type="checkbox"/>					0.3
Iron, total	<input type="checkbox"/>	<input type="checkbox"/>					7
Magnesium, total	<input type="checkbox"/>	<input type="checkbox"/>					20
Manganese, total	<input type="checkbox"/>	<input type="checkbox"/>					0.5
Molybdenum, total	<input type="checkbox"/>	<input type="checkbox"/>					1
Tin, total	<input type="checkbox"/>	<input type="checkbox"/>					5
Titanium, total	<input type="checkbox"/>	<input type="checkbox"/>					30

TABLE 7 (Instructions, Page 60)

Check the box next to any of the industrial categories applicable to this facility. If no categories are applicable, check N/A. If GC/MS testing is required, check the box provided to confirm the testing results for the appropriate parameters are provided with the application.

☐ N/A

Table 7 for Applicable Industrial Categories

Industrial Category	40 CFR Part	Volatiles Table 8	Acids Table 9	Bases/ Neutrals Table 10	Pesticides Table 11
<input type="checkbox"/> Adhesives and Sealants		<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Aluminum Forming	467	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Auto and Other Laundries		<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Battery Manufacturing	461	<input type="checkbox"/> Yes	No	<input type="checkbox"/> Yes	No
<input checked="" type="checkbox"/> Coal Mining	434	No	No	No	No
<input type="checkbox"/> Coil Coating	465	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input checked="" type="checkbox"/> Copper Forming	468	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Electric and Electronic Components	469	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Electroplating	413	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Explosives Manufacturing	457	No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Foundries		<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input checked="" type="checkbox"/> Gum and Wood Chemicals - Subparts A,B,C,E	454	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No	No
<input type="checkbox"/> Gum and Wood Chemicals - Subparts D,F	454	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input checked="" type="checkbox"/> Inorganic Chemicals Manufacturing	415	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Iron and Steel Manufacturing	420	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Leather Tanning and Finishing	425	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Mechanical Products Manufacturing		<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Nonferrous Metals Manufacturing	421,471	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input checked="" type="checkbox"/> Oil and Gas Extraction - Subparts A, D, E, F, G, H	435	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input checked="" type="checkbox"/> Ore Mining - Subpart B	440	No	<input type="checkbox"/> Yes	No	No
<input type="checkbox"/> Organic Chemicals Manufacturing	414	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input checked="" type="checkbox"/> Paint and Ink Formulation	446,447	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Pesticides	455	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Petroleum Refining	419	<input type="checkbox"/> Yes	No	No	No
<input checked="" type="checkbox"/> Pharmaceutical Preparations	439	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input checked="" type="checkbox"/> Photographic Equipment and Supplies	459	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Plastic and Synthetic Materials Manufacturing	414	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Plastic Processing	463	<input type="checkbox"/> Yes	No	No	No
<input checked="" type="checkbox"/> Porcelain Enameling	466	No	No	No	No
<input type="checkbox"/> Printing and Publishing		<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Pulp and Paperboard Mills - Subpart C	430	<input type="checkbox"/> *	<input type="checkbox"/> Yes	<input type="checkbox"/> *	<input type="checkbox"/> Yes
<input type="checkbox"/> Pulp and Paperboard Mills - Subparts F, K	430	<input type="checkbox"/> *	<input type="checkbox"/> Yes	<input type="checkbox"/> *	<input type="checkbox"/> *
<input type="checkbox"/> Pulp and Paperboard Mills - Subparts A, B, D, G, H	430	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> *	<input type="checkbox"/> *
<input type="checkbox"/> Pulp and Paperboard Mills - Subparts I, J, L	430	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> *	<input type="checkbox"/> Yes
<input type="checkbox"/> Pulp and Paperboard Mills - Subpart E	430	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> *
<input checked="" type="checkbox"/> Rubber Processing	428	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Soap and Detergent Manufacturing	417	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Steam Electric Power Plants	423	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No	No
<input type="checkbox"/> Textile Mills (Not Subpart C)	410	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Timber Products Processing	429	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes

* Test if believed present.

TABLES 8, 9, 10, and 11 (Instructions, Page 60)

Completion of Tables 8, 9, 10, and 11 **is required** as specified in Table 7 for all **external outfalls** that contain process wastewater.

Completion of Tables 8, 9, 10, and 11 **may be required** for types of industry not specified in Table 7 for specific parameters that are believed to be present in the wastewater.

Table 8 for Outfall No.: Click to enter text. Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	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 [1,1-Dichloroethene]					10
1,2-Dichloropropane					10
1,3-Dichloropropylene [1,3-Dichloropropene]					10
Ethylbenzene					10
Methyl bromide [Bromomethane]					50
Methyl chloride [Chloromethane]					50
Methylene chloride [Dichloromethane]					20
1,1,2,2-Tetrachloroethane					10
Tetrachloroethylene [Tetrachloroethene]					10
Toluene					10
1,2-Trans-dichloroethylene [1,2-Trans-dichloroethene]					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
1,1,1-Trichloroethane					10
1,1,2-Trichloroethane					10
Trichloroethylene [Trichloroethene]					10
Vinyl chloride					10

* Indicate units if different from µg/L.

Table 9 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	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
Pentachlorophenol					5
Phenol					10
2,4,6-Trichlorophenol					10

* Indicate units if different from µg/L.

Table 10 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Acenaphthene					10
Acenaphthylene					10
Anthracene					10
Benzidine					50
Benzo(a)anthracene					5
Benzo(a)pyrene					5
3,4-Benzofluoranthene [Benzo(b)fluoranthene]					10
Benzo(ghi)perylene					20
Benzo(k)fluoranthene					5
Bis(2-chloroethoxy)methane					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Bis(2-chloroethyl)ether					10
Bis(2-chloroisopropyl)ether					10
Bis(2-ethylhexyl)phthalate					10
4-Bromophenyl phenyl ether					10
Butylbenzyl phthalate					10
2-Chloronaphthalene					10
4-Chlorophenyl phenyl ether					10
Chrysene					5
Dibenzo(a,h)anthracene					5
1,2-Dichlorobenzene [o-Dichlorobenzene]					10
1,3-Dichlorobenzene [m-Dichlorobenzene]					10
1,4-Dichlorobenzene [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
1,2-Diphenylhydrazine (as Azobenzene)					20
Fluoranthene					10
Fluorene					10
Hexachlorobenzene					5
Hexachlorobutadiene					10
Hexachlorocyclopentadiene					10
Hexachloroethane					20
Indeno(1,2,3-cd)pyrene					5
Isophorone					10
Naphthalene					10
Nitrobenzene					10
N-Nitrosodimethylamine					50

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
N-Nitrosodi-n-propylamine					20
N-Nitrosodiphenylamine					20
Phenanthrene					10
Pyrene					10
1,2,4-Trichlorobenzene					10

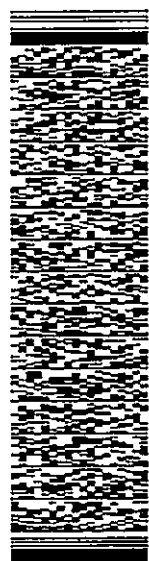
* Indicate units if different from µg/L.

Table 11 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Aldrin					0.01
alpha-BHC [alpha-Hexachlorocyclohexane]					0.05
beta-BHC [beta-Hexachlorocyclohexane]					0.05
gamma-BHC [gamma-Hexachlorocyclohexane]					0.05
delta-BHC [delta-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

FROM: (210) 340-0343
 Chuck Wallgren
 1532 Universal City Blvd. #100
 Universal City TX 78148
 U.S.
SHIP DATE: 19AUG24
ACTWGT: 31.00 LB
CAO: 112447389NET4730
DIMMED: 18 X 10 X 16 IN
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 2300 Double Creek
 ROUND ROCK TX 78664
 (US)
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PO: 583J6/A12D/9AE3



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DHL Analytical, Inc.

Sample Receipt Checklist

Client Name: Pollution Control Services

Date Received: 8/20/2024

Work Order Number: 2408265

Received by: EL

Checklist completed by:

S. Mummery
Signature

8/20/2024

Date

Reviewed by:

JD
Initials

8/20/2024

Date

Carrier name: FedEx Ground

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/> NA <input type="checkbox"/>
Water - pH<2 acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/> LOT # 13171
	Adjusted? <u>NO</u>		Checked by <u>SM</u>
Water - pH>9 (S) or pH>10 (CN) acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/> LOT # 12798
	Adjusted? <u>NO</u>		Checked by <u>SM</u>
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Cooler #	1		
Temp °C	2.1		
Seal Intact	NP		

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

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action: _____

DHL Analytical, Inc.

Date: 29-Aug-24

CLIENT: Pollution Control Services

Project: PCS 772021

Lab Order: 2408265

CASE NARRATIVE

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

EPA and Standard Methods.

The compound Nonylphenol is not NELAP Certified.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives except where noted in the following. For Volatiles Analysis, there was no recovery of 2-Chloroethylvinylether for the Matrix Spike and Matrix Spike Duplicate (2408252-03 MS/MSD). This is flagged accordingly in the QC Summary Report. This compound was within method control limits in the associated LCS. No further corrective action was taken.

For Semivolatiles Analysis, the recovery of Di-n-butyl phthalate for the Laboratory Control Spike (LCS-116878) was marginally above the method control limits. This is flagged accordingly in the QC Summary Report. This compound was within method control limits in the associated ICV. No further corrective action was taken.

DHL Analytical, Inc.

Date: 29-Aug-24

CLIENT: Pollution Control Services
Project: PCS 772021
Lab Order: 2408265

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2408265-01	772021		08/19/24 10:43 AM	08/20/2024

DHL Analytical, Inc.

Date: 29-Aug-24

CLIENT: Pollution Control Services
Project: PCS 772021
Project No:
Lab Order: 2408265

Client Sample ID: 772021
Lab ID: 2408265-01
Collection Date: 08/19/24 10:43 AM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 PCB BY GC/MS							Analyst: JVR
E625.1							
Aroclor 1016	<0.0000973	0.0000973	0.000195		mg/L	1	08/26/24 02:18 PM
Aroclor 1221	<0.0000973	0.0000973	0.000195		mg/L	1	08/26/24 02:18 PM
Aroclor 1232	<0.0000973	0.0000973	0.000195		mg/L	1	08/26/24 02:18 PM
Aroclor 1242	<0.0000973	0.0000973	0.000195		mg/L	1	08/26/24 02:18 PM
Aroclor 1248	<0.0000973	0.0000973	0.000195		mg/L	1	08/26/24 02:18 PM
Aroclor 1254	<0.0000973	0.0000973	0.000195		mg/L	1	08/26/24 02:18 PM
Aroclor 1260	<0.0000973	0.0000973	0.000195		mg/L	1	08/26/24 02:18 PM
Total PCBs	<0.0000973	0.0000973	0.000195		mg/L	1	08/26/24 02:18 PM
Surr: 2-Fluorobiphenyl	76.6	0	43-116		%REC	1	08/26/24 02:18 PM
Surr: 4-Terphenyl-d14	81.1	0	33-141		%REC	1	08/26/24 02:18 PM
625.1 SEMIVOLATILE WATER							Analyst: JVR
E625.1							
Anthracene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Benzidine	<0.000984	0.000984	0.00394		mg/L	1	08/22/24 03:32 PM
Benzo[a]anthracene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Benzo[a]pyrene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Bis(2-chloroethyl)ether	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Bis(2-ethylhexyl)phthalate	<0.00295	0.00295	0.00591		mg/L	1	08/22/24 03:32 PM
Chrysene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
4,6-Dinitro-o-cresol	<0.00197	0.00197	0.00394		mg/L	1	08/22/24 03:32 PM
o-Cresol	<0.00197	0.00197	0.00394		mg/L	1	08/22/24 03:32 PM
p-Chloro-m-Cresol	<0.00197	0.00197	0.00394		mg/L	1	08/22/24 03:32 PM
m,p-Cresols	<0.00197	0.00197	0.00394		mg/L	1	08/22/24 03:32 PM
3,3'-Dichlorobenzidine	<0.000984	0.000984	0.00492		mg/L	1	08/22/24 03:32 PM
2,4-Dimethylphenol	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Di-n-butyl phthalate	<0.00295	0.00295	0.00591		mg/L	1	08/22/24 03:32 PM
Hexachlorobenzene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Hexachlorobutadiene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Hexachlorocyclopentadiene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Hexachloroethane	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Nitrobenzene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
N-Nitrosodiethylamine	<0.00197	0.00197	0.00394		mg/L	1	08/22/24 03:32 PM
N-Nitrosodi-n-butylamine	<0.000984	0.000984	0.00394		mg/L	1	08/22/24 03:32 PM
Pentachlorobenzene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Pentachlorophenol	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Phenanthrene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Pyridine	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
1,2,4,5-Tetrachlorobenzene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
2,4,5-Trichlorophenol	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM

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

DHL Analytical, Inc.

Date: 29-Aug-24

CLIENT: Pollution Control Services
Project: PCS 772021
Project No:
Lab Order: 2408265

Client Sample ID: 772021
Lab ID: 2408265-01
Collection Date: 08/19/24 10:43 AM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER		E625.1		Analyst: JVR			
2-Chlorophenol	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
2,4-Dichlorophenol	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
2,4-Dinitrophenol	<0.00197	0.00197	0.00394		mg/L	1	08/22/24 03:32 PM
2-Nitrophenol	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
4-Nitrophenol	<0.00197	0.00197	0.00394		mg/L	1	08/22/24 03:32 PM
Phenol	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
2,4,6-Trichlorophenol	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Acenaphthene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Acenaphthylene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Benzo[b]fluoranthene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Benzo[g,h,i]perylene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Benzo[k]fluoranthene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Bis(2-chloroethoxy)methane	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Bis(2-chloroisopropyl)ether	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
4-Bromophenyl phenyl ether	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Butyl benzyl phthalate	<0.00295	0.00295	0.00591		mg/L	1	08/22/24 03:32 PM
2-Chloronaphthalene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
4-Chlorophenyl phenyl ether	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Dibenz[a,h]anthracene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Diethyl phthalate	<0.00295	0.00295	0.00591		mg/L	1	08/22/24 03:32 PM
Dimethyl phthalate	<0.00295	0.00295	0.00591		mg/L	1	08/22/24 03:32 PM
2,4-Dinitrotoluene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
2,6-Dinitrotoluene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Di-n-octyl phthalate	<0.00295	0.00295	0.00591		mg/L	1	08/22/24 03:32 PM
1,2-Diphenylhydrazine	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Fluoranthene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Fluorene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Indeno[1,2,3-cd]pyrene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Isophorone	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Naphthalene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
N-Nitrosodimethylamine	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
N-Nitrosodi-n-propylamine	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
N-Nitrosodiphenylamine	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Pyrene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
1,2,4-Trichlorobenzene	<0.000984	0.000984	0.00197		mg/L	1	08/22/24 03:32 PM
Surr: 2,4,6-Tribromophenol	82.5	0	10-123		%REC	1	08/22/24 03:32 PM
Surr: 2-Fluorobiphenyl	78.8	0	43-116		%REC	1	08/22/24 03:32 PM
Surr: 2-Fluorophenol	29.2	0	21-100		%REC	1	08/22/24 03:32 PM

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

DHL Analytical, Inc.

Date: 29-Aug-24

CLIENT: Pollution Control Services
Project: PCS 772021
Project No:
Lab Order: 2408265

Client Sample ID: 772021
Lab ID: 2408265-01
Collection Date: 08/19/24 10:43 AM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER							Analyst: JVR
Surr: 4-Terphenyl-d14	88.3	0	33-141		%REC	1	08/22/24 03:32 PM
Surr: Nitrobenzene-d5	91.3	0	35-115		%REC	1	08/22/24 03:32 PM
Surr: Phenol-d5	19.8	0	10-94		%REC	1	08/22/24 03:32 PM
NONYLPHENOL IN WATER BY ASTM METHOD							Analyst: DEW
Nonylphenol	<0.0689	0.0689	0.0984	N	mg/L	1	08/22/24 03:32 PM
624.1 VOLATILES WATER							Analyst: JVR
Acrylonitrile	<0.00300	0.00300	0.0500		mg/L	1	08/20/24 05:01 PM
Benzene	<0.00100	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
Bromodichloromethane	0.0813	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
Bromoform	0.0250	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
Carbon tetrachloride	<0.00100	0.00100	0.00200		mg/L	1	08/20/24 05:01 PM
Chlorobenzene	<0.00100	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
Chlorodibromomethane	0.0836	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
Chloroform	0.0681	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
1,2-Dibromoethane	<0.00100	0.00100	0.00200		mg/L	1	08/20/24 05:01 PM
1,3-Dichlorobenzene	<0.00100	0.00100	0.00500		mg/L	1	08/20/24 05:01 PM
1,2-Dichlorobenzene	<0.00100	0.00100	0.00500		mg/L	1	08/20/24 05:01 PM
1,4-Dichlorobenzene	<0.00100	0.00100	0.00500		mg/L	1	08/20/24 05:01 PM
1,2-Dichloroethane	<0.00100	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
1,1-Dichloroethene	<0.00100	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
Methylene chloride (DCM)	<0.00250	0.00250	0.0200		mg/L	1	08/20/24 05:01 PM
1,2-Dichloropropane	<0.00100	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
1,3-Dichloropropene (cis)	<0.00100	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
1,3-Dichloropropene (trans)	<0.00100	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
Ethylbenzene	<0.00100	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
Methyl ethyl ketone	<0.0150	0.0150	0.0500		mg/L	1	08/20/24 05:01 PM
1,1,2,2-Tetrachloroethane	<0.00100	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
Tetrachloroethene	<0.00200	0.00200	0.0100		mg/L	1	08/20/24 05:01 PM
Toluene	<0.00200	0.00200	0.0100		mg/L	1	08/20/24 05:01 PM
1,1,1-Trichloroethane	<0.00100	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
1,1,2-Trichloroethane	<0.00100	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
Trichloroethene	<0.00100	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
TTHM (Total Trihalomethanes)	0.258	0.00500	0.0100		mg/L	1	08/20/24 05:01 PM
Vinyl chloride	<0.00100	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
Acrolein	<0.0150	0.0150	0.0500		mg/L	1	08/20/24 05:01 PM
Chloroethane	<0.00200	0.00200	0.0100		mg/L	1	08/20/24 05:01 PM
2-Chloroethylvinylether	<0.00600	0.00600	0.0100		mg/L	1	08/20/24 05:01 PM

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

DHL Analytical, Inc.

Date: 29-Aug-24

CLIENT: Pollution Control Services

Client Sample ID: 772021

Project: PCS 772021

Lab ID: 2408265-01

Project No:

Collection Date: 08/19/24 10:43 AM

Lab Order: 2408265

Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER							Analyst: JVR
E624.1							
1,1-Dichloroethane	<0.00100	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
Methyl bromide	<0.00500	0.00500	0.0200		mg/L	1	08/20/24 05:01 PM
Methyl chloride	<0.00100	0.00100	0.0200		mg/L	1	08/20/24 05:01 PM
trans-1,2-Dichloroethylene	<0.00100	0.00100	0.0100		mg/L	1	08/20/24 05:01 PM
Surr: 1,2-Dichloroethane-d4	96.8	0	72-119		%REC	1	08/20/24 05:01 PM
Surr: 4-Bromofluorobenzene	102	0	76-119		%REC	1	08/20/24 05:01 PM
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	08/20/24 05:01 PM
Surr: Toluene-d8	107	0	81-120		%REC	1	08/20/24 05:01 PM
CYANIDE - WATER SAMPLE							Analyst: SMA
M4500-CN E							
Cyanide, Amenable to Chlorination	<0.0100	0.0100	0.0200		mg/L	1	08/28/24 03:03 PM
Cyanide, Total	<0.0100	0.0100	0.0200		mg/L	1	08/28/24 03:03 PM

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

DHL Analytical, Inc.

Date: 29-Aug-24

CLIENT: Pollution Control Services

Work Order: 2408265

Project: PCS 772021

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_240826B

The QC data in batch 116914 applies to the following samples: 2408265-01D

Sample ID: LCS-116914-PCB	Batch ID: 116914	TestNo: E625.1	Units: mg/L							
SampType: LCS	Run ID: GCMS8_240826B	Analysis Date: 8/26/2024 11:47:00 AM	Prep Date: 8/23/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	0.00330	0.000200	0.00400	0	82.4	37	130			
Aroclor 1260	0.00320	0.000200	0.00400	0	79.9	19	130			
Total PCBs	0.00649	0.000200	0.00800	0	81.2	19	130			
Surr: 2-Fluorobiphenyl	3.12		4.000		78.0	43	116			
Surr: 4-Terphenyl-d14	3.28		4.000		82.0	33	141			

Sample ID: MB-116914	Batch ID: 116914	TestNo: E625.1	Units: mg/L							
SampType: MBLK	Run ID: GCMS8_240826B	Analysis Date: 8/26/2024 12:48:00 PM	Prep Date: 8/23/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	<0.000100	0.000200								
Aroclor 1221	<0.000100	0.000200								
Aroclor 1232	<0.000100	0.000200								
Aroclor 1242	<0.000100	0.000200								
Aroclor 1248	<0.000100	0.000200								
Aroclor 1254	<0.000100	0.000200								
Aroclor 1260	<0.000100	0.000200								
Total PCBs	<0.000100	0.000200								
Surr: 2-Fluorobiphenyl	3.07		4.000		76.8	43	116			
Surr: 4-Terphenyl-d14	3.31		4.000		82.7	33	141			

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

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

Page 1 of 11

CLIENT: Pollution Control Services
 Work Order: 2408265
 Project: PCS 772021

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240822C

The QC data in batch 116878 applies to the following samples: 2408265-01C

Sample ID: LCS-116878-NP	Batch ID: 116878	TestNo: D7065-17	Units: mg/L							
SampType: LCS	Run ID: GCMS9_240822C	Analysis Date: 8/22/2024 12:33:00 PM	Prep Date: 8/21/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nonylphenol	0.882	0.100	1.00	0	88.2	40	140			N

Sample ID: MB-116878	Batch ID: 116878	TestNo: D7065-17	Units: mg/L							
SampType: MBLK	Run ID: GCMS9_240822C	Analysis Date: 8/22/2024 1:18:00 PM	Prep Date: 8/21/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nonylphenol	<0.0700	0.100								N

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

CLIENT: Pollution Control Services
 Work Order: 2408265
 Project: PCS 772021

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240822D

The QC data in batch 116878 applies to the following samples: 2408265-01C

Sample ID: LCS-116878	Batch ID: 116878	TestNo: E625.1	Units: mg/L
SampType: LCS	Run ID: GCMS9_240822D	Analysis Date: 8/22/2024 11:49:00 AM	Prep Date: 8/21/2024

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	0.00842	0.00400	0.0400	0	21.0	5	125			
Benzo[a]anthracene	0.0407	0.00200	0.0400	0	102	33	143			
Benzo[a]pyrene	0.0439	0.00200	0.0400	0	110	17	163			
Chrysene	0.0410	0.00200	0.0400	0	103	17	168			
2,4-Dimethylphenol	0.0370	0.00200	0.0400	0	92.6	32	120			
4,6-Dinitro-o-cresol	0.0439	0.00400	0.0400	0	110	10	181			
m,p-Cresols	0.0306	0.00400	0.0400	0	76.6	10	125			
o-Cresol	0.0325	0.00400	0.0400	0	81.4	25	125			
p-Chloro-m-Cresol	0.0383	0.00400	0.0400	0	95.6	22	147			
Hexachlorobenzene	0.0373	0.00200	0.0400	0	93.2	10	152			
Hexachlorobutadiene	0.0306	0.00200	0.0400	0	76.5	24	120			
Hexachloroethane	0.0330	0.00200	0.0400	0	82.6	40	120			
Nitrobenzene	0.0387	0.00200	0.0400	0	96.7	35	180			
N-Nitrosodiethylamine	0.0360	0.00400	0.0400	0	90.0	20	125			
N-Nitrosodl-n-butylamine	0.0416	0.00400	0.0400	0	104	20	125			
Pentachlorobenzene	0.0367	0.00200	0.0400	0	91.8	40	140			
Pentachlorophenol	0.0314	0.00200	0.0400	0	78.5	14	176			
Phenanthrene	0.0371	0.00200	0.0400	0	92.8	54	120			
Pyridine	0.0164	0.00200	0.0400	0	40.9	10	75			
1,2,4,5-Tetrachlorobenzene	0.0348	0.00200	0.0400	0	87.0	30	140			
2,4,5-Trichlorophenol	0.0423	0.00200	0.0400	0	106	25	125			
2-Chlorophenol	0.0342	0.00200	0.0400	0	85.6	23	134			
2,4-Dichlorophenol	0.0396	0.00200	0.0400	0	99.0	39	135			
2,4-Dinitrophenol	0.0357	0.00400	0.0400	0	89.4	10	191			
2-Nitrophenol	0.0402	0.00200	0.0400	0	100	29	182			
4-Nitrophenol	0.0291	0.00400	0.0400	0	72.6	10	132			
Phenol	0.0200	0.00200	0.0400	0	50.0	5	120			
2,4,6-Trichlorophenol	0.0421	0.00200	0.0400	0	105	37	144			
Acenaphthene	0.0374	0.00200	0.0400	0	93.5	47	145			
Acenaphthylene	0.0364	0.00200	0.0400	0	91.0	33	145			
Anthracene	0.0387	0.00200	0.0400	0	96.8	27	133			
Benzo[b]fluoranthene	0.0424	0.00200	0.0400	0	106	24	159			
Benzo[g,h,i]perylene	0.0440	0.00200	0.0400	0	110	10	219			
Benzo[k]fluoranthene	0.0410	0.00200	0.0400	0	102	11	162			
Bis(2-chloroethoxy)methane	0.0373	0.00200	0.0400	0	93.2	33	184			
Bis(2-chloroethyl)ether	0.0402	0.00200	0.0400	0	101	12	158			
Bis(2-chloroisopropyl)ether	0.0327	0.00200	0.0400	0	81.6	36	166			
Bis(2-ethylhexyl)phthalate	0.0505	0.00600	0.0400	0	126	10	158			
4-Bromophenyl phenyl ether	0.0393	0.00200	0.0400	0	98.2	53	127			
Butyl benzyl phthalate	0.0455	0.00600	0.0400	0	114	10	152			

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

CLIENT: Pollution Control Services
 Work Order: 2408265
 Project: PCS 772021

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240822D

Sample ID: LCS-116878	Batch ID: 116878	TestNo: E625.1	Units: mg/L							
SampType: LCS	Run ID: GCMS9_240822D	Analysis Date: 8/22/2024 11:49:00 AM	Prep Date: 8/21/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Chloronaphthalene	0.0373	0.00200	0.0400	0	93.3	60	120			
4-Chlorophenyl phenyl ether	0.0379	0.00200	0.0400	0	94.9	25	158			
Dibenz[a,h]anthracene	0.0437	0.00200	0.0400	0	109	10	125			
3,3'-Dichlorobenzidine	0.0404	0.00500	0.0400	0	101	10	262			
Diethyl phthalate	0.0412	0.00600	0.0400	0	103	10	120			
Dimethyl phthalate	0.0397	0.00600	0.0400	0	99.2	10	120			
Di-n-butyl phthalate	0.0483	0.00600	0.0400	0	121	10	120			S
2,4-Dinitrotoluene	0.0405	0.00200	0.0400	0	101	39	139			
2,6-Dinitrotoluene	0.0400	0.00200	0.0400	0	100	50	158			
Di-n-octyl phthalate	0.0443	0.00600	0.0400	0	111	10	146			
1,2-Diphenylhydrazine	0.0380	0.00200	0.0400	0	95.0	40	140			
Fluoranthene	0.0448	0.00200	0.0400	0	112	26	137			
Fluorene	0.0400	0.00200	0.0400	0	100	59	121			
Hexachlorocyclopentadiene	0.0387	0.00200	0.0400	0	96.9	8	130			
Indeno[1,2,3-cd]pyrene	0.0425	0.00200	0.0400	0	106	10	171			
Isophorone	0.0364	0.00200	0.0400	0	91.1	21	196			
Naphthalene	0.0347	0.00200	0.0400	0	86.8	21	133			
N-Nitrosodimethylamine	0.0179	0.00200	0.0400	0	44.8	10	125			
N-Nitrosodi-n-propylamine	0.0388	0.00200	0.0400	0	97.0	10	230			
N-Nitrosodiphenylamine	0.0393	0.00200	0.0400	0	98.2	20	125			
Pyrene	0.0406	0.00200	0.0400	0	101	52	120			
1,2,4-Trichlorobenzene	0.0339	0.00200	0.0400	0	84.9	44	142			
Surr: 2,4,6-Tribromophenol	77.8		80.00		97.3	10	123			
Surr: 2-Fluorobiphenyl	67.6		80.00		84.5	43	116			
Surr: 2-Fluorophenol	53.2		80.00		66.5	21	100			
Surr: 4-Terphenyl-d14	72.8		80.00		91.0	33	141			
Surr: Nitrobenzene-d5	74.4		80.00		93.0	35	115			
Surr: Phenol-d5	34.6		80.00		43.2	10	94			

Sample ID: MB-116878	Batch ID: 116878	TestNo: E625.1	Units: mg/L							
SampType: MBLK	Run ID: GCMS9_240822D	Analysis Date: 8/22/2024 1:18:00 PM	Prep Date: 8/21/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	<0.00100	0.00400								
Benzo[a]anthracene	<0.00100	0.00200								
Benzo[a]pyrene	<0.00100	0.00200								
Chrysene	<0.00100	0.00200								
2,4-Dimethylphenol	<0.00100	0.00200								
4,6-Dinitro-o-cresol	<0.00200	0.00400								
m,p-Cresols	<0.00200	0.00400								
o-Cresol	<0.00200	0.00400								

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

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

CLIENT: Pollution Control Services
 Work Order: 2408265
 Project: PCS 772021

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240822D

Sample ID: MB-116878	Batch ID: 116878	TestNo: E625.1	Units: mg/L							
SampType: MBLK	Run ID: GCMS9_240822D	Analysis Date: 8/22/2024 1:18:00 PM	Prep Date: 8/21/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

p-Chloro-m-Cresol	<0.00200	0.00400
Hexachlorobenzene	<0.00100	0.00200
Hexachlorobutadiene	<0.00100	0.00200
Hexachloroethane	<0.00100	0.00200
Nitrobenzene	<0.00100	0.00200
N-Nitrosodiethylamine	<0.00200	0.00400
N-Nitrosodi-n-butylamine	<0.00100	0.00400
Pentachlorobenzene	<0.00100	0.00200
Pentachlorophenol	<0.00100	0.00200
Phenanthrene	<0.00100	0.00200
Pyridine	<0.00100	0.00200
1,2,4,5-Tetrachlorobenzene	<0.00100	0.00200
2,4,5-Trichlorophenol	<0.00100	0.00200
2-Chlorophenol	<0.00100	0.00200
2,4-Dichlorophenol	<0.00100	0.00200
2,4-Dinitrophenol	<0.00200	0.00400
2-Nitrophenol	<0.00100	0.00200
4-Nitrophenol	<0.00200	0.00400
Phenol	<0.00100	0.00200
2,4,6-Trichlorophenol	<0.00100	0.00200
Acenaphthene	<0.00100	0.00200
Acenaphthylene	<0.00100	0.00200
Anthracene	<0.00100	0.00200
Benzo[b]fluoranthene	<0.00100	0.00200
Benzo[g,h,i]perylene	<0.00100	0.00200
Benzo[k]fluoranthene	<0.00100	0.00200
Bis(2-chloroethoxy)methane	<0.00100	0.00200
Bis(2-chloroethyl)ether	<0.00100	0.00200
Bis(2-chloroisopropyl)ether	<0.00100	0.00200
Bis(2-ethylhexyl)phthalate	<0.00300	0.00600
4-Bromophenyl phenyl ether	<0.00100	0.00200
Butyl benzyl phthalate	<0.00300	0.00600
2-Chloronaphthalene	<0.00100	0.00200
4-Chlorophenyl phenyl ether	<0.00100	0.00200
Dibenz[a,h]anthracene	<0.00100	0.00200
3,3'-Dichlorobenzidine	<0.00100	0.00500
Diethyl phthalate	<0.00300	0.00600
Dimethyl phthalate	<0.00300	0.00600
Di-n-butyl phthalate	<0.00300	0.00600
2,4-Dinitrotoluene	<0.00100	0.00200
2,6-Dinitrotoluene	<0.00100	0.00200

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

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

CLIENT: Pollution Control Services
 Work Order: 2408265
 Project: PCS 772021

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240822D

Sample ID: MB-116878	Batch ID: 116878	TestNo: E625.1	Units: mg/L							
SampType: MBLK	Run ID: GCMS9_240822D	Analysis Date: 8/22/2024 1:18:00 PM	Prep Date: 8/21/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Di-n-octyl phthalate	<0.00300	0.00600								
1,2-Diphenylhydrazine	<0.00100	0.00200								
Fluoranthene	<0.00100	0.00200								
Fluorene	<0.00100	0.00200								
Hexachlorocyclopentadiene	<0.00100	0.00200								
Indeno[1,2,3-cd]pyrene	<0.00100	0.00200								
Isophorone	<0.00100	0.00200								
Naphthalene	<0.00100	0.00200								
N-Nitrosodimethylamine	<0.00100	0.00200								
N-Nitrosodi-n-propylamine	<0.00100	0.00200								
N-Nitrosodiphenylamine	<0.00100	0.00200								
Pyrene	<0.00100	0.00200								
1,2,4-Trichlorobenzene	<0.00100	0.00200								
Surr: 2,4,6-Tribromophenol	76.6		80.00		95.8	10	123			
Surr: 2-Fluorobiphenyl	69.6		80.00		87.0	43	116			
Surr: 2-Fluorophenol	47.8		80.00		59.8	21	100			
Surr: 4-Terphenyl-d14	73.6		80.00		92.0	33	141			
Surr: Nitrobenzene-d5	74.2		80.00		92.8	35	115			
Surr: Phenol-d5	27.2		80.00		34.0	10	94			

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

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

CLIENT: Pollution Control Services
 Work Order: 2408265
 Project: PCS 772021

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240820B

The QC data in batch 116837 applies to the following samples: 2408265-01A

Sample ID: LCS-116837	Batch ID: 116837	TestNo: E624.1	Units: mg/L							
SampType: LCS	Run ID: GCMS5_240820B	Analysis Date: 8/20/2024 1:07:00 PM	Prep Date: 8/20/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0253	0.00100	0.0232	0	109	65	135			
Carbon tetrachloride	0.0241	0.00100	0.0232	0	104	70	130			
Chlorobenzene	0.0248	0.00100	0.0232	0	107	35	135			
Chloroform	0.0242	0.00100	0.0232	0	104	70	135			
Chlorodibromomethane	0.0252	0.00100	0.0232	0	108	70	135			
1,2-Dibromoethane	0.0246	0.00100	0.0232	0	106	60	140			
1,2-Dichloroethane	0.0233	0.00100	0.0232	0	101	70	130			
1,1-Dichloroethene	0.0239	0.00100	0.0232	0	103	50	150			
Methyl ethyl ketone	0.143	0.0150	0.116	0	123	60	140			
Tetrachloroethene	0.0259	0.00200	0.0232	0	112	70	130			
Trichloroethene	0.0248	0.00100	0.0232	0	107	65	135			
1,1,1-Trichloroethane	0.0234	0.00100	0.0232	0	101	70	130			
TTHM (Total Trihalomethanes)	0.0986	0.00100	0.0928	0	106	60	140			
Vinyl chloride	0.0268	0.00100	0.0232	0	115	5	195			
Acrolein	0.0640	0.0150	0.0580	0	110	60	140			
Acrylonitrile	0.0522	0.00300	0.0464	0	113	60	140			
1,1,2,2-Tetrachloroethane	0.0247	0.00100	0.0232	0	106	60	140			
Bromoform	0.0252	0.00100	0.0232	0	109	65	135			
Chloroethane	0.0231	0.00500	0.0232	0	99.6	40	160			
2-Chloroethylvinylether	0.0156	0.0100	0.0232	0	67.4	5	225			
Bromodichloromethane	0.0241	0.00100	0.0232	0	104	65	135			
1,1-Dichloroethane	0.0261	0.00100	0.0232	0	112	70	130			
1,2-Dichloropropane	0.0269	0.00100	0.0232	0	116	35	165			
1,3-Dichloropropene (cis)	0.0250	0.00100	0.0232	0	108	25	175			
1,3-Dichloropropene (trans)	0.0244	0.00100	0.0232	0	105	50	150			
Ethylbenzene	0.0244	0.00100	0.0232	0	105	60	140			
Methyl bromide	0.0191	0.00500	0.0232	0	82.3	15	185			
Methyl chloride	0.0314	0.00500	0.0232	0	135	5	205			
Methylene chloride (DCM)	0.0253	0.00500	0.0232	0	109	60	140			
Toluene	0.0250	0.00200	0.0232	0	108	70	130			
trans-1,2-Dichloroethylene	0.0245	0.00200	0.0232	0	106	70	130			
1,1,2-Trichloroethane	0.0251	0.00100	0.0232	0	108	70	130			
1,2-Dichlorobenzene	0.0257	0.00100	0.0232	0	111	65	135			
1,3-Dichlorobenzene	0.0250	0.00100	0.0232	0	108	70	130			
1,4-Dichlorobenzene	0.0246	0.00100	0.0232	0	106	65	135			
Surr: 1,2-Dichloroethane-d4	183		200.0		91.7	72	119			
Surr: 4-Bromofluorobenzene	189		200.0		94.3	76	119			
Surr: Dibromofluoromethane	196		200.0		98.0	85	115			
Surr: Toluene-d8	202		200.0		101	81	120			

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

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

CLIENT: Pollution Control Services
 Work Order: 2408265
 Project: PCS 772021

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240820B

Sample ID: MB-116837	Batch ID: 116837	TestNo: E624.1	Units: mg/L							
SampType: MBLK	Run ID: GCMS5_240820B	Analysis Date: 8/20/2024 1:58:00 PM	Prep Date: 8/20/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	<0.000300	0.00100
Carbon tetrachloride	<0.000300	0.00100
Chlorobenzene	<0.000300	0.00100
Chloroform	<0.000300	0.00100
Chlorodibromomethane	<0.000300	0.00100
1,2-Dibromoethane	<0.000300	0.00100
1,2-Dichloroethane	<0.000300	0.00100
1,1-Dichloroethene	<0.000300	0.00100
Methyl ethyl ketone	<0.00500	0.0150
Tetrachloroethene	<0.000600	0.00200
Trichloroethene	<0.000600	0.00100
1,1,1-Trichloroethane	<0.000300	0.00100
TTHM (Total Trihalomethanes)	<0.000300	0.00100
Vinyl chloride	<0.000300	0.00100
Acrolein	<0.00500	0.0150
Acrylonitrile	<0.00100	0.00300
1,1,2,2-Tetrachloroethane	<0.000300	0.00100
Bromoform	<0.000300	0.00100
Chloroethane	<0.00100	0.00500
2-Chloroethylvinylether	<0.00600	0.0100
Bromodichloromethane	<0.000300	0.00100
1,1-Dichloroethane	<0.000300	0.00100
1,2-Dichloropropane	<0.000300	0.00100
1,3-Dichloropropene (cis)	<0.000300	0.00100
1,3-Dichloropropene (trans)	<0.000300	0.00100
Ethylbenzene	<0.000300	0.00100
Methyl bromide	<0.00100	0.00500
Methyl chloride	<0.00100	0.00500
Methylene chloride (DCM)	<0.00250	0.00500
Toluene	<0.000600	0.00200
trans-1,2-Dichloroethylene	<0.000300	0.00200
1,1,2-Trichloroethane	<0.000300	0.00100
1,2-Dichlorobenzene	<0.000300	0.00100
1,3-Dichlorobenzene	<0.000300	0.00100
1,4-Dichlorobenzene	<0.000300	0.00100

Surr: 1,2-Dichloroethane-d4	192	200.0	96.1	72	119
Surr: 4-Bromofluorobenzene	203	200.0	102	76	119
Surr: Dibromofluoromethane	209	200.0	104	85	115
Surr: Toluene-d8	215	200.0	107	81	120

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

CLIENT: Pollution Control Services
 Work Order: 2408265
 Project: PCS 772021

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240820B

Sample ID: 2408262-03AMS	Batch ID: 116837	TestNo: E624.1	Units: mg/L							
SampType: MS	Run ID: GCMS5_240820B	Analysis Date: 8/20/2024 8:02:00 PM	Prep Date: 8/20/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	0.0254	0.00100	0.0232	0	109	37	151			
Carbon tetrachloride	0.0242	0.00100	0.0232	0	104	70	140			
Chlorobenzene	0.0248	0.00100	0.0232	0	107	37	160			
Chloroform	0.0243	0.00100	0.0232	0	105	51	138			
Chlorodibromomethane	0.0247	0.00100	0.0232	0	106	53	149			
1,2-Dibromoethane	0.0241	0.00100	0.0232	0	104	40	160			
1,2-Dichloroethane	0.0236	0.00100	0.0232	0	102	49	155			
1,1-Dichloroethene	0.0232	0.00100	0.0232	0	99.8	10	234			
Methyl ethyl ketone	0.128	0.0150	0.116	0	110	40	160			
Tetrachloroethene	0.0273	0.00200	0.0232	0.00136	112	64	148			
Trichloroethene	0.0247	0.00100	0.0232	0	106	70	157			
1,1,1-Trichloroethane	0.0235	0.00100	0.0232	0	101	52	162			
TTHM (Total Trihalomethanes)	0.0971	0.00100	0.0928	0	105	40	160			
Vinyl chloride	0.0269	0.00100	0.0232	0	116	10	251			
Acrolein	0.0552	0.0150	0.0580	0	95.2	40	160			
Acrylonitrile	0.0491	0.00300	0.0464	0	106	40	160			
1,1,2,2-Tetrachloroethane	0.0242	0.00100	0.0232	0	104	46	157			
Bromoform	0.0235	0.00100	0.0232	0	101	45	169			
Chloroethane	0.0234	0.00500	0.0232	0	101	14	230			
2-Chloroethylvinylether	<0.00600	0.0100	0.0232	0	0	5	273			S
Bromodichloromethane	0.0247	0.00100	0.0232	0	106	35	155			
1,1-Dichloroethane	0.0261	0.00100	0.0232	0	113	59	155			
1,2-Dichloropropane	0.0270	0.00100	0.0232	0	116	10	210			
1,3-Dichloropropene (cis)	0.0218	0.00100	0.0232	0	94.0	10	227			
1,3-Dichloropropene (trans)	0.0232	0.00100	0.0232	0	100	17	183			
Ethylbenzene	0.0240	0.00100	0.0232	0	104	37	162			
Methyl bromide	0.0191	0.00500	0.0232	0	82.5	10	242			
Methyl chloride	0.0342	0.00500	0.0232	0	147	5	273			
Methylene chloride (DCM)	0.0247	0.00500	0.0232	0	106	10	221			
Toluene	0.0248	0.00200	0.0232	0	107	47	150			
trans-1,2-Dichloroethylene	0.0239	0.00200	0.0232	0	103	54	156			
1,1,2-Trichloroethane	0.0249	0.00100	0.0232	0	107	52	150			
1,2-Dichlorobenzene	0.0248	0.00100	0.0232	0	107	18	190			
1,3-Dichlorobenzene	0.0245	0.00100	0.0232	0	106	59	156			
1,4-Dichlorobenzene	0.0245	0.00100	0.0232	0	105	18	190			
Surr: 1,2-Dichloroethane-d4	198		200.0		99.2	72	119			
Surr: 4-Bromofluorobenzene	189		200.0		94.6	76	119			
Surr: Dibromofluoromethane	204		200.0		102	85	115			
Surr: Toluene-d8	197		200.0		98.3	81	120			

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

CLIENT: Pollution Control Services
 Work Order: 2408265
 Project: PCS 772021

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240820B

Sample ID: 2408252-03AMSD	Batch ID: 116837	TestNo: E624.1				Units: mg/L				
SampType: MSD	Run ID: GCMS5_240820B	Analysis Date: 8/20/2024 8:28:00 PM				Prep Date: 8/20/2024				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0267	0.00100	0.0232	0	115	37	151	4.98	40	
Carbon tetrachloride	0.0252	0.00100	0.0232	0	108	70	140	3.92	40	
Chlorobenzene	0.0262	0.00100	0.0232	0	113	37	160	5.72	40	
Chloroform	0.0256	0.00100	0.0232	0	110	51	138	5.25	40	
Chlorodibromomethane	0.0256	0.00100	0.0232	0	111	53	149	3.80	40	
1,2-Dibromoethane	0.0249	0.00100	0.0232	0	107	40	160	3.22	40	
1,2-Dichloroethane	0.0246	0.00100	0.0232	0	106	49	155	4.34	40	
1,1-Dichloroethene	0.0247	0.00100	0.0232	0	106	10	234	6.41	32	
Methyl ethyl ketone	0.148	0.0150	0.116	0	127	40	160	14.3	40	
Tetrachloroethene	0.0284	0.00200	0.0232	0.00136	116	64	148	4.00	39	
Trichloroethene	0.0260	0.00100	0.0232	0	112	70	157	5.22	40	
1,1,1-Trichloroethane	0.0244	0.00100	0.0232	0	105	52	162	3.91	36	
TTHM (Total Trihalomethanes)	0.101	0.00100	0.0928	0	109	40	160	3.79	40	
Vinyl chloride	0.0272	0.00100	0.0232	0	117	10	251	1.08	40	
Acrolein	0.0551	0.0150	0.0580	0	95.0	40	160	0.169	40	
Acrylonitrile	0.0499	0.00300	0.0464	0	108	40	160	1.70	40	
1,1,2,2-Tetrachloroethane	0.0259	0.00100	0.0232	0	112	46	157	6.97	40	
Bromoform	0.0244	0.00100	0.0232	0	105	45	169	3.70	40	
Chloroethane	0.0232	0.00500	0.0232	0	100	14	230	0.686	40	
2-Chloroethylvinylether	<0.00600	0.0100	0.0232	0	0	5	273	0	40	S
Bromodichloromethane	0.0253	0.00100	0.0232	0	109	35	155	2.40	40	
1,1-Dichloroethane	0.0273	0.00100	0.0232	0	118	59	155	4.23	40	
1,2-Dichloropropane	0.0285	0.00100	0.0232	0	123	10	210	5.32	40	
1,3-Dichloropropene (cis)	0.0231	0.00100	0.0232	0	99.6	10	227	5.71	40	
1,3-Dichloropropene (trans)	0.0239	0.00100	0.0232	0	103	17	183	2.89	40	
Ethylbenzene	0.0258	0.00100	0.0232	0	111	37	162	6.96	40	
Methyl bromide	0.0198	0.00500	0.0232	0	85.3	10	242	3.40	40	
Methyl chloride	0.0340	0.00500	0.0232	0	146	5	273	0.672	40	
Methylene chloride (DCM)	0.0256	0.00500	0.0232	0	110	10	221	3.76	28	
Toluene	0.0259	0.00200	0.0232	0	112	47	150	4.58	40	
trans-1,2-Dichloroethylene	0.0252	0.00200	0.0232	0	109	54	156	5.30	40	
1,1,2-Trichloroethane	0.0257	0.00100	0.0232	0	111	52	150	3.30	40	
1,2-Dichlorobenzene	0.0263	0.00100	0.0232	0	113	18	190	5.82	40	
1,3-Dichlorobenzene	0.0261	0.00100	0.0232	0	112	59	156	6.17	40	
1,4-Dichlorobenzene	0.0259	0.00100	0.0232	0	112	18	190	5.83	40	
Surr: 1,2-Dichloroethane-d4	193		200.0		96.6	72	119	0	0	
Surr: 4-Bromofluorobenzene	190		200.0		95.2	76	119	0	0	
Surr: Dibromofluoromethane	201		200.0		100	85	115	0	0	
Surr: Toluene-d8	201		200.0		101	81	120	0	0	

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

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

CLIENT: Pollution Control Services
 Work Order: 2408265
 Project: PCS 772021

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_240828B

The QC data in batch 116958 applies to the following samples: 2408265-01B

Sample ID: MB-116958	Batch ID: 116958	TestNo: M4500-CN E	Units: mg/L							
SampType: MBLK	Run ID: UV/VIS_2_240828B	Analysis Date: 8/28/2024 2:57:00 PM	Prep Date: 8/28/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Cyanide, Amenable to Chlorination <0.0100 0.0200

Cyanide, Total <0.0100 0.0200

Sample ID: LCS-116958	Batch ID: 116958	TestNo: M4500-CN E	Units: mg/L							
SampType: LCS	Run ID: UV/VIS_2_240828B	Analysis Date: 8/28/2024 2:58:00 PM	Prep Date: 8/28/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Cyanide, Total 0.186 0.0200 0.2000 0 92.9 85 115

Sample ID: 2408254-02AMS	Batch ID: 116958	TestNo: M4500-CN E	Units: mg/L							
SampType: MS	Run ID: UV/VIS_2_240828B	Analysis Date: 8/28/2024 2:58:00 PM	Prep Date: 8/28/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Cyanide, Total 0.192 0.0200 0.2000 0 95.8 79 114

Sample ID: 2408254-02AMSD	Batch ID: 116958	TestNo: M4500-CN E	Units: mg/L							
SampType: MSD	Run ID: UV/VIS_2_240828B	Analysis Date: 8/28/2024 2:59:00 PM	Prep Date: 8/28/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Cyanide, Total 0.188 0.0200 0.2000 0 93.8 79 114 2.05 20

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

Attachment 10(c)
Week 3 Analyticals

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Penschorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTYL-001 Matrix: Non-Potable Water Date/Time Taken: 8/26/2024 1122	PCS Sample #: 772768 Page 1 of 5 Date/Time Received: 8/26/2024 12:44 Report Date: 9/16/2024 Approved by: <i>Chuck Wallgren</i> Chuck Wallgren, President

Test Description	Flag	Result	Units	RL	Analysis Date/Time	Method	Analyst
pH	1	7.3	S.U.	N/A	08/27/2024 13:07	SM 4500-H ⁺ B	GOM
BOD5		6	mg/L	3	08/27/2024 13:07	SM 5210 B	GOM
CBOD5		6	mg/L	3	08/27/2024 13:07	SM 5210 B	GOM
Chemical Oxygen Demand		53	mg/L	20	09/06/2024 06:00	HACH 8000	IAS
Chloride_IC		296	mg/L	5	08/27/2024 13:18	EPA 300.0	IAS
Coliform, Fecal	E	0	CFU/100 ml	N/A	08/26/2024 14:25	SM 9223 B	CLH
Conductivity, Specific		2,384	µmhos/cm at 25° C	1	08/27/2024 16:27	SM 2510B	LCC
Nitrate-N_IC		4.2	mg/L	0.5	08/27/2024 13:18	EPA 300.0	IAS

Test Description	Precision	Limit	Quality Assurance Summary	MS	MSD	UCL	LCS	ICS Limit	Blank
pH	N/A	N/A	N/A			N/A			
BOD5	<1	23	N/A	N/A	N/A	N/A	196	167 - 228	
CBOD5	<1	23	N/A	N/A	N/A	N/A	196	167 - 228	
Chemical Oxygen Demand	1	10	87	107	105	114	97	85 - 115	
Chloride_IC	<1	10	95	98	98	102	97	85 - 115	
Coliform, Fecal	N/A	N/A	N/A			N/A			
Conductivity, Specific	N/A	N/A	N/A			N/A			
Nitrate-N_IC	<1	20	70	98	98	130	102	85 - 115	

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

^E Not covered under NELAP Scope of Accreditation
¹ Informational purposes only - pH outside hold time - pH Temperature: 26°C

These analytical results relate only to the sample tested.
 All data is reported on an "As Is" basis unless designated as "Dry Wt."
 RL = Reporting Limits
 QC Data Reported in %, Except BOD in mg/L

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Penshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 8/26/2024 1122	PCS Sample #: 772768 Page 2 of 5 Date/Time Received: 8/26/2024 12:44 Report Date: 9/16/2024

Test Description	Flag	Result	Units	RL	Analysis Date/Time	Method	Analyst
Phosphorus, Total		0.31	mg/L	0.10	08/28/2024 05:00	SM 4500-P/B/E	JAS
Sulfate _{IC}	R	629	mg/L	5	08/27/2024 13:18	EPA 300.0	JAS
Total Dissolved Solids		1,720	mg/L	10	08/27/2024 13:55	SM 2540C	PML
Total Suspended Solids		19	mg/L	1	08/27/2024 13:10	SM 2540 D	PML
Ammonia-N (ISE)		<0.1	mg/L	0.1	08/27/2024 13:40	SM 4500-NH3 D	BMR
Fluoride _{IC}		1.60	mg/L	0.50	08/27/2024 13:18	EPA 300.0	JAS
Kjeldahl-N, Total		5	mg/L	1	08/29/2024 11:45	SM 4500-N B/C	BMR
Nitrogen, Total		9.2	mg/L	1	08/29/2024 11:45	Calculation	CFW

Test Description	Precision	Limit	Quality Assurance Summary	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Phosphorus, Total	<1	10	91	96	97	103	103	85 - 115		
Sulfate _{IC}	1	10	94	100	*102	101	100	85 - 115		
Total Dissolved Solids	<1	10	N/A	N/A	N/A	N/A	N/A			
Total Suspended Solids	3	10	N/A	100	103	120	87	85 - 115		
Ammonia-N (ISE)	3	10	80	96	95	105	107	85 - 115		
Fluoride _{IC}	<1	10	87	96	100	109	106	85 - 115		
Kjeldahl-N, Total	1	10	90	99	100	109	106	85 - 115		
Nitrogen, Total	N/A	N/A	N/A							

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

*Approved for release per QA Plan, Exception to Limits - QAM Section 13-4
R Spike recovery outside control limits due to matrix effect - LCS within limits

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

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Penshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 8/26/2024 1122	PCS Sample #: 772768 Page 3 of 5 Date/Time Received: 8/26/2024 12:44 Report Date: 9/16/2024

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Oil and Grease (H.E.M.)	<5.0	mg/L	5	08/28/2024 10:30	EPA 1664 Rev	EMV
Arsenic/ICP MS	0.0028	mg/L	0.0005	09/10/2024 12:05	EPA 200.8	DJL
Barium/ICP (Total)	0.020	mg/L	0.003	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL
Cadmium/ICP (Total)	<0.001	mg/L	0.001	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL
Chromium/ICP (Total)	<0.003	mg/L	0.003	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL
Copper/ICP (Total)	0.011	mg/L	0.002	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL
Lead/ICP MS	0.0041	mg/L	0.0005	09/10/2024 12:05	EPA 200.8	DJL
Aluminum/ICP (Total)	0.088	mg/L	0.0025	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL

Test Description	Precision	Limit	Summary	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Oil and Grease (H.E.M.)	1	18	N/A	N/A	N/A	N/A	N/A	94	78 - 114	
Arsenic/ICP MS	<1	20	70	109	110	130	97	85 - 115		
Barium/ICP (Total)	<1	20	75	90	90	125	100	85 - 115		
Cadmium/ICP (Total)	1	20	75	96	95	125	100	85 - 115		
Chromium/ICP (Total)	1	20	75	90	89	125	100	85 - 115		
Copper/ICP (Total)	<1	20	75	103	103	125	100	85 - 115		
Lead/ICP MS	<1	20	70	114	115	130	104	85 - 115		
Aluminum/ICP (Total)	7	20	75	95	88	125	100	85 - 115		

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

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

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Penshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 8/26/2024 1122	PCS Sample #: 772768 Page 4 of 5 Date/Time Received: 8/26/2024 12:44 Report Date: 9/16/2024

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Antimony/ICP (Total)	<0.010	mg/L	0.010	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL
Iron/ICP (Total)	3.10	mg/L	0.010	09/06/2024 08:50	EPA 200.7 / 6010 B	DJL
Manganese/ICP (Total)	0.029	mg/L	0.002	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL
Nickel/ICP (Total)	0.006	mg/L	0.002	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL
Silver/ICP (Total)	<0.0005	mg/L	0.0005	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL
Zinc/ICP (Total)	0.011	mg/L	0.005	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL
Selenium/ICP (Total)	<0.005	mg/L	0.005	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL
Mercury/CVAFS	0.000015	mg/L	0.000005	09/12/2024 09:29	EPA 245.7	DJL

Test Description	Precision	Quality Assurance Summary	MS	MSD	UCL	LCS	LCS Limit	Blank
Antimony/ICP (Total)	1	20	75	95	94	125	100	85 - 115
Iron/ICP (Total)	<1	20	75	*N/C	*N/C	125	100	85 - 115
Manganese/ICP (Total)	1	20	75	91	90	125	100	85 - 115
Nickel/ICP (Total)	1	20	75	88	87	125	100	85 - 115
Silver/ICP (Total)	3	20	75	94	91	125	100	85 - 115
Zinc/ICP (Total)	1	20	75	87	86	125	100	85 - 115
Selenium/ICP (Total)	1	20	75	99	98	125	100	85 - 115
Mercury/CVAFS	1	20	70	104	101	130	110	70 - 130

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

*Approved for release per QA Plan, Exception to Limits - QAM Section 13-4

These analytical results relate only to the sample tested.
 All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.
 RL = Reporting Limits
 *N/C = Not Calculated, Sample Concentration Greater than 5 times the Spike Level

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Penshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 8/26/2024 1122	PCS Sample #: 772768 Page 5 of 5 Date/Time Received: 8/26/2024 12:44 Report Date: 9/16/2024

Test Description	Flag	Result	Units	RL	Analysis Date/Time	Method	Analyst
Total Organic Carbon	N	17.6	mg/L	0.50	09/04/2024 18:00	SM 5310 C	DJL
Cyanide, Total	+	See Attached				DHL	
Beryllium/ICP MS		<0.0005	mg/L	0.0005	09/10/2024 12:05	EPA 200.8	DJL
Thallium/ICP MS		<0.0005	mg/L	0.0005	09/10/2024 12:05	EPA 200.8	DJL
PCB, Total		See Attached				DHL	
Volatiles 624		See Attached				DHL	
Semi Volatiles 625		See Attached				DHL	

Test Description	Precision	Limit	Quality Assurance Summary	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Total Organic Carbon	<1	10	80	105	104	120	97	85	115	
Cyanide, Total	See Attached Report for Quality Assurance Information									
Beryllium/ICP MS	2	20	70	99	101	130	97	85	115	
Thallium/ICP MS	<1	20	70	109	109	130	98	85	115	
PCB, Total	See Attached Report for Quality Assurance Information									
Volatiles 624	See Attached Report for Quality Assurance Information									
Semi Volatiles 625	See Attached Report for Quality Assurance Information									

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

* Subcontract Work - NELAP Certified Lab
 N TOC is Non-Purgeable Organic Carbon

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

POLLUTION CONTROL SERVICES

Chain of Custody Number

772768

Stamp 1" sample and COC as same number

MULTIPLE SAMPLE ANALYSIS REQUEST AND CHAIN OF CUSTODY FORM

499-3114

CUSTOMER INFORMATION

REPORT INFORMATION

Requested Analysis

Fax: (830) 372-8502

Name: CMC Steel Texas

Attention: Randy Walker-71207 Pens/PPM Phone: (830) 372-8507

SAMPLE INFORMATION

Collected By:

Requested Analysis

Instructions/Comments:

TCEQ Ind. Permit Renewal
Report "Soils" ☐ As Is ☐ Dry Wt.

Field Chlorine Residual mg/L

Matrix

Type

Container

Preservative

*Al_low, Sb, AsMS, Ba_low, BaMS, Cd_low, Cr_low, Cu_low, Fe, PbMS, Mn_low, Ni_low, Se_low, Ag_low, TlMS, Zn_low

Client / Field Sample ID

Date

Time

Field Chlorine Residual mg/L

Type

Number

Preservative

PCS Sample Number

OTFL-001

8/26/24

11:54 AM

Field Chlorine Residual mg/L

Type

Number

Preservative

772768

OTFL-001

8/26/24

11:54 AM

Field Chlorine Residual mg/L

Type

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Field Chlorine Residual mg/L

Type

Number

Preservative

772768

OTFL-001

8/26/24

11:54 AM

Field Chlorine Residual mg/L

Type

Number

Preservative

772768

POLLUTION CONTROL SERVICES

1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318
Facsimile 210.658.7903
210.340.0343

2408322

CHAIN OF CUSTODY & SUBCONTRACT TRACKING SHEET

TO: DHL Analytical
2300 Double Creek Dr
Round Rock, TX 78664

Relinquished by: Lauren Wallgren
Date/Time: 08/26/2024 @ 1500
Received by: [Signature]
Date/Time: 8/27/24 - 10:34

Fedex

PCS#	Date	Time	Analysis Requested	Pres	T. A. T.
01 772768	08/26/2024	1122	Semi Volatiles 625	Ice	Std
772768	-----	----	Cyanide, Total Amenable	NaOH	----
772768	-----	----	PCB Pesticides 608	Ice	----
772768	-----	----	Volatiles 624	Ice	----
			per client/JD 9/5/2024-afo		

Comments/Special Instructions: Ref work order # 2408175 per Chuck
4.20c thru #78 custody seal not present

Unless otherwise requested, send results and invoice to:

Chuck Wallgren
Pollution Control Services
1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318

Authorized by: [Signature]

Date: 8-26-24



September 05, 2024

Chuck Wallgren
Pollution Control Services
1532 Universal City Blvd. #100
Universal City, TX 78148

TEL: (210) 394-4570

FAX:

RE: PCS 772768

Order No.: 2408322

Dear Chuck Wallgren:

DHL Analytical, Inc. received 1 sample(s) on 8/27/2024 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative and all estimated uncertainties of results are within method specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

John DuPont
General Manager

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



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FROM: (210) 340-0343

Chuck Wallgren

1532 Universal City Blvd. #100

Universal City TX 78148

US

SHIP DATE: 26AUG24

ACTWGT: 32.00 LB

CAD: 112447338INET4760

DIMMED: 18 X 10 X 16 IN

BILL SENDER

TO John dupont

DHL Analytical

2300 Double Creek

ROUND ROCK TX 78664

(512) 388-8222

REF:

INV:

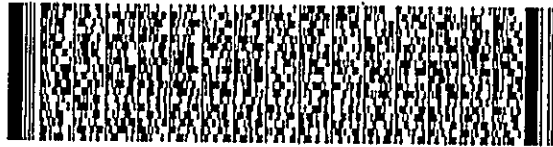
PO:

DEPT:

(US)

583.86/1209AE3

FedEx Ship Manager - Print Your Label(s)



FedEx
Ground

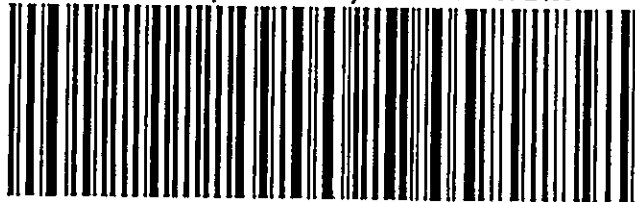


243024071301ov

TRK# 7781 9309 2409

78664

9622 0019 0 (000 000 0000) 0 00 7781 9309 2409



8/26/24, 2:33 PM

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name: Pollution Control Services

Date Received: 8/27/2024

Work Order Number: 2408322

Received by: KAO

Checklist completed by:

[Signature]
Signature

8/27/2024

Date

Reviewed by:

SH
Initials

8/27/2024

Date

Carrier name: FedEx Ground

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

Cooler # 1
Temp °C 4.2
Seal Intact NP

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

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action: _____

CLIENT: Pollution Control Services
Project: PCS 772768
Lab Order: 2408322

CASE NARRATIVE

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

ASTM, EPA and Standard Methods.

The parameter Nonylphenol is not NELAP Certified.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives except where noted in the following. For Volatiles Analysis, there was no recovery of 2-Chloroethylvinylether for the Matrix Spike and Matrix Spike Duplicate (2408315-07 MS/MSD). This is flagged accordingly in the QC Summary Report. This compound was within method control limits in the associated LCS. No further corrective action was taken.

For Semivolatiles Analysis, the recovery and RPD of Benzidine for the Matrix Spike and Matrix Spike Duplicate (2408305-01 MS/MSD) were outside of the method control limits. These are flagged accordingly in the QC Summary Report. This compound was within method control limits in the associated LCS. No further corrective action was taken.

DHL Analytical, Inc.

Date: 05-Sep-24

CLIENT: Pollution Control Services

Project: PCS 772768

Lab Order: 2408322

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2408322-01	772768		08/26/24 11:22 AM	08/27/2024

DHL Analytical, Inc.

Date: 05-Sep-24

CLIENT: Pollution Control Services

Client Sample ID: 772768

Project: PCS 772768

Lab ID: 2408322-01

Project No:

Collection Date: 08/26/24 11:22 AM

Lab Order: 2408322

Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 PCB BY GC/MS							
E625.1				Analyst: JVR			
Aroclor 1016	<0.0000988	0.0000988	0.000198		mg/L	1	08/30/24 04:03 PM
Aroclor 1221	<0.0000988	0.0000988	0.000198		mg/L	1	08/30/24 04:03 PM
Aroclor 1232	<0.0000988	0.0000988	0.000198		mg/L	1	08/30/24 04:03 PM
Aroclor 1242	<0.0000988	0.0000988	0.000198		mg/L	1	08/30/24 04:03 PM
Aroclor 1248	<0.0000988	0.0000988	0.000198		mg/L	1	08/30/24 04:03 PM
Aroclor 1254	<0.0000988	0.0000988	0.000198		mg/L	1	08/30/24 04:03 PM
Aroclor 1260	<0.0000988	0.0000988	0.000198		mg/L	1	08/30/24 04:03 PM
Total PCBs	<0.0000988	0.0000988	0.000198		mg/L	1	08/30/24 04:03 PM
Surr: 2-Fluorobiphenyl	70.4	0	43-116		%REC	1	08/30/24 04:03 PM
Surr: 4-Terphenyl-d14	80.2	0	33-141		%REC	1	08/30/24 04:03 PM
625.1 SEMIVOLATILE WATER							
E625.1				Analyst: JVR			
Anthracene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Benzidine	<0.000985	0.000985	0.00394		mg/L	1	08/29/24 06:15 PM
Benzo[a]anthracene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Benzo[a]pyrene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Bis(2-chloroethyl)ether	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Bis(2-ethylhexyl)phthalate	<0.00295	0.00295	0.00591		mg/L	1	08/29/24 06:15 PM
Chrysene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
4,6-Dinitro-o-cresol	<0.00197	0.00197	0.00394		mg/L	1	08/29/24 06:15 PM
o-Cresol	<0.00197	0.00197	0.00394		mg/L	1	08/29/24 06:15 PM
p-Chloro-m-Cresol	<0.00197	0.00197	0.00394		mg/L	1	08/29/24 06:15 PM
m,p-Cresols	<0.00197	0.00197	0.00394		mg/L	1	08/29/24 06:15 PM
3,3'-Dichlorobenzidine	<0.000985	0.000985	0.00492		mg/L	1	08/29/24 06:15 PM
2,4-Dimethylphenol	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Di-n-butyl phthalate	<0.00295	0.00295	0.00591		mg/L	1	08/29/24 06:15 PM
Hexachlorobenzene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Hexachlorobutadiene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Hexachlorocyclopentadiene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Hexachloroethane	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Nitrobenzene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
N-Nitrosodiethylamine	<0.00197	0.00197	0.00394		mg/L	1	08/29/24 06:15 PM
N-Nitrosodi-n-butylamine	<0.000985	0.000985	0.00394		mg/L	1	08/29/24 06:15 PM
Pentachlorobenzene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Pentachlorophenol	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Phenanthrene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Pyridine	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
1,2,4,5-Tetrachlorobenzene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
2,4,5-Trichlorophenol	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM

Qualifiers:

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

C Sample Result or QC discussed in the Case Narrative

E TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

N Parameter not NELAP certified

DHL Analytical, Inc.

Date: 05-Sep-24

CLIENT: Pollution Control Services

Client Sample ID: 772768

Project: PCS 772768

Lab ID: 2408322-01

Project No:

Collection Date: 08/26/24 11:22 AM

Lab Order: 2408322

Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER		E625.1		Analyst: JVR			
2-Chlorophenol	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
2,4-Dichlorophenol	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
2,4-Dinitrophenol	<0.00197	0.00197	0.00394		mg/L	1	08/29/24 06:15 PM
2-Nitrophenol	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
4-Nitrophenol	<0.00197	0.00197	0.00394		mg/L	1	08/29/24 06:15 PM
Phenol	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
2,4,6-Trichlorophenol	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Acenaphthene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Acenaphthylene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Benzo[b]fluoranthene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Benzo[g,h,i]perylene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Benzo[k]fluoranthene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Bis(2-chloroethoxy)methane	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Bis(2-chloroisopropyl)ether	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
4-Bromophenyl phenyl ether	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Butyl benzyl phthalate	<0.00295	0.00295	0.00591		mg/L	1	08/29/24 06:15 PM
2-Chloronaphthalene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
4-Chlorophenyl phenyl ether	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Dibenz[a,h]anthracene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Diethyl phthalate	<0.00295	0.00295	0.00591		mg/L	1	08/29/24 06:15 PM
Dimethyl phthalate	<0.00295	0.00295	0.00591		mg/L	1	08/29/24 06:15 PM
2,4-Dinitrotoluene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
2,6-Dinitrotoluene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Di-n-octyl phthalate	<0.00295	0.00295	0.00591		mg/L	1	08/29/24 06:15 PM
1,2-Diphenylhydrazine	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Fluoranthene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Fluorene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Indeno[1,2,3-cd]pyrene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Isophorone	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Naphthalene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
N-Nitrosodimethylamine	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
N-Nitrosodi-n-propylamine	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
N-Nitrosodiphenylamine	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Pyrene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
1,2,4-Trichlorobenzene	<0.000985	0.000985	0.00197		mg/L	1	08/29/24 06:15 PM
Surr: 2,4,6-Tribromophenol	99.8	0	10-123		%REC	1	08/29/24 06:15 PM
Surr: 2-Fluorobiphenyl	87.3	0	43-116		%REC	1	08/29/24 06:15 PM
Surr: 2-Fluorophenol	40.2	0	21-100		%REC	1	08/29/24 06:15 PM

Qualifiers:

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

- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAP certified

DHL Analytical, Inc.

Date: 05-Sep-24

CLIENT: Pollution Control Services

Client Sample ID: 772768

Project: PCS 772768

Lab ID: 2408322-01

Project No:

Collection Date: 08/26/24 11:22 AM

Lab Order: 2408322

Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER		E625.1					Analyst: JVR
Surr: 4-Terphenyl-d14	92.5	0	33-141		%REC	1	08/29/24 06:15 PM
Surr: Nitrobenzene-d5	96.8	0	35-115		%REC	1	08/29/24 06:15 PM
Surr: Phenol-d5	17.5	0	10-94		%REC	1	08/29/24 06:15 PM
NONYLPHENOL IN WATER BY ASTM METHOD		D7065-17					Analyst: JVR
Nonylphenol	<0.0689	0.0689	0.0985	N	mg/L	1	08/29/24 06:15 PM
624.1 VOLATILES WATER		E624.1					Analyst: JVR
Acrylonitrile	<0.00600	0.00600	0.100		mg/L	2	08/27/24 07:08 PM
Benzene	<0.00200	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
Bromodichloromethane	0.0665	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
Bromoform	0.239	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
Carbon tetrachloride	<0.00200	0.00200	0.00400		mg/L	2	08/27/24 07:08 PM
Chlorobenzene	<0.00200	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
Chlorodibromomethane	0.199	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
Chloroform	0.0204	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
1,2-Dibromoethane	<0.00200	0.00200	0.00400		mg/L	2	08/27/24 07:08 PM
1,3-Dichlorobenzene	<0.00200	0.00200	0.0100		mg/L	2	08/27/24 07:08 PM
1,2-Dichlorobenzene	<0.00200	0.00200	0.0100		mg/L	2	08/27/24 07:08 PM
1,4-Dichlorobenzene	<0.00200	0.00200	0.0100		mg/L	2	08/27/24 07:08 PM
1,2-Dichloroethane	<0.00200	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
1,1-Dichloroethene	<0.00200	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
Methylene chloride (DCM)	<0.00500	0.00500	0.0400		mg/L	2	08/27/24 07:08 PM
1,2-Dichloropropane	<0.00200	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
1,3-Dichloropropene (cis)	<0.00200	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
1,3-Dichloropropene (trans)	<0.00200	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
Ethylbenzene	<0.00200	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
Methyl ethyl ketone	<0.0300	0.0300	0.100		mg/L	2	08/27/24 07:08 PM
1,1,2,2-Tetrachloroethane	<0.00200	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
Tetrachloroethene	<0.00400	0.00400	0.0200		mg/L	2	08/27/24 07:08 PM
Toluene	<0.00400	0.00400	0.0200		mg/L	2	08/27/24 07:08 PM
1,1,1-Trichloroethane	<0.00200	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
1,1,2-Trichloroethane	<0.00200	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
Trichloroethene	<0.00200	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
TTHM (Total Trihalomethanes)	0.525	0.0100	0.0200		mg/L	2	08/27/24 07:08 PM
Vinyl chloride	<0.00200	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
Acrolein	<0.0300	0.0300	0.100		mg/L	2	08/27/24 07:08 PM
Chloroethane	<0.00400	0.00400	0.0200		mg/L	2	08/27/24 07:08 PM
2-Chloroethylvinylether	<0.0120	0.0120	0.0200		mg/L	2	08/27/24 07:08 PM

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

DHL Analytical, Inc.

Date: 05-Sep-24

CLIENT: Pollution Control Services

Client Sample ID: 772768

Project: PCS 772768

Lab ID: 2408322-01

Project No:

Collection Date: 08/26/24 11:22 AM

Lab Order: 2408322

Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER		E624.1					Analyst: JVR
1,1-Dichloroethane	<0.00200	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
Methyl bromide	<0.0100	0.0100	0.0400		mg/L	2	08/27/24 07:08 PM
Methyl chloride	<0.00200	0.00200	0.0400		mg/L	2	08/27/24 07:08 PM
trans-1,2-Dichloroethylene	<0.00200	0.00200	0.0200		mg/L	2	08/27/24 07:08 PM
Surr: 1,2-Dichloroethane-d4	97.4	0	72-119		%REC	2	08/27/24 07:08 PM
Surr: 4-Bromofluorobenzene	105	0	76-119		%REC	2	08/27/24 07:08 PM
Surr: Dibromofluoromethane	104	0	85-115		%REC	2	08/27/24 07:08 PM
Surr: Toluene-d8	106	0	81-120		%REC	2	08/27/24 07:08 PM
CYANIDE - WATER SAMPLE		M4500-CN E					Analyst: SMA
Cyanide, Amenable to Chlorination	<0.0100	0.0100	0.0200		mg/L	1	09/04/24 03:58 PM
Cyanide, Total	<0.0100	0.0100	0.0200		mg/L	1	09/04/24 03:58 PM

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

DHL Analytical, Inc.

Date: 05-Sep-24

CLIENT: Pollution Control Services

Work Order: 2408322

Project: PCS 772768

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_240830A

The QC data in batch 117013 applies to the following samples: 2408322-01D

Sample ID: LCS-117013-PCB		Batch ID: 117013		TestNo: E625.1		Units: mg/L				
SampType: LCS		Run ID: GCMS8_240830A		Analysis Date: 8/30/2024 3:03:00 PM		Prep Date: 8/30/2024				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	0.00291	0.000200	0.00400	0	72.8	37	130			
Aroclor 1260	0.00321	0.000200	0.00400	0	80.3	19	130			
Total PCBs	0.00613	0.000200	0.00800	0	76.6	19	130			
Surr: 2-Fluorobiphenyl	3.04		4.000		76.0	43	116			
Surr: 4-Terphenyl-d14	3.44		4.000		85.9	33	141			

Sample ID: MB-117013	Batch ID: 117013	TestNo: E625.1	Units: mg/L							
SampType: MBLK	Run ID: GCMS8_240830A	Analysis Date: 8/30/2024 3:33:00 PM	Prep Date: 8/30/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	<0.000100	0.000200								
Aroclor 1221	<0.000100	0.000200								
Aroclor 1232	<0.000100	0.000200								
Aroclor 1242	<0.000100	0.000200								
Aroclor 1248	<0.000100	0.000200								
Aroclor 1254	<0.000100	0.000200								
Aroclor 1260	<0.000100	0.000200								
Total PCBs	<0.000100	0.000200								
Surr: 2-Fluorobiphenyl	2.66		4.000		66.4	43	116			
Surr: 4-Terphenyl-d14	3.03		4.000		75.7	33	141			

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

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

Page 1 of 15

CLIENT: Pollution Control Services
 Work Order: 2408322
 Project: PCS 772768

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240829B

The QC data in batch 117005 applies to the following samples: 2408322-01C

Sample ID: LCS-117005	Batch ID: 117005	TestNo: E625.1				Units: mg/L				
SampType: LCS	Run ID: GCMS9_240829B	Analysis Date: 8/29/2024 4:02:00 PM				Prep Date: 8/29/2024				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	0.0211	0.00400	0.0400	0	52.7	5	125			
Benzo[a]anthracene	0.0373	0.00200	0.0400	0	93.3	33	143			
Benzo[a]pyrene	0.0410	0.00200	0.0400	0	103	17	163			
Chrysene	0.0384	0.00200	0.0400	0	96.1	17	168			
2,4-Dimethylphenol	0.0330	0.00200	0.0400	0	82.4	32	120			
4,6-Dinitro-o-cresol	0.0425	0.00400	0.0400	0	106	10	181			
m,p-Cresols	0.0267	0.00400	0.0400	0	66.8	10	125			
o-Cresol	0.0291	0.00400	0.0400	0	72.6	25	125			
p-Chloro-m-Cresol	0.0329	0.00400	0.0400	0	82.4	22	147			
Hexachlorobenzene	0.0348	0.00200	0.0400	0	87.1	10	152			
Hexachlorobutadiene	0.0286	0.00200	0.0400	0	71.4	24	120			
Hexachloroethane	0.0309	0.00200	0.0400	0	77.3	40	120			
Nitrobenzene	0.0369	0.00200	0.0400	0	92.2	35	180			
N-Nitrosodiethylamine	0.0344	0.00400	0.0400	0	86.0	20	125			
N-Nitrosodi-n-butylamine	0.0388	0.00400	0.0400	0	97.0	20	125			
Pentachlorobenzene	0.0336	0.00200	0.0400	0	84.1	40	140			
Pentachlorophenol	0.0340	0.00200	0.0400	0	85.1	14	176			
Phenanthrene	0.0349	0.00200	0.0400	0	87.3	54	120			
Pyridine	0.0170	0.00200	0.0400	0	42.5	10	75			
1,2,4,5-Tetrachlorobenzene	0.0320	0.00200	0.0400	0	80.0	30	140			
2,4,5-Trichlorophenol	0.0389	0.00200	0.0400	0	97.3	25	125			
2-Chlorophenol	0.0316	0.00200	0.0400	0	78.9	23	134			
2,4-Dichlorophenol	0.0348	0.00200	0.0400	0	87.1	39	135			
2,4-Dinitrophenol	0.0388	0.00400	0.0400	0	97.1	10	191			
2-Nitrophenol	0.0382	0.00200	0.0400	0	95.4	29	182			
4-Nitrophenol	0.0278	0.00400	0.0400	0	69.6	10	132			
Phenol	0.0169	0.00200	0.0400	0	42.2	5	120			
2,4,6-Trichlorophenol	0.0378	0.00200	0.0400	0	94.6	37	144			
Acenaphthene	0.0356	0.00200	0.0400	0	89.0	47	145			
Acenaphthylene	0.0339	0.00200	0.0400	0	84.8	33	145			
Anthracene	0.0361	0.00200	0.0400	0	90.2	27	133			
Benzo[b]fluoranthene	0.0389	0.00200	0.0400	0	97.2	24	159			
Benzo[g,h,i]perylene	0.0420	0.00200	0.0400	0	105	10	219			
Benzo[k]fluoranthene	0.0394	0.00200	0.0400	0	98.4	11	162			
Bis(2-chloroethoxy)methane	0.0343	0.00200	0.0400	0	85.8	33	184			
Bis(2-chloroethyl)ether	0.0381	0.00200	0.0400	0	95.4	12	158			
Bis(2-chloroisopropyl)ether	0.0307	0.00200	0.0400	0	76.8	36	166			
Bis(2-ethylhexyl)phthalate	0.0468	0.00600	0.0400	0	117	10	158			
4-Bromophenyl phenyl ether	0.0364	0.00200	0.0400	0	91.1	53	127			
Butyl benzyl phthalate	0.0432	0.00600	0.0400	0	108	10	152			

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

CLIENT: Pollution Control Services
 Work Order: 2408322
 Project: PCS 772768

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240829B

Sample ID: LCS-117005	Batch ID: 117005	TestNo: E625.1	Units: mg/L							
SampType: LCS	Run ID: GCMS9_240829B	Analysis Date: 8/29/2024 4:02:00 PM	Prep Date: 8/29/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Chloronaphthalene	0.0349	0.00200	0.0400	0	87.3	60	120			
4-Chlorophenyl phenyl ether	0.0360	0.00200	0.0400	0	90.1	25	158			
Dibenz[a,h]anthracene	0.0419	0.00200	0.0400	0	105	10	125			
3,3'-Dichlorobenzidine	0.0381	0.00500	0.0400	0	95.2	10	262			
Diethyl phthalate	0.0398	0.00600	0.0400	0	99.5	10	120			
Dimethyl phthalate	0.0371	0.00600	0.0400	0	92.7	10	120			
Di-n-butyl phthalate	0.0448	0.00600	0.0400	0	112	10	120			
2,4-Dinitrotoluene	0.0378	0.00200	0.0400	0	94.6	39	139			
2,6-Dinitrotoluene	0.0371	0.00200	0.0400	0	92.8	50	158			
Di-n-octyl phthalate	0.0424	0.00600	0.0400	0	106	10	146			
1,2-Diphenylhydrazine	0.0344	0.00200	0.0400	0	86.0	40	140			
Fluoranthene	0.0422	0.00200	0.0400	0	106	26	137			
Fluorene	0.0380	0.00200	0.0400	0	95.0	59	121			
Hexachlorocyclopentadiene	0.0367	0.00200	0.0400	0	91.9	8	130			
Indeno[1,2,3-cd]pyrene	0.0404	0.00200	0.0400	0	101	10	171			
Isophorone	0.0343	0.00200	0.0400	0	85.8	21	196			
Naphthalene	0.0323	0.00200	0.0400	0	80.7	21	133			
N-Nitrosodimethylamine	0.0164	0.00200	0.0400	0	41.1	10	125			
N-Nitrosodi-n-propylamine	0.0355	0.00200	0.0400	0	88.8	10	230			
N-Nitrosodiphenylamine	0.0359	0.00200	0.0400	0	89.7	20	125			
Pyrene	0.0383	0.00200	0.0400	0	95.7	52	120			
1,2,4-Trichlorobenzene	0.0315	0.00200	0.0400	0	78.7	44	142			
Surr: 2,4,6-Tribromophenol	74.6		80.00		93.3	10	123			
Surr: 2-Fluorobiphenyl	64.8		80.00		81.0	43	116			
Surr: 2-Fluorophenol	50.6		80.00		63.3	21	100			
Surr: 4-Terphenyl-d14	69.8		80.00		87.2	33	141			
Surr: Nitrobenzene-d5	71.6		80.00		89.5	35	115			
Surr: Phenol-d5	31.6		80.00		39.5	10	94			

Sample ID: MB-117005	Batch ID: 117005	TestNo: E625.1	Units: mg/L							
SampType: MBLK	Run ID: GCMS9_240829B	Analysis Date: 8/29/2024 5:31:00 PM	Prep Date: 8/29/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	<0.00100	0.00400								
Benzo[a]anthracene	<0.00100	0.00200								
Benzo[a]pyrene	<0.00100	0.00200								
Chrysene	<0.00100	0.00200								
2,4-Dimethylphenol	<0.00100	0.00200								
4,6-Dinitro-o-cresol	<0.00200	0.00400								
m,p-Cresols	<0.00200	0.00400								
o-Cresol	<0.00200	0.00400								

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

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

CLIENT: Pollution Control Services
 Work Order: 2408322
 Project: PCS 772768

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240829B

Sample ID: MB-117005	Batch ID: 117005	TestNo: E625.1	Units: mg/L							
SampType: MBLK	Run ID: GCMS9_240829B	Analysis Date: 8/29/2024 5:31:00 PM	Prep Date: 8/29/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
p-Chloro-m-Cresol	<0.00200	0.00400								
Hexachlorobenzene	<0.00100	0.00200								
Hexachlorobutadiene	<0.00100	0.00200								
Hexachloroethane	<0.00100	0.00200								
Nitrobenzene	<0.00100	0.00200								
N-Nitrosodiethylamine	<0.00200	0.00400								
N-Nitrosodi-n-butylamine	<0.00100	0.00400								
Pentachlorobenzene	<0.00100	0.00200								
Pentachlorophenol	<0.00100	0.00200								
Phenanthrene	<0.00100	0.00200								
Pyridine	<0.00100	0.00200								
1,2,4,5-Tetrachlorobenzene	<0.00100	0.00200								
2,4,5-Trichlorophenol	<0.00100	0.00200								
2-Chlorophenol	<0.00100	0.00200								
2,4-Dichlorophenol	<0.00100	0.00200								
2,4-Dinitrophenol	<0.00200	0.00400								
2-Nitrophenol	<0.00100	0.00200								
4-Nitrophenol	<0.00200	0.00400								
Phenol	<0.00100	0.00200								
2,4,6-Trichlorophenol	<0.00100	0.00200								
Acenaphthene	<0.00100	0.00200								
Acenaphthylene	<0.00100	0.00200								
Anthracene	<0.00100	0.00200								
Benzo[b]fluoranthene	<0.00100	0.00200								
Benzo[g,h,i]perylene	<0.00100	0.00200								
Benzo[k]fluoranthene	<0.00100	0.00200								
Bis(2-chloroethoxy)methane	<0.00100	0.00200								
Bis(2-chloroethyl)ether	<0.00100	0.00200								
Bis(2-chloroisopropyl)ether	<0.00100	0.00200								
Bis(2-ethylhexyl)phthalate	<0.00300	0.00600								
4-Bromophenyl phenyl ether	<0.00100	0.00200								
Butyl benzyl phthalate	<0.00300	0.00600								
2-Chloronaphthalene	<0.00100	0.00200								
4-Chlorophenyl phenyl ether	<0.00100	0.00200								
Dibenz[a,h]anthracene	<0.00100	0.00200								
3,3'-Dichlorobenzidine	<0.00100	0.00500								
Diethyl phthalate	<0.00300	0.00600								
Dimethyl phthalate	<0.00300	0.00600								
Di-n-butyl phthalate	<0.00300	0.00600								
2,4-Dinitrotoluene	<0.00100	0.00200								
2,6-Dinitrotoluene	<0.00100	0.00200								

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

CLIENT: Pollution Control Services
 Work Order: 2408322
 Project: PCS 772768

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240829B

Sample ID: MB-117005	Batch ID: 117005	TestNo: E625.1	Units: mg/L							
SampType: MBLK	Run ID: GCMS9_240829B	Analysis Date: 8/29/2024 5:31:00 PM	Prep Date: 8/29/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Di-n-octyl phthalate	<0.00300	0.00600								
1,2-Diphenylhydrazine	<0.00100	0.00200								
Fluoranthene	<0.00100	0.00200								
Fluorene	<0.00100	0.00200								
Hexachlorocyclopentadiene	<0.00100	0.00200								
Indeno[1,2,3-cd]pyrene	<0.00100	0.00200								
Isophorone	<0.00100	0.00200								
Naphthalene	<0.00100	0.00200								
N-Nitrosodimethylamine	<0.00100	0.00200								
N-Nitrosodi-n-propylamine	<0.00100	0.00200								
N-Nitrosodiphenylamine	<0.00100	0.00200								
Pyrene	<0.00100	0.00200								
1,2,4-Trichlorobenzene	<0.00100	0.00200								
Surr: 2,4,6-Tribromophenol	84.6		80.00		106	10	123			
Surr: 2-Fluorobiphenyl	69.6		80.00		87.0	43	116			
Surr: 2-Fluorophenol	50.2		80.00		62.8	21	100			
Surr: 4-Terphenyl-d14	76.8		80.00		96.0	33	141			
Surr: Nitrobenzene-d5	79.0		80.00		98.8	35	115			
Surr: Phenol-d5	28.8		80.00		36.0	10	94			

Sample ID: 2408305-01AMS	Batch ID: 117005	TestNo: E625.1	Units: mg/L							
SampType: MS	Run ID: GCMS9_240829B	Analysis Date: 8/29/2024 7:44:00 PM	Prep Date: 8/29/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	<0.00996	0.0398	0.398	0	0	5	125			S
Benzo[a]anthracene	0.337	0.0199	0.398	0	84.5	33	143			
Benzo[a]pyrene	0.371	0.0199	0.398	0	93.2	17	163			
Chrysene	0.334	0.0199	0.398	0	83.9	17	168			
2,4-Dimethylphenol	0.274	0.0199	0.398	0	68.8	32	120			
4,6-Dinitro-o-cresol	0.371	0.0398	0.398	0	93.2	10	181			
m,p-Cresols	0.223	0.0398	0.398	0	56.0	10	125			
o-Cresol	0.235	0.0398	0.398	0	59.1	25	125			
p-Chloro-m-Cresol	0.317	0.0398	0.398	0	79.5	22	147			
Hexachlorobenzene	0.303	0.0199	0.398	0	76.2	10	152			
Hexachlorobutadiene	0.263	0.0199	0.398	0	66.0	24	120			
Hexachloroethane	0.269	0.0199	0.398	0	67.6	40	120			
Nitrobenzene	0.314	0.0199	0.398	0	78.8	35	180			
N-Nitrosodiethylamine	0.293	0.0398	0.398	0	73.6	20	125			
N-Nitrosodi-n-butylamine	0.345	0.0398	0.398	0	86.6	20	125			
Pentachlorobenzene	0.280	0.0199	0.398	0	70.4	40	140			
Pentachlorophenol	0.296	0.0199	0.398	0	74.2	14	176			

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

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

CLIENT: Pollution Control Services
 Work Order: 2408322
 Project: PCS 772768

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240829B

Sample ID: 2408305-01AMS	Batch ID: 117005	TestNo: E625.1				Units: mg/L				
SampType: MS	Run ID: GCMS9_240829B	Analysis Date: 8/29/2024 7:44:00 PM				Prep Date: 8/29/2024				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phenanthrene	0.312	0.0199	0.398	0	78.3	54	120			
Pyridine	0.0410	0.0199	0.398	0	10.3	10	75			
1,2,4,5-Tetrachlorobenzene	0.271	0.0199	0.398	0	68.1	30	140			
2,4,5-Trichlorophenol	0.370	0.0199	0.398	0	92.8	25	125			
2-Chlorophenol	0.260	0.0199	0.398	0	65.2	23	134			
2,4-Dichlorophenol	0.290	0.0199	0.398	0	72.8	39	135			
2,4-Dinitrophenol	0.323	0.0398	0.398	0	81.1	10	191			
2-Nitrophenol	0.316	0.0199	0.398	0	79.4	29	182			
4-Nitrophenol	0.216	0.0398	0.398	0	54.2	10	132			
Phenol	0.154	0.0199	0.398	0	38.7	5	120			
2,4,6-Trichlorophenol	0.330	0.0199	0.398	0	83.0	37	144			
Acenaphthene	0.312	0.0199	0.398	0	78.3	47	145			
Acenaphthylene	0.295	0.0199	0.398	0	74.1	33	145			
Anthracene	0.318	0.0199	0.398	0	79.8	27	133			
Benzo[b]fluoranthene	0.362	0.0199	0.398	0	91.0	24	159			
Benzo[g,h,i]perylene	0.374	0.0199	0.398	0	93.8	10	219			
Benzo[k]fluoranthene	0.338	0.0199	0.398	0	84.8	11	162			
Bis(2-chloroethoxy)methane	0.304	0.0199	0.398	0	76.3	33	184			
Bis(2-chloroethyl)ether	0.582	0.0199	0.398	0	146	12	158			
Bis(2-chloroisopropyl)ether	0.273	0.0199	0.398	0	68.6	36	166			
Bis(2-ethylhexyl)phthalate	0.423	0.0598	0.398	0	106	10	158			
4-Bromophenyl phenyl ether	0.318	0.0199	0.398	0	79.8	53	127			
Butyl benzyl phthalate	0.401	0.0598	0.398	0	101	10	152			
2-Chloronaphthalene	0.308	0.0199	0.398	0	77.3	60	120			
4-Chlorophenyl phenyl ether	0.331	0.0199	0.398	0	83.0	25	158			
Dibenz[a,h]anthracene	0.371	0.0199	0.398	0	93.1	10	125			
3,3'-Dichlorobenzidine	0.175	0.0498	0.398	0	44.0	10	262			
Diethyl phthalate	0.365	0.0598	0.398	0	91.6	10	120			
Dimethyl phthalate	0.338	0.0598	0.398	0	84.8	10	120			
Di-n-butyl phthalate	0.391	0.0598	0.398	0	98.0	10	120			
2,4-Dinitrotoluene	0.351	0.0199	0.398	0.0102	85.4	39	139			
2,6-Dinitrotoluene	0.347	0.0199	0.398	0	87.0	50	158			
Di-n-octyl phthalate	0.387	0.0598	0.398	0	97.2	10	146			
1,2-Diphenylhydrazine	0.299	0.0199	0.398	0	75.1	40	140			
Fluoranthene	0.365	0.0199	0.398	0	91.7	26	137			
Fluorene	0.346	0.0199	0.398	0	86.9	59	121			
Hexachlorocyclopentadiene	0.350	0.0199	0.398	0	88.0	8	130			
Indeno[1,2,3-cd]pyrene	0.361	0.0199	0.398	0	90.5	10	171			
Isophorone	0.302	0.0199	0.398	0	75.8	21	196			
Naphthalene	0.276	0.0199	0.398	0	69.2	21	133			
N-Nitrosodimethylamine	0.150	0.0199	0.398	0	37.6	10	125			

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

CLIENT: Pollution Control Services

Work Order: 2408322

Project: PCS 772768

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240829B

Sample ID: 2408305-01AMS	Batch ID: 117005	TestNo: E625.1	Units: mg/L							
SampType: MS	Run ID: GCMS9_240829B	Analysis Date: 8/29/2024 7:44:00 PM	Prep Date: 8/29/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

N-Nitrosodi-n-propylamine	0.306	0.0199	0.398	0	76.9	10	230			
N-Nitrosodiphenylamine	0.330	0.0199	0.398	0	82.8	20	125			
Pyrene	0.344	0.0199	0.398	0	86.5	52	120			
1,2,4-Trichlorobenzene	0.275	0.0199	0.398	0	69.2	44	142			
Surr: 2,4,6-Tribromophenol	645		796.8		81.0	10	123			
Surr: 2-Fluorobiphenyl	558		796.8		70.0	43	116			
Surr: 2-Fluorophenol	396		796.8		49.8	21	100			
Surr: 4-Terphenyl-d14	620		796.8		77.8	33	141			
Surr: Nitrobenzene-d5	610		796.8		76.5	35	115			
Surr: Phenol-d5	265		796.8		33.2	10	94			

Sample ID: 2408305-01AMSD	Batch ID: 117005	TestNo: E625.1	Units: mg/L							
SampType: MSD	Run ID: GCMS9_240829B	Analysis Date: 8/29/2024 8:06:00 PM	Prep Date: 8/29/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzidine	0.0148	0.0365	0.365	0	4.05	5	125	200	50	SR
Benzo[a]anthracene	0.343	0.0182	0.365	0	94.0	33	143	1.83	50	
Benzo[a]pyrene	0.365	0.0182	0.365	0	100	17	163	1.68	50	
Chrysene	0.342	0.0182	0.365	0	93.6	17	168	2.23	50	
2,4-Dimethylphenol	0.289	0.0182	0.365	0	79.3	32	120	5.37	50	
4,6-Dinitro-o-cresol	0.392	0.0365	0.365	0	107	10	181	5.32	50	
m,p-Cresols	0.232	0.0365	0.365	0	63.7	10	125	4.04	50	
o-Cresol	0.246	0.0365	0.365	0	67.3	25	125	4.22	50	
p-Chloro-m-Cresol	0.334	0.0365	0.365	0	91.5	22	147	5.29	50	
Hexachlorobenzene	0.305	0.0182	0.365	0	83.7	10	152	0.686	50	
Hexachlorobutadiene	0.255	0.0182	0.365	0	70.0	24	120	2.95	50	
Hexachloroethane	0.256	0.0182	0.365	0	70.1	40	120	5.06	50	
Nitrobenzene	0.326	0.0182	0.365	0	89.4	35	180	3.85	50	
N-Nitrosodiethylamine	0.309	0.0365	0.365	0	84.6	20	125	5.23	50	
N-Nitrosodi-n-butylamine	0.366	0.0365	0.365	0	100	20	125	5.77	50	
Pentachlorobenzene	0.295	0.0182	0.365	0	80.7	40	140	4.89	50	
Pentachlorophenol	0.320	0.0182	0.365	0	87.7	14	176	7.89	50	
Phenanthrene	0.319	0.0182	0.365	0	87.5	54	120	2.35	39	
Pyridine	0.0498	0.0182	0.365	0	13.6	10	75	19.3	50	
1,2,4,5-Tetrachlorobenzene	0.279	0.0182	0.365	0	76.4	30	140	2.81	50	
2,4,5-Trichlorophenol	0.373	0.0182	0.365	0	102	25	125	0.925	50	
2-Chlorophenol	0.271	0.0182	0.365	0	74.2	23	134	4.17	50	
2,4-Dichlorophenol	0.306	0.0182	0.365	0	84.0	39	135	5.41	50	
2,4-Dinitrophenol	0.334	0.0365	0.365	0	91.4	10	191	3.19	50	
2-Nitrophenol	0.334	0.0182	0.365	0	91.6	29	182	5.52	50	
4-Nitrophenol	0.228	0.0365	0.365	0	62.4	10	132	5.24	50	

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

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

CLIENT: Pollution Control Services

Work Order: 2408322

Project: PCS 772768

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240829B

Sample ID: 2408305-01AMSD	Batch ID: 117005	TestNo: E625.1	Units: mg/L							
SampType: MSD	Run ID: GCMS9_240829B	Analysis Date: 8/29/2024 8:06:00 PM	Prep Date: 8/29/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phenol	0.161	0.0182	0.365	0	44.0	5	120	4.18	50	
2,4,6-Trichlorophenol	0.348	0.0182	0.365	0	95.3	37	144	5.11	50	
Acenaphthene	0.317	0.0182	0.365	0	87.0	47	145	1.77	48	
Acenaphthylene	0.301	0.0182	0.365	0	82.5	33	145	1.97	50	
Anthracene	0.326	0.0182	0.365	0	89.3	27	133	2.36	50	
Benzo[b]fluoranthene	0.361	0.0182	0.365	0	99.0	24	159	0.236	50	
Benzo[g,h,i]perylene	0.368	0.0182	0.365	0	101	10	219	1.52	50	
Benzo[k]fluoranthene	0.330	0.0182	0.365	0	90.4	11	162	2.38	50	
Bis(2-chloroethoxy)methane	0.315	0.0182	0.365	0	86.2	33	184	3.49	50	
Bis(2-chloroethyl)ether	0.543	0.0182	0.365	0	149	12	158	6.90	50	
Bis(2-chloroisopropyl)ether	0.282	0.0182	0.365	0	77.3	36	166	3.18	50	
Bis(2-ethylhexyl)phthalate	0.421	0.0547	0.365	0	115	10	158	0.542	50	
4-Bromophenyl phenyl ether	0.325	0.0182	0.365	0	89.1	53	127	2.26	43	
Butyl benzyl phthalate	0.407	0.0547	0.365	0	112	10	152	1.47	50	
2-Chloronaphthalene	0.312	0.0182	0.365	0	85.5	60	120	1.31	24	
4-Chlorophenyl phenyl ether	0.334	0.0182	0.365	0	91.7	25	158	1.15	50	
Dibenz[a,h]anthracene	0.365	0.0182	0.365	0	99.9	10	125	1.72	50	
3,3'-Dichlorobenzidine	0.196	0.0456	0.365	0	53.8	10	262	11.3	50	
Diethyl phthalate	0.377	0.0547	0.365	0	103	10	120	3.40	50	
Dimethyl phthalate	0.343	0.0547	0.365	0	94.0	10	120	1.54	50	
Di-n-butyl phthalate	0.397	0.0547	0.365	0	109	10	120	1.68	47	
2,4-Dinitrotoluene	0.355	0.0182	0.365	0.0102	94.5	39	139	1.23	42	
2,6-Dinitrotoluene	0.352	0.0182	0.365	0	96.4	50	158	1.49	48	
Di-n-octyl phthalate	0.380	0.0547	0.365	0	104	10	146	1.96	50	
1,2-Diphenylhydrazine	0.310	0.0182	0.365	0	84.9	40	140	3.44	50	
Fluoranthene	0.377	0.0182	0.365	0	103	26	137	3.05	50	
Fluorene	0.350	0.0182	0.365	0	95.8	59	121	1.09	38	
Hexachlorocyclopentadiene	0.344	0.0182	0.365	0	94.2	8	130	1.90	50	
Indeno[1,2,3-cd]pyrene	0.354	0.0182	0.365	0	97.0	10	171	1.88	50	
Isophorone	0.313	0.0182	0.365	0	85.8	21	196	3.75	50	
Naphthalene	0.281	0.0182	0.365	0	77.0	21	133	1.98	50	
N-Nitrosodimethylamine	0.153	0.0182	0.365	0	42.0	10	125	2.17	50	
N-Nitrosodi-n-propylamine	0.320	0.0182	0.365	0	87.6	10	230	4.27	50	
N-Nitrosodiphenylamine	0.338	0.0182	0.365	0	92.7	20	125	2.53	50	
Pyrene	0.353	0.0182	0.365	0	96.8	52	120	2.49	49	
1,2,4-Trichlorobenzene	0.274	0.0182	0.365	0	75.2	44	142	0.380	50	
Surr: 2,4,6-Tribromophenol	682		729.9		93.5	10	123	0	0	
Surr: 2-Fluorobiphenyl	573		729.9		78.5	43	116	0	0	
Surr: 2-Fluorophenol	418		729.9		57.2	21	100	0	0	
Surr: 4-Terphenyl-d14	639		729.9		87.5	33	141	0	0	
Surr: Nitrobenzene-d5	646		729.9		88.5	35	115	0	0	

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

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

CLIENT: Pollution Control Services
Work Order: 2408322
Project: PCS 772768

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240829B

Sample ID: 2408305-01AMSD		Batch ID: 117005		TestNo: E625.1		Units: mg/L				
SampType: MSD		Run ID: GCMS9_240829B		Analysis Date: 8/29/2024 8:06:00 PM		Prep Date: 8/29/2024				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Phenol-d5	279		729.9		38.2	10	94	0	0	

Qualifiers:

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

CLIENT: Pollution Control Services
 Work Order: 2408322
 Project: PCS 772768

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240829C

The QC data in batch 117005 applies to the following samples: 2408322-01C

Sample ID: LCS-117005-NP	Batch ID: 117005	TestNo: D7065-17	Units: mg/L							
SampType: LCS	Run ID: GCMS9_240829C	Analysis Date: 8/29/2024 4:46:00 PM	Prep Date: 8/29/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Nonylphenol	0.914	0.100	1.00	0	91.4	40	140			N
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Sample ID: MB-117005	Batch ID: 117005	TestNo: D7065-17	Units: mg/L							
SampType: MBLK	Run ID: GCMS9_240829C	Analysis Date: 8/29/2024 5:31:00 PM	Prep Date: 8/29/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Nonylphenol	<0.0700	0.100								N
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Qualifiers:

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

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

CLIENT: Pollution Control Services

Work Order: 2408322

Project: PCS 772768

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240827B

The QC data in batch 116965 applies to the following samples: 2408322-01A

Sample ID: LCS-116965	Batch ID: 116965	TestNo: E624.1	Units: mg/L							
SampType: LCS	Run ID: GCMS5_240827B	Analysis Date: 8/27/2024 9:58:00 AM	Prep Date: 8/27/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0243	0.00100	0.0232	0	105	65	135			
Carbon tetrachloride	0.0231	0.00100	0.0232	0	99.6	70	130			
Chlorobenzene	0.0237	0.00100	0.0232	0	102	35	135			
Chloroform	0.0228	0.00100	0.0232	0	98.3	70	135			
Chlorodibromomethane	0.0236	0.00100	0.0232	0	102	70	135			
1,2-Dibromoethane	0.0233	0.00100	0.0232	0	101	60	140			
1,2-Dichloroethane	0.0221	0.00100	0.0232	0	95.3	70	130			
1,1-Dichloroethene	0.0234	0.00100	0.0232	0	101	50	150			
Methyl ethyl ketone	0.136	0.0150	0.116	0	117	60	140			
Tetrachloroethene	0.0243	0.00200	0.0232	0	105	70	130			
Trichloroethene	0.0238	0.00100	0.0232	0	103	65	135			
1,1,1-Trichloroethane	0.0223	0.00100	0.0232	0	96.0	70	130			
TTM (Total Trihalomethanes)	0.0936	0.00100	0.0928	0	101	60	140			
Vinyl chloride	0.0255	0.00100	0.0232	0	110	5	195			
Acrolein	0.0548	0.0150	0.0580	0	94.5	60	140			
Acrylonitrile	0.0512	0.00300	0.0464	0	110	60	140			
1,1,2,2-Tetrachloroethane	0.0231	0.00100	0.0232	0	99.6	60	140			
Bromoform	0.0241	0.00100	0.0232	0	104	65	135			
Chloroethane	0.0220	0.00500	0.0232	0	94.9	40	160			
2-Chloroethylvinylether	0.0218	0.0100	0.0232	0	93.9	5	225			
Bromodichloromethane	0.0230	0.00100	0.0232	0	99.2	65	135			
1,1-Dichloroethane	0.0252	0.00100	0.0232	0	109	70	130			
1,2-Dichloropropane	0.0263	0.00100	0.0232	0	113	35	165			
1,3-Dichloropropene (cis)	0.0237	0.00100	0.0232	0	102	25	175			
1,3-Dichloropropene (trans)	0.0233	0.00100	0.0232	0	101	50	150			
Ethylbenzene	0.0234	0.00100	0.0232	0	101	60	140			
Methyl bromide	0.0178	0.00500	0.0232	0	76.8	15	185			
Methyl chloride	0.0312	0.00500	0.0232	0	134	5	205			
Methylene chloride (DCM)	0.0234	0.00500	0.0232	0	101	60	140			
Toluene	0.0237	0.00200	0.0232	0	102	70	130			
trans-1,2-Dichloroethylene	0.0238	0.00200	0.0232	0	103	70	130			
1,1,2-Trichloroethane	0.0239	0.00100	0.0232	0	103	70	130			
1,2-Dichlorobenzene	0.0238	0.00100	0.0232	0	103	65	135			
1,3-Dichlorobenzene	0.0236	0.00100	0.0232	0	102	70	130			
1,4-Dichlorobenzene	0.0231	0.00100	0.0232	0	99.5	65	135			
Surr: 1,2-Dichloroethane-d4	187		200.0		93.6	72	119			
Surr: 4-Bromofluorobenzene	193		200.0		96.6	76	119			
Surr: Dibromofluoromethane	195		200.0		97.5	85	115			
Surr: Toluene-d8	202		200.0		101	81	120			

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

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

CLIENT: Pollution Control Services
Work Order: 2408322
Project: PCS 772768

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240827B

Sample ID: MB-116965	Batch ID: 116965	TestNo: E624.1	Units: mg/L							
SampType: MBLK	Run ID: GCMS5_240827B	Analysis Date: 8/27/2024 10:54:00 AM	Prep Date: 8/27/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	<0.000300	0.00100								
Carbon tetrachloride	<0.000300	0.00100								
Chlorobenzene	<0.000300	0.00100								
Chloroform	<0.000300	0.00100								
Chlorodibromomethane	<0.000300	0.00100								
1,2-Dibromoethane	<0.000300	0.00100								
1,2-Dichloroethane	<0.000300	0.00100								
1,1-Dichloroethene	<0.000300	0.00100								
Methyl ethyl ketone	<0.00500	0.0150								
Tetrachloroethene	<0.000600	0.00200								
Trichloroethene	<0.000600	0.00100								
1,1,1-Trichloroethane	<0.000300	0.00100								
TTHM (Total Trihalomethanes)	<0.000300	0.00100								
Vinyl chloride	<0.000300	0.00100								
Acrolein	<0.00500	0.0150								
Acrylonitrile	<0.00100	0.00300								
1,1,2,2-Tetrachloroethane	<0.000300	0.00100								
Bromoform	<0.000300	0.00100								
Chloroethane	<0.00100	0.00500								
2-Chloroethylvinylether	<0.00600	0.0100								
Bromodichloromethane	<0.000300	0.00100								
1,1-Dichloroethane	<0.000300	0.00100								
1,2-Dichloropropane	<0.000300	0.00100								
1,3-Dichloropropene (cis)	<0.000300	0.00100								
1,3-Dichloropropene (trans)	<0.000300	0.00100								
Ethylbenzene	<0.000300	0.00100								
Methyl bromide	<0.00100	0.00500								
Methyl chloride	<0.00100	0.00500								
Methylene chloride (DCM)	<0.00250	0.00500								
Toluene	<0.000600	0.00200								
trans-1,2-Dichloroethylene	<0.000300	0.00200								
1,1,2-Trichloroethane	<0.000300	0.00100								
1,2-Dichlorobenzene	<0.000300	0.00100								
1,3-Dichlorobenzene	<0.000300	0.00100								
1,4-Dichlorobenzene	<0.000300	0.00100								
Surr: 1,2-Dichloroethane-d4	184		200.0		92.2	72	119			
Surr: 4-Bromofluorobenzene	205		200.0		102	76	119			
Surr: Dibromofluoromethane	205		200.0		102	85	115			
Surr: Toluene-d8	213		200.0		106	81	120			

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

CLIENT: Pollution Control Services

Work Order: 2408322

Project: PCS 772768

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240827B

Sample ID: 2408315-07AMS	Batch ID: 116965	TestNo: E624.1	Units: mg/L							
SampType: MS	Run ID: GCMS5_240827B	Analysis Date: 8/27/2024 7:34:00 PM	Prep Date: 8/27/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0268	0.00100	0.0232	0	115	37	151			
Carbon tetrachloride	0.0249	0.00100	0.0232	0	107	70	140			
Chlorobenzene	0.0251	0.00100	0.0232	0	108	37	160			
Chloroform	0.0255	0.00100	0.0232	0	110	51	138			
Chlorodibromomethane	0.0248	0.00100	0.0232	0	107	53	149			
1,2-Dibromoethane	0.0234	0.00100	0.0232	0	101	40	160			
1,2-Dichloroethane	0.0247	0.00100	0.0232	0	106	49	155			
1,1-Dichloroethene	0.0248	0.00100	0.0232	0	107	10	234			
Methyl ethyl ketone	0.122	0.0150	0.116	0	106	40	160			
Tetrachloroethene	0.0259	0.00200	0.0232	0	111	64	148			
Trichloroethene	0.0258	0.00100	0.0232	0	111	70	157			
1,1,1-Trichloroethane	0.0245	0.00100	0.0232	0	106	52	162			
TTHM (Total Trihalomethanes)	0.101	0.00100	0.0928	0	108	40	160			
Vinyl chloride	0.0261	0.00100	0.0232	0	112	10	251			
Acrolein	0.0519	0.0150	0.0580	0	89.5	40	160			
Acrylonitrile	0.0524	0.00300	0.0464	0	113	40	160			
1,1,2,2-Tetrachloroethane	0.0243	0.00100	0.0232	0	105	46	157			
Bromoform	0.0246	0.00100	0.0232	0	106	45	169			
Chloroethane	0.0236	0.00500	0.0232	0	102	14	230			
2-Chloroethylvinylether	<0.00600	0.0100	0.0232	0	0	5	273			S
Bromodichloromethane	0.0257	0.00100	0.0232	0	111	35	155			
1,1-Dichloroethane	0.0276	0.00100	0.0232	0	119	59	155			
1,2-Dichloropropane	0.0283	0.00100	0.0232	0	122	10	210			
1,3-Dichloropropene (cis)	0.0230	0.00100	0.0232	0	99.3	10	227			
1,3-Dichloropropene (trans)	0.0240	0.00100	0.0232	0	103	17	183			
Ethylbenzene	0.0246	0.00100	0.0232	0	106	37	162			
Methyl bromide	0.0169	0.00500	0.0232	0	72.9	10	242			
Methyl chloride	0.0331	0.00500	0.0232	0	143	5	273			
Methylene chloride (DCM)	0.0262	0.00500	0.0232	0	113	10	221			
Toluene	0.0262	0.00200	0.0232	0	113	47	150			
trans-1,2-Dichloroethylene	0.0254	0.00200	0.0232	0	109	54	156			
1,1,2-Trichloroethane	0.0254	0.00100	0.0232	0	110	52	150			
1,2-Dichlorobenzene	0.0244	0.00100	0.0232	0	105	18	190			
1,3-Dichlorobenzene	0.0247	0.00100	0.0232	0	107	59	156			
1,4-Dichlorobenzene	0.0241	0.00100	0.0232	0	104	18	190			
Surr: 1,2-Dichloroethane-d4	195		200.0		97.3	72	119			
Surr: 4-Bromofluorobenzene	187		200.0		93.4	76	119			
Surr: Dibromofluoromethane	201		200.0		101	85	115			
Surr: Toluene-d8	196		200.0		97.8	81	120			

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

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

CLIENT: Pollution Control Services
 Work Order: 2408322
 Project: PCS 772768

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240827B

Sample ID: 2408315-07AMSD	Batch ID: 116965	TestNo: E624.1	Units: mg/L							
SampType: MSD	Run ID: GCMS5_240827B	Analysis Date: 8/27/2024 8:00:00 PM	Prep Date: 8/27/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0262	0.00100	0.0232	0	113	37	151	2.18	40	
Carbon tetrachloride	0.0249	0.00100	0.0232	0	107	70	140	0.141	40	
Chlorobenzene	0.0251	0.00100	0.0232	0	108	37	160	0.059	40	
Chloroform	0.0251	0.00100	0.0232	0	108	51	138	1.71	40	
Chlorodibromomethane	0.0251	0.00100	0.0232	0	108	53	149	1.06	40	
1,2-Dibromoethane	0.0238	0.00100	0.0232	0	103	40	160	1.73	40	
1,2-Dichloroethane	0.0241	0.00100	0.0232	0	104	49	155	2.51	40	
1,1-Dichloroethene	0.0249	0.00100	0.0232	0	107	10	234	0.117	32	
Methyl ethyl ketone	0.125	0.0150	0.116	0	108	40	160	2.35	40	
Tetrachloroethene	0.0253	0.00200	0.0232	0	109	64	148	2.15	39	
Trichloroethene	0.0252	0.00100	0.0232	0	109	70	157	2.56	40	
1,1,1-Trichloroethane	0.0240	0.00100	0.0232	0	103	52	162	2.08	36	
TTHM (Total Trihalomethanes)	0.0995	0.00100	0.0928	0	107	40	160	1.11	40	
Vinyl chloride	0.0264	0.00100	0.0232	0	114	10	251	1.01	40	
Acrolein	0.0502	0.0150	0.0580	0	86.5	40	160	3.42	40	
Acrylonitrile	0.0516	0.00300	0.0464	0	111	40	160	1.48	40	
1,1,2,2-Tetrachloroethane	0.0248	0.00100	0.0232	0	107	46	157	2.04	40	
Bromoform	0.0244	0.00100	0.0232	0	105	45	169	0.661	40	
Chloroethane	0.0233	0.00500	0.0232	0	100	14	230	1.15	40	
2-Chloroethylvinylether	<0.00600	0.0100	0.0232	0	0	5	273	0	40	S
Bromodichloromethane	0.0250	0.00100	0.0232	0	108	35	155	3.10	40	
1,1-Dichloroethane	0.0270	0.00100	0.0232	0	117	59	155	2.07	40	
1,2-Dichloropropane	0.0281	0.00100	0.0232	0	121	10	210	0.826	40	
1,3-Dichloropropene (cis)	0.0230	0.00100	0.0232	0	99.3	10	227	0.017	40	
1,3-Dichloropropene (trans)	0.0238	0.00100	0.0232	0	103	17	183	0.649	40	
Ethylbenzene	0.0243	0.00100	0.0232	0	105	37	162	1.28	40	
Methyl bromide	0.0183	0.00500	0.0232	0	79.1	10	242	8.15	40	
Methyl chloride	0.0332	0.00500	0.0232	0	143	5	273	0.184	40	
Methylene chloride (DCM)	0.0254	0.00500	0.0232	0	109	10	221	3.25	28	
Toluene	0.0255	0.00200	0.0232	0	110	47	150	2.60	40	
trans-1,2-Dichloroethylene	0.0253	0.00200	0.0232	0	109	54	156	0.427	40	
1,1,2-Trichloroethane	0.0256	0.00100	0.0232	0	110	52	150	0.525	40	
1,2-Dichlorobenzene	0.0249	0.00100	0.0232	0	107	18	190	1.84	40	
1,3-Dichlorobenzene	0.0248	0.00100	0.0232	0	107	59	156	0.263	40	
1,4-Dichlorobenzene	0.0245	0.00100	0.0232	0	106	18	190	1.50	40	
Surr: 1,2-Dichloroethane-d4	185		200.0		92.4	72	119	0	0	
Surr: 4-Bromofluorobenzene	191		200.0		95.3	76	119	0	0	
Surr: Dibromofluoromethane	199		200.0		99.3	85	115	0	0	
Surr: Toluene-d8	198		200.0		99.1	81	120	0	0	

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

CLIENT: Pollution Control Services

Work Order: 2408322

Project: PCS 772768

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_240904A

The QC data in batch 117046 applies to the following samples: 2408322-01B

Sample ID: MB-117046	Batch ID: 117046	TestNo: M4500-CN E	Units: mg/L
SampType: MBLK	Run ID: UV/VIS_2_240904A	Analysis Date: 9/4/2024 3:54:00 PM	Prep Date: 9/4/2024

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination	<0.0100	0.0200								
Cyanide, Total	<0.0100	0.0200								

Sample ID: LCS-117046	Batch ID: 117046	TestNo: M4500-CN E	Units: mg/L							
SampType: LCS	Run ID: UV/VIS_2_240904A	Analysis Date: 9/4/2024 3:55:00 PM	Prep Date: 9/4/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.175	0.0200	0.2000	0	87.7	85	115			

Sample ID: 2408368-01AMS	Batch ID: 117046	TestNo: M4500-CN E	Units: mg/L							
SampType: MS	Run ID: UV/VIS_2_240904A	Analysis Date: 9/4/2024 3:56:00 PM	Prep Date: 9/4/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.194	0.0200	0.2000	0	97.2	79	114			

Sample ID: 2408368-01AMSD	Batch ID: 117046	TestNo: M4500-CN E	Units: mg/L							
SampType: MSD	Run ID: UV/VIS_2_240904A	Analysis Date: 9/4/2024 3:57:00 PM	Prep Date: 9/4/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.192	0.0200	0.2000	0	96.1	79	114	1.13	20	

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

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

Page 15 of 15

Pollution Control Services
Sample Log-In Checklist
772768

772768

PCS Sample No(s) _____ COC No. _____

Client/Company Name: CMC steel Tx Checklist Completed by: JAA

Sample Delivery to Lab Via:

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

Sample Kit/Coolers

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

Sample Preservation:

* Cooling: Not Required _____ or Required ☒ _____
If cooling required, record temperature of submitted samples Observed/Corrected 22, 19 °C
Is Ice Present in Sample Kit/Cooler? ☒ Yes _____ No _____ Samples received same day as collected? ☒ Yes _____ No _____
Lab Thermometer Make and Serial Number: Vaughan 1807009583 Other: _____

Acid Preserved Sample - If present, is pH <2? Yes _____ No _____ ** _____ H₂SO₄ _____ HNO₃ _____ H₃PO₄
Base Preserved Sample - If present, is pH >12? Yes _____ No _____ NaOH _____
Other Preservation: _____ If Present, Meets Requirements? Yes _____ No _____
Sample Preservations Checked by: _____ Date _____ Time _____
pH paper used to check sample preservation (PCS log #): _____ (HEM pH checked at analysis).
Samples Preserved/Adjusted by Lab: Lab # _____ Parameters Preserved _____ Preservative Used _____ Log # _____

Adjusted by Tech/Analyst: _____ Date: _____ Time: _____

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

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

Actions taken to correct problems/discrepancies: _____

Receiving qualifier needed (requires client notification above) Temp. _____ Holding Time _____ Initials: _____
Receiving qualifier entered into LIMS at login Initial/Date: _____
Revision Comments: _____

Attachment 10(d)
Week 4 Analyticals

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Penshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 9/3/2024 0931	PCS Sample #: 773404 Page 1 of 5 Date/Time Received: 9/3/2024 12:35 Report Date: 9/13/2024 Approved by: <i>Chuck Wallgren</i> Chuck Wallgren, President

Test Description	Flag	Result	Units	RL	Analysis Date/Time	Method	Analyst
pH	I	7.2	S.U.	N/A	09/03/2024 15:58	SM 4500-H+ B	GQM
BOD5		4	mg/L	3	09/03/2024 15:58	SM 5210 B	GQM
CBOD5		<4	mg/L	3	09/03/2024 15:58	SM 5210 B	GQM
Chemical Oxygen Demand		35	mg/L	20	09/06/2024 06:00	HACH 8000	JAS
Chloride_IC		216	mg/L	5	09/03/2024 16:31	EPA 300.0	JAS
Coliform_Fecal	E	0	CFU/100 ml	N/A	09/03/2024 14:10	SM 9223 B	CLH
Conductivity, Specific		2,058	µmhos/cm at 25° C	1	09/03/2024 15:55	SM 2510B	LCC
Nitrate-N_IC		5.0	mg/L	0.5	09/03/2024 16:31	EPA 300.0	JAS

Test Description	Quality Assurance Summary					
	Precision	Limit	LCL	MS	MSD	UCL
pH	N/A	N/A	N/A	N/A	N/A	N/A
BOD5	<1	23	N/A	N/A	N/A	191 167 - 228
CBOD5	<1	23	N/A	N/A	N/A	191 167 - 228
Chemical Oxygen Demand	1	10	87	107	105	114 97 85 - 115
Chloride_IC	3	10	95	96	99	102 93 85 - 115
Coliform_Fecal	N/A	N/A	N/A	N/A	N/A	N/A
Conductivity, Specific	N/A	N/A	N/A	N/A	N/A	N/A
Nitrate-N_IC	1	20	70	102	101	130 102 85 - 115

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

E Not covered under NELAP Scope of Accreditation
I Informational purposes only - pH outside hold time - pH Temperature: 29°C

These analytical results relate only to the sample tested.
 All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.
 RL = Reporting Limits
 QC Data Reported in %, Except BOD in mg/L

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Penshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 9/3/2024 0931	PCS Sample #: 773404 Page 2 of 5 Date/Time Received: 9/3/2024 12:35 Report Date: 9/13/2024

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Phosphorus, Total	0.13	mg/L	0.10	09/05/2024 04:40	SM 4500-P/B/E	IAS
Sulfate IC	594	mg/L	5	09/03/2024 16:31	EPA 300.0	IAS
Total Dissolved Solids	1,522	mg/L	10	09/05/2024 14:30	SM 2540C	PML
Total Suspended Solids	22	mg/L	1	09/03/2024 16:20	SM 2540 D	PML
Ammonia-N (ISE)	<0.1	mg/L	0.1	09/05/2024 15:50	SM 4500-NH3 D	BM/R
Fluoride IC	0.97	mg/L	0.50	09/03/2024 16:31	EPA 300.0	IAS
Kjeldahl-N, Total	3	mg/L	1	09/05/2024 11:50	SM 4500-N B/C	BM/R
Nitrogen, Total	8	mg/L	1	09/05/2024 11:50	Calculation	CFW

Test Description	Precision	Limit	Quality Assurance Summary	MS	MSD	UCL	LCS	LCS Limit	Blank
Phosphorus, Total	1	10	91	101	100	103	102	85 - 115	
Sulfate IC	<1	10	94	97	96	101	99	85 - 115	
Total Dissolved Solids	<1	10	N/A	N/A	N/A	N/A			
Total Suspended Solids	1	10	N/A						
Ammonia-N (ISE)	2	10	80	93	91	120	88	85 - 115	
Fluoride IC	2	10	87	95	97	105	98	85 - 115	
Kjeldahl-N, Total	2	10	90	99	97	109	106	85 - 115	<1
Nitrogen, Total	N/A	N/A	N/A			N/A			

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

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

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Peshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 9/3/2024 0931	PCS Sample #: 773404 Page 3 of 5 Date/Time Received: 9/3/2024 12:35 Report Date: 9/13/2024

Test/Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Oil and Grease (H.E.M.)	5.4	mg/L	5	09/09/2024 11:30	EPA 1664 Rev	EMV
Arsenic/ICP MS	0.0040	mg/L	0.0005	09/10/2024 12:05	EPA 200.8	DIL
Barium/ICP (Total)	0.090	mg/L	0.003	09/05/2024 11:20	EPA 200.7 / 6010 B	DIL
Cadmium/ICP (Total)	<0.001	mg/L	0.001	09/05/2024 11:20	EPA 200.7 / 6010 B	DIL
Chromium/ICP (Total)	0.006	mg/L	0.003	09/05/2024 11:20	EPA 200.7 / 6010 B	DIL
Copper/ICP (Total)	0.062	mg/L	0.002	09/05/2024 11:20	EPA 200.7 / 6010 B	DIL
Lead/ICP MS	0.0043	mg/L	0.0005	09/10/2024 12:05	EPA 200.8	DIL
Aluminum/ICP (Total)	0.530	mg/L	0.0025	09/05/2024 11:20	EPA 200.7 / 6010 B	DIL

Test/Description	Precision	Limit	Quality Assurance Summary	MS	MSD	UCL	LCS	ECS Limit	Blank
Oil and Grease (H.E.M.)	1	18	N/A	N/A	N/A	N/A	94	78 - 114	
Arsenic/ICP MS	<1	20	70	109	110	130	97	85 - 115	
Barium/ICP (Total)	<1	20	75	90	90	125	100	85 - 115	
Cadmium/ICP (Total)	1	20	75	96	95	125	100	85 - 115	
Chromium/ICP (Total)	1	20	75	90	89	125	100	85 - 115	
Copper/ICP (Total)	<1	20	75	103	103	125	100	85 - 115	
Lead/ICP MS	<1	20	70	114	115	130	104	85 - 115	
Aluminum/ICP (Total)	7	20	75	95	88	125	100	85 - 115	

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

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

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Penshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 9/3/2024 0931	PCS Sample #: 773404 Date/Time Received: 9/3/2024 12:35 Report Date: 9/13/2024

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst			
Antimony/ICP (Total)	<0.010	mg/L	0.010	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL			
Iron/ICP (Total)	4.30	mg/L	0.010	09/06/2024 08:50	EPA 200.7 / 6010 B	DJL			
Manganese/ICP (Total)	0.075	mg/L	0.002	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL			
Nickel/ICP (Total)	0.022	mg/L	0.002	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL			
Silver/ICP (Total)	<0.0005	mg/L	0.0005	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL			
Zinc/ICP (Total)	0.041	mg/L	0.005	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL			
Selenium/ICP (Total)	<0.005	mg/L	0.005	09/05/2024 11:20	EPA 200.7 / 6010 B	DJL			
Mercury/CVAFS	0.000014	mg/L	0.000005	09/12/2024 09:29	EPA 245.7	DJL			
Test Description	Precision	Quality Assurance Summary Limit	TECL	MS	MSD	UCL	LC5	LC5 Limit	Blank
Antimony/ICP (Total)	1	20	75	95	94	125	100	85 - 115	
Iron/ICP (Total)	<1	20	75	*N/C	*N/C	125	100	85 - 115	
Manganese/ICP (Total)	1	20	75	91	90	125	100	85 - 115	
Nickel/ICP (Total)	1	20	75	88	87	125	100	85 - 115	
Silver/ICP (Total)	3	20	75	94	91	125	100	85 - 115	
Zinc/ICP (Total)	1	20	75	87	86	125	100	85 - 115	
Selenium/ICP (Total)	1	20	75	99	98	125	100	85 - 115	
Mercury/CVAFS	1	20	70	104	101	130	110	70 - 130	<1.8ng/L
Quality Statement: All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAP unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.									
*Approved for release per QA Plan, Exception to Limits - QAM Section 13-4									
				These analytical results relate only to the sample tested. All data is reported on an 'As Is' basis unless designated as 'Dry Wt'. RL = Reporting Limits *N/C = Not Calculated, Sample Concentration Greater than 5 times the Spike Level					

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

* Approved for release per QA Plan, Exception to Limits - QAM Section 13-4

These analytical results relate only to the sample tested.
 All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.
 RL = Reporting Limits
 *N/C = Not Calculated, Sample Concentration Greater than 5 times the Spike Level

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information		Sample Information		Laboratory Information	
Troy Penshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156		Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 9/3/2024 0931		PCS Sample #: 773404 Page 5 of 5 Date/Time Received: 9/3/2024 12:35 Report Date: 9/13/2024	

Test Description	Flag	Result	Units	RL	Analysis Date/Time	Method	Analyst
Total Organic Carbon	N	9.61	mg/L	0.50	09/04/2024 18:00	SM 5310 C	DIL
Cyanide, Total	+		See Attached			DHL	
Beryllium/ICP MS		<0.0005	mg/L	0.0005	09/10/2024 12:05	EPA 200.8	DIL
Thallium/ICP MS		<0.0005	mg/L	0.0005	09/10/2024 12:05	EPA 200.8	DIL
PCB, Total			See Attached			DHL	
Volatiles 624			See Attached			DHL	
Semi Volatiles 625			See Attached			DHL	

Test Description	Precision	Limit	Quality Assurance Summary	MS	MSD	UCL	LCS	LCS Limit	Blank
Total Organic Carbon	<1	10	80	105	104	120	97	85 - 115	
Cyanide, Total	See Attached Report for Quality Assurance Information								
Beryllium/ICP MS	2	20	70	99	101	130	97	85 - 115	
Thallium/ICP MS	<1	20	70	109	109	130	98	85 - 115	
PCB, Total	See Attached Report for Quality Assurance Information								
Volatiles 624	See Attached Report for Quality Assurance Information								
Semi Volatiles 625	See Attached Report for Quality Assurance Information								

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

+ Subcontract Work - NELAP Certified Lab N TOC is Non-Purgeable Organic Carbon	These analytical results relate only to the sample tested. All data is reported on an 'As Is' basis unless designated as 'Dry Wt'. RL = Reporting Limits
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POLLUTION CONTROL SERVICES

Chain of Custody Number
773404

773404

MULTIPLE SAMPLE ANALYSIS REQUEST AND CHAIN OF CUSTODY FORM

Stamp 1st sample and COC as same number

CUSTOMER INFORMATION

Name: CMC Steel Texas

REPORT INFORMATION

Attention: Randy Walker

Phone: (830) 372-8507

Fax: (830) 372-8507

SAMPLE INFORMATION

Project Information:

TCEQ Ind. Permit Renewal

Report "Soils" ☐ As Is ☐ Dry Wt.

Collected By: TROY PENSNORE

Requested Analysis

Instructions/Comments:

*Al_low, Sb, AsMS, Ba_low, BeMS, Cd_low, Cr_low, Cu_low, Fe, PbMS, Mn_low, Ni_low, Se_low, Ag_low, TlMS, Zn_low

Client / Field Sample ID	Collected		Field Chlorine Residual mg/L	Composite or Grab	Matrix	Type	Number	Preservative	BOD, CBOD, TSS, NO3N, pH	TDS, SO4, Cl, F, SPCOND, N (calc)	NH3N, TPO4P, COD, TKN	FOG (HEM)	TCN, Fecal, TOC	METALS*, Low Level Hg	VOC (24), SVOC (25), 608 PCBs	PCS Sample Number	Instructions/Comments:
	Date	Time															

OTFL-001	Start: 9/3/24	End: 9/3/24					17	<input type="checkbox"/> H2SO4, <input type="checkbox"/> HNO3, <input type="checkbox"/> H3PO4, <input type="checkbox"/> NaOH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	773404	*AsMS, Ba_low, BeMS, Cd_low, Cr_low, Cu_low, Fe, PbMS, Mn_low, Ni_low, Se_low, Ag_low, TlMS, Zn_low
	Start: 9/3/24	End: 9/3/24															

	Start:	End:															
	Start:	End:															

	Start:	End:															
	Start:	End:															

	Start:	End:															
	Start:	End:															

	Start:	End:															
	Start:	End:															

	Start:	End:															
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	Start:	End:															
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	Start:	End:															
	Start:	End:															

Required Turnaround: ☐ Routine (6-10 days) ☐ EXPEDITE: (See Surcharge Schedule) ☐ < 8 Hrs. ☐ < 16 Hrs. ☐ < 24 Hrs ☐ 5 days ☐ Other: Rush Charges Authorized by:

Sample Archive/Disposal: ☐ Laboratory Standard ☐ Hold for client pick up

Relinquished By: TROY PENSNORE Date: 9/3/24 Time: 12:35 PM Received By: [Signature] Date: 9/3/24 Time: 12:35

Relinquished By: [Signature] Date: [Signature] Time: [Signature] Received By: [Signature] Date: [Signature] Time: [Signature]

Rev Multiple Sample COC 20180623 1532 Universal City Blvd., Ste. 100, Universal City, Texas 78148 P (210) 340-0343 or (800) 880-4616 - F (210) 658-7903 Login at www.pcslab.net

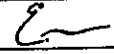
POLLUTION CONTROL SERVICES

1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318
Facsimile 210.658.7903
210.340.0343

2409010

CHAIN OF CUSTODY & SUBCONTRACT TRACKING SHEET

TO: DHL Analytical
2300 Double Creek Dr
Round Rock, TX 78664

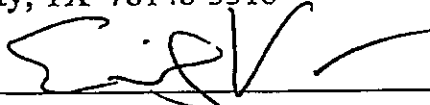
Relinquished by: Emily Voges
Date/Time: 09/03/2024 @ 1500
Received by: 
Date/Time: 9/4/24 1105

PCS#	Date	Time	Analysis Requested	Pres	T. A. T.
01 773404	09/03/2024	0931	Semi Volatiles 625	Ice	Std
773404	-----	---	Cyanide, Total	NaOH, Ice	----
773404	-----	---	Pesticides 608 PCB @ 9/4/24 per JD/chuck W.	Ice	----
773404	-----	---	Volatiles 624	Ice	----

Comments/Special Instructions: 2.1°C, Therm #78, no cust. seal, via Fed Ex Ground

Unless otherwise requested, send results and invoice to:

Chuck Wallgren
Pollution Control Services
1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318

Authorized by:  Date: 9/3/2024



September 11, 2024

Chuck Wallgren
Pollution Control Services
1532 Universal City Blvd. #100
Universal City, TX 78148

TEL: (210) 394-4570

FAX:

Order No.: 2409010

RE: PCS 773404

Dear Chuck Wallgren:

DHL Analytical, Inc. received 1 sample(s) on 9/4/2024 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative and all estimated uncertainties of results are within method specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

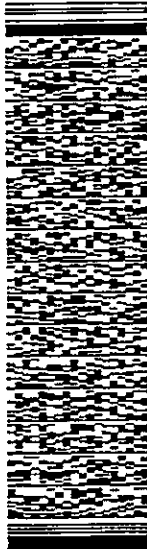

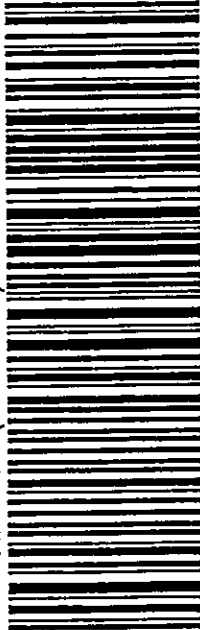
John DuPont
General Manager

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



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AnalyticalQCSummaryReport 2409010	12

FROM: Chuck Wallgren 1532 Universal City Blvd. #100 Universal City TX 78148 US		SHIP DATE: 03SEP24 ACTWGT: 30.00 LB CAC: 11244/358INET4760 DIMMED: 18 X 10 X 16 IN	
TO: John dupont DHL Analytical 2300 Double Creek		BILL SENDER	
ROUND ROCK TX 78664		(US)	
(512) 388-8222		REF:	
INV:	PC:	DEPT:	583J24EF9/AE3
			
TRK# 7783 5053 9551		78664	
		9622 0019 0 (000 000 0000) 0 00 7783 5053 9551	

After printing this label:

1. Use the "Print" button on this page to print your label to your laser or inkjet printer.
 2. Fold the printed page along the horizontal line.
 3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.
- Warning: IMPORTANT: TRANSMIT YOUR SHIPPING DATA AND PRINT A MANIFEST:** At the end of each shipping day, you should perform the FedEx Ground End of Day Close procedure to transmit your shipping data to FedEx. To do so, click on the Ground End of Day Close Button. If required, print the pickup manifest that appears. A printed manifest is required to be tendered along with your packages if they are being picked up by FedEx Ground. If you are dropping your packages off at a FedEx drop off location, the manifest is not required.
- Use of this system constitutes your agreement to the current FedEx Service Guide and applicable tariff, available upon request. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations, including limitations on our liability, can be found in the current FedEx Service Guide and applicable tariff apply. In no event shall FedEx Ground be liable for any special, incidental, or consequential damages, including, without limitation, loss of profit, loss of the package, loss of sale, interest income or attorney's fees. Recovery cannot exceed actual documented loss. Items of extraordinary value are subject to separate limitations of liability set forth in the Service Guide and tariff. Written claims must be filed within strict time limits, see current FedEx Service Guide.

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name: Pollution Control Services

Date Received: 9/4/2024

Work Order Number: 2409010

Received by: EL

Checklist completed by: [Signature] 9/4/2024 Reviewed by: SH 9/4/2024
Signature Date Initials Date

Carrier name: FedEx Ground

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

Cooler # 1
Temp °C 2.1
Seal Intact NP

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

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action: _____

DHL Analytical, Inc.

Date: 11-Sep-24

CLIENT: Pollution Control Services
Project: PCS 773404
Lab Order: 2409010

CASE NARRATIVE

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

EPA, ASTM and Standard Methods.

The parameter Nonylphenol is not NELAP Certified.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives except where noted in the following. For Semivolatiles Analysis, the recovery of surrogate 2-Fluorophenol for Sample 773404 below the method control limits. This is flagged accordingly in the Analytical Data Report. The remaining surrogates for this sample were within method control limits. No further corrective action was taken.

For Volatiles Analysis, there was no recovery of 2-Chloroethylvinylether for the Matrix Spike and Matrix Spike Duplicate (2409010-01 MS/MSD). This is flagged accordingly in the QC Summary Report. This compound was within method control limits in the associated LCS. No further corrective action was taken.

DHL Analytical, Inc.

Date: 11-Sep-24

CLIENT: Pollution Control Services

Project: PCS 773404

Lab Order: 2409010

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2409010-01	773404		09/03/24 09:31 AM	09/04/2024

DHL Analytical, Inc.

Date: 11-Sep-24

CLIENT: Pollution Control Services
Project: PCS 773404
Project No:
Lab Order: 2409010

Client Sample ID: 773404
Lab ID: 2409010-01
Collection Date: 09/03/24 09:31 AM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 PCB BY GC/MS							Analyst: DEW
E625.1							
Aroclor 1016	<0.0000997	0.0000997	0.000199		mg/L	1	09/10/24 06:57 PM
Aroclor 1221	<0.0000997	0.0000997	0.000199		mg/L	1	09/10/24 06:57 PM
Aroclor 1232	<0.0000997	0.0000997	0.000199		mg/L	1	09/10/24 06:57 PM
Aroclor 1242	<0.0000997	0.0000997	0.000199		mg/L	1	09/10/24 06:57 PM
Aroclor 1248	<0.0000997	0.0000997	0.000199		mg/L	1	09/10/24 06:57 PM
Aroclor 1254	<0.0000997	0.0000997	0.000199		mg/L	1	09/10/24 06:57 PM
Aroclor 1260	<0.0000997	0.0000997	0.000199		mg/L	1	09/10/24 06:57 PM
Total PCBs	<0.0000997	0.0000997	0.000199		mg/L	1	09/10/24 06:57 PM
Surr: 2-Fluorobiphenyl	88.2	0	43-116		%REC	1	09/10/24 06:57 PM
Surr: 4-Terphenyl-d14	99.3	0	33-141		%REC	1	09/10/24 06:57 PM
625.1 SEMIVOLATILE WATER							Analyst: DEW
E625.1							
Anthracene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Benzidine	<0.000998	0.000998	0.00399		mg/L	1	09/10/24 06:11 PM
Benzo[a]anthracene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Benzo[a]pyrene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Bis(2-chloroethyl)ether	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Bis(2-ethylhexyl)phthalate	<0.00300	0.00300	0.00599		mg/L	1	09/10/24 06:11 PM
Chrysene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
4,6-Dinitro-o-cresol	<0.00200	0.00200	0.00399		mg/L	1	09/10/24 06:11 PM
o-Cresol	<0.00200	0.00200	0.00399		mg/L	1	09/10/24 06:11 PM
p-Chloro-m-Cresol	<0.00200	0.00200	0.00399		mg/L	1	09/10/24 06:11 PM
m,p-Cresols	<0.00200	0.00200	0.00399		mg/L	1	09/10/24 06:11 PM
3,3'-Dichlorobenzidine	<0.000998	0.000998	0.00499		mg/L	1	09/10/24 06:11 PM
2,4-Dimethylphenol	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Di-n-butyl phthalate	<0.00300	0.00300	0.00599		mg/L	1	09/10/24 06:11 PM
Hexachlorobenzene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Hexachlorobutadiene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Hexachlorocyclopentadiene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Hexachloroethane	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Nitrobenzene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
N-Nitrosodiethylamine	<0.00200	0.00200	0.00399		mg/L	1	09/10/24 06:11 PM
N-Nitrosodi-n-butylamine	<0.000998	0.000998	0.00399		mg/L	1	09/10/24 06:11 PM
Pentachlorobenzene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Pentachlorophenol	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Phenanthrene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Pyridine	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
1,2,4,5-Tetrachlorobenzene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
2,4,5-Trichlorophenol	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM

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

DHL Analytical, Inc.

Date: 11-Sep-24

CLIENT: Pollution Control Services
Project: PCS 773404
Project No:
Lab Order: 2409010

Client Sample ID: 773404
Lab ID: 2409010-01
Collection Date: 09/03/24 09:31 AM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER							Analyst: DEW
		E625.1					
2-Chlorophenol	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
2,4-Dichlorophenol	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
2,4-Dinitrophenol	<0.00200	0.00200	0.00399		mg/L	1	09/10/24 06:11 PM
2-Nitrophenol	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
4-Nitrophenol	<0.00200	0.00200	0.00399		mg/L	1	09/10/24 06:11 PM
Phenol	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
2,4,6-Trichlorophenol	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Acenaphthene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Acenaphthylene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Benzo[b]fluoranthene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Benzo[g,h,i]perylene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Benzo[k]fluoranthene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Bis(2-chloroethoxy)methane	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Bis(2-chloroisopropyl)ether	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
4-Bromophenyl phenyl ether	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Butyl benzyl phthalate	<0.00300	0.00300	0.00599		mg/L	1	09/10/24 06:11 PM
2-Chloronaphthalene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
4-Chlorophenyl phenyl ether	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Dibenz[a,h]anthracene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Diethyl phthalate	<0.00300	0.00300	0.00599		mg/L	1	09/10/24 06:11 PM
Dimethyl phthalate	<0.00300	0.00300	0.00599		mg/L	1	09/10/24 06:11 PM
2,4-Dinitrotoluene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
2,6-Dinitrotoluene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Di-n-octyl phthalate	<0.00300	0.00300	0.00599		mg/L	1	09/10/24 06:11 PM
1,2-Diphenylhydrazine	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Fluoranthene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Fluorene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Indeno[1,2,3-cd]pyrene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Isophorone	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Naphthalene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
N-Nitrosodimethylamine	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
N-Nitrosodi-n-propylamine	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
N-Nitrosodiphenylamine	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Pyrene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
1,2,4-Trichlorobenzene	<0.000998	0.000998	0.00200		mg/L	1	09/10/24 06:11 PM
Surr: 2,4,6-Tribromophenol	51.5	0	10-123		%REC	1	09/10/24 06:11 PM
Surr: 2-Fluorobiphenyl	85.8	0	43-116		%REC	1	09/10/24 06:11 PM
Surr: 2-Fluorophenol	14.0	0	21-100	s	%REC	1	09/10/24 06:11 PM

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

C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAP certified

DHL Analytical, Inc.

Date: 11-Sep-24

CLIENT: Pollution Control Services
Project: PCS 773404
Project No:
Lab Order: 2409010

Client Sample ID: 773404
Lab ID: 2409010-01
Collection Date: 09/03/24 09:31 AM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER							Analyst: DEW
Surr: 4-Terphenyl-d14	88.2	0	33-141		%REC	1	09/10/24 06:11 PM
Surr: Nitrobenzene-d5	97.0	0	35-115		%REC	1	09/10/24 06:11 PM
Surr: Phenol-d5	10.3	0	10-94		%REC	1	09/10/24 06:11 PM
NONYLPHENOL IN WATER BY ASTM METHOD							Analyst: DEW
Nonylphenol	<0.0699	0.0699	0.0998	N	mg/L	1	09/10/24 06:11 PM
624.1 VOLATILES WATER							Analyst: JVR
Acrylonitrile	<0.00300	0.00300	0.0500		mg/L	1	09/04/24 03:12 PM
Benzene	<0.00100	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
Bromodichloromethane	0.0728	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
Bromoform	0.0839	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
Carbon tetrachloride	<0.00100	0.00100	0.00200		mg/L	1	09/04/24 03:12 PM
Chlorobenzene	<0.00100	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
Chlorodibromomethane	0.115	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
Chloroform	0.0402	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
1,2-Dibromoethane	<0.00100	0.00100	0.00200		mg/L	1	09/04/24 03:12 PM
1,3-Dichlorobenzene	<0.00100	0.00100	0.00500		mg/L	1	09/04/24 03:12 PM
1,2-Dichlorobenzene	<0.00100	0.00100	0.00500		mg/L	1	09/04/24 03:12 PM
1,4-Dichlorobenzene	<0.00100	0.00100	0.00500		mg/L	1	09/04/24 03:12 PM
1,2-Dichloroethane	<0.00100	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
1,1-Dichloroethene	<0.00100	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
Methylene chloride (DCM)	<0.00250	0.00250	0.0200		mg/L	1	09/04/24 03:12 PM
1,2-Dichloropropane	<0.00100	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
1,3-Dichloropropene (cis)	<0.00100	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
1,3-Dichloropropene (trans)	<0.00100	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
Ethylbenzene	<0.00100	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
Methyl ethyl ketone	<0.0150	0.0150	0.0500		mg/L	1	09/04/24 03:12 PM
1,1,2,2-Tetrachloroethane	<0.00100	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
Tetrachloroethene	<0.00200	0.00200	0.0100		mg/L	1	09/04/24 03:12 PM
Toluene	<0.00200	0.00200	0.0100		mg/L	1	09/04/24 03:12 PM
1,1,1-Trichloroethane	<0.00100	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
1,1,2-Trichloroethane	<0.00100	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
Trichloroethene	<0.00100	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
TTHM (Total Trihalomethanes)	0.312	0.00500	0.0100		mg/L	1	09/04/24 03:12 PM
Vinyl chloride	<0.00100	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
Acrolein	<0.0150	0.0150	0.0500		mg/L	1	09/04/24 03:12 PM
Chloroethane	<0.00200	0.00200	0.0100		mg/L	1	09/04/24 03:12 PM
2-Chloroethylvinylether	<0.00600	0.00600	0.0100		mg/L	1	09/04/24 03:12 PM

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

DHL Analytical, Inc.

Date: 11-Sep-24

CLIENT: Pollution Control Services
Project: PCS 773404
Project No:
Lab Order: 2409010

Client Sample ID: 773404
Lab ID: 2409010-01
Collection Date: 09/03/24 09:31 AM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER							Analyst: JVR
E624.1							
1,1-Dichloroethane	<0.00100	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
Methyl bromide	<0.00500	0.00500	0.0200		mg/L	1	09/04/24 03:12 PM
Methyl chloride	<0.00100	0.00100	0.0200		mg/L	1	09/04/24 03:12 PM
trans-1,2-Dichloroethylene	<0.00100	0.00100	0.0100		mg/L	1	09/04/24 03:12 PM
Surr: 1,2-Dichloroethane-d4	97.4	0	72-119		%REC	1	09/04/24 03:12 PM
Surr: 4-Bromofluorobenzene	105	0	76-119		%REC	1	09/04/24 03:12 PM
Surr: Dibromofluoromethane	106	0	85-115		%REC	1	09/04/24 03:12 PM
Surr: Toluene-d8	104	0	81-120		%REC	1	09/04/24 03:12 PM
CYANIDE - WATER SAMPLE							Analyst: SMA
M4500-CN E							
Cyanide, Amenable to Chlorination	<0.0100	0.0100	0.0200		mg/L	1	09/10/24 10:57 AM
Cyanide, Total	<0.0100	0.0100	0.0200		mg/L	1	09/10/24 10:57 AM

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

C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAP certified

CLIENT: Pollution Control Services
 Work Order: 2409010
 Project: PCS 773404

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_240910B

The QC data in batch 117064 applies to the following samples: 2409010-01D

The GC data in batch 117064 applies to the following:

Sample ID: LCS-117064-PCB	Batch ID: 117064	TestNo: E625.1	Units: mg/L							
SampType: LCS	Run ID: GCMS8_240910B	Analysis Date: 9/10/2024 4:55:00 PM	Prep Date: 9/5/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	0.00328	0.000200	0.00400	0	82.1	37	130			
Aroclor 1260	0.00357	0.000200	0.00400	0	89.3	19	130			
Total PCBs	0.00686	0.000200	0.00800	0	85.7	19	130			
Surr: 2-Fluorobiphenyl	3.26		4.000		81.6	43	116			
Surr: 4-Terphenyl-d14	3.76		4.000		94.0	33	141			

Surr: 4-Terphenyl-d14		3.76	4.000							
Sample ID: MB-117064	Batch ID: 117064	TestNo: E625.1	Units: mg/L							
SampType: MBLK	Run ID: GCMS8_240910B	Analysis Date: 9/10/2024 5:25:00 PM	Prep Date: 9/5/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	<0.000100	0.000200								
Aroclor 1221	<0.000100	0.000200								
Aroclor 1232	<0.000100	0.000200								
Aroclor 1242	<0.000100	0.000200								
Aroclor 1248	<0.000100	0.000200								
Aroclor 1254	<0.000100	0.000200								
Aroclor 1260	<0.000100	0.000200								
Total PCBs	<0.000100	0.000200								
Surr: 2-Fluorobiphenyl	3.26		4.000		81.5	43	116			
Surr: 4-Terphenyl-d14	3.80		4.000		94.9	33	141			

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

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

CLIENT: Pollution Control Services
 Work Order: 2409010
 Project: PCS 773404

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240910A

The QC data in batch 117116 applies to the following samples: 2409010-01C

Sample ID: LCS-117116	Batch ID: 117116	TestNo: E625.1	Units: mg/L
SampType: LCS	Run ID: GCMS9_240910A	Analysis Date: 9/10/2024 4:21:00 PM	Prep Date: 9/10/2024

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	0.0467	0.00400	0.0400	0	117	5	125			
Benzo[a]anthracene	0.0397	0.00200	0.0400	0	99.4	33	143			
Benzo[a]pyrene	0.0450	0.00200	0.0400	0	113	17	163			
Chrysene	0.0419	0.00200	0.0400	0	105	17	168			
2,4-Dimethylphenol	0.0405	0.00200	0.0400	0	101	32	120			
4,6-Dinitro-o-cresol	0.0444	0.00400	0.0400	0	111	10	181			
m,p-Cresols	0.0340	0.00400	0.0400	0	85.0	10	125			
o-Cresol	0.0351	0.00400	0.0400	0	87.8	25	125			
p-Chloro-m-Cresol	0.0427	0.00400	0.0400	0	107	22	147			
Hexachlorobenzene	0.0385	0.00200	0.0400	0	96.2	10	152			
Hexachlorobutadiene	0.0328	0.00200	0.0400	0	81.9	24	120			
Hexachloroethane	0.0353	0.00200	0.0400	0	88.4	40	120			
Nitrobenzene	0.0394	0.00200	0.0400	0	98.5	35	180			
N-Nitrosodiethylamine	0.0365	0.00400	0.0400	0	91.3	20	125			
N-Nitrosodi-n-butylamine	0.0451	0.00400	0.0400	0	113	20	125			
Pentachlorobenzene	0.0380	0.00200	0.0400	0	95.1	40	140			
Pentachlorophenol	0.0308	0.00200	0.0400	0	77.1	14	176			
Phenanthrene	0.0374	0.00200	0.0400	0	93.5	54	120			
Pyridine	0.0197	0.00200	0.0400	0	49.2	10	75			
1,2,4,5-Tetrachlorobenzene	0.0372	0.00200	0.0400	0	93.0	30	140			
2,4,5-Trichlorophenol	0.0447	0.00200	0.0400	0	112	25	125			
2-Chlorophenol	0.0362	0.00200	0.0400	0	90.6	23	134			
2,4-Dichlorophenol	0.0427	0.00200	0.0400	0	107	39	135			
2,4-Dinitrophenol	0.0376	0.00400	0.0400	0	93.9	10	191			
2-Nitrophenol	0.0414	0.00200	0.0400	0	104	29	182			
4-Nitrophenol	0.0303	0.00400	0.0400	0	75.7	10	132			
Phenol	0.0209	0.00200	0.0400	0	52.2	5	120			
2,4,6-Trichlorophenol	0.0443	0.00200	0.0400	0	111	37	144			
Acenaphthene	0.0389	0.00200	0.0400	0	97.3	47	145			
Acenaphthylene	0.0381	0.00200	0.0400	0	95.3	33	145			
Anthracene	0.0391	0.00200	0.0400	0	97.6	27	133			
Benzo[b]fluoranthene	0.0428	0.00200	0.0400	0	107	24	159			
Benzo[g,h,i]perylene	0.0447	0.00200	0.0400	0	112	10	219			
Benzo[k]fluoranthene	0.0405	0.00200	0.0400	0	101	11	162			
Bis(2-chloroethoxy)methane	0.0383	0.00200	0.0400	0	95.8	33	184			
Bis(2-chloroethyl)ether	0.0398	0.00200	0.0400	0	99.4	12	158			
Bis(2-chloroisopropyl)ether	0.0334	0.00200	0.0400	0	83.4	36	166			
Bis(2-ethylhexyl)phthalate	0.0503	0.00600	0.0400	0	126	10	158			
4-Bromophenyl phenyl ether	0.0398	0.00200	0.0400	0	99.5	53	127			
Butyl benzyl phthalate	0.0461	0.00600	0.0400	0	115	10	152			

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

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

CLIENT: Pollution Control Services

Work Order: 2409010

Project: PCS 773404

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240910A

Sample ID: LCS-117116	Batch ID: 117116	TestNo: E625.1	Units: mg/L
SampType: LCS	Run ID: GCMS9_240910A	Analysis Date: 9/10/2024 4:21:00 PM	Prep Date: 9/10/2024

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Chloronaphthalene	0.0376	0.00200	0.0400	0	94.0	60	120			
4-Chlorophenyl phenyl ether	0.0409	0.00200	0.0400	0	102	25	158			
Dibenz[a,h]anthracene	0.0442	0.00200	0.0400	0	110	10	125			
3,3'-Dichlorobenzidine	0.0422	0.00500	0.0400	0	106	10	262			
Diethyl phthalate	0.0437	0.00600	0.0400	0	109	10	120			
Dimethyl phthalate	0.0418	0.00600	0.0400	0	105	10	120			
Di-n-butyl phthalate	0.0437	0.00600	0.0400	0	109	10	120			
2,4-Dinitrotoluene	0.0423	0.00200	0.0400	0	106	39	139			
2,6-Dinitrotoluene	0.0423	0.00200	0.0400	0	106	50	158			
Di-n-octyl phthalate	0.0440	0.00600	0.0400	0	110	10	146			
1,2-Diphenylhydrazine	0.0387	0.00200	0.0400	0	96.7	40	140			
Fluoranthene	0.0417	0.00200	0.0400	0	104	26	137			
Fluorene	0.0425	0.00200	0.0400	0	106	59	121			
Hexachlorocyclopentadiene	0.0331	0.00200	0.0400	0	82.8	8	130			
Indeno[1,2,3-cd]pyrene	0.0436	0.00200	0.0400	0	109	10	171			
Isophorone	0.0377	0.00200	0.0400	0	94.2	21	196			
Naphthalene	0.0355	0.00200	0.0400	0	88.8	21	133			
N-Nitrosodimethylamine	0.0187	0.00200	0.0400	0	46.8	10	125			
N-Nitrosodi-n-propylamine	0.0404	0.00200	0.0400	0	101	10	230			
N-Nitrosodiphenylamine	0.0418	0.00200	0.0400	0	105	20	125			
Pyrene	0.0426	0.00200	0.0400	0	106	52	120			
1,2,4-Trichlorobenzene	0.0355	0.00200	0.0400	0	88.6	44	142			
Surr: 2,4,6-Tribromophenol	85.2		80.00		106	10	123			
Surr: 2-Fluorobiphenyl	71.4		80.00		89.2	43	116			
Surr: 2-Fluorophenol	59.8		80.00		74.8	21	100			
Surr: 4-Terphenyl-d14	76.4		80.00		95.5	33	141			
Surr: Nitrobenzene-d5	79.2		80.00		99.0	35	115			
Surr: Phenol-d5	40.4		80.00		50.5	10	94			

Sample ID: MB-117116	Batch ID: 117116	TestNo: E625.1	Units: mg/L
SampType: MBLK	Run ID: GCMS9_240910A	Analysis Date: 9/10/2024 5:49:00 PM	Prep Date: 9/10/2024

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	<0.00100	0.00400								
Benzo[a]anthracene	<0.00100	0.00200								
Benzo[a]pyrene	<0.00100	0.00200								
Chrysene	<0.00100	0.00200								
2,4-Dimethylphenol	<0.00100	0.00200								
4,6-Dinitro-o-cresol	<0.00200	0.00400								
m,p-Cresols	<0.00200	0.00400								
o-Cresol	<0.00200	0.00400								

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

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

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CLIENT: Pollution Control Services
 Work Order: 2409010
 Project: PCS 773404

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240910A

PCS 175404

Sample ID: MB-117116	Batch ID: 117116	TestNo: E625.1	Units: mg/L							
SampType: MBLK	Run ID: GCMS9_240910A	Analysis Date: 9/10/2024 5:49:00 PM	Prep Date: 9/10/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
p-Chloro-m-Cresol	<0.00200	0.00400								
Hexachlorobenzene	<0.00100	0.00200								
Hexachlorobutadiene	<0.00100	0.00200								
Hexachloroethane	<0.00100	0.00200								
Nitrobenzene	<0.00100	0.00200								
N-Nitrosodiethylamine	<0.00200	0.00400								
N-Nitrosodi-n-butylamine	<0.00100	0.00400								
Pentachlorobenzene	<0.00100	0.00200								
Pentachlorophenol	<0.00100	0.00200								
Phenanthrene	<0.00100	0.00200								
Pyridine	<0.00100	0.00200								
1,2,4,5-Tetrachlorobenzene	<0.00100	0.00200								
2,4,5-Trichlorophenol	<0.00100	0.00200								
2-Chlorophenol	<0.00100	0.00200								
2,4-Dichlorophenol	<0.00100	0.00200								
2,4-Dinitrophenol	<0.00200	0.00400								
2-Nitrophenol	<0.00100	0.00200								
4-Nitrophenol	<0.00200	0.00400								
Phenol	<0.00100	0.00200								
2,4,6-Trichlorophenol	<0.00100	0.00200								
Acenaphthene	<0.00100	0.00200								
Acenaphthylene	<0.00100	0.00200								
Anthracene	<0.00100	0.00200								
Benzo[b]fluoranthene	<0.00100	0.00200								
Benzo[g,h,i]perylene	<0.00100	0.00200								
Benzo[k]fluoranthene	<0.00100	0.00200								
Bis(2-chloroethoxy)methane	<0.00100	0.00200								
Bis(2-chloroethyl)ether	<0.00100	0.00200								
Bis(2-chloroisopropyl)ether	<0.00100	0.00200								
Bis(2-ethylhexyl)phthalate	<0.00300	0.00600								
4-Bromophenyl phenyl ether	<0.00100	0.00200								
Butyl benzyl phthalate	<0.00300	0.00600								
2-Chloronaphthalene	<0.00100	0.00200								
4-Chlorophenyl phenyl ether	<0.00100	0.00200								
Dibenz[a,h]anthracene	<0.00100	0.00200								
3,3'-Dichlorobenzidine	<0.00100	0.00500								
Diethyl phthalate	<0.00300	0.00600								
Dimethyl phthalate	<0.00300	0.00600								
Di-n-butyl phthalate	<0.00300	0.00600								
2,4-Dinitrotoluene	<0.00100	0.00200								
2,6-Dinitrotoluene	<0.00100	0.00200								

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

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

CLIENT: Pollution Control Services
 Work Order: 2409010
 Project: PCS 773404

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240910A

Project: PCB WASTE										
Sample ID: MB-117116		Batch ID: 117116		TestNo: E625.1		Units: mg/L				
SampType: MBLK		Run ID: GCMS9_240910A		Analysis Date: 9/10/2024 5:49:00 PM		Prep Date: 9/10/2024				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Di-n-octyl phthalate	<0.00300	0.00600								
1,2-Diphenylhydrazine	<0.00100	0.00200								
Fluoranthene	<0.00100	0.00200								
Fluorene	<0.00100	0.00200								
Hexachlorocyclopentadiene	<0.00100	0.00200								
Indeno[1,2,3-cd]pyrene	<0.00100	0.00200								
Isophorone	<0.00100	0.00200								
Naphthalene	<0.00100	0.00200								
N-Nitrosodimethylamine	<0.00100	0.00200								
N-Nitrosodi-n-propylamine	<0.00100	0.00200								
N-Nitrosodiphenylamine	<0.00100	0.00200								
Pyrene	<0.00100	0.00200								
1,2,4-Trichlorobenzene	<0.00100	0.00200								
Surr: 2,4,6-Tribromophenol	88.6		80.00		111	10	123			
Surr: 2-Fluorobiphenyl	75.0		80.00		93.8	43	116			
Surr: 2-Fluorophenol	55.4		80.00		69.3	21	100			
Surr: 4-Terphenyl-d14	76.0		80.00		95.0	33	141			
Surr: Nitrobenzene-d5	81.2		80.00		102	35	115			
Surr: Phenol-d5	34.4		80.00		43.0	10	94			

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

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

CLIENT: Pollution Control Services
Work Order: 2409010
Project: PCS 773404

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_240910B

The QC data in batch 117116 applies to the following samples: 2409010-01C

Sample ID: LCS-117116-NP	Batch ID: 117116	TestNo: D7065-17	Units: mg/L
SampType: LCS	Run ID: GCMS9_240910B	Analysis Date: 9/10/2024 5:05:00 PM	Prep Date: 9/10/2024

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nonylphenol	0.916	0.100	1.00	0	91.6	40	140			N

Sample ID: MB-117116	Batch ID: 117116	TestNo: D7065-17	Units: mg/L
SampType: MBLK	Run ID: GCMS9_240910B	Analysis Date: 9/10/2024 5:49:00 PM	Prep Date: 9/10/2024

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nonylphenol	<0.0700	0.100								N

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

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

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CLIENT: Pollution Control Services
 Work Order: 2409010
 Project: PCS 773404

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240904A

The QC data in batch 117060 applies to the following samples: 2409010-01A

Sample ID: LCS-117060	Batch ID: 117060	TestNo: E624.1	Units: mg/L							
SampType: LCS	Run ID: GCMS5_240904A	Analysis Date: 9/4/2024 1:19:00 PM	Prep Date: 9/4/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0252	0.00100	0.0232	0	109	65	135			
Carbon tetrachloride	0.0232	0.00100	0.0232	0	100	70	130			
Chlorobenzene	0.0234	0.00100	0.0232	0	101	35	135			
Chloroform	0.0237	0.00100	0.0232	0	102	70	135			
Chlorodibromomethane	0.0235	0.00100	0.0232	0	101	70	135			
1,2-Dibromoethane	0.0234	0.00100	0.0232	0	101	60	140			
1,2-Dichloroethane	0.0232	0.00100	0.0232	0	100	70	130			
1,1-Dichloroethene	0.0239	0.00100	0.0232	0	103	50	150			
Methyl ethyl ketone	0.130	0.0150	0.116	0	112	60	140			
Tetrachloroethene	0.0240	0.00200	0.0232	0	103	70	130			
Trichloroethene	0.0247	0.00100	0.0232	0	106	65	135			
1,1,1-Trichloroethane	0.0229	0.00100	0.0232	0	98.9	70	130			
TTHM (Total Trihalomethanes)	0.0943	0.00100	0.0928	0	102	60	140			
Vinyl chloride	0.0251	0.00100	0.0232	0	108	5	195			
Acrolein	0.0549	0.0150	0.0580	0	94.7	60	140			
Acrylonitrile	0.0513	0.00300	0.0464	0	111	60	140			
1,1,2,2-Tetrachloroethane	0.0226	0.00100	0.0232	0	97.3	60	140			
Bromoform	0.0230	0.00100	0.0232	0	98.9	65	135			
Chloroethane	0.0228	0.00500	0.0232	0	98.5	40	160			
2-Chloroethylvinylether	0.0218	0.0100	0.0232	0	94.0	5	225			
Bromodichloromethane	0.0242	0.00100	0.0232	0	104	65	135			
1,1-Dichloroethane	0.0260	0.00100	0.0232	0	112	70	130			
1,2-Dichloropropane	0.0270	0.00100	0.0232	0	116	35	165			
1,3-Dichloropropene (cis)	0.0248	0.00100	0.0232	0	107	25	175			
1,3-Dichloropropene (trans)	0.0241	0.00100	0.0232	0	104	50	150			
Ethylbenzene	0.0230	0.00100	0.0232	0	99.0	60	140			
Methyl bromide	0.0160	0.00500	0.0232	0	68.9	15	185			
Methyl chloride	0.0298	0.00500	0.0232	0	128	5	205			
Methylene chloride (DCM)	0.0250	0.00500	0.0232	0	108	60	140			
Toluene	0.0243	0.00200	0.0232	0	105	70	130			
trans-1,2-Dichloroethylene	0.0243	0.00200	0.0232	0	105	70	130			
1,1,2-Trichloroethane	0.0244	0.00100	0.0232	0	105	70	130			
1,2-Dichlorobenzene	0.0234	0.00100	0.0232	0	101	65	135			
1,3-Dichlorobenzene	0.0232	0.00100	0.0232	0	100	70	130			
1,4-Dichlorobenzene	0.0229	0.00100	0.0232	0	98.5	65	135			
Surr: 1,2-Dichloroethane-d4	184		200.0		91.8	72	119			
Surr: 4-Bromofluorobenzene	191		200.0		95.3	76	119			
Surr: Dibromofluoromethane	199		200.0		99.7	85	115			
Surr: Toluene-d8	202		200.0		101	81	120			

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

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

CLIENT: Pollution Control Services
 Work Order: 2409010
 Project: PCS 773404

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240904A

Project: PCS 773404										
Sample ID: MB-117060		Batch ID: 117060		TestNo: E624.1		Units: mg/L				
SampType: MBLK		Run ID: GCMS5_240904A		Analysis Date: 9/4/2024 2:21:00 PM			Prep Date: 9/4/2024			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	<0.000300	0.00100								
Carbon tetrachloride	<0.000300	0.00100								
Chlorobenzene	<0.000300	0.00100								
Chloroform	<0.000300	0.00100								
Chlorodibromomethane	<0.000300	0.00100								
1,2-Dibromoethane	<0.000300	0.00100								
1,2-Dichloroethane	<0.000300	0.00100								
1,1-Dichloroethene	<0.000300	0.00100								
Methyl ethyl ketone	<0.00500	0.0150								
Tetrachloroethene	<0.000600	0.00200								
Trichloroethene	<0.000600	0.00100								
1,1,1-Trichloroethane	<0.000300	0.00100								
TTHM (Total Trihalomethanes)	<0.000300	0.00100								
Vinyl chloride	<0.000300	0.00100								
Acrolein	<0.00500	0.0150								
Acrylonitrile	<0.00100	0.00300								
1,1,2,2-Tetrachloroethane	<0.000300	0.00100								
Bromoform	<0.000300	0.00100								
Chloroethane	<0.00100	0.00500								
2-Chloroethylvinylether	<0.00600	0.0100								
Bromodichloromethane	<0.000300	0.00100								
1,1-Dichloroethane	<0.000300	0.00100								
1,2-Dichloropropane	<0.000300	0.00100								
1,3-Dichloropropene (cis)	<0.000300	0.00100								
1,3-Dichloropropene (trans)	<0.000300	0.00100								
Ethylbenzene	<0.000300	0.00100								
Methyl bromide	<0.00100	0.00500								
Methyl chloride	<0.00100	0.00500								
Methylene chloride (DCM)	<0.00250	0.00500								
Toluene	<0.000600	0.00200								
trans-1,2-Dichloroethylene	<0.000300	0.00200								
1,1,2-Trichloroethane	<0.000300	0.00100								
1,2-Dichlorobenzene	<0.000300	0.00100								
1,3-Dichlorobenzene	<0.000300	0.00100								
1,4-Dichlorobenzene	<0.000300	0.00100								
Surr: 1,2-Dichloroethane-d4	191		200.0		95.4	72	119			
Surr: 4-Bromofluorobenzene	207		200.0		103	76	119			
Surr: Dibromofluoromethane	207		200.0		103	85	115			
Surr: Toluene-d8	212		200.0		106	81	120			

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

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

CLIENT: Pollution Control Services
 Work Order: 2409010
 Project: PCS 773404

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240904A

Project: PCS 773404

Sample ID: 2409010-01AMS	Batch ID: 117060	TestNo: E624.1	Units: mg/L							
SampType: MS	Run ID: GCMS5_240904A	Analysis Date: 9/4/2024 4:43:00 PM	Prep Date: 9/4/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.271	0.0100	0.232	0	117	37	151			
Carbon tetrachloride	0.254	0.0100	0.232	0	109	70	140			
Chlorobenzene	0.247	0.0100	0.232	0	106	37	160			
Chloroform	0.299	0.0100	0.232	0.0405	112	51	138			
Chlorodibromomethane	0.358	0.0100	0.232	0.115	105	53	149			
1,2-Dibromoethane	0.241	0.0100	0.232	0	104	40	160			
1,2-Dichloroethane	0.252	0.0100	0.232	0	109	49	155			
1,1-Dichloroethene	0.252	0.0100	0.232	0	109	10	234			
Methyl ethyl ketone	1.44	0.150	1.16	0	124	40	160			
Tetrachloroethene	0.249	0.0200	0.232	0	107	64	148			
Trichloroethene	0.259	0.0100	0.232	0	112	70	157			
1,1,1-Trichloroethane	0.242	0.0100	0.232	0	104	52	162			
TTHM (Total Trihalomethanes)	1.32	0.0100	0.928	0.311	108	40	160			
Vinyl chloride	0.264	0.0100	0.232	0	114	10	251			
Acrolein	0.468	0.150	0.580	0	80.7	40	160			
Acrylonitrile	0.537	0.0300	0.464	0	116	40	160			
1,1,2,2-Tetrachloroethane	0.240	0.0100	0.232	0	104	46	157			
Bromoform	0.326	0.0100	0.232	0.0829	105	45	169			
Chloroethane	0.240	0.0500	0.232	0	103	14	230			
2-Chloroethylvinylether	<0.0600	0.100	0.232	0	0	5	273			S
Bromodichloromethane	0.333	0.0100	0.232	0.0730	112	35	155			
1,1-Dichloroethane	0.278	0.0100	0.232	0	120	59	155			
1,2-Dichloropropane	0.288	0.0100	0.232	0	124	10	210			
1,3-Dichloropropene (cis)	0.248	0.0100	0.232	0	107	10	227			
1,3-Dichloropropene (trans)	0.250	0.0100	0.232	0	108	17	183			
Ethylbenzene	0.239	0.0100	0.232	0	103	37	162			
Methyl bromide	0.166	0.0500	0.232	0	71.4	10	242			
Methyl chloride	0.313	0.0500	0.232	0	135	5	273			
Methylene chloride (DCM)	0.264	0.0500	0.232	0	114	10	221			
Toluene	0.258	0.0200	0.232	0	111	47	150			
trans-1,2-Dichloroethylene	0.254	0.0200	0.232	0	110	54	156			
1,1,2-Trichloroethane	0.263	0.0100	0.232	0	113	52	150			
1,2-Dichlorobenzene	0.244	0.0100	0.232	0	105	18	190			
1,3-Dichlorobenzene	0.238	0.0100	0.232	0	103	59	156			
1,4-Dichlorobenzene	0.242	0.0100	0.232	0	104	18	190			
Surr: 1,2-Dichloroethane-d4	1890		2000		94.4	72	119			
Surr: 4-Bromofluorobenzene	1890		2000		94.6	76	119			
Surr: Dibromofluoromethane	2050		2000		103	85	115			
Surr: Toluene-d8	1960		2000		97.9	81	120			

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

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

CLIENT: Pollution Control Services
 Work Order: 2409010
 Project: PCS 773404

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240904A

Project: PCS 175404

Sample ID: 2409010-01AMSD	Batch ID: 117060	TestNo: E624.1	Units: mg/L							
SampType: MSD	Run ID: GCMS5_240904A	Analysis Date: 9/4/2024 5:09:00 PM	Prep Date: 9/4/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.276	0.0100	0.232	0	119	37	151	1.63	40	
Carbon tetrachloride	0.257	0.0100	0.232	0	111	70	140	1.46	40	
Chlorobenzene	0.255	0.0100	0.232	0	110	37	160	3.45	40	
Chloroform	0.305	0.0100	0.232	0.0405	114	51	138	1.97	40	
Chlorodibromomethane	0.368	0.0100	0.232	0.115	109	53	149	2.63	40	
1,2-Dibromoethane	0.251	0.0100	0.232	0	108	40	160	4.13	40	
1,2-Dichloroethane	0.256	0.0100	0.232	0	110	49	155	1.59	40	
1,1-Dichloroethene	0.264	0.0100	0.232	0	114	10	234	4.43	32	
Methyl ethyl ketone	1.46	0.150	1.16	0	126	40	160	1.52	40	
Tetrachloroethene	0.262	0.0200	0.232	0	113	64	148	5.05	39	
Trichloroethene	0.267	0.0100	0.232	0	115	70	157	3.15	40	
1,1,1-Trichloroethane	0.248	0.0100	0.232	0	107	52	162	2.69	36	
TTHM (Total Trihalomethanes)	1.35	0.0100	0.928	0.311	111	40	160	2.19	40	
Vinyl chloride	0.268	0.0100	0.232	0	115	10	251	1.41	40	
Acrolein	0.465	0.150	0.580	0	80.2	40	160	0.611	40	
Acrylonitrile	0.552	0.0300	0.464	0	119	40	160	2.76	40	
1,1,2,2-Tetrachloroethane	0.247	0.0100	0.232	0	107	46	157	2.89	40	
Bromoform	0.334	0.0100	0.232	0.0829	108	45	169	2.31	40	
Chloroethane	0.247	0.0500	0.232	0	107	14	230	3.10	40	
2-Chloroethylvinylether	<0.0600	0.100	0.232	0	0	5	273	0	40	S
Bromodichloromethane	0.338	0.0100	0.232	0.0730	114	35	155	1.78	40	
1,1-Dichloroethane	0.287	0.0100	0.232	0	124	59	155	2.86	40	
1,2-Dichloropropane	0.294	0.0100	0.232	0	127	10	210	2.04	40	
1,3-Dichloropropene (cis)	0.254	0.0100	0.232	0	110	10	227	2.31	40	
1,3-Dichloropropene (trans)	0.255	0.0100	0.232	0	110	17	183	2.12	40	
Ethylbenzene	0.247	0.0100	0.232	0	107	37	162	3.47	40	
Methyl bromide	0.176	0.0500	0.232	0	75.7	10	242	5.92	40	
Methyl chloride	0.321	0.0500	0.232	0	138	5	273	2.72	40	
Methylene chloride (DCM)	0.271	0.0500	0.232	0	117	10	221	2.57	28	
Toluene	0.266	0.0200	0.232	0	115	47	150	3.10	40	
trans-1,2-Dichloroethylene	0.266	0.0200	0.232	0	115	54	156	4.60	40	
1,1,2-Trichloroethane	0.267	0.0100	0.232	0	115	52	150	1.58	40	
1,2-Dichlorobenzene	0.253	0.0100	0.232	0	109	18	190	3.54	40	
1,3-Dichlorobenzene	0.252	0.0100	0.232	0	109	59	156	5.65	40	
1,4-Dichlorobenzene	0.254	0.0100	0.232	0	109	18	190	4.84	40	
Surr: 1,2-Dichloroethane-d4	1870		2000		93.5	72	119	0	0	
Surr: 4-Bromofluorobenzene	1890		2000		94.7	76	119	0	0	
Surr: Dibromofluoromethane	2000		2000		99.8	85	115	0	0	
Surr: Toluene-d8	1970		2000		98.7	81	120	0	0	

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

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

CLIENT: Pollution Control Services
 Work Order: 2409010
 Project: PCS 773404

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_240909B

The QC data in batch 117096 applies to the following samples: 2409010-01B

The QC data in batch 117096 applies to the following samples:

Sample ID: MB-117096	Batch ID: 117096	TestNo: M4500-CN E	Units: mg/L							
SampType: MBLK	Run ID: UV/VIS_2_240909B	Analysis Date: 9/10/2024 10:50:00 AM	Prep Date: 9/9/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination	<0.0100	0.0200								
Cyanide, Total	<0.0100	0.0200								

Cyanide, Total		<0.0100	0.0200							
Sample ID: LCS-117096	Batch ID: 117096	TestNo: M4500-CN E	Units: mg/L							
SampType: LCS	Run ID: UV/VIS_2_240909B	Analysis Date: 9/10/2024 10:51:00 AM	Prep Date: 9/9/2024							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.195	0.0200	0.2000	0	97.6	85	115			

Cyanide, Total		0.185	0.0200	0.2000	0	92.5	79	114		
Sample ID: 2409038-01AMS	Batch ID: 117096	TestNo: M4500-CN E		Units: mg/L						
SampType: MS	Run ID: UV/VIS_2_240909B	Analysis Date: 9/10/2024 10:52:00 AM		Prep Date: 9/9/2024						
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.185	0.0200	0.2000	0	92.5	79	114			

Cyanide, Total		0.185	0.0200	0.2000	0	92.5	79	114	3.20	20
Sample ID: 2409038-01AMSD	Batch ID: 117096	TestNo: M4500-CN E		Units: mg/L						
SampType: MSD	Run ID: UV/VIS_2_240909B	Analysis Date: 9/10/2024 10:52:00 AM		Prep Date: 9/9/2024						
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.191	0.0200	0.2000	0	95.5	79	114	3.20	20	

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

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

Pollution Control Services Sample Log-In Checklist

773404

PCS Sample No(s) 773404 COC No. _____
Client/Company Name: CMC Steel Tx Checklist Completed by: LMW

Sample Delivery to Lab Via:

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

Sample Kit/Coolers

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

Sample Preservation:

* Cooling: Not Required _____ or Required ☒
If cooling required, record temperature of submitted samples Observed/Corrected 71.4 °C
Is Ice Present in Sample Kit/Cooler? Yes ☒ No _____ Samples received same day as collected? ☒ Yes _____ No _____
Lab Thermometer Make and Serial Number: Vaughan 1807009583 Other: _____

Acid Preserved Sample - If present, is pH <2? Yes ☒ No ☒ ** ☒ H₂SO₄ ☒ HNO₃ ☒ H₃PO₄
Base Preserved Sample - If present, is pH >12? Yes ☒ No ☒ ☒ NaOH
Other Preservation: _____ If Present, Meets Requirements? Yes ☒ No _____
Sample Preservations Checked by: LMW Date: 9-3-24 Time: 1330
pH paper used to check sample preservation (PCS log #): 2413 (HEM pH checked at analysis).
Samples Preserved/Adjusted by Lab: Lab # _____ Parameters Preserved _____ Preservative Used _____ Log # _____

Adjusted by Tech/Analyst: _____ Date: _____ Time: _____

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

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


Actions taken to correct problems/discrepancies: _____

Receiving qualifier needed (requires client notification above) Temp. _____ Holding Time _____ Initials: _____
Receiving qualifier entered into LIMS at login Initial/Date: _____
Revision Comments: _____

Attachment 10(e)
Week 1 Chromium

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	PCS Sample Date/Time Report Date
Troy Penshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 9/17/2024 1045	Approved by:  Chuck Wallgren, President

CR
 Week # 1
 9/17/24
 Attachment
 10e

Test Description	Flag	Result	Units	RL	Analysis Date/Time	Method	Analyst
Chromium/ICP (Total)		0.010	mg/L	0.003	09/26/2024 13:27	EPA 200.7 / 6010 B	DJL
Trivalent Chromium		0.005	mg/L	N/A	09/26/2024 13:27	Calculation	DJL
Hexavalent Chrome	R	0.005	mg/L	0.003	09/17/2024 16:05	SM 3500-Cr B	DJL

Test Description	Precision	Quality Assurance Summary	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Chromium/ICP (Total)	1		20	75	100	99	125	100	85 - 115	
Trivalent Chromium	N/A		N/A	N/A			N/A			
Hexavalent Chrome	2		20	75	*72	*74	125	101	85 - 115	

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

* Approved for release per QA Plan, Exception to Limits - QAM Section 13-4
 R Spike recovery outside control limits due to matrix effect - LCS within limits

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

LAB NUMBER

~~775280~~

Container Extensions: ☐ S ☐ B1 ☐ B2 ☒ N ☐ HEM ☐ P Other _____

Single Sample COC 20110127

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Login at www.pcslab.net
TCEQ NELAP T104704361-TXX

Pollution Control Services Sample Log-In Checklist

775280

PCS Sample No(s) 775280 COC No. _____

Client/Company Name: CM Steel Tx Checklist Completed by: JAA

Sample Delivery to Lab Via:

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

Sample Kit/Coolers

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

Sample Preservation:

* Cooling: Not Required _____ or Required ☒ _____
If cooling required, record temperature of submitted samples Observed/Corrected 8.5 °C
Is Ice Present in Sample Kit/Cooler? ☒ Yes _____ No _____ Samples received same day as collected? ☒ Yes _____ No _____
Lab Thermometer Make and Serial Number: Vaughan 1807009583 Other: _____

Acid Preserved Sample - If present, is pH <2? Yes _____ No _____ ** _____ H₂SO₄ _____ HNO₃ _____ H₃PO₄
Base Preserved Sample - If present, is pH >12? Yes _____ No _____ NaOH _____
Other Preservation: _____ If Present, Meets Requirements? Yes _____ No _____
Sample Preservations Checked by: _____ Date _____ Time _____
pH paper used to check sample preservation (PCS log #): _____ (HEM pH checked at analysis).
Samples Preserved/Adjusted by Lab: Lab # Parameters Preserved Preservative Used Log #

Adjusted by Tech/Analyst: _____ Date: _____ Time: _____

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

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

Actions taken to correct problems/discrepancies: _____

Receiving qualifier needed (requires client notification above) Temp. _____ Holding Time _____ Initials: _____
Receiving qualifier entered into LIMS at login Initial/Date: _____
Revision Comments: _____

Attachment 10(f)
Week 2 Chromium

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Penshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 9/23/2024 1045	PCS Sample #: 775879 Page 1 of 1 Date/Time Received: 9/23/2024 16:00 Report Date: 9/30/2024 Approved by: Chuck Walgren, President

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Chromium/ICP (Total)	0.011	mg/L	0.003	09/26/2024 13:27	EPA 200.7 / 6010 B	DJL
Trivalent Chromium	0.002	mg/L	N/A	09/26/2024 13:27	Calculation	DJL
Hexavalent Chrome	0.009	mg/L	0.003	09/24/2024 06:55	SM 3500-Cr B	DJL

Test Description	Precision	Quality Assurance Summary	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Chromium/ICP (Total)	1	20	75	100	99	125	100	85 - 115		
Trivalent Chromium	N/A	N/A	N/A			N/A				
Hexavalent Chrome	<1	20	75	96	97	125	99	85 - 115		

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

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

POLLUTION CONTROL SERVICES

LAB NUMBER

775879

SINGLE SAMPLE ANALYSIS REQUEST AND CHAIN OF CUSTODY FORM

Container Extensions: ☐ S ☐ B1 ☐ B2 ☐ N ☐ HEM ☐ P Other _____

CUSTOMER INFORMATION

Name: CMC Steel Texas

REPORT INFORMATION

Attention: Troy Penschon

Telephone: (830) 372-8507

FAX: (830) 372-8502

SAMPLE INFORMATION (Please complete all items as they pertain to your sample)

Sample Collection	<input checked="" type="checkbox"/> Grab	Sample Date: 9/23/24	Sample Time: 0:45AM	Collected By: Troy Penschon	Project Name: Reclaimed Wastewater
	<input type="checkbox"/> Composite	Start Date:	End Date:	<input checked="" type="checkbox"/> Time/Equal Portion or <input type="checkbox"/> Flow Weighted	Project Number:
Sample Identification	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Domestic <input checked="" type="checkbox"/> Industrial	<input type="checkbox"/> Sludge	<input type="checkbox"/> Influent <input type="checkbox"/> Stream <input type="checkbox"/> Well Water	<input type="checkbox"/> 3 Part <input type="checkbox"/> 6 Part <input type="checkbox"/> 12 Part <input type="checkbox"/> 24 Hour
					<input type="checkbox"/> Liquid <input type="checkbox"/> Aeration <input type="checkbox"/> Reaif <input type="checkbox"/> RAS <input type="checkbox"/> Track <input type="checkbox"/> Digester
					<input type="checkbox"/> Solid
					<input type="checkbox"/> Other Misc Description/Location
<input type="checkbox"/> Water	<input type="checkbox"/> Surface	<input type="checkbox"/> Groundwater	<input type="checkbox"/> Monitor Well	<input type="checkbox"/> Irrigation Water	Comments/Precautions/Special Instructions:
<input type="checkbox"/> Soil					Report <input type="checkbox"/> As Is or <input type="checkbox"/> Dry Weight

Field Parameters	pH:	S.U.	Chlorine Res:	mg/l	Water Temp.:	C/F	D.O.	mg/l	SpCond	umhos/cm @ 25 C
Sample Preservation	<input type="checkbox"/> Cool 4°									

ANALYSIS REQUEST (Check analysis desired below. (See Schedule of Services for other available analysis.))

GENERAL CHEMISTRY		METALS		RCRA WASTE PROFILE		BACTERIOLOGICAL	
<input type="checkbox"/> pH	<input type="checkbox"/> D.O.	<input type="checkbox"/> T.Acid	<input type="checkbox"/> Ag	<input type="checkbox"/> Total	<input type="checkbox"/> Dissolved	<input type="checkbox"/> RCI	<input type="checkbox"/> F. Coliform - col/100 ml
<input checked="" type="checkbox"/> BOD5	<input checked="" type="checkbox"/> COD	<input type="checkbox"/> T.Alk	<input type="checkbox"/> Al	<input type="checkbox"/> K	<input type="checkbox"/> TI	<input type="checkbox"/> TCLP - Full	<input type="checkbox"/> F. Coliform - col/gm dry wt
<input checked="" type="checkbox"/> CBOD5	<input checked="" type="checkbox"/> FOG	<input type="checkbox"/> P.Alk	<input type="checkbox"/> As	<input type="checkbox"/> Mg	<input type="checkbox"/> V	<input type="checkbox"/> TCLP - Full w/o H/P	<input type="checkbox"/> T. Coliform - col/100 ml, P/A
<input checked="" type="checkbox"/> TSS	<input type="checkbox"/> FOG A	<input type="checkbox"/> SpCond.	<input type="checkbox"/> Ba	<input type="checkbox"/> Mn	<input type="checkbox"/> Zn	<input type="checkbox"/> TCLP - Vol	<input type="checkbox"/> Quanti Tray - MPN
<input type="checkbox"/> VSS	<input type="checkbox"/> FOG B	<input type="checkbox"/> TDS	<input type="checkbox"/> Be	<input type="checkbox"/> Mo		<input type="checkbox"/> TCLP - Semi Vol	
<input type="checkbox"/> MLSS	<input type="checkbox"/> FOG C	<input type="checkbox"/> T.Hard	<input type="checkbox"/> Ca	<input type="checkbox"/> Na		<input type="checkbox"/> TCLP - 8 Metals	
<input type="checkbox"/> VMLSS	<input type="checkbox"/> FOG D	<input type="checkbox"/> Cl	<input type="checkbox"/> Cd	<input type="checkbox"/> Ni		<input type="checkbox"/> TCLP - Pb	
<input type="checkbox"/> NH3N	<input type="checkbox"/> T.CN	<input type="checkbox"/> SO4	<input type="checkbox"/> Cr	<input type="checkbox"/> Pb		<input type="checkbox"/> RCRA 8 Metals	
<input checked="" type="checkbox"/> NO3N	<input checked="" type="checkbox"/> TCE	<input type="checkbox"/> TCEQ Well Wir	<input type="checkbox"/> HexCr	<input type="checkbox"/> Sb		<input type="checkbox"/> BTX	
<input type="checkbox"/> NO2N			<input type="checkbox"/> Cu	<input type="checkbox"/> Se		<input type="checkbox"/> TPH	
<input type="checkbox"/> TKN	<input type="checkbox"/> % Org N	<input type="checkbox"/> Sid. Well Water	<input type="checkbox"/> Fe	<input type="checkbox"/> Sn		<input type="checkbox"/> MTBE	
<input type="checkbox"/> TPO4P	<input type="checkbox"/> % Ash	<input type="checkbox"/> w/ Coliform					
		<input type="checkbox"/> w/o Coliform					

REQUIRED TURNAROUND: (See Schedule of Services for other available analysis.)

SAMPLE Archive/Disposal: <input checked="" type="checkbox"/> Laboratory Standard	<input type="checkbox"/> Hold for client pick up	Container Type / #:	<input type="checkbox"/> Plastic	Number:	<input type="checkbox"/> Glass	Other:	<input type="checkbox"/> Rush Charges Authorized by:
Relinquished By: Troy Penschon	Date: 9/23/24	Time: 4:00 PM	Received By:	Date:	Time:		
Relinquished By:	Date:	Time:	Received By:	Date:	Time:		
Relinquished By:	Date:	Time:	Received By:	Date:	Time:		

Single Sample COC 20110127

1532 Universal City Blvd, Ste. 100, Universal City, Texas 78148

P (210) 340-0343 or (800) 880-4616 - F (210) 658-7903

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TCEQ NELAP T104704361-TX

Pollution Control Services

Sample Log-In Checklist

PCS Sample No(s) 775879 COC No. 775879

Client/Company Name: CMC Steel Texas Checklist Completed by: JAA

Sample Delivery to Lab Via:

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

Sample Kit/Coolers

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

Sample Preservation:

* Cooling: Not Required ☒ or Required ☐
If cooling required, record temperature of submitted samples Observed/Corrected 8.5 °C
Is Ice Present in Sample Kit/Cooler? ☒ Yes ☐ No Samples received same day as collected? ☒ Yes ☐ No
Lab Thermometer Make and Serial Number: Vaughan 1807009583 Other: ☐

Acid Preserved Sample - If present, is pH <2? Yes ☐ No ☒ ** ☐ H₂SO₄ ☐ HNO₃ ☐ H₃PO₄
Base Preserved Sample - If present, is pH >12? Yes ☐ No ☒ NaOH ☐
Other Preservation: ☐ If Present, Meets Requirements? Yes ☐ No ☒
Sample Preservations Checked by: ☐ Date ☐ Time ☐
pH paper used to check sample preservation (PCS log #): ☐ (HEM pH checked at analysis).
Samples Preserved/Adjusted by Lab: Lab # Parameters Preserved Preservative Used Log #

Adjusted by Tech/Analyst: ☐ Date: ☐ Time: ☐

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

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

Actions taken to correct problems/discrepancies: ☐

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

Receiving qualifier entered into LIMS at login Initial/Date: ☐

Revision Comments: ☐

Attachment 10(g)
Week 3 Chromium

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Troy Penshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156	Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 9/30/2024 10:05	PCS Sample #: 776560 Page 1 of 1 Date/Time Received: 9/30/2024 12:08 Report Date: 10/11/2024 Approved by: Chuck Wallgren, President

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Chromium/ICP (Total)	0.009	mg/L	0.003	10/11/2024 07:12	EPA 200.7 / 6010 B	DJL
Trivalent Chromium	<0.003	mg/L	N/A	10/11/2024 07:12	Calculation	DJL
Hexavalent Chrome	0.009	mg/L	0.003	09/30/2024 15:05	SM 3500-Cr B	DJL

Test Description	Quality Assurance Summary					
	Precision	Limit	LCL	MS	MSD	UCL
Chromium/ICP (Total)	<1	20	75	95	95	125
Trivalent Chromium	N/A	N/A	N/A			N/A
Hexavalent Chrome	<1	20	75	97	98	125
						101
						85 - 115
						85 - 115

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

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

LAB NUMBER
776560

SINGLE SAMPLE ANALYSIS REQUEST AND CHAIN OF CUSTODY FORM

Container Extensions: ☐ S ☐ B1 ☐ B2 ☐ N ☐ HEM ☐ P Other

only highlighted tests

CUSTOMER INFORMATION Name: CMC Steel Texas Attention: Troy Penshorn Telephone: (830) 372-8507 FAX: (830) 372-8502		REPORT INFORMATION Project Name: <u>Recycled Wastewater</u> Project Number: <u>499-3117</u> Project Location: <u>Troy Penshorn</u> Commercial Carrier ID Number: <u></u> Comments/Precautions/Special Instructions: <u></u> Report <input type="checkbox"/> As Is or <input type="checkbox"/> Dry Weight umhos/cm @ 25 C	
SAMPLE INFORMATION Sample Collection Sample Date: <u>9/30/24</u> Sample Time: <u>10:05AM</u> Start Date: <u></u> End Date: <u></u> Start Time: <u></u> End Time: <u></u>		Collected By: <u>Troy Penshorn</u> <input checked="" type="checkbox"/> Time/Equal Portion or <input type="checkbox"/> Flow Weighed <input type="checkbox"/> 3 Part <input type="checkbox"/> 6 Part <input type="checkbox"/> 12 Part <input type="checkbox"/> 24 Hour <input type="checkbox"/> Liquid <input type="checkbox"/> Aeration <input type="checkbox"/> Reaer <input type="checkbox"/> RAS <input type="checkbox"/> Track <input type="checkbox"/> Digester <input type="checkbox"/> Solid <input type="checkbox"/> Effluent <input type="checkbox"/> Lake <input type="checkbox"/> Inflow <input type="checkbox"/> Stream <input type="checkbox"/> Monitor Well Other Misc Description/Location: <u>Irrigation Water</u>	
SAMPLE IDENTIFICATION <input checked="" type="checkbox"/> Wastewater <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Water <input type="checkbox"/> Surface <input type="checkbox"/> Groundwater <input type="checkbox"/> Soil		pH: <u></u> S.U. <u></u> Chlorine Res: <u></u> mg/l Water Temp.: <u></u> C/F <u></u> D.O. <u></u> mg/l Sp. Cond. <u></u> umhos/cm @ 25 C Other: <u></u>	
ANALYSIS REQUEST Check analysis desired below. (See Schedule of Services for other available analysis.)			
GENERAL CHEMISTRY <input type="checkbox"/> pH <input type="checkbox"/> D.O. <input type="checkbox"/> T. Acidity <input checked="" type="checkbox"/> BOD5 <input checked="" type="checkbox"/> COD <input type="checkbox"/> T. Alk. <input type="checkbox"/> CBOD5 <input type="checkbox"/> FOG <input type="checkbox"/> P. Alk. <input checked="" type="checkbox"/> TSS <input type="checkbox"/> FOG A <input type="checkbox"/> Sp. Cond. <input type="checkbox"/> VSS <input type="checkbox"/> FOG B <input type="checkbox"/> TDS <input type="checkbox"/> MLSS <input type="checkbox"/> FOG C <input type="checkbox"/> T. Hard <input type="checkbox"/> VMLSS <input type="checkbox"/> FOG D <input type="checkbox"/> Cl <input type="checkbox"/> NH3N <input type="checkbox"/> T. CN <input type="checkbox"/> SO4 <input checked="" type="checkbox"/> NO3N <input checked="" type="checkbox"/> TOC <input type="checkbox"/> NO2N <input type="checkbox"/> TKN <input type="checkbox"/> TPO4P		METALS <input checked="" type="checkbox"/> Total <input type="checkbox"/> Dissolved <input type="checkbox"/> Ag <input type="checkbox"/> Hg <input type="checkbox"/> Sr <input type="checkbox"/> Al <input type="checkbox"/> K <input type="checkbox"/> Ti <input type="checkbox"/> As <input type="checkbox"/> Mg <input type="checkbox"/> V <input type="checkbox"/> Ba <input type="checkbox"/> Mn <input type="checkbox"/> Zn <input type="checkbox"/> Be <input type="checkbox"/> Mo <input type="checkbox"/> Ca <input type="checkbox"/> Na <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Ni <input checked="" type="checkbox"/> Cr <input type="checkbox"/> Pb <input type="checkbox"/> HexCr <input type="checkbox"/> Sb <input checked="" type="checkbox"/> Cu <input type="checkbox"/> Se <input type="checkbox"/> Fe <input type="checkbox"/> Sn	
<input type="checkbox"/> Std. Well Water <input type="checkbox"/> w/ Coliform <input type="checkbox"/> w/o Coliform		RCRA WASTE PROFILE <input type="checkbox"/> RCI <input type="checkbox"/> TCLP - Full <input type="checkbox"/> TCLP - Full w/o H/P <input type="checkbox"/> TCLP - Vol <input type="checkbox"/> TCLP - Semi Vol <input type="checkbox"/> TCLP 8 Metals <input type="checkbox"/> TCLP - Pb <input type="checkbox"/> RCRA 8 Metals <input type="checkbox"/> BTEX <input type="checkbox"/> TPH <input type="checkbox"/> MTBE	
BACTERIOLOGICAL <input type="checkbox"/> F. Coliform - col/100 ml <input type="checkbox"/> F. Coliform - col/gm dry wt <input type="checkbox"/> T. Coliform - col/100 ml, P/A <input type="checkbox"/> Quanti Tray - MPN <input checked="" type="checkbox"/> E. coli - MPN		MISCELLANEOUS <input type="checkbox"/> 503 Metals <input type="checkbox"/> Soil/Sludge Nutrients <input type="checkbox"/> F. Coli (7 Replicate) <input type="checkbox"/> S.O.U.R.	

REQUIRED TURNAROUND: Routine (6-10 days) ☒ Expedite: (See Surcharge) ☐ < 8 Hrs. ☐ < 16 Hrs. ☐ < 24 Hrs. ☐ 5 days ☐ Other: ☐ Rush Charges Authorized by:

SAMPLE Archive/Disposal: ☐ Laboratory Standard ☐ Hold for client pick up ☐ Plastic ☐ Glass ☐ Number: Other:

Relinquished By: Troy Penshorn Date: 9/30/24 Time: 12:18 PM Received By: Jan Aguilera Date: 9-30-24 Time: 12:08

Relinquished By: Date: Time: Received By: Date: Time:

Relinquished By: Date: Time: Received By: Date: Time:

Single Sample COC 2010/127

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TCEQ NELAP T104704361-TX

Pollution Control Services Sample Log-In Checklist

776560

PCS Sample No(s) 776560 COC No. _____

Client/Company Name: CML Steel Tx Checklist Completed by: JAA

Sample Delivery to Lab Via:

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

Sample Kit/Coolers

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

Sample Preservation:

* Cooling: Not Required _____ or Required ☒ _____
If cooling required, record temperature of submitted samples Observed/Corrected 8, 5 °C
Is Ice Present in Sample Kit/Cooler? ☒ Yes _____ No _____ Samples received same day as collected? ☒ Yes _____ No _____
Lab Thermometer Make and Serial Number: Vaughan 1807009583 Other: _____

Acid Preserved Sample - If present, is pH <2? Yes _____ No _____ ** _____ H₂SO₄ _____ HNO₃ _____ H₃PO₄
Base Preserved Sample - If present, is pH >12? Yes _____ No _____ NaOH _____
Other Preservation: _____ If Present, Meets Requirements? Yes _____ No _____
Sample Preservations Checked by: _____ Date _____ Time _____
pH paper used to check sample preservation (PCS log #): _____ (HEM pH checked at analysis).
Samples Preserved/Adjusted by Lab: Lab # _____ Parameters Preserved _____ Preservative Used _____ Log # _____

Adjusted by Tech/Analyst: _____ Date: _____ Time: _____

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

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

Actions taken to correct problems/discrepancies: _____

Receiving qualifier needed (requires client notification above) Temp. _____ Holding Time _____ Initials: _____
Receiving qualifier entered into LIMS at login Initial/Date: _____
Revision Comments: _____

Attachment 10(h)
Week 4 Chromium

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information		Sample Information		Laboratory Information	
Troy Penshorn CMC Steel - Texas P.O. Box 911 Seguin, TX 78156		Project Name: TCEQ Ind. Permit Renewal Sample ID: OTFL-001 Matrix: Non-Potable Water Date/Time Taken: 10/7/2024 09:10		PCS Sample #: 777381 Page 1 of 1 Date/Time Received: 10/7/2024 13:05 Report Date: 10/11/2024 Approved by: Chuck Wallgren, President	

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Chromium/CP (Total)	0.005	mg/L	0.003	10/10/2024 14:33	EPA 200.7 / 6010 B	DJL
Trivalent Chromium	0.002	mg/L	N/A	10/10/2024 14:33	Calculation	DJL
Hexavalent Chrome	0.003	mg/L	0.003	10/07/2024 16:10	SM 3500-Cr B	DJL

Test Description	Precision	Quality Assurance Summary						Blank
		Limit	LCL	MS	MSD	UCL	LCS	
Chromium/CP (Total)	1	20	75	95	94	125	100	85 - 115
Trivalent Chromium	N/A	N/A	N/A			N/A		
Hexavalent Chrome	<1	20	75	99	100	125	100	85 - 115

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

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

LAB NUMBER
777381

Container Extensions: ☐ S ☐ B1 ☐ B2 ☐ N ☐ HEM ☐ P Other _____

SECRET

7000-210 (000) : VVJ

Stevyalar

Ref.

1

Instructions:

Weight

1.0

100

BACTERIOLOGICAL.

coliform - col/100 ml

Coliform - col/gm dry wt

Coliform - col/100 ml, P/

anti Tray - MPN

***E. coli* - MPN**

ANTONIO I ANTONIO

MISCELLANEOUS

Sludge Nutrients

Coli (7 Replicate)

D.U.R.

2005-06-24-111

Authorized by:

Nutr

Time:

Time:

Time: 1305

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SEQ NELAP T10470436

Pollution Control Services
Sample Log-In Checklist

777381

PCS Sample No(s) 777381 COC No. _____

Client/Company Name: CMC steel TX Checklist Completed by: JAA

Sample Delivery to Lab Via:

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

Sample Kit/Coolers

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

Sample Preservation:

* Cooling: Not Required _____ or Required ☒ _____
If cooling required, record temperature of submitted samples Observed/Corrected 6.3 °C
Is Ice Present in Sample Kit/Cooler? ☒ Yes _____ No _____ Samples received same day as collected? ☒ Yes _____ No _____
Lab Thermometer Make and Serial Number: Vaughan 1807009583 Other: _____

Acid Preserved Sample - If present, is pH <2? Yes _____ No _____ ** _____ H₂SO₄ _____ HNO₃ _____ H₃PO₄ _____
Base Preserved Sample - If present, is pH >12? Yes _____ No _____ NaOH _____
Other Preservation: _____ If Present, Meets Requirements? Yes _____ No _____
Sample Preservations Checked by: _____ Date _____ Time _____
pH paper used to check sample preservation (PCS log #): _____ (HEM pH checked at analysis).
Samples Preserved/Adjusted by Lab: Lab # _____ Parameters Preserved _____ Preservative Used _____ Log # _____

Adjusted by Tech/Analyst: _____ Date: _____ Time: _____

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

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

Actions taken to correct problems/discrepancies: _____

Receiving qualifier needed (requires client notification above) Temp. _____ Holding Time _____ Initials: _____
Receiving qualifier entered into LIMS at login Initial/Date: _____
Revision Comments: _____