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

SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

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.

North Alamo Water Supply Corporation (CN 600633713) operates the Lasara Reverse Osmosis water Treatment Plant 4 (RN101459154), a water purification plant. The facility is located at 6606 Highway 186, near Raymondville in Willacy County, Texas 78580.

North Alamo Water Supply Corporation has applied to the Texas Commission on Environmental Quality (TCEQ) to renew the permit that authorizes the discharge of wastes from the plant at a daily average flow not to exceed 1.0 million gallons per day (MGD) via Outfall 001.

Discharges from the facility are expected to contain a highly saline brine, salts, and other dissolved solids such as sodium chloride, manganese, iron, sodium sulfate, sodium bicarbonate, calcium sulfate and calcium bicarbonate.

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.

La Corporación de Abastecimiento de Agua North Álamo (CN 600633713) opera La Planta Potabilizadora de Ósmosis Inversa Lasara (RN101459154), un planta purificadora de agua. La planta está ubicada por la Carretera 186 Número 6606, cerca de la ciudad de Raymondville en el condado de Willacy, Texas código postal 78580.

La Corporación de Abastecimiento de Agua North Álamo ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el permiso que autoriza la descarga de aguas residuales de la planta en un volumen que no sobrepasa un flujo promedio diario de un 1.0 millones de galones por día por medio del Desagüe 001.

Se espera que las descargas de 1a planta contengan salmuera altamente salada, sales y otros sólidos disueltos como cloruro de sodio, manganeso, hierro, sulfato de sodio, bicarbonato de sodio, sulfato de calcio y bicarbonato de calcio.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0004480000

APPLICATION. North Alamo Water Supply Corporation, 420 South Doolittle Road, Edinburg, Texas 78542, which owns a reverse osmosis water treatment plant, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0004480000 (EPA I.D. No. TX0125156) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 1,000,000 gallons per day. The facility is located at 6606 Highway 186, in the city of Raymondville, in Willacy County, Texas 78580. The discharge route is from the plant site via a 12-inch diameter pipe to the West Main Drain; thence to East Main Drain; thence to Laguna Madre. TCEQ received this application on September 9, 2025. The permit application will be available for viewing and copying at Lasara Community Resource Center, Lobby, 706 East 6th Street, Lasara, in Willacy County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.899166,26.478611&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 North Alamo Water Supply Corporation at the address stated above or by calling Mr. Rolando Zamora, RO Production Supervisor, at 956-383-1618.

Issuance Date: September 25, 2025

Comisión de Calidad Ambiental del Estado de Texas

AVISO DE RECIBO DE LA SOLICITUD Y
EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA
RENOVACION

PERMISO NO. WQ0004480000

SOLICITUD. La Corporación de Abastecimiento de Agua North Álamo, Calle Doolittle Sur Número 420, Edinburg, Texas, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0004480000 (EPA I.D. No. TX 0125156) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 1,000,000 galones por día. La planta está ubicada por la Carretera 186 Número 6606, cerca de la ciudad de Raymondville en el condado de Willacy, Texas código postal 78580. La ruta de descarga es por medio de un tubo de 12 pulgadas de diámetro del sitio de la planta al Drenaje Principal del Oeste; de ahí al Drenaje Principal del Este; de ahí a la Laguna Madre en el Segmento Núm. 2491 de las Bahías y Estuarios. La TCEQ recibió esta solicitud el 9 de septiembre del 2025. La solicitud para el permiso estará disponible para leerla y copiarla en el Centro Comunitario de Recursos Lasara, Vestíbulo Principal, Calle 6 Este Número 706, Lasara, en el condado de Willacy, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:
https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications
Este enlace a un mapa electrónico 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=-98.126944,26.239166&level=18

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

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos

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

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

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

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión.

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

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

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

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

También se puede obtener información adicional de La Corporación de Abastecimiento de Agua North Álamo a la dirección indicada arriba o llamando al Sr. Rolando Zamora al teléfono 956-383-1618.

Fecha de emisión: 25 de septiembre de 2025

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST

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

APPLICANT NAME: North Alamo Water Supply Corporation

PERMIT NUMBER (If new, leave blank): WQ00 04480000

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

	Y	N		Y	N
Administrative Report 1.0	☒	☐	Worksheet 8.0	☐	☒
Administrative Report 1.1	☐	☒	Worksheet 9.0	☐	☒
SPIF	☒	☐	Worksheet 10.0	☐	☒
Core Data Form	☒	☐	Worksheet 11.0	☐	☒
Summary of Application (PLS)	☒	☐	Worksheet 11.1	☐	☒
Public Involvement Plan Form	☐	☒	Worksheet 11.2	☐	☒
Technical Report 1.0	☒	☐	Worksheet 11.3	☐	☒
Worksheet 1.0	☐	☒	Original USGS Map	☒	☐
Worksheet 2.0	☒	☐	Affected Landowners Map	☐	☒
Worksheet 3.0	☐	☒	Landowner Disk or Labels	☐	☒
Worksheet 3.1	☐	☒	Flow Diagram	☒	☐
Worksheet 3.2	☐	☒	Site Drawing	☒	☐
Worksheet 3.3	☐	☒	Original Photographs	☐	☒
Worksheet 4.0	☒	☐	Design Calculations	☐	☒
Worksheet 4.1	☐	☒	Solids Management Plan	☐	☒
Worksheet 5.0	☐	☒	Water Balance	☐	☒
Worksheet 6.0	☒	☐			
Worksheet 7.0	☐	☒			

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 Oil and Gas Exploration and Production Administrative Report (TCEQ Form-20893 and 20893-inst[1]).

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

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

Applicant Name: North Alamo Water Supply Corporation

Permit No.: WQ0004480000

EPA ID No.: TX0125156

Expiration Date: 3/12/2026

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

☐ Industrial Wastewater (wastewater and stormwater)

☐ Industrial Stormwater (stormwater only)

☒ Reverse Osmosis Water Treatment (reverse osmosis water treatment wastewaters 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 _____

[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)	☐ $350	☐ $350	☒ $315	☐ $150
Minor facility subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	☐ $1,250	☐ $1,250	☐ $1,215	☐ $150
Major facility	N/A [2]	☐ $2,050	☐ $2,015	☐ $450

h. Payment Information

Mailed

Check or money order No.:

Check or money order amt.: $315.00

Named printed on check or money order: Texas Commission on Environmental Quality

Epay

Voucher number: Click to enter text.

Copy of voucher attachment: Click to enter text.

Item 2. Applicant Information (Instructions, Pages 26)

a. Customer Number, if applicant is an existing customer: CN600633713

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: North Alamo Water Supply Corporation

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): Krenek/Steve

Title: Board President Credential:

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

☒ Yes ☐ No

[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

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:

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): CN

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: Full Name (Last/First Name):

Title: Credential:

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

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

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

a. ☒ Administrative Contact . ☐ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Gomez/Agustin

Title: Wastewater Manager Credential: Class A Wastewater License

Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas,78542

Phone No: (956) 383-1618 Email: agomez@nawsc.com

b. ☐ Administrative Contact ☒ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Zamora/Rolando

Title: RO Production Supervisor Credential: Class A Water License

Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas 78542

Phone No: (956) 651-0400 Email: rzamora@nawsc.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): Gomez/Agustin

Title: Wastewater Manager Credential: Class A Wastewater License

Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas 78542

Phone No: (956) 383-1618 Email: agomez@nawsc.com

b. Prefix: Mr. Full Name (Last/First Name): Zamora/Rolando

Title: RO Production Supervisor Credential: Class A Water License

Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas 78542

Phone No: (956) 651-0400 Email: rzamora@nawsc.com

Attachment:

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: Ms. Full Name (Last/First Name): Headley/Susan

Title: Purchasing Agent Credential:

Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas 78542

Phone No: (956) 383-1618 Email: sheadley@nawsc.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): Zamora/Rolando

Title: RO Production Supervisor Credential: Class A Water License

Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas,78542

Phone No: (956) 383-1618 Email: rzamora@nawsc.com

Item 9. Notice Information (Instructions, Pages 28)

a. Individual Publishing the Notices

Prefix: Mr. Full Name (Last/First Name): Zamora/Rolando

Title: RO Production Supervisor Credential: Class A Water License

Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas,78542

Phone No: (956) 383-1618 Email: rzamora@nawsc.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: rzamora@nawsc.com

☐ Fax:

☐ Regular Mail (USPS)

Mailing Address:

City/State/Zip Code:

c. Contact in the Notice

Prefix: Mr. Full Name (Last/First Name): Gomez/Agustin

Title: Wastewater Manager Credential: Class A Wastewater License

Organization Name: North Alamo Water Supply Corporation

Phone No: (956) 383-1618 Email: agomez@nawsc.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: North Alamo Water Supply Corporation Main Office Location within the building: Main Lobby

Physical Address of Building: 420 S. Doolittle Road.

City: Edinburg County: Hidalgo

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. Summary of Application in Plain Language Template – Complete and attach the Summary of Application in Plain Language Template (TCEQ Form 20972), also known as the plain language summary or PLS. Attachment: Form 20972

g. Complete and attach one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment. 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: RN101459154

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 (name known by the community where located): Lasara Reverse Osmosis Water Treatment Plant

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: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas 78542

Phone No: (956) 383-1618 Email: afterhrs@nawsc.com

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

f. Owner of land where treatment facility is or will be: North Alamo Water Supply Corporation

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

or Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas 78542

Phone No: (956) 383-1618 Email: afterhrs@nawsc.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

☒ Applicant's property boundaries

☒ Labeled point(s) of discharge

☐ Effluent disposal site boundaries

☐ Sewage sludge disposal site

☒ Three-miles downstream information

☒ Treatment facility boundaries

☒ Highlighted discharge route(s)

☐ All wastewater ponds

☐ New and future construction

Attachment: Click to enter text.

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): Raymondville

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

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: Click to enter text.

k. County in which the disposal site is located: Click to enter text.

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

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: WQ0004480000

Applicant Name: North Alamo Water Supply Corporation

Certification: I, Steve Krenek, 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): Steve Krenek

Signatory title: Board President

Signature: Steve Krenek (Use blue ink) Date: 9-2-2025

Subscribed and Sworn to before me by the said Steve Krenek

on this 2nd day of September, 2025.

My commission expires on the 26th day of June, 2029.

Susan J Headley

Notary Public

SUSAN J. HEADLEY
My Notary ID # 6801080
Expires June 26, 2029

[SEAL]

Hidalgo

County, Texas

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

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 600633713		**RN 101459154**

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy) 8/1/2025

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

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

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

North Alamo Water Supply Corporation

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
0022548901	17415953193	74-1595319	055115505

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

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

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

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

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

15. Mailing Address:	420 S. Doolittle Rd.							
	City	Edinburg	**State**	TX	**ZIP**	78542	**ZIP + 4**	9707

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

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(956) 383-1618		(956) 383-1372

SECTION III: Regulated Entity Information

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

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

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

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

Lasara Reverse Osmosis Water Treatment Plant

23. Street Address of the Regulated Entity: *(No PO Boxes)*	6606 Highway 186							
	City	Raymondville	**State**	TX	**ZIP**	78580	**ZIP + 4**	
24. County	Willacy							

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

25. Description to Physical Location:	

26. Nearest City	State	Nearest ZIP Code

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

27. Latitude (N) In Decimal:			28. Longitude (W) In Decimal:		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

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)
4941		221310	

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

Water Treatment

34. Mailing Address:	**420 S. Doolittle Rd.**

	City	Edinburg	State	TX	ZIP	78542	ZIP + 4	9707
35. E-Mail Address:	afterhrs@nawsc.com							
36. Telephone Number		**37. Extension or Code**		**38. Fax Number** *(if applicable)*				
(956) 383-1618				(956) 383-1372				

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0004480000			

SECTION IV: Preparer Information

40. Name:	Jose A. Rodriguez	**41. Title:**	Registered Sanitarian
42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(956) 330-9125		( ) -	xultex@yahoo.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:	North Alamo Water Supply Corporation	**Job Title:**	General Manager
Name *(In Print):*	Steven Sanchez	**Phone:**	(956) 383- **1618**
Signature:		**Date:**	9-2-2025

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

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.

North Alamo Water Supply Corporation (CN 600633713) operates the Lasara Reverse Osmosis water Treatment Plant 4 (RN101459154), a water purification plant. The facility is located at 6606 Highway 186, near Raymondville in Willacy County, Texas 78580.

North Alamo Water Supply Corporation has applied to the Texas Commission on Environmental Quality (TCEQ) to renew the permit that authorizes the discharge of wastes from the plant at a daily average flow not to exceed 1.0 million gallons per day (MGD) via Outfall 001.

Discharges from the facility are expected to contain a highly saline brine, salts, and other dissolved solids such as sodium chloride, manganese, iron, sodium sulfate, sodium bicarbonate, calcium sulfate and calcium bicarbonate.

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.

La Corporación de Abastecimiento de Agua North Álamo (CN 600633713) opera La Planta Potabilizadora de Ósmosis Inversa Lasara (RN101459154), un planta purificadora de agua. La planta está ubicada por la Carretera 186 Número 6606, cerca de la ciudad de Raymondville en el condado de Willacy, Texas código postal 78580.

La Corporación de Abastecimiento de Agua North Álamo ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el permiso que autoriza la descarga de aguas residuales de la planta en un volumen que no sobrepasa un flujo promedio diario de un 1.0 millones de galones por día por medio del Desagüe 001.

Se espera que las descargas de 1a planta contengan salmuera altamente salada, sales y otros sólidos disueltos como cloruro de sodio, manganeso, hierro, sulfato de sodio, bicarbonato de sodio, sulfato de calcio y bicarbonato de calcio.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LASARA QUADRANGLE
TEXAS
7.5 MINUTE SERIES (TOPOGRAPHIC)

6337 II SE (LINN)
6337 III SW (LA SAL VIEJA)
6337 III SE (YTURRIA)
6336 I NE (HARGILL)
6436 IV NE (RAYMONDVILLE)
6436 I SE (LA BLANCA)
6436 IV SW (EDCOUCH)
6436 IV NW (SANTA ROSA)

LA SAL VIEJA RANCH 4.5 MI.
LA SAL VIEJA 2.4 MI.
SAN MANUEL (U.S. 281) 8.7 MI.
RAYMONDVILLE (U.S. 77) 57 MI.
HARGILL 0.8 MI.
5.5 MI. TO U.S. 77
6.4 MI. TO U.S. 77
LYFORD 6.7 MI.
ELSA (TEX. 107) 6 MI.
EDCOUCH (TEX. 107) 6.7 MI.
7.4 MI. TO TEX. 107

Legend

- Outfall No. 001
- 3 Miles Downstream
- 1 Mile Radius
- Lasara Reverse Osmosis Water Treatment Plant
- WTP Boundary

Outfall No. 001 See Note
Lasara Reverse Osmosis Water Treatment Plant

MONTE ALTO RESERVOIR
Unit No 1
Unit No 2
Harbin Reservoir
Lasara
Monte Alto

HIDALGO CO
WILLACY CO

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS and U.S. Bureau of Reclamation

Culture and drainage in part compiled from aerial photographs taken 1953. Topography by planetable surveys 1957

Polyconic projection. 1927 North American datum
10,000-foot grid based on Texas coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 14, shown in blue

Revisions shown in purple compiled from aerial photographs taken 1970 This information not field checked

UTM GRID AND 1970 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION
Heavy-duty
Medium-duty
Light-duty
Unimproved dirt
State Route

QUADRANGLE LOCATION
TEXAS

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1977

DEC 2 1 1977
USGS
Historical File
Topographic Division

LASARA, TEX. 2700
N2622.5—W9752.5/7.5
1957
PHOTOREVISED 1970
AMS 6436 IV NW-SERIES V882

2697–233

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RAYMONDVILLE QUADRANGLE
TEXAS
7.5 MINUTE SERIES (TOPOGRAPHIC)

6437 II SW (LA SAL VIEJA)
6437 II SW (SAN PERLITA NORTH)
6436 IV NW (LASARA)
6436 I NW (SAN PERLITA SOUTH)
6436 IV SW (EDCOUCH)
6436 I SW (WILLAMAR SW)
6437 III SE (YTURRIA)
(SANTA ROSA) 6436 IV SE

97°52'30" — 97°45' — 26°30' — 27'30" — 25' — 26°22'30"

2 210 000 FEET — 2 240 000 FEET — 300 000 FEET — 260 000 FEET

2931 000m.N. — 2918 000m.N.

613 000m.E. — 624 000m.E.

5.5 MI. TO U.S. 77
KINGSVILLE 71 MI.
YTURRIA 5 MI.
SAN MANUEL (U.S. 281) 16 MI.
LASARA 3 MI.
SAN PERLITA 8 MI.
HARGILL 10 MI.
WILLAMAR 8.2 MI.
6.9 MI. TO TEX. 88
PORFIRIO 9.2 MI.
SEBASTIAN 22 MI.
HARLINGEN 14 MI.

3 Miles Downstream

WEST MAIN DRAIN
MAIN BRANCH NORTHEAST CANAL (ELEVATED)
MISSOURI PACIFIC
PIPELINE
DITCH
ELEVATED DITCH
Compressor Sta
Gas
Oil Well
Gas Wells
Gas and Oil
Well
Northward Sch
Northward Annex Sch
City Res
La Piedad Cementerio Numero Dos
La Piedad Cementerio Numero Uno
Sewage Disposal
Raymondville Cem
Sub Sta
SAN FRANCISCO AVE
HIDALGO AVE
RED FISH BAY ROAD
FIRST ST
FIFTH ST
RAYMONDVILLE
City Park
GEM AVE
SUNSET AVE
Water
High Sch
Landing Strip
Drive-in Theater
Trailer Park
Raymondville Country Club
Landing Field
Willacy County Housing Authority
Substation
Lyford
Travis Sch
Cem
PARKER ROAD
WILLACY CO
HIDALGO CO
(ISANTA ROSA) 6436 IV SE

Legend

3 Miles Downstream

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Culture and drainage in part compiled from aerial photographs taken 1953. Topography by planetable surveys 1956; and from 1:24 000 scale mapping by the Texas Reclamation Department 1937, revised 1956

Polyconic projection. 1927 North American datum
10,000-foot grid based on Texas coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 14, shown in blue

Red tint indicates area in which only landmark buildings are shown

To place on the predicted North American Datum 1983 move the projection lines 32 meters south and 28 meters east as shown by dashed corner ticks

MN
GN
0°32' 9 MILS
7½° 133 MILS
UTM GRID AND 1982 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Revisions shown in purple and woodland compiled from aerial photographs taken 1980 and other source data. This information not field checked. Map edited 1982

Purple tint indicates extension of urban areas

SCALE 1:24 000
1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

TEXAS
QUADRANGLE LOCATION

2697-234

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U.S. Route — State Route

RAYMONDVILLE, TEX.
N2622.5—W9745/7.5
1956
PHOTOREVISED 1982
DMA 6436 IV NE-SERIES V882

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1984

RETURN TO:
USGS NMD HISTORICAL MAP ARCHIVES

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: North Alamo Water Supply Corporation

   Permit No. WQ00 04480000 EPA ID No. TX 0125156

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

   6606 Highway 186, near Raymondville, Texas 78589

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: Steven Sanchez

Credential (P.E, P.G., Ph.D., etc.): Class B Surface Water Operator License

Title: General Manager

Mailing Address: 420 S. Doolittle Rd.

City, State, Zip Code: Edinburg, Texas 78542-9707

Phone No.: (956) 383-1618 Ext.: Click here to enter text. Fax No.: (956) 383-1372

E-mail Address: ssanchez@nawsc.com

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

Click here to enter text.

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.

Via outfall to the West Main Drain, thence to East Main Drain, thence to Laguna Madre in Segment No. 2491 of the Bays and Estuaries

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

No construction-related land use impacts are projected on this site.

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

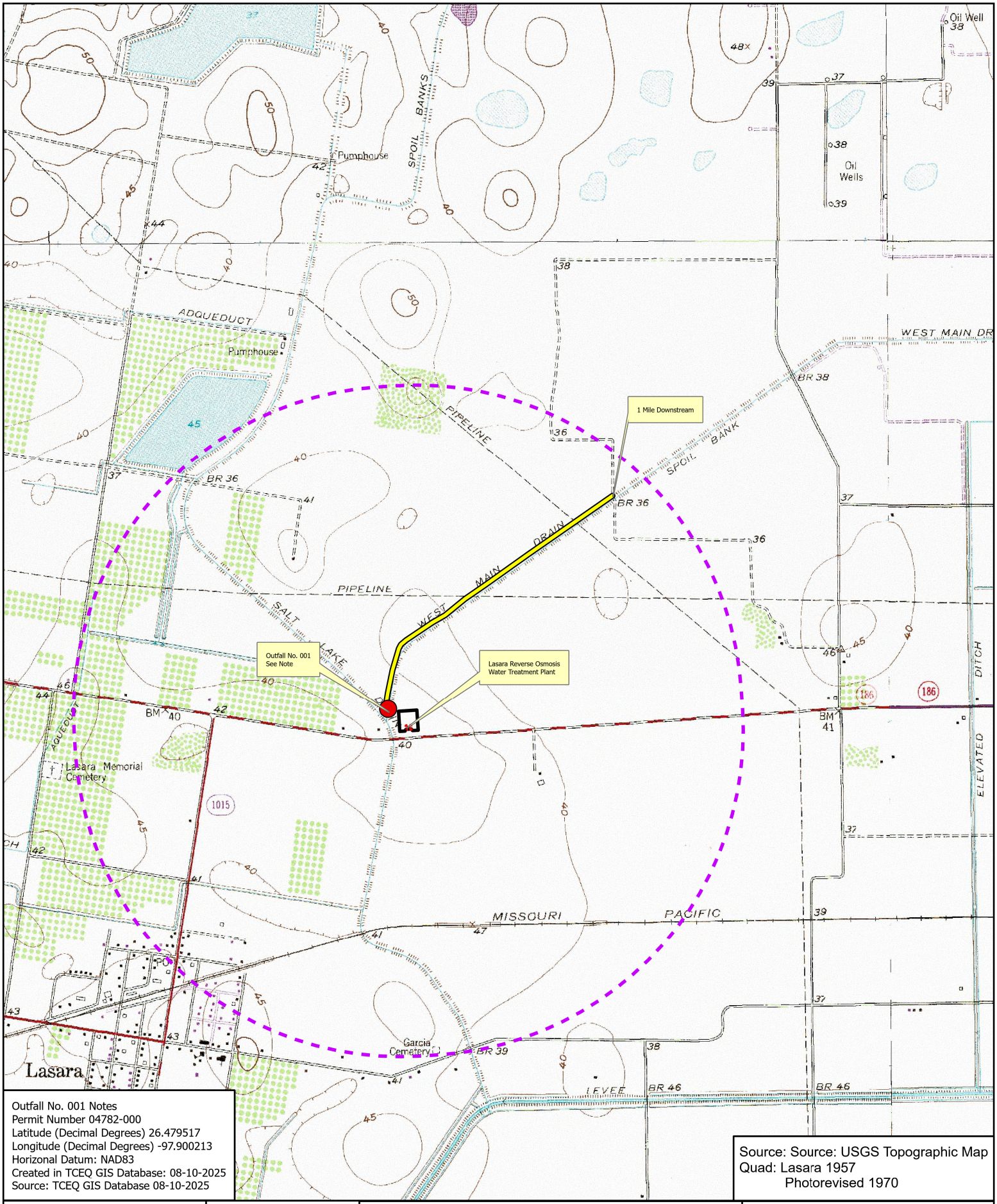
The site consists of a vacant lot with minimal vegetation consisting primarily of weeds.

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.

Click here to enter text.



Outfall No. 001 Notes
Permit Number 04782-000
Latitude (Decimal Degrees) 26.479517
Longitude (Decimal Degrees) -97.900213
Horizonal Datum: NAD83
Created in TCEQ GIS Database: 08-10-2025
Source: TCEQ GIS Database 08-10-2025

Source: Source: USGS Topographic Map
Quad: Lasara 1957
Photorevised 1970

N
W E
S
0 1,000 2,000
Feet

North Alamo Water
Supply Corporation
Lasara Reverse Osmosis
Water Treatment Plant
Different Map

Legend

- Outfall No. 001
- 1 Mile Downstream
- Lasara Reverse Osmosis Water Treatment Plant
- WTP Boundary
- 1 Mile Radius

Flight by Jose Salinas III
FAA Certified License
Part 107 Drone Pilot #4955071

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[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).

The facility processes raw brackish groundwater through a reverse osmosis system to supply potable water; SIC code 4941

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

The facility is a reverse osmosis (RO) membrane water treatment plant. The water plant consists of two cartridge filters and two high pressure feed pumps which feed raw groundwater into two separate reverse osmosis trains labeled "A" & "B." Each train produces 75% product and 25% concentrate reject water. Reject concentrate from each RO train pumps directly into the reject concentrate waste drain. The waste drain also receives effluent from sample instrumentation and clean in place (CIP) discharge. The discharge from the CIP is neutralized before being discharged into the drain. The CIP system is used to clean the membranes annually and exits through Outfall 001.

[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 N/A

Raw Materials	Intermediate Products	Final Products

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: Facility Map

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 Map 4803340425C

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: FEMA Map

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.

The facility uses a Clean-in Place (CIP) system to treat the reject water discharged from the reverse osmosis trains that flows into the reject concentrate waste drain. The waste drain also receives effluent from sample instrumentation and the CIP discharge. The discharge from the CIP is neutralized before being discharged into the drain that exits into Outfall 001.

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: Flow Diagram

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)				
Associated Outfall Number				
Liner Type (C) (I) (S) or (A)				
Alt. Liner Attachment Reference				
Leak Detection System, Y/N				
Groundwater Monitoring Wells, Y/N				
Groundwater Monitoring Data Attachment				
Pond Bottom Located Above The Seasonal High-Water Table, Y/N				
Length (ft)				
Width (ft)				
Max Depth From Water Surface (ft), Not Including Freeboard				
Freeboard (ft)				
Surface Area (acres)				
Storage Capacity (gallons)				
40 CFR Part 257, Subpart D, Y/N				
Date of Construction				

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/0r 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	26.479517	-97.900213

Outfall Location Description

Outfall No.	Location Description
001	Discharge from the RO plant flows west to Outfall 001. Outfall 001 consists of a 12”concrete pipe with riprap which flows into the adjacent drainage ditch.

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	1.0	1.0	1.0	1.0	Active

Outfall Discharge – Method and Measurement

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

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	N	Y	N	24 hrs.	All month	All year

Outfall Wastestream Contributions

Outfall No. 001

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
RO Concentrate Discharge	0.25	100

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

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: Click to enter text.

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			
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.

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				
Owner				
Operator				

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. Click to enter text.

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: Steven Sanchez

Title: General Manager

Signature: _____

Date: 9-2-2025

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)

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): 7/23/2025-8/14/2025

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:** Laboratory Results

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)	<2	<2	<2	<2
CBOD (5-day)	<2	<2	<2	<2
Chemical oxygen demand	74.0	66.0	93.0	57.0
Total organic carbon	0.95	53.6	45.9	1.49
Dissolved oxygen	3.17	3.18	3.07	2.92
Ammonia nitrogen	0.015	0.345	0.552	<0.014
Total suspended solids	10.8	7.60	2.80	2.80
Nitrate nitrogen	0.182	0.436	<7.00	<0.04
Total organic nitrogen	<0.02	<0.02	1.02	<0.02
Total phosphorus	0.414	0.460	0.418	0.442
Oil and grease	<1.51	<1.51	1.83	<1.51
Total residual chlorine	0.03	0.03	0.04	0.03

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
Total dissolved solids	9260	14100	13000	12700
Sulfate	3660	5970	4930	4010
Chloride	2490	3990	3560	5240
Fluoride	3.11	3.95	<18.0	3.71
Total alkalinity (mg/L as CaCO3)	352	452	438	424
Temperature (°F)	91.9	89.8	88.2	90.2
pH (standard units)	7.84	7.78	7.84	7.88

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	11.0	23.8	53.6	12.9	2.5
Antimony, total	0.33	0.44	<0.13	0.47	5
Arsenic, total	24.1	29.1	27.3	37.5	0.5
Barium, total	59.1	70.1	85.0	61.6	3
Beryllium, total	<0.06	<0.06	<0.06	<0.06	0.5
Cadmium, total	<0.03	0.05	0.03	0.05	1
Chromium, total	0.64	0.23	2.54	0.32	3
Chromium, hexavalent	0.8	<0.5	<0.5	<0.5	3
Chromium, trivalent	0.6	<0.5	2.54	<0.5	N/A
Copper, total	2.80	0.69	4.95	2.19	2
Cyanide, available	<0.69	<0.69	<0.69	<0.69	2/10
Lead, total	0.22	0.12	0.34	0.72	0.5
Mercury, total	0.000228	0.000199	0.000434	0.000322	0.005/0.0005
Nickel, total	2.39	0.63	4.59	1.23	2
Selenium, total	<0.31	1.88	0.72	1.33	5
Silver, total	0.14	<0.13	0.16	<0.13	0.5
Thallium, total	<0.06	<0.06	<0.06	<0.06	0.5
Zinc, total	12.0	6.98	26.1	90.7	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.: 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
2,4,5-Trichlorophenol					50

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
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 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.: Click to enter text. **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
E. coli (cfu or MPN/100 mL)					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
Diuron					0.090
Endosulfan I (*alpha*)					0.01
Endosulfan II (*beta*)					0.02
Endosulfan sulfate					0.1

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Endrin					0.02
Guthion [Azinphos methyl]					0.1
Heptachlor					0.01
Heptachlor epoxide					0.01
Hexachlorocyclohexane (*alpha*)					0.05
Hexachlorocyclohexane (*beta*)					0.05
Hexachlorocyclohexane (*gamma*) [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	☒	☐	9.74	12.5	13.6	11.9	400
Color (PCU)	☒	☐	<5	<5	<5	<5	—
Nitrate-Nitrite (as N)	☒	☐	0.128	0.102	0.013	1.16	—
Sulfide (as S)	☒	☐	<0.01	<0.01	<0.01	<0.01	—
Sulfite (as SO3)	☒	☐	<5.00	6.00	<5.00	<5.00	—
Surfactants	☒	☐	0.0890	ND	ND	0.0620	—
Boron, total	☒	☐	3.92	4.53	4.47	4.87	20
Cobalt, total	☒	☐	0.00027	0.00007	0.00037	0.00006	0.3
Iron, total	☒	☐	0.0460	0.0740	0.0820	0.0590	7
Magnesium, total	☒	☐	90.2	135	110	123	20
Manganese, total	☒	☐	0.0401	0.0524	0.0553	0.0491	0.5
Molybdenum, total	☒	☐	0.117	0.154	0.177	0.138	1
Tin, total	☒	☐	<0.01	<0.01	<0.01	<0.01	5
Titanium, total	☒	☐	0.00119	0.00061	0.00188	0.00030	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
☐ Adhesives and Sealants		☐ Yes	☐ Yes	☐ Yes	No
☐ Aluminum Forming	467	☐ Yes	☐ Yes	☐ Yes	No
☐ Auto and Other Laundries		☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Battery Manufacturing	461	☐ Yes	No	☐ Yes	No
☐ Coal Mining	434	No	No	No	No
☐ Coil Coating	465	☐ Yes	☐ Yes	☐ Yes	No
☐ Copper Forming	468	☐ Yes	☐ Yes	☐ Yes	No
☐ Electric and Electronic Components	469	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Electroplating	413	☐ Yes	☐ Yes	☐ Yes	No
☐ Explosives Manufacturing	457	No	☐ Yes	☐ Yes	No
☐ Foundries		☐ Yes	☐ Yes	☐ Yes	No
☐ Gum and Wood Chemicals - Subparts A,B,C,E	454	☐ Yes	☐ Yes	No	No
☐ Gum and Wood Chemicals - Subparts D,F	454	☐ Yes	☐ Yes	☐ Yes	No
☐ Inorganic Chemicals Manufacturing	415	☐ Yes	☐ Yes	☐ Yes	No
☐ Iron and Steel Manufacturing	420	☐ Yes	☐ Yes	☐ Yes	No
☐ Leather Tanning and Finishing	425	☐ Yes	☐ Yes	☐ Yes	No
☐ Mechanical Products Manufacturing		☐ Yes	☐ Yes	☐ Yes	No
☐ Nonferrous Metals Manufacturing	421,471	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Oil and Gas Extraction - Subparts A, D, E, F, G, H	435	☐ Yes	☐ Yes	☐ Yes	No
☐ Ore Mining - Subpart B	440	No	☐ Yes	No	No
☐ Organic Chemicals Manufacturing	414	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Paint and Ink Formulation	446,447	☐ Yes	☐ Yes	☐ Yes	No
☐ Pesticides	455	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Petroleum Refining	419	☐ Yes	No	No	No
☐ Pharmaceutical Preparations	439	☐ Yes	☐ Yes	☐ Yes	No
☐ Photographic Equipment and Supplies	459	☐ Yes	☐ Yes	☐ Yes	No
☐ Plastic and Synthetic Materials Manufacturing	414	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Plastic Processing	463	☐ Yes	No	No	No
☐ Porcelain Enameling	466	No	No	No	No
☐ Printing and Publishing		☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Pulp and Paperboard Mills - Subpart C	430	☐ *	☐ Yes	☐ *	☐ Yes
☐ Pulp and Paperboard Mills - Subparts F, K	430	☐ *	☐ Yes	☐ *	☐ *
☐ Pulp and Paperboard Mills - Subparts A, B, D, G, H	430	☐ Yes	☐ Yes	☐ *	☐ *
☐ Pulp and Paperboard Mills - Subparts I, J, L	430	☐ Yes	☐ Yes	☐ *	☐ Yes
☐ Pulp and Paperboard Mills - Subpart E	430	☐ Yes	☐ Yes	☐ Yes	☐ *
☐ Rubber Processing	428	☐ Yes	☐ Yes	☐ Yes	No
☐ Soap and Detergent Manufacturing	417	☐ Yes	☐ Yes	☐ Yes	No
☐ Steam Electric Power Plants	423	☐ Yes	☐ Yes	No	No
☐ Textile Mills (Not Subpart C)	410	☐ Yes	☐ Yes	☐ Yes	No
☐ Timber Products Processing	429	☐ Yes	☐ Yes	☐ Yes	☐ 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

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 (Ronnel) 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 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: The distance and direction from the outfall to the drinking water supply intake:

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: West Main Drain

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: None

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: Constant little stream of about 1 ft. depth; used primarily to dispose of irrigation tail waters and agricultural subsurface drainage systems; periodically cleaned of all vegetation

Date and time of observation: 5/6/2025-11:00 a.m.

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):

☐ oil field activities
☒ urban runoff
☒ agricultural runoff
☐ septic tanks
☐ upstream discharges
☐ other, specify: Click to enter text.

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

☐ livestock watering
☐ industrial water supply
☐ non-contact recreation
☐ irrigation withdrawal
☐ domestic water supply
☐ navigation
☐ contact recreation
☐ picnic/park activities
☐ fishing
☐ 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 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	0	
SIU – Non-categorical	0	
Other IU	0	

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: N/A

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?

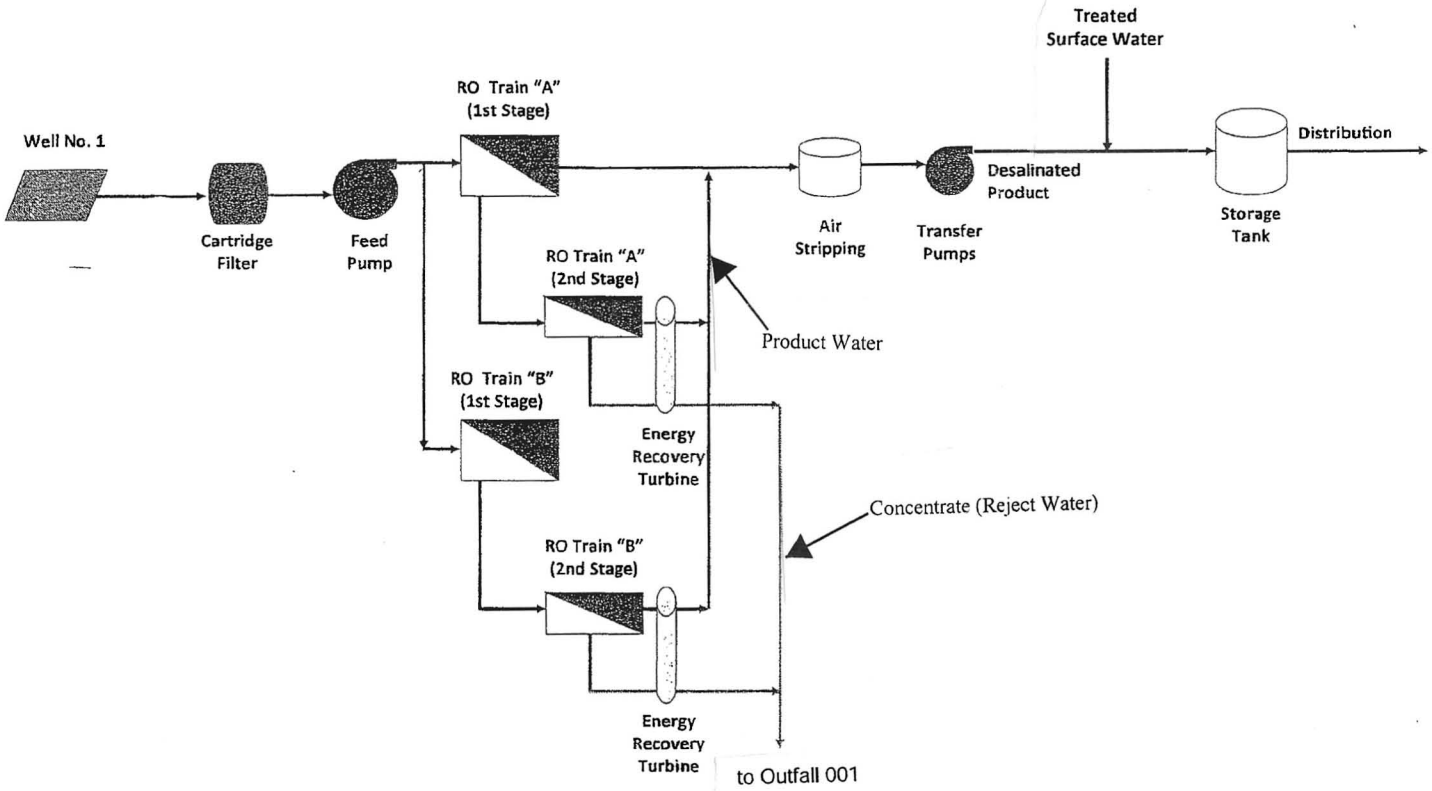
   ☐ Yes ☐ No

   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.

Flow Diagram

North Alamo Water Supply Corporation

Lasara RO Water Treatment Plant



Outfall No. 001 Notes
Permit Number 04782-000
Latitude (Decimal Degrees) 26.479517
Longitude (Decimal Degrees) -97.900213
Horizonal Datum: NAD83
Created in TCEQ GIS Database: 08-10-2025
Source: TCEQ GIS Database 08-10-2025

Source: USDA NAIP Aerial 2022
Flight 06-28-2025
North Alamo Water Supply Corporation GIS Database 2025

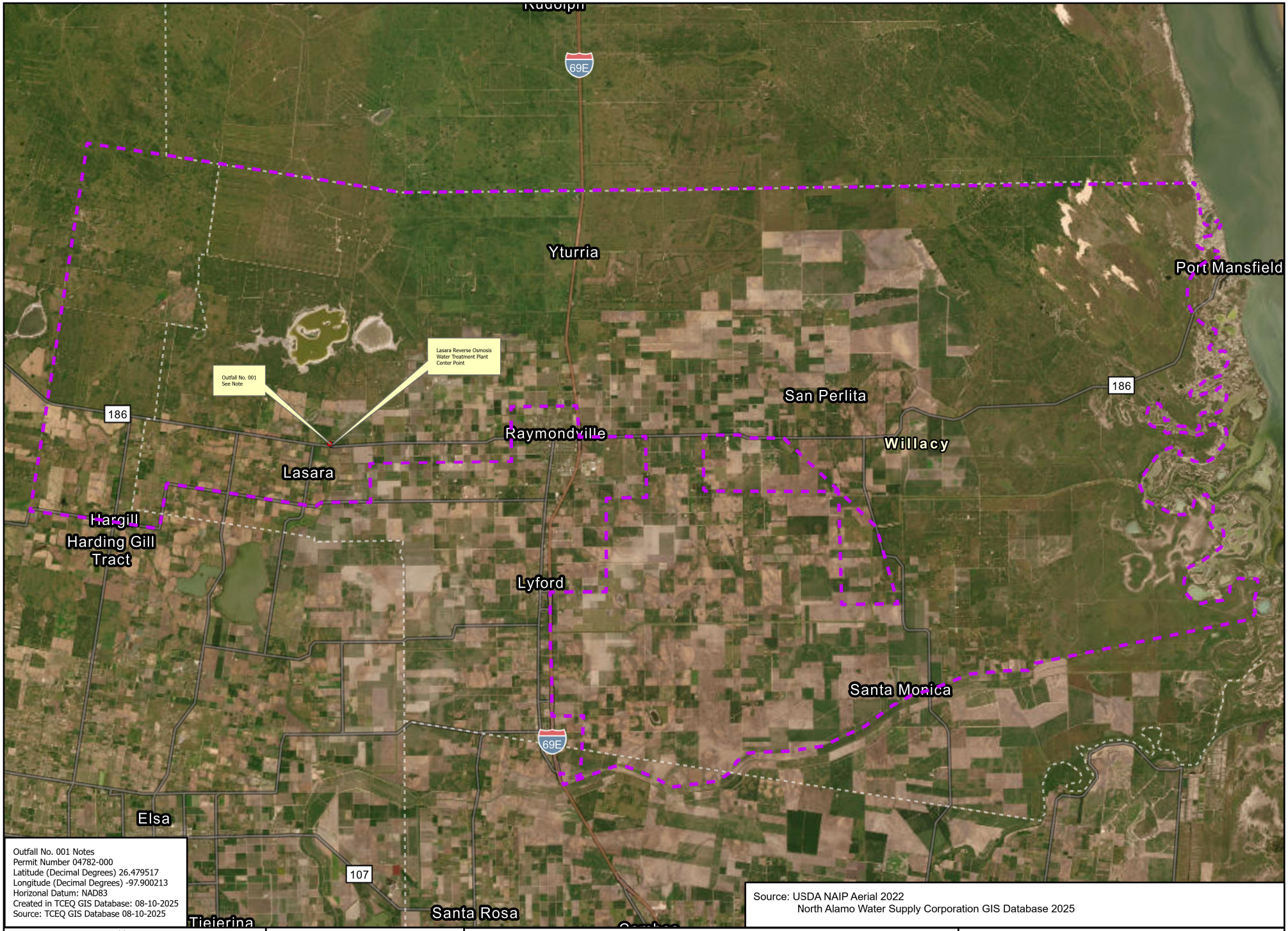
N
W E
S
0 50 100
Feet

North Alamo Water Supply Corporation
Lasara Reverse Osmosis Water Treatment Plant
Site Map

Legend

- Outfall No. 001
- Lasara Reverse Osmosis Water Treatment Plant
- WTP Boundary
- 150' Buffer

Flight by Jose Salinas III
FAA Certified License
Part 107 Drone Pilot #4955071


Rudolph
69E
Yturria
Port Mansfield
Outfall No. 001
See Note
Lasara Reverse Osmosis
Water Treatment Plant
Center Point
186
San Perlita
186
Raymondville
Willacy
Lasara
Hargill
Harding Gill
Tract
Lyford
Santa Monica
69E
Elsa
107
Santa Rosa
Tiejerina
Outfall No. 001 Notes
Permit Number 04782-000
Latitude (Decimal Degrees) 26.479517
Longitude (Decimal Degrees) -97.900213
Horizonal Datum: NAD83
Created in TCEQ GIS Database: 08-10-2025
Source: TCEQ GIS Database 08-10-2025
Source: USDA NAIP Aerial 2022
North Alamo Water Supply Corporation GIS Database 2025
N
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2
4
Miles
North Alamo Water
Supply Corporation
Lasara Reverse Osmosis
Water Treatment Plant
Service Area Map
Legend
Lasara Reverse Osmosis
Water Treatment Plant
Service Area
Lasara Reverse Osmosis
Water Treatment Plant
WTP Boundary
Outfall No. 001

Laboratory Analysis Report

Total Number of Pages: 15

Job ID : 25072361

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
La Sara RO Discharge Permit Renewal

Report To :	Client Name:	North Alamo Water Supply	P.O.#.:	
	Attn:	Roland Zamora	Sample Collected By:	Saul Leal
	Client Address:	420 S. Doolittle Rd.	Date Collected:	07/23/25
	City, State, Zip:	Edinburg, Texas, 78539		

Client Sample ID	Matrix	A&B Sample ID
La Sara RO Discharge	Water	25072361.01

This analysis was subcontracted to :
ALS Laboratory Group, 10450 Stancliff Rd, Suite 210
Houston, Texas, 77099-4338

Released By: Ashley Arnett
Title: Project Manager

Date: 07/28/2025

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

ab-q210-0321

Date Received : 07/24/2025 10:11

25.1.31577

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

July 25, 2025

Shantall Carpenter
A & B Labs
10100 East Freeway
Suite 100
Houston, TX 77029

Work Order: **HS25071305**

Laboratory Results for: **25072361**

Dear Shantall Carpenter,

ALS Environmental received 1 sample(s) on Jul 24, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Andy C. Neir

Client: A & B Labs
Project: 25072361
Work Order: HS25071305

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25071305-01	25072361.01/La Sara RO Discharge	Water		23-Jul-2025 15:00	24-Jul-2025 15:36	☐

RIGHT SOLUTIONS | RIGHT PARTNER

Client: A & B Labs **CASE NARRATIVE**
Project: 25072361
Work Order: HS25071305

WetChemistry by Method SM5540C

Batch ID: 230899

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

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Client: A & B Labs
Project: 25072361
Sample ID: 25072361.01/La Sara RO Discharge
Collection Date: 23-Jul-2025 15:00

ANALYTICAL REPORT
WorkOrder:HS25071305
Lab ID:HS25071305-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
SURFACTANTS (MBAS) BY SM5540C		**Method:SM5540C**		Prep:SM5540C / 25-Jul-2025		Analyst: MH
MBAS	**0.0890**		**0.0500**	**mg/L 340 MW LAS**	1	25-Jul-2025 11:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

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Weight / Prep Log

Client: A & B Labs
Project: 25072361
WorkOrder: HS25071305

Batch ID: 230899 **Start Date:** 25 Jul 2025 09:50 **End Date:** 25 Jul 2025 09:50
Method: MBAS - PREPARATION **Prep Code:** MBAS_PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25071305-01		400 (mL)	400 (mL)	1	1-L plastic, Neat

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Client: A & B Labs
Project: 25072361
WorkOrder: HS25071305

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 230899 (0)	**Test Name :** SURFACTANTS (MBAS) BY SM5540C				**Matrix:** Water	
HS25071305-01	25072361.01/La Sara RO Discharge	23 Jul 2025 15:00		25 Jul 2025 09:50	25 Jul 2025 11:01	1

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Client: A & B Labs
Project: 25072361
WorkOrder: HS25071305

QC BATCH REPORT

Batch ID: 230899 (0) **Instrument: UV-2450** **Method: SURFACTANTS (MBAS) BY SM5540C**

MBLK Sample ID: **MBLK-230899** Units: **mg/L 340 MW LAS** Analysis Date: **25-Jul-2025 11:01**
Client ID: Run ID: **UV-2450_518385** SeqNo: **8957090** PrepDate: **25-Jul-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	ND	0.0500								

LCS Sample ID: **LCS-230899** Units: **mg/L 340 MW LAS** Analysis Date: **25-Jul-2025 11:01**
Client ID: Run ID: **UV-2450_518385** SeqNo: **8957088** PrepDate: **25-Jul-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.488	0.0500	0.5	0	97.6	85 - 115				

LCSD Sample ID: **LCSD-230899** Units: **mg/L 340 MW LAS** Analysis Date: **25-Jul-2025 11:01**
Client ID: Run ID: **UV-2450_518385** SeqNo: **8957089** PrepDate: **25-Jul-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.484	0.0500	0.5	0	96.8	85 - 115	0.488	0.823	20	

MS Sample ID: **HS25071305-01MS** Units: **mg/L 340 MW LAS** Analysis Date: **25-Jul-2025 11:01**
Client ID: **25072361.01/La Sara RO Discharge** Run ID: **UV-2450_518385** SeqNo: **8957087** PrepDate: **25-Jul-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.572	0.0500	0.5	0.089	96.6	80 - 120				

The following samples were analyzed in this batch: HS25071305-01

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Client: A & B Labs
Project: 25072361
WorkOrder: **HS25071305**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

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CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2026
Arkansas	88-00356_2024	17-Mar-2026
California	2919 - 2025	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Dept of Defense	L24-240	30-Apr-2026
Florida	E87611-2025	30-Jun-2026
Illinois	200032 - 2025	31-Jul-2026
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043-2025	30-Apr-2026
Louisiana	03087-2025	30-Jun-2026
Maine	2024017	23-Jun-2026
Michigan	9971-2025	30-Apr-2026
Minnesota	2856348	31-Dec-2025
Missouri	136	30-Sep-2026
Nebraska	NE-OS-25-13 - 2025	30-Apr-2026
Nevada	NV-C24-00224 / 2024	31-Jul-2025
New Hampshire	209425	24-Apr-2026
New Jersey	TX008-2025	30-Jun-2026
New York	11707 - 2025	01-Apr-2026
North Carolina	624 - 2024	31-Dec-2025
North Dakota	R-193 2023-2024	30-Sep-2025
Oklahoma	2023-140	31-Aug-2025
Oregon	TX200002-013	15-May-2026
Pennsylvania	019	01-Jul-2026
Tennessee	TN	30-Apr-2026
Texas	T104704231 TX-C24-00130	30-Apr-2026
Utah	TX026932023-14	31-Jul-2025

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Sample Receipt Checklist

Work Order ID: HS25071305 **Date/Time Received:** **24-Jul-2025 15:36**

Client Name: AB_Labs_Hou **Received by:** **Paresh M. Giga**

Completed By:	/S/ Paresh M. Giga	24-Jul-2025 16:11	**Reviewed by:**	/S/ Beverly Mustafa	25-Jul-2025 08:22
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Water** Carrier name: **Client**

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 ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:none
Samplers name present on COC?	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 ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.5C U/C	IR37	
Cooler(s)/Kit(s):	Blue		
Date/Time sample(s) sent to storage:	7/24/25 16:20		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

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The Chain of Custody is a Legal Document

Page _____ of _____

10100 East Freeway (I-10) Houston, TX 77029 713-453-6060 1-877-478-6060 Toll Free 713-453-6091 Fax info@ablabs.com www.ablabs.com	**1. Send To:**	**Report To:**	**3. PO # 55738 / 25072361**	
	ALS Environmental	A&B Labs	**4. Turnaround Time (Business Days)**	
	10450 Stancliff Rd. Ste 210	10100 East Frwy, Ste 100	**STANDARD TAT: X**	
	Houston, TX 77099	Houston, TX 77029		
	Contact:	Contact: Project Managers		
	Phone:	Phone: 713-453-6060		
	Fax:	Fax:		
A&B JOB ID		Email: reports@ablabs.com		
5. Project #	Email CC:	Email CC:		

6. Project Name / Location

7. Reporting Requirement

☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II

PLEASE EMAIL INVOICE TO: ACCOUNTSPAYABLE@ABLABS.COM

9. Sample ID & Description	Lab Use Only	**10. Sampling** Date	Time	**11.** comp	grab	**12. Matrix** Water	Soil	Sludge	Oil	Air	other	**13. No. of Containers**	Surfactants	P	C				**14. Containers***	**15. Preservatives****	**16. pH-Lab Only**	**18. Comments**
25072361.01 / La Sara RO Discharge		7/23/2025	15:00	X		X						1	X									

HS25071305
A & B Labs
25072361

19. RELINQUISHED BY	DATE	TIME	**20. RECEIVED BY**	DATE	TIME	KNOWN HAZARDS / COMMENTS:
1)	7-24-25	1536		7/24/25	15:36	
2)						
3)						

* Containers: **VOA-** 40 ml vial **A/G-** Amber/Glass 1 Liter
4 oz/8 oz- glass wide mouth **P/O-** Plastic/other _____

Preservatives: **C-Cool **H-** HCl **N-** HNO3 **S-**H2SO4 **OH-** NaOH **T-**Na2S2O3 **X-** Other____

Temperature: _____
Intact? ☐ Y ☐ N
Initials _____

BILL OF LADING/TRACKING #

METHOD OF SHIPMENT

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

Samples will be disposed of after 21 days.
A&B reserves the right to return samples.

ab-s054 062212

Bill 1.5% $34 CIF

RIGHT SOLUTIONS | RIGHT PARTNER

Chain of Custody is a Legal Document

Job ID:25072361

07/24/2025 North Alamo Water Supply ANA

www.ablabs.com

1. REPORT TO:	2. INVOICE TO:	3. PO # QT25062703
North Alamo Water Supply		4. Turnaround Time- Business Days
420 S. Doolittle Rd.	On file	☐ 1 Day * ☐ 5 Days *
Edinburg, TX 78542		☐ 2 Days * ☑ 7 Days-Standard
Roland Zamora		☐ 3 Days * ☐ Other _____
956-651-0400		* Surcharge Applies
Dist List		*Day Zero is the day sample is received. Report due at 5pm on due day.*

A&B JOB ID

5. Project #

6. Project Name / Location: La Sara RO Discharge Permit Renewal

7. Reporting Requirement: ☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☑ MDL Rpt

8. Sampler's Name & Co: INEOS/ Saul Ivan North Alamo Water Supply — Sampler's Signature & Date: 7-23-25

9. Sample ID & Description	Lab Use Only	10. Sampling Date	10. Sampling Time	11. comp	11. grab	12. Matrix Water	12. Matrix Soil	13. Total No. of Containers	BOD, CBOD, TDS, TSS, HexCr_Low, Color, Surfactants_SUB, Alkalinity	Low Level Mercury	Metals 200.8, Metals 200.7, Metals_Blist 200.7, TnCr_Low	Sulfide - (if not done in the field)	Ammonia, TOC, TON, COD, TKN, Phosphorus, NO3+NO2	***Anions 300.0	O&G_HEM	Cyanide_Amenable Ultra Low	Sulfide	*Field Tests - Ph, Temp, Chlorine, DO, Sulfite	14. Containers** / 15. Preservatives** / 16. pH-Lab Only / 18. Comments
								4 P C	3 VOA H	1 P N	1 P C	1 P S	1 P C	1 P S	2 G OH,X	1 P OH,ZnA	1 P		
La Sara RO Discharge	01AO	7-23-25	1500	X		X		15	X	X	X	X	X	X	X	X	X	X	
Field Blank	02AC	7-23-25	1520		X	X		3		X									

*Metals 200.8 - Al,Sb,As,Ba,Be,Cd,Co,Cr,Cu,Pb,Mn,Mo,Ni,Se,Ag,Tl,Ti,Zn
Metals 200.7 - B,Fe,Mg
Metals_Blist 200.7 - Tin

pH 7.84
Temp 91.9°F
Chlorine .03 mg/L
DO 3.17 mg/L
Sulfite _____

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1) Saul Ivan	7-23-25	1730	1) Fedex		
2) Fedex	7/24/25	1011	2) Brinda	7-24-25	1011
3)			3)		

***Anions: Bromide, Chloride, Fluoride, Nitrate, Sulfate

* Containers: VOA- 40 ml vial; 4 oz/8 oz- glass wide mouth; A/G- Amber/Glass 1 Liter; P/O- Plastic/other _____

**Preservatives: C-Cool H- HCl N- HNO3 S-H2SO4 OH- NaOH T-Na2S2O3 X- Other: NaAsO2

Temperature: 4.2 1210
Intact? ☑ Y ☐ N
Initials BO

BILL OF LADING/TRACKING #

METHOD OF SHIPMENT

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

SHORT HOLD TIMES: Color, HexCr - 24hr / BOD, CBOD, Nitrate, Surfactant - 48hr

ORIGIN ID:MFEA (956) 533-1193
ROLAND ZAMORA
NORTH ALAMO WATER SUPPLY
420 S. DOOLITTLE RD.

EDINBURG, TX 78539
UNITED STATES US

SHIP DATE: 22JUL25
ACTWGT: 30.00 LB
CAD: 251130814/INET4535

TO **REVATHI PONNAMBALAM**
A&B ENVIRONMENTAL SERVICES
10100 EAST FWY STE 100

HOUSTON TX 77029
(713) 453-6060 REF:
INV:
PO: DEPT:

58GJ5999C7759F2

RMA:

FedEx Express

RETURNS MON-FRI
PRIORITY OVERNIGHT

TRK# 0221 **7918 5912 4410**

77029

TX-US

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Sample Condition Checklist

A&B JobID : **25072361**	Date Received : **07/24/2025**	Time Received : **10:11AM**
Client Name : **North Alamo Water Supply**		
Temperature : **4.2**	Sample pH : **<2 NH3, TKN, TON, TOC, COD, P, NO3NO2, Metals >9 S**	
Thermometer ID : **IR10**	pH Paper ID : **127328**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**		X	
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**	X		

Comments : Include actions taken to resolve discrepancies/problem:

CN: NaOH+NaAsO2. Sulfide contains no headspace. ~KS 07/24/25

Brought by : FedEx

Received by : KSmith

Check in by/date : KSmith / 07/24/2025

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 39

Job ID : 25072361

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
La Sara RO Discharge Permit Renewal

Report To :	Client Name:	North Alamo Water Supply	P.O.#.:
	Attn:	Roland Zamora	Sample Collected By: Saul Leal
	Client Address:	420 S. Doolittle Rd.	Date Collected: 07/23/25
	City, State, Zip:	Edinburg, Texas, 78539	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
La Sara RO Discharge	Water	25072361.01
Field Blank	Water	25072361.02
La Sara RO Discharge - Recheck	Water	25072361.03

Released By: Ashley Arnett
Title: Project Manager
Date: 08/21/2025

This Laboratory is NELAP (T104704213-23-31) accredited. Effective: 04/01/2025; Expires: 03/31/2026
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

ab-q210-0321

Date Received : 07/24/2025 10:11

25.1.27500

Report Number: RPT250821032

Laboratory Report: Case Narrative

A&B Job ID: 25072361

Date: 08/21/25

Client Name:	North Alamo Water Supply	Attn: Roland Zamora
Project Name:	La Sara RO Discharge Permit Renewal	
Date Received:	07/24/25	
Collected By:	Saul Leal	

25072361.01 Hexavalent Chromium was reported slightly higher than Total Chromium; The sample was reanalyzed and the results are very similar.

Please do not hesitate to contact us with any questions or concerns regarding your laboratory report. A&B Labs is pleased to be of service to you and we look forward to fulfilling all of your future analytical needs.

Released By: Ashley Arnett

Title: Project Manager

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 25072361

Date: 8/21/2025

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RLU	Relative Light Unit
J	Estimation. Below calibration range but above MDL	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
LOD	Limit of detection adjusted for %M + DF	SQL	Sample Quantitation Limit
LOQ	Limit of Quantitation adjusted for %M + DF	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight	UQL	Unadjusted Upper Quantitation Limit
MQL	Unadjusted Minimum Quantitation Limit		

Qualifier Definition

D1	Sample required dilution due to matrix effects.
H1	Sample analysis performed past holding time.
H2	Initial analysis within holding time. Re-analysis was past holding time.
H3	Sample was received and analyzed past holding time.
J	Estimation. Below calibration range but above MDL.
M6	Sample concentration high, more than 4X spike concentration. Control limits do not apply.
M8	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits.
U	Undetected at SDL (Sample Detection Limit).

LABORATORY TEST RESULTS

Job ID : 25072361

Date 8/21/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: La Sara RO Discharge Permit Renewal

Client Sample ID: La Sara RO Discharge
Date Collected: 07/23/25
Time Collected: 15:00
Other Information:

Job Sample ID: 25072361.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 1664B										
	Oil & Grease	<1.51	mg/L	1.08	1.51	2.70		U	07/25/25 10:22	NA
SM 2120B	True Color									
	Color	<5	PCU	1	5	5		H1,U	07/24/25 15:35	KL
SM 2320B	Alkalinity									
	Alkalinity	352	mg CaCO3/L	1	3.36	20.0			07/29/25 17:00	DPK
SM 2540C	Total Dissolved Solids									
	TDS	9260	mg/L	10	34.0	100			07/24/25 15:00	AL
SM 2540D	Total Suspended Solids									
	TSS	10.8	mg/L	0.400	1.0	1.0			07/24/25 18:01	AL
EPA 300.0	Anions									
	Fluoride	3.11	mg/L	2.00	0.04	0.200			07/24/25 17:42	KPE
	Chloride	2490	mg/L	500.00	9.00	50.0			07/24/25 18:37	KPE
	Bromide	9.74	mg/L	2.00	0.04	0.200			07/24/25 17:42	KPE
	Nitrate-N	0.182	mg/L	2.00	0.01	0.200		D1,J	07/24/25 17:42	KPE
	Sulfate	3660	mg/L	500.00	5.00	50.0			07/24/25 18:37	KPE
SM 4500CN-CG	Cyanide, Amenable Ultra Low									
	Cyanide, Amenable	<0.00069	mg/L	1	0.00069	0.00200		U	07/30/25 13:21	SKC
EPA 350.1										
	Ammonia as N	0.015	mg/L	1.00	0.014	0.100		J	07/25/25 00:05	SKC
SM 3500Cr B										
	Chromium, Hexavalent	0.0008	mg/L	1	0.0005	0.00100		J	07/24/25 11:30	SS
SM 3500Cr B										
	Chromium, Trivalent[2]	0.0006	mg/L	1	0.0005	0.00100		J	07/28/25 09:00	SS
EPA 351.2	Total Kjeldahl Nitrogen									
	TKN	0.06	mg/L	1.00	0.02	0.200		J	07/24/25 17:48	SKC
EPA 351.2/350.3/351.4/350.1										
	Total Organic Nitrogen	<0.02	mg/L	1	0.02	0.500		U	07/25/25 15:20	SKC
EPA 353.2	Nitrate+Nitrite Nitrogen by Automated Colorimetry									
	Nitrate/Nitrite as N	0.128	mg/L	1.00	0.007	0.020			07/29/25 00:40	SKC
SM 4500P-E	Phosphorus									
	Phosphorus	0.414	mg/L	1	0.01	0.0500			07/30/25 15:15	KL
SM 4500-S D	Sulfide									

ab-q212-0321

LABORATORY TEST RESULTS

Job ID : 25072361

Date 8/21/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: La Sara RO Discharge Permit Renewal

Client Sample ID: La Sara RO Discharge
Date Collected: 07/23/25
Time Collected: 15:00
Other Information:

Job Sample ID: 25072361.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
SM 4500-S D	Sulfide									
	Sulfide	<0.01	mg/L	1	0.01	0.0500		U	07/29/25 10:00	KL
SM 4500SO3-B	Reducing Agents, as Sulfite									
	Sulfite	<5.00	mg/L	1	5.00	5.00		H3,U	07/24/25 10:30	AD
SM 5210B	Biochemical Oxygen Demand (BOD5)									
	BOD	<2	mg/L	1	2	2		U	07/24/25 18:00	SP
SM 5210B	Carbonaceous Biochemical Oxygen Demand									
	CBOD	<2	mg/L	1	2			U	07/25/25 08:00	SP
SM 5220D	Chemical Oxygen Demand									
	COD	74.0	mg/L	1	2.4	10.0			07/25/25 11:05	SP
SM 5310B	Total Organic Carbon									
	TOC	0.95	mg/L	1	0.61	1.00		J	07/31/25 09:00	KL
EPA 1631E	CVAFS									
	Mercury	0.22800	ng/L	1	0.042000	0.25000		J	07/28/25 10:00	AK
EPA 200.7	Total Recoverable Metals									
	Boron	3.92	mg/L	1	0.003	0.0100			07/25/25 15:30	RT
	Iron	0.0460	mg/L	1	0.003	0.0100			07/25/25 15:30	RT
	Magnesium	90.2	mg/L	100	0.999	2.00			07/25/25 17:26	RT
EPA 200.7	Total Recoverable Metals									
	Tin	<0.01	mg/L	1	0.01	0.01		U	07/25/25 15:30	RT
EPA 200.8	Metals by ICP/MS									
	Aluminum	0.0110	mg/L	1.00	0.00079	0.00100			07/25/25 13:58	DRS
	Antimony	0.00033	mg/L	1.00	0.00013	0.00050		J	07/25/25 13:58	DRS
	Arsenic	0.0241	mg/L	1.00	0.00003	0.00025			07/25/25 13:58	DRS
	Barium	0.0591	mg/L	1.00	0.00009	0.00050			07/25/25 13:58	DRS
	Beryllium	<0.00006	mg/L	1.00	0.00006	0.00025		U	07/25/25 13:58	DRS
	Cadmium	<0.00003	mg/L	1.00	0.00003	0.00025		U	07/25/25 13:58	DRS
	Chromium	0.00064	mg/L	1.00	0.00013	0.00025			07/25/25 13:58	DRS
	Cobalt	0.00027	mg/L	1.00	0.00006	0.00025			07/25/25 13:58	DRS
	Copper	0.00280	mg/L	1.00	0.00009	0.00050			07/25/25 13:58	DRS
	Lead	0.00022	mg/L	1.00	0.00003	0.00025		J	07/25/25 13:58	DRS
	Manganese	0.0401	mg/L	1.00	0.00006	0.00050			07/25/25 13:58	DRS
	Molybdenum	0.117	mg/L	1.00	0.00009	0.00025			07/25/25 13:58	DRS
	Nickel	0.00239	mg/L	1.00	0.00038	0.00025			07/25/25 13:58	DRS
	Selenium	<0.00031	mg/L	1.00	0.00031	0.00100		U	07/25/25 13:58	DRS

LABORATORY TEST RESULTS

Job ID : 25072361

Date 8/21/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: La Sara RO Discharge Permit Renewal

Client Sample ID: La Sara RO Discharge
Date Collected: 07/23/25
Time Collected: 15:00
Other Information:

Job Sample ID: 25072361.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 200.8	Metals by ICP/MS									
	Silver	0.00014	mg/L	1.00	0.00013	0.00050		J	07/25/25 13:58	DRS
	Thallium	<0.00006	mg/L	1.00	0.00006	0.00025		U	07/25/25 13:58	DRS
	Titanium	0.00119	mg/L	1.00	0.00013	0.00025			07/25/25 13:58	DRS
	Zinc	0.0120	mg/L	1.00	0.00047	0.00200			07/25/25 13:58	DRS

LABORATORY TEST RESULTS

Job ID : 25072361

Date 8/21/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: La Sara RO Discharge Permit Renewal

Client Sample ID: Field Blank
Date Collected: 07/23/25
Time Collected: 15:20
Other Information:

Job Sample ID: 25072361.02
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 1631E	CVAFS									
	Mercury	<0.042000	ng/L	1	0.042000	0.25000		U	07/28/25 10:00	AK

ab-q212-0321

LABORATORY TEST RESULTS

Job ID : 25072361

Date 8/21/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: La Sara RO Discharge Permit Renewal

Client Sample ID: La Sara RO Discharge - Recheck

Date Collected: 07/23/25

Time Collected: 15:00

Other Information:

Job Sample ID: 25072361.03

Sample Matrix Water

% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
SM 3500Cr B										
	Chromium, Hexavalent	<0.0005	mg/L	1	0.0005	0.00100		H2,U	08/05/25 14:40	SS
SM 3500Cr B										
	Chromium, Trivalent[2]	<0.0005	mg/L	1	0.0005	0.00100		U	08/06/25 09:45	SS
EPA 200.8	Metals by ICP/MS									
	Chromium	0.00040	mg/L	1.00	0.00013	0.00025			08/06/25 13:21	AK

ab-q212-0321

[2]-Parameter not available for accreditation.

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : **Method :** **SM 3500Cr B** **Reporting Units : mg/L**

QC Batch ID : Qb25072453 **Created Date :** 07/24/25 **Created By :** SShukla

Samples in This QC Batch : 25072361.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB1	Chromium, Hexavalent	18540-29-9	< MDL	mg/L	1	0.001	0.0005		
Method Blank	Chromium, Hexavalent	18540-29-9	< MDL	mg/L	1	0.001	0.0005		

QC Type: Duplicate

QC Sample ID: 25071450.05

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Chromium, Hexavalent	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Chromium, Hexavalent	0.02	0.0200	100.0	0.02	0.0197	98.5	1.5	20	86.8-108	

QC Type: MS and MSD

QC Sample ID: 25071450.05

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Chromium, Hexavalent	BRL	0.02	0.0178	89.0	0.02	0.0178	89.0	0.0	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : **Reducing Agents, as Sulfite** **Method :** **SM 4500SO3-B** **Reporting Units :** **mg/L**

QC Batch ID : Qb25072489 **Created Date :** 07/24/25 **Created By :** ADissanayake

Samples in This QC Batch : 25072361.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Sulfite		< MDL	mg/L	1	5	5		

QC Type: Duplicate

QC Sample ID: 25072361.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Sulfite	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Sulfite	2500	2250.00	90.0	2500	2250.00	90.0	0.0	20	70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : **Total Dissolved Solids** **Method :** **SM 2540C** **Reporting Units :** **mg/L**

QC Batch ID : Qb25072497 **Created Date :** 07/24/25 **Created By :** ALassile

Samples in This QC Batch : 25072361.01

Sample Preparation : PB25072451 **Prep Method :** SM 2540C **Prep Date :** 07/24/25 14:29 **Prep By :** ALassile

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TDS	TDS	< MDL	mg/L	1	10	3.4		

QC Type: Duplicate

QC Sample ID: 25072328.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TDS	2670	2660.0	mg/L	0.4	5		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TDS	500	462	92.4						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : **Total Suspended Solids** **Method :** **SM 2540D** **Reporting Units :** **mg/L**

QC Batch ID : Qb25072512 **Created Date :** 07/24/25 **Created By :** ALassile

Samples in This QC Batch : 25072361.01

Sample Preparation : PB25072475 **Prep Method :** SM 2540D **Prep Date :** 07/24/25 17:30 **Prep By :** ALassile

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TSS	TSS	< MDL	mg/L	1	2.5	2.5		

QC Type: Duplicate

QC Sample ID: 25072363.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TSS	32.0	29	mg/L	9.8	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TSS	500	465	93.0						72-108	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb250725120 **Created Date :** 07/25/25 **Created By :** Rajeev

Samples in This QC Batch : 25072361.01

Digestion : PB25072520 **Prep Method :** EPA 200.7 **Prep Date :** 07/25/25 09:30 **Prep By :** Mwissman

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
ICB	Aluminum	7429-90-5T	< MDL	mg/L	1	0.01	0.00647		
ICB	Arsenic	7440-38-2T	< MDL	mg/L	1	0.01	0.00248		
ICB	Boron	7440-42-8T	< MDL	mg/L	1	0.01	0.00336		
ICB	Cadmium	7440-43-9	< MDL	mg/L	1	0.01	0.00119		
ICB	Cobalt	7440-48-4	< MDL	mg/L	1	0.01	0.00154		
ICB	Copper	7440-50-8	< MDL	mg/L	1	0.01	0.00119		
ICB	Iron	7439-89-6T	< MDL	mg/L	1	0.01	0.00283		
ICB	Lead	7439-92-1T	< MDL	mg/L	1	0.01	0.00433		
ICB	Magnesium	7439-95-4T	< MDL	mg/L	1	0.02	0.00999		
ICB	Nickel	7440-02-0	< MDL	mg/L	1	0.01	0.00119		
ICB	Selenium	7782-49-2	< MDL	mg/L	1	0.01	0.00493		
ICB	Silver	7440-22-4	< MDL	mg/L	1	0.01	0.00248		
ICB	Zinc	7440-66-6T	< MDL	mg/L	1	0.01	0.01		
Method Blank	Aluminum	7429-90-5T	< MDL	mg/L	1	0.01	0.00647		
Method Blank	Arsenic	7440-38-2T	< MDL	mg/L	1	0.01	0.00248		
Method Blank	Boron	7440-42-8T	< MDL	mg/L	1	0.01	0.00336		
Method Blank	Cadmium	7440-43-9	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Cobalt	7440-48-4	< MDL	mg/L	1	0.01	0.00154		
Method Blank	Copper	7440-50-8	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Iron	7439-89-6T	< MDL	mg/L	1	0.01	0.00283		
Method Blank	Lead	7439-92-1T	< MDL	mg/L	1	0.01	0.00433		
Method Blank	Magnesium	7439-95-4T	< MDL	mg/L	1	0.02	0.00999		
Method Blank	Nickel	7440-02-0	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Selenium	7782-49-2	< MDL	mg/L	1	0.01	0.00493		
Method Blank	Silver	7440-22-4	< MDL	mg/L	1	0.01	0.00248		
Method Blank	Zinc	7440-66-6T	< MDL	mg/L	1	0.01	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aluminum	1	0.991	99.1	1	0.981	98.1	1	20	85-115	
Arsenic	1	1.03	104	1	1.04	104	0.5	20	85-115	
Boron	1	1.01	101	1	1.00	101	0.6	20	85-115	
Cadmium	1	0.983	98.3	1	0.981	98.1	0.2	20	85-115	
Cobalt	1	0.985	98.5	1	0.982	98.2	0.3	20	85-115	
Copper	1	0.993	99.3	1	0.990	99	0.3	20	85-115	
Iron	1	0.992	99.2	1	0.984	98.4	0.8	20	85-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : Total Recoverable Metals **Method : EPA 200.7** **Reporting Units : mg/L**

QC Batch ID : Qb250725120 **Created Date :** 07/25/25 **Created By :** Rajeev

Samples in This QC Batch : 25072361.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Lead	1	1.00	100	1	1.00	100	0.4	20	85-115	
Magnesium	1	0.962	96.2	1	0.958	95.8	0.4	20	85-115	
Nickel	1	0.972	97.2	1	0.969	96.9	0.3	20	85-115	
Selenium	1	1.01	101	1	1.01	101	0.1	20	85-115	
Silver	1	1.00	100	1	1.00	100	0.4	20	85-115	
Zinc	1	0.980	98	1	0.977	97.7	0.3	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25072361.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.0130	1	0.970	95.7						75-125	
Arsenic	0.0170	1	1.12	111						75-125	
Boron	3.92	1	4.85	92.3						75-125	
Cadmium	BRL	1	0.882	88.2						75-125	
Cobalt	BRL	1	0.893	89.3						75-125	
Copper	BRL	1	1.07	107						75-125	
Iron	0.0460	1	0.977	93.1						75-125	
Lead	BRL	1	0.876	87.6						75-125	
Magnesium	90.2	1	79.6	-1063.3						75-125	M6
Nickel	BRL	1	0.864	86.4						75-125	
Selenium	BRL	1	1.03	103						75-125	
Silver	BRL	1	1.06	106						75-125	
Zinc	BRL	1	1.02	102						75-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb250725122 **Created Date :** 07/25/25 **Created By :** Rajeev

Samples in This QC Batch : 25072361.01

Digestion : PB25072523 **Prep Method :** EPA 200.7 **Prep Date :** 07/25/25 09:30 **Prep By :** Mwissman

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
ICB	Tin	7440-31-5	< MDL	mg/L	1	0.01	0.01		
Method Blank	Tin	7440-31-5	< MDL	mg/L	1	0.01	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Tin	1	0.989	98.9	1	0.989	98.9	0	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25072361.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Tin	BRL	1	0.936	93.6						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : **Method :** **EPA 1664B** **Reporting Units : mg/L**

QC Batch ID : Qb25072526 **Created Date :** 07/25/25 **Created By :** NAmarasinghe

Samples in This QC Batch : 25072361.01

Sample Preparation : PB25072509 **Prep Method :** EPA 1664B **Prep Date :** 07/25/25 10:00 **Prep By :** NAmarasinghe

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Oil & Grease		< MDL	mg/L	1	2.5	1.4		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Oil & Grease	40	35.6	89.0	40	35.8	89.5	0.6	11	78-114	

QC Type: MS and MSD
QC Sample ID: 25072343.03

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Oil & Grease	BRL	40	39.4	88.7						78-114	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : Anions **Method :** EPA 300.0 **Reporting Units :** mg/L

QC Batch ID : Qb25072539 **Created Date :** 07/24/25 **Created By :** KPerera

Samples in This QC Batch : 25072361.01

Sample Preparation : PB25072426 **Prep Method :** EPA 300.0 **Prep Date :** 07/24/25 16:00 **Prep By :** KPerera

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Fluoride	16984-48-8	< MDL	mg/L	1.00	0.1	0.018		
Method Blank	Chloride	16887-00-6	< MDL	mg/L	1.00	0.1	0.018		
Method Blank	Bromide	24959-67-9	< MDL	mg/L	1.00	0.1	0.021		
Method Blank	Nitrate-N	14797-55-8	< MDL	mg/L	1.00	0.1	0.007		
Method Blank	Nitrate/Nitrite as N		< MDL	mg/L	1.00	0.1	0.015		
Method Blank	Sulfate	14808-79-8	< MDL	mg/L	1.00	0.1	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Fluoride	1	0.963	96.3	1	0.962	96.2	0.1	20	90-110	
Chloride	1	0.939	93.9	1	0.935	93.5	0.4	20	90-110	
Bromide	1	0.968	96.8	1	0.965	96.5	0.3	20	90-110	
Nitrate-N	1	0.947	94.7	1	0.950	95	0.3	20	90-110	
Sulfate	1	0.928	92.8	1	0.980	98	5.4	20	90-110	
Nitrate/Nitrite as N	2	1.8593	93	2	1.8618	93.1	0.1	20	90-110	

QC Type: MS and MSD
QC Sample ID: 25072320.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Fluoride	0.4011	1	1.38	97.5						80-120	
Chloride	41.0023	1	42.1	113.6						80-120	
Bromide	BRL	1	1.07	107						80-120	
Nitrite-N	0.108	1	1.03	91.8						80-120	
Nitrate-N	0.766	1	1.73	96.8						80-120	
Nitrate/Nitrite as N	0.874	2	2.7605	94.3						80-120	
Sulfate	26.7407	1	27.8	104.8						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : Chemical Oxygen Demand **Method :** SM 5220D **Reporting Units :** mg/L

QC Batch ID : Qb25072562 **Created Date :** 07/25/25 **Created By :** sadeshp

Samples in This QC Batch : 25072361.01

Sample Preparation : PB25072528 **Prep Method :** SM 5220D **Prep Date :** 07/25/25 11:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB	COD		< MDL	mg/L	1	10	2.4		
CCB1	COD		< MDL	mg/L	1	10	2.4		
CCB2	COD		< MDL	mg/L	1	10	2.4		
Method Blank	COD		< MDL	mg/L	1	10	2.4		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
COD	300	303.0	101.0	300	299.0	99.7	1.3	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25072484.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
COD	14	400	416.0	100.5	400	414.0	100.0	0.5	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : Total Kjeldahl Nitrogen **Method : EPA 351.2** **Reporting Units : mg/L**

QC Batch ID : Qb25072569 **Created Date :** 07/24/25 **Created By :** Srijan

Samples in This QC Batch : 25072361.01

Sample Preparation : PB25072531 **Prep Method :** EPA 351.2_ **Prep Date :** 07/24/25 12:00 **Prep By :** Srijan

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TKN		< MDL	mg/L	1.00	0.2	0.02446		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TKN	1	1.08	108	1	1.07	107	1.2	10	90-110	

QC Type: MS and MSD
QC Sample ID: 25072361.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TKN	0.0646	1	1.24	117.3	1	1.24	117.6	0.2	10	90-110	M8

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : Metals by ICP/MS **Method :** EPA 200.8 **Reporting Units :** mg/L

QC Batch ID : Qb25072576 **Created Date :** 07/25/25 **Created By :** DSoni

Samples in This QC Batch : 25072361.01

Digestion : PB25072532 **Prep Method :** EPA 200.8 **Prep Date :** 07/25/25 08:00 **Prep By :** JYou

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Aluminum	7429-90-5T	< MDL	mg/L	1	0.001	0.00079		
Method Blank	Antimony	7440-36-0	< MDL	mg/L	1	0.0005	0.00013		
Method Blank	Arsenic	7440-38-2T	< MDL	mg/L	1	0.00025	3E-05		
Method Blank	Barium	7440-39-3T	< MDL	mg/L	1	0.0005	9E-05		
Method Blank	Beryllium	7440-41-7	< MDL	mg/L	1	0.00025	6E-05		
Method Blank	Cadmium	7440-43-9	< MDL	mg/L	1	0.00025	3E-05		
Method Blank	Chromium	7440-47-3T	< MDL	mg/L	1	0.00025	0.00013		
Method Blank	Cobalt	7440-48-4	< MDL	mg/L	1	0.00025	6E-05		
Method Blank	Copper	7440-50-8	< MDL	mg/L	1	0.0005	9E-05		
Method Blank	Lead	7439-92-1T	< MDL	mg/L	1	0.00025	3E-05		
Method Blank	Manganese	7439-96-5	< MDL	mg/L	1	0.0005	6E-05		
Method Blank	Molybdenum	7439-98-7	< MDL	mg/L	1	0.00025	9E-05		
Method Blank	Nickel	7440-02-0	< MDL	mg/L	1	0.00025	0.00038		
Method Blank	Selenium	7782-49-2	< MDL	mg/L	1	0.001	0.00031		
Method Blank	Silver	7440-22-4	< MDL	mg/L	1	0.0005	0.00013		
Method Blank	Thallium	7440-28-0	< MDL	mg/L	1	0.00025	6E-05		
Method Blank	Titanium	7440-32-6	< MDL	mg/L	1	0.00025	0.00013		
Method Blank	Zinc	7440-66-6T	< MDL	mg/L	1	0.002	0.00047		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aluminum	0.05	0.0517	103	0.05	0.0480	95.9	7.5	20	85-115	
Antimony	0.05	0.0507	101	0.05	0.0484	96.9	4.6	20	85-115	
Arsenic	0.05	0.0502	100	0.05	0.0478	95.6	5	20	85-115	
Barium	0.05	0.0511	102	0.05	0.0487	97.4	4.7	20	85-115	
Beryllium	0.05	0.0507	101	0.05	0.0472	94.4	7.2	20	85-115	
Cadmium	0.05	0.0513	103	0.05	0.0497	99.3	3.2	20	85-115	
Chromium	0.05	0.0513	103	0.05	0.0490	98.1	4.6	20	85-115	
Cobalt	0.05	0.0521	104	0.05	0.0501	100	3.9	20	85-115	
Copper	0.05	0.0511	102	0.05	0.0486	97.2	5	20	85-115	
Lead	0.05	0.0502	100	0.05	0.0479	95.8	4.7	20	85-115	
Manganese	0.05	0.0513	103	0.05	0.0482	96.5	6.2	20	85-115	
Molybdenum	0.05	0.0507	101	0.05	0.0482	96.4	5.1	20	85-115	
Nickel	0.05	0.0503	101	0.05	0.0483	96.7	4.1	20	85-115	
Selenium	0.05	0.0511	102	0.05	0.0477	95.4	6.9	20	85-115	
Silver	0.05	0.0498	99.6	0.05	0.0486	97.2	2.5	20	85-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : Metals by ICP/MS **Method :** EPA 200.8 **Reporting Units :** mg/L

QC Batch ID : Qb25072576 **Created Date :** 07/25/25 **Created By :** DSoni

Samples in This QC Batch : 25072361.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Thallium	0.05	0.0517	103	0.05	0.0493	98.5	4.8	20	85-115	
Titanium	0.05	0.0505	101	0.05	0.0486	97.2	3.8	20	85-115	
Zinc	0.05	0.0516	103	0.05	0.0486	97.2	5.9	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25072467.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.0142	0.1	0.112	97.5						70-130	
Antimony	0.00100	0.1	0.0950	94						70-130	
Arsenic	0.00345	0.1	0.0964	92.9						70-130	
Barium	0.154	0.1	0.235	80.6						70-130	
Beryllium	BRL	0.1	0.0936	93.6						70-130	
Cadmium	BRL	0.1	0.0939	93.9						70-130	
Chromium	0.00306	0.1	0.0930	89.9						70-130	
Cobalt	BRL	0.1	0.0936	93.6						70-130	
Copper	0.00486	0.1	0.0963	91.5						70-130	
Lead	BRL	0.1	0.0898	89.9						70-130	
Manganese	0.00236	0.1	0.0945	92.2						70-130	
Molybdenum	0.00162	0.1	0.0930	91.4						70-130	
Nickel	0.00305	0.1	0.0946	91.5						70-130	
Selenium	0.00085	0.1	0.0887	88.7						70-130	
Silver	0.00013	0.1	0.0905	90.5						70-130	
Thallium	BRL	0.1	0.0889	88.9						70-130	
Titanium	0.00235	0.1	0.0864	84.1						70-130	
Zinc	0.00657	0.1	0.0993	92.7						70-130	

QC Type: MS2 and MSD2
QC Sample ID: 25072465.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.105	0.1	0.222	117						70-130	
Antimony	BRL	0.1	0.0971	97.1						70-130	
Arsenic	0.00235	0.1	0.0988	96.4						70-130	
Barium	0.202	0.1	0.275	73.9						70-130	
Beryllium	BRL	0.1	0.0940	94						70-130	
Cadmium	BRL	0.1	0.0992	99.2						70-130	
Chromium	0.00057	0.1	0.0986	98						70-130	
Cobalt	BRL	0.1	0.102	102						70-130	
Copper	0.0158	0.1	0.115	99.5						70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : **Metals by ICP/MS** **Method :** **EPA 200.8** **Reporting Units :** **mg/L**

QC Batch ID : Qb25072576 **Created Date :** 07/25/25 **Created By :** DSoni

Samples in This QC Batch : 25072361.01

QC Type: MS2 and MSD2
QC Sample ID: 25072465.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Lead	BRL	0.1	0.0951	95.1						70-130	
Manganese	0.0322	0.1	0.130	97.6						70-130	
Molybdenum	0.00305	0.1	0.0983	95.3						70-130	
Nickel	0.00211	0.1	0.100	97.9						70-130	
Selenium	0.00194	0.1	0.0968	94.8						70-130	
Silver	BRL	0.1	0.0934	93.4						70-130	
Thallium	BRL	0.1	0.0920	92						70-130	
Titanium	0.00226	0.1	0.0893	87.1						70-130	
Zinc	0.0253	0.1	0.137	111						70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : **Method :** **EPA 350.1** **Reporting Units : mg/L**

QC Batch ID : Qb25072577 **Created Date :** 07/24/25 **Created By :** Srijan

Samples in This QC Batch : 25072361.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Ammonia as N	NH3-N	< MDL	mg/L	1.00	0.1	0.01385		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ammonia as N	1	1.02	102	1	1.06	106	4.3	20	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25072372.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	0.468	1	1.45	97.9	1	1.46	99	0.8	10	90-110	

QC Type: MS2 and MSD2
QC Sample ID: 25072477.02

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	BRL	1	1.01	101	1	1.02	102	1	10	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : True Color **Method : SM 2120B** **Reporting Units : PCU**

QC Batch ID : Qb25072922 **Created Date :** 07/24/25 **Created By :** KLyle

Samples in This QC Batch : 25072361.01

QC Type: Duplicate

QC Sample ID: 25072361.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Color	BRL	BRL	PCU	0	20		

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : Sulfide **Method : SM 4500-S D** **Reporting Units : mg/L**

QC Batch ID : Qb25072965 **Created Date :** 07/29/25 **Created By :** KLyle

Samples in This QC Batch : 25072361.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB1	Sulfide	18496-25-8	< MDL	mg/L	1	0.05	0.013		
Method Blank	Sulfide	18496-25-8	< MDL	mg/L	1	0.05	0.013		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Sulfide	0.2	0.196	98.0	0.2	0.202	101.0	3	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25072361.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Sulfide	BRL	0.2	0.191	95.5	0.2	0.199	99.5	4.1	20	70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : Nitrate+Nitrite Nitrogen by Automated Colorimetry **Method :** EPA 353.2 **Reporting Units :** mg/L

QC Batch ID : Qb25072985 **Created Date :** 07/29/25 **Created By :** Srijan

Samples in This QC Batch : 25072361.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Nitrate/Nitrite as N		< MDL	mg/L	1.00	0.02	0.00647		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Nitrate/Nitrite as N	0.1	0.0974	97.4	0.1	0.0970	97	0.4	20	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25072238.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nitrate/Nitrite as N	0.0405	0.1	0.139	98.6	0.1	0.140	99.3	0.5	20	90-110	

QC Type: MS2 and MSD2
QC Sample ID: 25072325.04

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nitrate/Nitrite as N	0.145	0.1	0.247	103	0.1	0.242	97.1	2.2	20	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : Biochemical Oxygen Demand (BOD5) **Method :** SM 5210B **Reporting Units :** mg/L

QC Batch ID : Qb25073003 **Created Date :** 07/24/25 **Created By :** sadeshp

Samples in This QC Batch : 25072361.01

Sample Preparation : PB25072477 **Prep Method :** SM 5210B **Prep Date :** 07/24/25 18:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	BOD		< MDL	mg/L	1	2	2		

QC Type: Duplicate

QC Sample ID: 25072393.02

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
BOD	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
BOD	198	180.00	90.9	198	177.00	89.4	1.7	20	84.6-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : **Alkalinity** **Method :** **SM 2320B** **Reporting Units :** **mg CaCO3/L**

QC Batch ID : Qb25073014 **Created Date :** 07/29/25 **Created By :** DKunwar

Samples in This QC Batch : 25072361.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Alkalinity		< MDL	mg CaCO3/L	1	20	3.36		

QC Type: Duplicate

QC Sample ID: 25072266.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Alkalinity	1461.5	1465.5	mg CaCO3	0.3	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Alkalinity	1250	1241.2	99.3	1250	1231.2	98.5	0.8	20	91.7-114	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : CVAFS **Method : EPA 1631E** **Reporting Units : ng/L**

QC Batch ID : Qb25073015 **Created Date :** 07/28/25 **Created By :** Abhishek

Samples in This QC Batch : 25072361.01,02

Digestion : PB25073007 **Prep Method :** EPA 1631E **Prep Date :** 07/28/25 09:00 **Prep By :** Abhishek

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Blank 2	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		
Blank 3	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		
Method Blank	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	5	5.0300	101	5	5.0000	100	0.6	24	77-123	

QC Type: MS and MSD
QC Sample ID: 25072266.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	0.89700	5	5.9000	100	5	5.7800	97.7	2.1	24	71-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : Phosphorus **Method : SM 4500P-E** **Reporting Units : mg/L**

QC Batch ID : Qb25073091 **Created Date :** 07/30/25 **Created By :** KLyle

Samples in This QC Batch : 25072361.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Phosphorus	7723-14-0	< MDL	mg/L	1	0.05	0.00612		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Phosphorus	0.200	0.195	97.6	0.200	0.189	94.3	3.2	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25072623.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Phosphorus	0.108	0.200	0.293	92.6	0.200	0.316	104.1	7.6	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : Cyanide, Amenable Ultra Low **Method : SM 4500CN-CG** **Reporting Units : mg/L**

QC Batch ID : Qb25073097 **Created Date :** 07/30/25 **Created By :** Srijan

Samples in This QC Batch : 25072361.01

Sample Preparation : PB25073057 **Prep Method :** SM 4500CN-CG **Prep Date :** 07/30/25 11:30 **Prep By :** Srijan

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Cyanide, Amenable	57-12-5	< MDL	mg/L	1	0.002	0.00069		

QC Type: Duplicate

QC Sample ID: 25072361.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Cyanide, Amenable	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Cyanide, Amenable	0.01	0.0095	95.0	0.01	0.0104	104.0	9	20	90-110	

ab-q213-0321

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : Carbonaceous Biochemical Oxygen Demand **Method :** SM 5210B **Reporting Units :** mg/L

QC Batch ID : Qb25073122 **Created Date :** 07/25/25 **Created By :** sadeshp

Samples in This QC Batch : 25072361.01

Sample Preparation : PB25072811 **Prep Method :** SM 5210B **Prep Date :** 07/25/25 08:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	CBOD		< MDL	mg/L	1	----	2		

QC Type: Duplicate

QC Sample ID: 25072570.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
CBOD	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
CBOD	198	176.00	88.9	198	183.00	92.4	3.9	20	84.6-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : Total Organic Carbon **Method : SM 5310B** **Reporting Units : mg/L**

QC Batch ID : Qb25073193 **Created Date :** 07/31/25 **Created By :** KLyle

Samples in This QC Batch : 25072361.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TOC	TOC	< MDL	mg/L	1	1	0.61		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TOC	10	10.22	102.0						89.4-113	

QC Type: MS and MSD
QC Sample ID: 25072391.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TOC	5.340	5	10.15	96.2	5	9.964	92.5	1.8	10	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : **Method :** **SM 3500Cr B** **Reporting Units : mg/L**

QC Batch ID : Qb25080619 **Created Date :** 08/05/25 **Created By :** SShukla

Samples in This QC Batch : 25072361.03

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB1	Chromium, Hexavalent	18540-29-9	< MDL	mg/L	1	0.001	0.0005		
Method Blank	Chromium, Hexavalent	18540-29-9	< MDL	mg/L	1	0.001	0.0005		

QC Type: Duplicate

QC Sample ID: 25072361.03

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Chromium, Hexavalent	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Chromium, Hexavalent	0.02	0.0202	101.0	0.02	0.0202	101.0	0.0	20	86.8-108	

QC Type: MS and MSD

QC Sample ID: 25072361.03

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Chromium, Hexavalent	BRL	0.02	0.0182	91.0	0.02	0.0182	91.0	0.0	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : Metals by ICP/MS **Method :** EPA 200.8 **Reporting Units :** mg/L

QC Batch ID : Qb25080651 **Created Date :** 08/06/25 **Created By :** Abhishek

Samples in This QC Batch : 25072361.03

Digestion : PB25080546 **Prep Method :** EPA 200.8 **Prep Date :** 08/05/25 10:50 **Prep By :** JYou

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Aluminum	7429-90-5T	< MDL	mg/L	1	0.001	0.00079		
Method Blank	Arsenic	7440-38-2T	< MDL	mg/L	1	0.00025	3E-05		
Method Blank	Cadmium	7440-43-9	< MDL	mg/L	1	0.00025	3E-05		
Method Blank	Chromium	7440-47-3T	< MDL	mg/L	1	0.00025	0.00013		
Method Blank	Cobalt	7440-48-4	< MDL	mg/L	1	0.00025	6E-05		
Method Blank	Copper	7440-50-8	< MDL	mg/L	1	0.0005	9E-05		
Method Blank	Lead	7439-92-1T	< MDL	mg/L	1	0.00025	3E-05		
Method Blank	Nickel	7440-02-0	< MDL	mg/L	1	0.00025	0.00038		
Method Blank	Selenium	7782-49-2	< MDL	mg/L	1	0.001	0.00031		
Method Blank	Silver	7440-22-4	< MDL	mg/L	1	0.0005	0.00013		
Method Blank	Zinc	7440-66-6T	< MDL	mg/L	1	0.002	0.00047		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aluminum	0.05	0.0493	98.6	0.05	0.0521	104	5.6	20	85-115	
Arsenic	0.05	0.0508	102	0.05	0.0504	101	0.8	20	85-115	
Cadmium	0.05	0.0510	102	0.05	0.0505	101	1.1	20	85-115	
Chromium	0.05	0.0506	101	0.05	0.0506	101	0.0	20	85-115	
Cobalt	0.05	0.0501	100	0.05	0.0500	100	0.3	20	85-115	
Copper	0.05	0.0512	102	0.05	0.0507	101	1	20	85-115	
Lead	0.05	0.0496	99.2	0.05	0.0495	98.9	0.2	20	85-115	
Nickel	0.05	0.0513	103	0.05	0.0507	101	1.1	20	85-115	
Selenium	0.05	0.0510	102	0.05	0.0508	102	0.4	20	85-115	
Silver	0.05	0.0504	101	0.05	0.0503	101	0.2	20	85-115	
Zinc	0.05	0.0518	104	0.05	0.0513	103	1	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25080212.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.0357	0.1	0.140	105						70-130	
Arsenic	0.00136	0.1	0.103	102						70-130	
Cadmium	BRL	0.1	0.106	106						70-130	
Chromium	0.00739	0.1	0.111	104						70-130	
Cobalt	0.00221	0.1	0.106	103						70-130	
Copper	0.0749	0.1	0.180	105						70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25072361 **Date :** 8/21/2025

Analysis : **Metals by ICP/MS** **Method :** **EPA 200.8** **Reporting Units :** **mg/L**

QC Batch ID : Qb25080651 **Created Date :** 08/06/25 **Created By :** Abhishek

Samples in This QC Batch : 25072361.03

QC Type: MS and MSD
QC Sample ID: 25080212.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Lead	BRL	0.1	0.101	101						70-130	
Nickel	0.118	0.1	0.223	105						70-130	
Selenium	BRL	0.1	0.106	106						70-130	
Silver	BRL	0.1	0.102	102						70-130	
Zinc	0.164	0.1	0.280	116						70-130	

Chain of Custody is a Legal Document

Job ID:25072361

07/24/2025 North Alamo Water Supply ANA

1. REPORT TO:	North Alamo Water Supply 420 S. Doolittle Rd Edinburg, TX 78542 Roland Zamora 956-651-0400 Dist List
2. INVOICE TO:	On file
3. PO #	QT25062703
4. Turnaround Time- Business Days	☐ 1 Day * ☐ 5 Days * ☐ 2 Days * ☑ 7 Days-Standard ☐ 3 Days * ☐ Other _____ * Surcharge Applies
	Day Zero is the day sample is received. Report due at 5pm on due day.

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A&B JOB ID

5. Project #

6. Project Name / Location: La Sara RO Discharge Permit Renewal

7. Reporting Requirement: ☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☑ MDL Rpt

8. Sampler's Name & Co: INEOS/ Saul Ivan North Alamo Water Supply — Sampler's Signature & Date: 7-23-25

9. Sample ID & Description	Lab Use Only	10. Sampling Date	10. Sampling Time	11. comp	11. grab	12. Matrix Water	12. Matrix Soil	13. Total No. of Containers	BOD, CBOD, TDS, TSS, HexCr_Low, Color, Surfactants_SUB, Alkalinity	Low Level Mercury	Metals 200.8, Metals 200.7, Metals_Blist 200.7, TriCr_Low	Sulfide - (if not done in the field)	Ammonia, TOC, TON, COD, TKN, Phosphorus, NO3+NO2	***Anions 300.0	O&G_HEM	Cyanide_Amenable Ultra Low	Sulfide	*Field Tests - Ph, Temp, Chlorine, DO, Sulfite	18. Comments
								Number of Containers	4	3	1	1	1	1	2	1	1		
								14. Containers**	P	VOA	P	P	P	P	G	P	P		
								15. Preservatives**	C	H	N	C	S	C	S	OH,X	OH,ZnA		
								16. pH-Lab Only											
								*Metals 200.8 - Al,Sb,As,Ba,Be,Cd,Co,Cr,Cu,Pb,Mn,Mo,Ni,Se,Ag,Tl,Ti,Zn; Metals 200.7 - B,Fe,Mg; Metals_Blist 200.7 - Tin											
La Sara RO Discharge	01AO	7-23-25	1500	X		X		15	X	X	X	X	X	X	X	X	X		pH 7.84
Field Blank	02AC	7-23-25	1520		X	X		3		X									Temp 91.9°F
																			Chlorine .63 mg/L
																			DO 3.17 mg/L
																			Sulfite

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1) Saul Ivan	7-23-25	1730	1) Fedex		
2) Fedex	7/24/25	1011	2) Brinda	7-24-25	1011
3)			3)		

***Anions: Bromide, Chloride, Fluoride, Nitrate, Sulfate

* Containers: VOA- 40 ml vial; 4 oz/8 oz- glass wide mouth; A/G- Amber/Glass 1 Liter; P/O- Plastic/other _____

**Preservatives: C-Cool H- HCl N- HNO3 S-H2SO4 OH- NaOH T-Na2S2O3 X- Other: NaAsO2

Temperature: 4.2 IR0

Intact? ☑Y ☐N

Initials BO

BILL OF LADING/TRACKING #

METHOD OF SHIPMENT

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

SHORT HOLD TIMES: Color, HexCr - 24hr / BOD, CBOD, Nitrate, Surfactant - 48hr

ORIGIN ID:MFEA (956) 533-1193
ROLAND ZAMORA
NORTH ALAMO WATER SUPPLY
420 S. DOOLITTLE RD.

EDINBURG, TX 78539
UNITED STATES US

SHIP DATE: 22JUL25
ACTWGT: 30.00 LB
CAD: 251130814/INET4535

TO **REVATHI PONNAMBALAM**
A&B ENVIRONMENTAL SERVICES
10100 EAST FWY STE 100

HOUSTON TX 77029
(713) 453-6060 REF:
INV:
PO: DEPT:

58GJ599C7/59F2

RMA:

FedEx Express

RETURNS MON-FRI
PRIORITY OVERNIGHT

TRK# 0221 **7918 5912 4410**

77029

TX-US

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Sample Condition Checklist

A&B JobID : **25072361**	Date Received : **07/24/2025**	Time Received : **10:11AM**
Client Name : **North Alamo Water Supply**		
Temperature : **4.2**	Sample pH : **<2 NH3, TKN, TON, TOC, COD, P, NO3NO2, Metals >9 S**	
Thermometer ID : **IR10**	pH Paper ID : **127328**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**		X	
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**	X		

Comments : Include actions taken to resolve discrepancies/problem:

CN: NaOH+NaAsO2. Sulfide contains no headspace. ~KS 07/24/25

Brought by : FedEx

Received by : KSmith

Check in by/date : KSmith / 07/24/2025

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 15

Job ID : 25073039

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
La Sara RO Discharge Permit Renewal

Report To :	Client Name:	North Alamo Water Supply	P.O.#.:	
	Attn:	Roland Zamora	Sample Collected By:	Saul Leal
	Client Address:	420 S. Doolittle Rd.	Date Collected:	07/30/25
	City, State, Zip:	Edinburg, Texas, 78539		

Client Sample ID	Matrix	A&B Sample ID
La Sara RO Discharge	Water	25073039.01

This analysis was subcontracted to :
ALS Laboratory Group, 10450 Stancliff Rd, Suite 210
Houston, Texas, 77099-4338

Released By: Ashley Arnett
Title: Project Manager
Date: 08/11/2025

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

ab-q210-0321

Date Received : 07/31/2025 10:17

25.1.25568

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 01, 2025

Alisha Hughes
A & B Labs
10100 East Freeway
Suite 100
Houston, TX 77029

Work Order: **HS25071703**

Laboratory Results for: **La Sara RO Discharge**

Dear Alisha Hughes,

ALS Environmental received 1 sample(s) on Jul 31, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Andy C. Neir

Client: A & B Labs
Project: La Sara RO Discharge
Work Order: HS25071703

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25071703-01	La Sara RO Discharge	Water		30-Jul-2025 16:00	31-Jul-2025 16:33	☐

RIGHT SOLUTIONS | RIGHT PARTNER

Client: A & B Labs **CASE NARRATIVE**
Project: La Sara RO Discharge
Work Order: HS25071703

WetChemistry by Method SM5540C

Batch ID: 231218

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: A & B Labs
Project: La Sara RO Discharge
Sample ID: La Sara RO Discharge
Collection Date: 30-Jul-2025 16:00

ANALYTICAL REPORT
WorkOrder:HS25071703
Lab ID:HS25071703-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
SURFACTANTS (MBAS) BY SM5540C		**Method:SM5540C**		Prep:SM5540C / 01-Aug-2025		Analyst: MH
MBAS	ND		0.0500	mg/L 340 MW LAS	1	01-Aug-2025 08:36

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Weight / Prep Log

Client: A & B Labs
Project: La Sara RO Discharge
WorkOrder: HS25071703

Batch ID: 231218 **Start Date:** 01 Aug 2025 07:36 **End Date:** 01 Aug 2025 07:36
Method: MBAS - PREPARATION **Prep Code:** MBAS_PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25071703-01		400 (mL)	400 (mL)	1	1-L plastic, Neat

RIGHT SOLUTIONS | RIGHT PARTNER

Client: A & B Labs
Project: La Sara RO Discharge
WorkOrder: HS25071703

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 231218 (0)	**Test Name :** SURFACTANTS (MBAS) BY SM5540C				**Matrix:** Water	
HS25071703-01	La Sara RO Discharge	30 Jul 2025 16:00		01 Aug 2025 07:36	01 Aug 2025 08:36	1

RIGHT SOLUTIONS | RIGHT PARTNER

Client: A & B Labs
Project: La Sara RO Discharge
WorkOrder: HS25071703

QC BATCH REPORT

Batch ID: 231218 (0) **Instrument: UV-2450** **Method: SURFACTANTS (MBAS) BY SM5540C**

MBLK Sample ID: **MBLK-231218** Units: **mg/L 340 MW LAS** Analysis Date: **01-Aug-2025 08:36**
Client ID: Run ID: **UV-2450_518881** SeqNo: **8968353** PrepDate: **01-Aug-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	ND	0.0500								

LCS Sample ID: **LCS-231218** Units: **mg/L 340 MW LAS** Analysis Date: **01-Aug-2025 08:36**
Client ID: Run ID: **UV-2450_518881** SeqNo: **8968351** PrepDate: **01-Aug-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.483	0.0500	0.5	0	96.6	85 - 115				

LCSD Sample ID: **LCSD-231218** Units: **mg/L 340 MW LAS** Analysis Date: **01-Aug-2025 08:36**
Client ID: Run ID: **UV-2450_518881** SeqNo: **8968352** PrepDate: **01-Aug-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.478	0.0500	0.5	0	95.6	85 - 115	0.483	1.04	20	

MS Sample ID: **HS25071703-01MS** Units: **mg/L 340 MW LAS** Analysis Date: **01-Aug-2025 08:36**
Client ID: **La Sara RO Discharge** Run ID: **UV-2450_518881** SeqNo: **8968350** PrepDate: **01-Aug-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.536	0.0500	0.5	0.032	101	80 - 120				

The following samples were analyzed in this batch: HS25071703-01

RIGHT SOLUTIONS | RIGHT PARTNER

Client: A & B Labs
Project: La Sara RO Discharge
WorkOrder: **HS25071703**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

RIGHT SOLUTIONS | RIGHT PARTNER

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2026
Arkansas	88-00356_2024	17-Mar-2026
California	2919 - 2025	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Dept of Defense	L24-240	30-Apr-2026
Florida	E87611-2025	30-Jun-2026
Illinois	200032 - 2025	31-Jul-2026
Kansas	KS-C25-00168	31-Jul-2026
Kentucky	123043-2025	30-Apr-2026
Louisiana	03087-2025	30-Jun-2026
Maine	2024017	23-Jun-2026
Michigan	9971-2025	30-Apr-2026
Minnesota	2856348	31-Dec-2025
Missouri	136	30-Sep-2026
Nebraska	NE-OS-25-13 - 2025	30-Apr-2026
Nevada	NV-C25-00124 - 2025	31-Jul-2026
New Hampshire	209425	24-Apr-2026
New Jersey	TX008-2025	30-Jun-2026
New York	11707 - 2025	01-Apr-2026
North Carolina	624 - 2024	31-Dec-2025
North Dakota	R-193 2023-2024	30-Sep-2025
Oklahoma	2023-140	31-Aug-2025
Oregon	TX200002-013	15-May-2026
Pennsylvania	019	01-Jul-2026
Tennessee	TN	30-Apr-2026
Texas	T104704231 TX-C24-00130	30-Apr-2026

RIGHT SOLUTIONS | RIGHT PARTNER

Sample Receipt Checklist

Work Order ID: HS25071703 **Date/Time Received:** **31-Jul-2025 16:33**

Client Name: AB_Labs_Hou **Received by:** **Edgar Zheku**

Completed By:	/S/ Chelsea Rogers	31-Jul-2025 17:17	**Reviewed by:**	/S/ Rochelle Davis	01-Aug-2025 09:26
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **W** Carrier name: **Client**

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 ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	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 ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	3.7UC/3.7C	IR 37
Cooler(s)/Kit(s):	RED	
Date/Time sample(s) sent to storage:	07/31/2025 17:17	

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

RIGHT SOLUTIONS | RIGHT PARTNER

Subcontract Laboratory Chain-of-Custody

A & B Labs	**Send To:**	**Report To:**	**Turnaround Time:**
10100 East Freeway	Company: ALS Environmental	Company: A&B Labs	**Standard TAT: X**
Suite 100	Address: 10450 Stancliff Rd., Ste. 210	Address: 10100 East Frwy Suite 100	
Houston, TX 77029	Houston, TX 77099	Houston, TX 77029	**Need Results by:**
713-453-6060	Contact: Hussam Kelany	Contact: Alisha Hughes/Amanda Shute	**PO# 55786 / 25073039**
713-453-6091 fax	Phone: 281-530-5656	Phone: 713-453-6060 xt 127	**Quote:**
info@ablabs.com	Fax: 713-266-0130	Email: reports@ablabs.com	P **Bottle Type**
	Email: hussam.kelany@alsglobal.com	CC:	C **Preservatives**

PLEASE EMAIL INVOICE TO: ACCOUNTSPAYABLE@ABLABS.COM

Special Instructions or Comments:

Lab #	Item	Sample ID / Name	Collection Date	Collection Time	Comp	Grab	Matrix	# of Containers	Container Types	Surfactants			Remarks:
25073039.01	1	La Sara RO Discharge	7/30/25	16:00	X		W	1	P	X			
	2												
	3												
	4												
	5	***PLEASE WATCH HOLD TIME***											
	6												
	7												
	8												
	9												
	10												

HS25071703
A & B Labs
La Sara RO Discharge

Matrix: **WW**-Wastewater **W**-Water **DW**-Drinking Water **S**-Soil **SD**-Solid **L**-Liquid **SL**-Sludge **O**-Oil **A**-Air Bag **Can**-Air Canister **B**-OVM Badge T-Tube
Preservatives: **C**-Cool/Ice **H**-HCl **N**-Nitric Acid **S**-Sulfuric Acid **OH**-NaOH **T**-Sodium Thiosulfate **O**- Other (specify)_____
Containers: **VOA**-40 ml vial **A**-amber 1 liter **G**-glass 1 liter **4oz** or **8oz** - 4/8 ounce glass **P**-Plastic

Relinquished By:	Date	Time		Received By:	Date	Time
	7/31/25	1633		07/31/25	16:33	

ab-s004-0309

Red 3.7
DN 34 LFO.0
37

RIGHT SOLUTIONS | RIGHT PARTNER

The Chain of Custody is a Legal Document

Job ID:25073039

07/31/2025 North Alamo Water Supply ANA

1. REPORT TO:	2. INVOICE TO:	3. PO # / QT25062703
North Alamo Water Supply		4. Turnaround Time- Business Days
420 S. Doolittle Rd	On file	☐ 1 Day * ☐ 5 Days *
Edinburg, TX 78542		☐ 2 Days * ☑ 7 Days-Standard
Roland Zamora		☐ 3 Days * ☐ Other
956-651-0400		* Surcharge Applies
Dist List		*Day Zero is the day sample is received. Report due at 5pm on due day.*

A&B JOB ID

5. Project #

6. Project Name / Location: La Sara RO Discharge Permit Renewal

7. Reporting Requirement: ☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☑ MDL Rpt

8. Sampler's Name & Co: INEOS/ Saul Leal North Alamo water Supply

Sampler's Signature & Date: 7-30-25

9. Sample ID & Description	Lab Use Only	10. Sampling Date	10. Sampling Time	11. comp	11. grab	12. Matrix Water	12. Matrix Soil	13. Total No. of Containers	BOD, CBOD, TDS, TSS, HexCr_Low, Color, Surfactants_SUB, Alkalinity	Low Level Mercury	Metals 200.8, Metals 200.7, Metals Blist 200.7, Tl Cr_Low	Sulfide (If not done in the field)	Ammonia, TOC, TON, COD, TKN, Phosphorus, NO3+NO2	***Anions 300.0	O&G_HEM	Cyanide_Amenable Ultra Low	Sulfide			*Field Tests - Ph, Temp, Chlorine, DO, Sulfite	18. Comments
								4 P	3 VOA	1 P	1 P	1 P	1 P	2 G	1 P	1 P					Number of Containers
								C	H	N	C	S	C	S	OH,X	OH,ZnA					14. Containers*
																					15. Preservatives**
																					16. pH-Lab Only
																					*Metals 200.8 - Al,Sb,As,Ba,Be,Cd,Co,Cr, Cu,Pb,Mn,Mo,Ni,Se,Ag,Tl, Ti,Zn Metals 200.7 - B,Fe,Mg Metals Blist 200.7 - Tin
La Sara RO Discharge	01	7-30-25	1600	X		X		15	X	X	X	X	X	X	X	X	X				
Field Blank	02	7-30-25	1550		X	X		3		X											pH 7.78 Temp 89.8 Chlorine .03 mg/L DO 3.18 mg/L Sulfite

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1) Saul Leal	7-30-25	1700	1) FedEx		
2) FedEx	7/31/25	1017	2)	7/31/25	1017
3)			3)		

***Anions: Bromide, Chloride, Fluoride, Nitrate,Sulfate

Temperature: 5.6 Corrected

Intact? ☑ Y ☐ N

Initials AM

*Containers: VOA- 40 ml vial; A/G- Amber/Glass 1 Liter; P/O- Plastic/other; 4 oz/8 oz- glass wide mouth

**Preservatives: C-Cool H- HCl N- HNO3 S-H2SO4 OH- NaOH T-Na2S2O3 X- Other: NaAsO2

BILL OF LADING/TRACKING #

METHOD OF SHIPMENT

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

SHORT HOLD TIMES: Color, HexCr - 24hr / BOD, CBOD, Nitrate, Surfactant - 48hr

ORIGIN ID:MFEA (956) 533-1193
ROLAND ZAMORA
NORTH ALAMO WATER SUPPLY
420 S. DOOLITTLE RD.

EDINBURG, TX 78539
UNITED STATES US

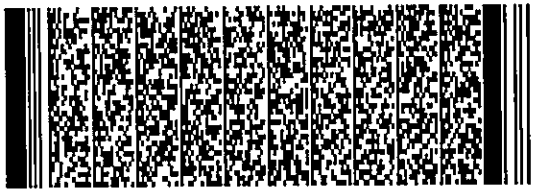
SHIP DATE: 22JUL25
ACTWGT: 30.00 LB
CAD: 251130814/INET4535

TO **REVATHI PONNAMBALAM**
A&B ENVIRONMENTAL SERVICES
10100 EAST FWY STE 100

HOUSTON TX 77029
(713) 453-6060 REF:
INV:
PO: DEPT:

58GJ5/99C7/59F2

RMA:



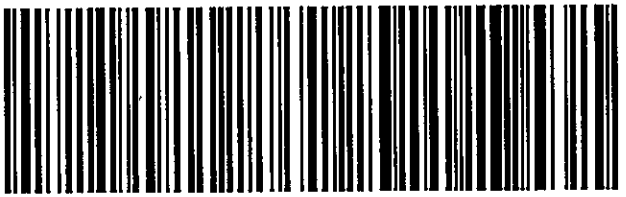
FedEx Express

RETURNS MON-FRI
PRIORITY OVERNIGHT

TRK# 0221 **7918 5912 9180**

77029

TX-US



After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Sample Condition Checklist

A&B JobID : **25073039**	Date Received : **07/31/2025**	Time Received : **10:17AM**
Client Name : **North Alamo Water Supply**		
Temperature : **5.6**	Sample pH : **<2 NH3, TOC, TON, TKN, P, NO3NO2, Metals >9 Sulfi**	
Thermometer ID : **IR10**	pH Paper ID : **128919**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**	X		
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**	X		
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**	X		

Comments : Include actions taken to resolve discrepancies/problem:

CN: NaOH+NaAsO2. Sulfide contains no headspace. ~KS 07/31/25

Brought by : FedEx

Received by : KSmith

Check in by/date : KSmith / 07/31/2025

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 35

Job ID : 25073039

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
La Sara RO Discharge Permit Renewal

Report To :	Client Name:	North Alamo Water Supply	P.O.#.:
	Attn:	Roland Zamora	Sample Collected By: Saul Leal
	Client Address:	420 S. Doolittle Rd.	Date Collected: 07/30/25
	City, State, Zip:	Edinburg, Texas, 78539	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
La Sara RO Discharge	Water	25073039.01
Field Blank	Water	25073039.02

Released By: Dhamodharan Shanmugam
Title: Reporting Associate
Date: 8/7/2025

This Laboratory is NELAP (T104704213-23-31) accredited. Effective: 04/01/2025; Expires: 03/31/2026
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

ab-q210-0321

Date Received : 07/31/2025 10:17

25.1.25568

Report Number: RPT250807095

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 25073039

Date: 8/7/2025

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RLU	Relative Light Unit
J	Estimation. Below calibration range but above MDL	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
LOD	Limit of detection adjusted for %M + DF	SQL	Sample Quantitation Limit
LOQ	Limit of Quantitation adjusted for %M + DF	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight	UQL	Unadjusted Upper Quantitation Limit
MQL	Unadjusted Minimum Quantitation Limit		

Qualifier Definition

H3	Sample was received and analyzed past holding time.
J	Estimation. Below calibration range but above MDL.
M1	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits due to matrix interference. "The sample randomly selected as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
M2	Matrix Spike and/or Matrix Spike Duplicate recovery is below laboratory control limits due to matrix interference.
M6	Sample concentration high, more than 4X spike concentration. Control limits do not apply.
M8	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits.
U	Undetected at SDL (Sample Detection Limit).

LABORATORY TEST RESULTS

Job ID : 25073039

Date 8/7/2025

Client Name:	North Alamo Water Supply	Attn: Roland Zamora	
Project Name:	La Sara RO Discharge Permit Renewal		

Client Sample ID:	La Sara RO Discharge	Job Sample ID:	25073039.01
Date Collected:	07/30/25	Sample Matrix	Water
Time Collected:	16:00	% Moisture	
Other Information:			

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 1664B										
	Oil & Grease	<1.51	mg/L	1.08	1.51	2.70		U	08/02/25 11:59	NA
SM 2120B	True Color									
	Color	<5	PCU	1	5	5		U	07/31/25 12:40	KL
SM 2320B	Alkalinity									
	Alkalinity	452	mg CaCO3/L	1	3.36	20.0			08/05/25 10:00	DPK
SM 2540C	Total Dissolved Solids									
	TDS	14100	mg/L	10	34.0	100			07/31/25 13:31	AL
SM 2540D	Total Suspended Solids									
	TSS	7.60	mg/L	0.200	0.5	0.5			07/31/25 18:01	AL
EPA 300.0	Anions									
	Fluoride	3.95	mg/L	10.00	0.180	1.00			08/01/25 15:45	KPE
	Chloride	3990	mg/L	500.00	9.00	50.0			08/06/25 14:16	KPE
	Bromide	12.5	mg/L	10.00	0.210	1.00			08/01/25 15:45	KPE
	Nitrate-N	0.436	mg/L	10.00	0.07	1.00		J	08/01/25 15:45	KPE
	Sulfate	5970	mg/L	1000.00	10.0	100			08/06/25 14:44	KPE
SM 4500CN-CG	Cyanide, Amenable Ultra Low									
	Cyanide, Amenable	<0.00069	mg/L	1	0.00069	0.00200		U	08/05/25 22:31	SKC
EPA 350.1										
	Ammonia as N	0.345	mg/L	1.00	0.014	0.100			07/31/25 22:05	SKC
SM 3500Cr B										
	Chromium, Hexavalent	<0.0005	mg/L	1	0.0005	0.00100		U	07/31/25 12:00	SS
SM 3500Cr B										
	Chromium, Trivalent[2]	<0.0005	mg/L	1	0.0005	0.00100		U	08/04/25 18:41	SS
EPA 351.2	Total Kjeldahl Nitrogen									
	TKN	0.352	mg/L	1.00	0.02	0.200			08/01/25 00:53	SKC
EPA 351.2/350.3/351.4/350.1										
	Total Organic Nitrogen	<0.02	mg/L	1	0.02	0.500		U	08/01/25 15:40	SKC
EPA 353.2	Nitrate+Nitrite Nitrogen by Automated Colorimetry									
	Nitrate/Nitrite as N	0.102	mg/L	1.00	0.007	0.020			08/05/25 22:33	SKC
SM 4500P-E	Phosphorus									
	Phosphorus	0.460	mg/L	1	0.01	0.0500			08/06/25 14:02	KL

LABORATORY TEST RESULTS

Job ID : 25073039

Date 8/7/2025

Client Name: North Alamo Water Supply Attn: Roland Zamora

Project Name: La Sara RO Discharge Permit Renewal

Client Sample ID: La Sara RO Discharge
Date Collected: 07/30/25
Time Collected: 16:00
Other Information:

Job Sample ID: 25073039.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
SM 4500-S D	Sulfide									
	Sulfide	<0.01	mg/L	1	0.01	0.0500		U	08/05/25 09:30	KL
SM 4500SO3-B	Reducing Agents, as Sulfite									
	Sulfite	6.00	mg/L	1	5.00	5.00		H3	07/31/25 14:00	AD
SM 5210B	Biochemical Oxygen Demand (BOD5)									
	BOD	<2	mg/L	1	2	2		U	07/31/25 19:00	SP
SM 5210B	Carbonaceous Biochemical Oxygen Demand									
	CBOD	<2	mg/L	1	2			U	08/01/25 11:30	SP
SM 5220D	Chemical Oxygen Demand									
	COD	66.0	mg/L	1	2.4	10.0			08/01/25 12:05	SP
SM 5310B	Total Organic Carbon									
	TOC	53.6	mg/L	2.00	1.22	2.00			08/01/25 13:48	KL
EPA 1631E	CVAFS									
	Mercury	0.19900	ng/L	1	0.042000	0.25000		J	08/05/25 12:34	AK
EPA 200.7	Total Recoverable Metals									
	Boron	4.53	mg/L	1	0.003	0.0100			08/01/25 13:40	RT
	Iron	0.0740	mg/L	1	0.003	0.0100			08/01/25 13:40	RT
	Magnesium	135	mg/L	100	0.999	2.00			08/01/25 15:43	RT
EPA 200.7	Total Recoverable Metals									
	Tin	<0.01	mg/L	1	0.01	0.01		U	08/01/25 13:40	RT
EPA 200.8	Metals by ICP/MS									
	Aluminum	0.0238	mg/L	1.00	0.00079	0.00100			08/01/25 16:54	AK
	Antimony	0.00044	mg/L	1.00	0.00013	0.00050		J	08/01/25 16:54	AK
	Arsenic	0.0291	mg/L	1.00	0.00003	0.00025			08/01/25 16:54	AK
	Barium	0.0701	mg/L	1.00	0.00009	0.00050			08/01/25 16:54	AK
	Beryllium	<0.00006	mg/L	1.00	0.00006	0.00025		U	08/01/25 16:54	AK
	Cadmium	0.00005	mg/L	1.00	0.00003	0.00025		J	08/01/25 16:54	AK
	Chromium	0.00023	mg/L	1.00	0.00013	0.00025		J	08/01/25 16:54	AK
	Cobalt	0.00007	mg/L	1.00	0.00006	0.00025		J	08/01/25 16:54	AK
	Copper	0.00069	mg/L	1.00	0.00009	0.00050			08/01/25 16:54	AK
	Lead	0.00012	mg/L	1.00	0.00003	0.00025		J	08/01/25 16:54	AK
	Manganese	0.0524	mg/L	1.00	0.00006	0.00050			08/01/25 16:54	AK
	Molybdenum	0.154	mg/L	1.00	0.00009	0.00025			08/01/25 16:54	AK
	Nickel	0.00063	mg/L	1.00	0.00038	0.00025			08/01/25 16:54	AK
	Selenium	0.00188	mg/L	1.00	0.00031	0.00100			08/01/25 16:54	AK

LABORATORY TEST RESULTS

Job ID : 25073039

Date 8/7/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: La Sara RO Discharge Permit Renewal

Client Sample ID: La Sara RO Discharge
Date Collected: 07/30/25
Time Collected: 16:00
Other Information:

Job Sample ID: 25073039.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 200.8	Metals by ICP/MS									
	Silver	<0.00013	mg/L	1.00	0.00013	0.00050		U	08/01/25 16:54	AK
	Thallium	<0.00006	mg/L	1.00	0.00006	0.00025		U	08/01/25 16:54	AK
	Titanium	0.00061	mg/L	1.00	0.00013	0.00025			08/01/25 16:54	AK
	Zinc	0.00698	mg/L	1.00	0.00047	0.00200			08/01/25 16:54	AK

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LABORATORY TEST RESULTS

Job ID : 25073039

Date 8/7/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: La Sara RO Discharge Permit Renewal

Client Sample ID: Field Blank
Date Collected: 07/30/25
Time Collected: 15:50
Other Information:

Job Sample ID: 25073039.02
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 1631E	CVAFS									
	Mercury	<0.042000	ng/L	1	0.042000	0.25000		U	08/05/25 12:39	AK

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[2]-Parameter not available for accreditation.

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : **Total Suspended Solids** **Method :** **SM 2540D** **Reporting Units :** **mg/L**

QC Batch ID : Qb250731110 **Created Date :** 07/31/25 **Created By :** ALassile

Samples in This QC Batch : 25073039.01

Sample Preparation : PB25073148 **Prep Method :** SM 2540D **Prep Date :** 07/31/25 17:30 **Prep By :** ALassile

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TSS	TSS	< MDL	mg/L	1	2.5	2.5		

QC Type: Duplicate

QC Sample ID: 25073023.02

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TSS	11.6	10.8	mg/L	7.1	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TSS	500	445	89.0						72-108	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : **Total Dissolved Solids** **Method :** **SM 2540C** **Reporting Units :** **mg/L**

QC Batch ID : Qb25073157 **Created Date :** 07/31/25 **Created By :** ALassile

Samples in This QC Batch : 25073039.01

Sample Preparation : PB25073122 **Prep Method :** SM 2540C **Prep Date :** 07/31/25 13:00 **Prep By :** ALassile

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TDS	TDS	< MDL	mg/L	1	10	3.4		

QC Type: Duplicate

QC Sample ID: 25073039.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TDS	14000	14139.9	mg/L	1	5		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TDS	500	504	101.0						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : **Reducing Agents, as Sulfite** **Method :** **SM 4500SO3-B** **Reporting Units :** **mg/L**

QC Batch ID : Qb25073185 **Created Date :** 07/31/25 **Created By :** ADissanayake

Samples in This QC Batch : 25073039.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Sulfite		< MDL	mg/L	1	5	5		

QC Type: Duplicate

QC Sample ID: 25073039.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Sulfite	6.00	6.00	mg/L	0.0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Sulfite	2500	2200.00	88.0	2500	2200.00	88.0	0.0	20	70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : **Method :** **SM 3500Cr B** **Reporting Units : mg/L**

QC Batch ID : Qb25080106 **Created Date :** 07/31/25 **Created By :** SShukla

Samples in This QC Batch : 25073039.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB1	Chromium, Hexavalent	18540-29-9	< MDL	mg/L	1	0.001	0.0005		
Method Blank	Chromium, Hexavalent	18540-29-9	< MDL	mg/L	1	0.001	0.0005		

QC Type: Duplicate

QC Sample ID: 25073039.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Chromium, Hexavalent	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Chromium, Hexavalent	0.02	0.0204	102.0	0.02	0.0204	102.0	0.0	20	86.8-108	

QC Type: MS and MSD

QC Sample ID: 25073039.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Chromium, Hexavalent	BRL	0.02	0.0052	26.0	0.02	0.0052	26.0	0.0	20	80-120	M2

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : Chemical Oxygen Demand **Method : SM 5220D** **Reporting Units : mg/L**

QC Batch ID : Qb25080136 **Created Date :** 08/01/25 **Created By :** sadeshp

Samples in This QC Batch : 25073039.01

Sample Preparation : PB25080123 **Prep Method :** SM 5220D **Prep Date :** 08/01/25 12:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB	COD		< MDL	mg/L	1	10	2.4		
CCB1	COD		< MDL	mg/L	1	10	2.4		
CCB2	COD		< MDL	mg/L	1	10	2.4		
Method Blank	COD		< MDL	mg/L	1	10	2.4		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
COD	300	304.0	101.3	300	302.0	100.7	0.7	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25080001.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
COD	14	400	418.0	101.0	400	416.0	100.5	0.5	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : Total Organic Carbon **Method : SM 5310B** **Reporting Units : mg/L**

QC Batch ID : Qb25080146 **Created Date :** 08/01/25 **Created By :** KLyle

Samples in This QC Batch : 25073039.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TOC	TOC	< MDL	mg/L	1.00	1	0.61		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TOC	10	10.6	107						89.4-113	

QC Type: MS and MSD
QC Sample ID: 25072553.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TOC	13.3	5	17.4	83.2	5	17.8	89.8	1.9	10	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : **Method :** **EPA 350.1** **Reporting Units : mg/L**

QC Batch ID : Qb25080150 **Created Date :** 08/01/25 **Created By :** Srijan

Samples in This QC Batch : 25073039.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Ammonia as N	NH3-N	< MDL	mg/L	1.00	0.1	0.01385		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ammonia as N	1	0.991	99.1	1	1.00	100	0.9	20	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25072869.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	2.83	1	3.82	99	1	3.82	99.2	0	10	90-110	

QC Type: MS2 and MSD2
QC Sample ID: 25072922.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	0.294	1	1.25	95.1	1	1.29	99.3	3.3	10	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25080153 **Created Date :** 08/01/25 **Created By :** Rajeev

Samples in This QC Batch : 25073039.01

Digestion : PB25080125 **Prep Method :** EPA 200.7 **Prep Date :** 08/01/25 09:00 **Prep By :** Mwissman

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL	Qual
ICB	Aluminum	7429-90-5T	< MDL	mg/L	1	0.01	0.00647	
ICB	Antimony	7440-36-0	< MDL	mg/L	1	0.01	0.00239	
ICB	Arsenic	7440-38-2T	< MDL	mg/L	1	0.01	0.00248	
ICB	Barium	7440-39-3T	< MDL	mg/L	1	0.01	0.00119	
ICB	Beryllium	7440-41-7	< MDL	mg/L	1	0.01	0.00119	
ICB	Boron	7440-42-8T	< MDL	mg/L	1	0.01	0.00336	
ICB	Cadmium	7440-43-9	< MDL	mg/L	1	0.01	0.00119	
ICB	Chromium	7440-47-3T	< MDL	mg/L	1	0.01	0.00119	
ICB	Cobalt	7440-48-4	< MDL	mg/L	1	0.01	0.00154	
ICB	Copper	7440-50-8	< MDL	mg/L	1	0.01	0.00119	
ICB	Iron	7439-89-6T	< MDL	mg/L	1	0.01	0.00283	
ICB	Lead	7439-92-1T	< MDL	mg/L	1	0.01	0.00433	
ICB	Magnesium	7439-95-4T	< MDL	mg/L	1	0.02	0.00999	
ICB	Manganese	7439-96-5	< MDL	mg/L	1	0.01	0.00119	
ICB	Molybdenum	7439-98-7	< MDL	mg/L	1	0.01	0.00119	
ICB	Nickel	7440-02-0	< MDL	mg/L	1	0.01	0.00119	
ICB	Selenium	7782-49-2	< MDL	mg/L	1	0.01	0.00493	
ICB	Silver	7440-22-4	< MDL	mg/L	1	0.01	0.00248	
ICB	Thallium	7440-28-0	< MDL	mg/L	1	0.01	0.00119	
ICB	Zinc	7440-66-6T	< MDL	mg/L	1	0.01	0.01	
Method Blank	Aluminum	7429-90-5T	< MDL	mg/L	1	0.01	0.00647	
Method Blank	Antimony	7440-36-0	< MDL	mg/L	1	0.01	0.00239	
Method Blank	Arsenic	7440-38-2T	< MDL	mg/L	1	0.01	0.00248	
Method Blank	Barium	7440-39-3T	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Beryllium	7440-41-7	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Boron	7440-42-8T	< MDL	mg/L	1	0.01	0.00336	
Method Blank	Cadmium	7440-43-9	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Chromium	7440-47-3T	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Cobalt	7440-48-4	< MDL	mg/L	1	0.01	0.00154	
Method Blank	Copper	7440-50-8	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Iron	7439-89-6T	< MDL	mg/L	1	0.01	0.00283	
Method Blank	Lead	7439-92-1T	< MDL	mg/L	1	0.01	0.00433	
Method Blank	Magnesium	7439-95-4T	< MDL	mg/L	1	0.02	0.00999	
Method Blank	Manganese	7439-96-5	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Molybdenum	7439-98-7	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Nickel	7440-02-0	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Selenium	7782-49-2	< MDL	mg/L	1	0.01	0.00493	
Method Blank	Silver	7440-22-4	< MDL	mg/L	1	0.01	0.00248	

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Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25080153 **Created Date :** 08/01/25 **Created By :** Rajeev

Samples in This QC Batch : 25073039.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Thallium	7440-28-0	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Zinc	7440-66-6T	< MDL	mg/L	1	0.01	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aluminum	1	0.983	98.3	1	1.01	101	2.7	20	85-115	
Antimony	1	1.03	103	1	1.06	106	2.6	20	85-115	
Arsenic	1	1.04	104	1	1.07	107	2.6	20	85-115	
Barium	1	1.00	101	1	1.03	103	2.5	20	85-115	
Beryllium	1	0.988	98.8	1	1.01	101	2.2	20	85-115	
Boron	1	1.02	102	1	1.04	104	2.3	20	85-115	
Cadmium	1	0.996	99.6	1	1.02	102	2.4	20	85-115	
Chromium	1	1.01	101	1	1.03	103	1.9	20	85-115	
Cobalt	1	0.999	99.9	1	1.02	102	2.1	20	85-115	
Copper	1	1.00	100	1	1.02	102	1.9	20	85-115	
Iron	1	0.982	98.2	1	1.00	100	1.8	20	85-115	
Lead	1	0.991	99.1	1	1.01	102	1.9	20	85-115	
Magnesium	1	0.977	97.7	1	1.00	100	2.3	20	85-115	
Manganese	1	0.979	97.9	1	1.00	100	2.1	20	85-115	
Molybdenum	1	0.981	98.1	1	1.02	102	3.9	20	85-115	
Nickel	1	1.00	100	1	1.02	103	1.8	20	85-115	
Selenium	1	1.02	102	1	1.04	104	2.3	20	85-115	
Silver	1	1.01	101	1	1.03	103	2.4	20	85-115	
Thallium	1	0.939	93.9	1	0.965	96.5	2.7	20	85-115	
Zinc	1	0.996	99.6	1	1.02	102	2.4	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25073039.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.0230	1	1.14	112						75-125	
Antimony	BRL	1	1.05	105.1						75-125	
Arsenic	0.0310	1	1.10	106						75-125	
Barium	0.0730	1	1.08	100						75-125	
Beryllium	BRL	1	0.884	88.4						75-125	
Boron	4.53	1	5.56	103						75-125	
Cadmium	BRL	1	0.834	83.4						75-125	
Chromium	BRL	1	0.894	89.4						75-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25080153 **Created Date :** 08/01/25 **Created By :** Rajeev

Samples in This QC Batch : 25073039.01

QC Type: MS and MSD
QC Sample ID: 25073039.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Cobalt	BRL	1	0.850	85						75-125	
Copper	BRL	1	1.07	107						75-125	
Iron	0.0740	1	0.933	85.9						75-125	
Lead	BRL	1	0.810	81						75-125	
Magnesium	135	1	101	-3401.1						75-125	M6
Manganese	0.0450	1	0.916	87.1						75-125	
Molybdenum	0.0750	1	1.00	92.6						75-125	
Nickel	BRL	1	0.826	82.6						75-125	
Selenium	BRL	1	1.04	104						75-125	
Silver	BRL	1	1.08	108						75-125	
Thallium	BRL	1	0.723	72.3						75-125	M2
Zinc	BRL	1	1.00	100						75-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25080155 **Created Date :** 08/01/25 **Created By :** Rajeev

Samples in This QC Batch : 25073039.01

Digestion : PB25080127 **Prep Method :** EPA 200.7 **Prep Date :** 08/01/25 09:00 **Prep By :** Mwissman

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
ICB	Phosphorus	7723-14-0	< MDL	mg/L	1	0.01	0.01		
ICB	Tin	7440-31-5	< MDL	mg/L	1	0.01	0.01		
Method Blank	Phosphorus	7723-14-0	< MDL	mg/L	1	0.01	0.01		
Method Blank	Tin	7440-31-5	< MDL	mg/L	1	0.01	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Phosphorus	1	0.981	98.1	1	1.01	101	2.9	20	80-120	
Tin	1	0.993	99.3	1	1.02	103	2.7	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25073039.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Phosphorus	0.484	1	1.50	102						80-120	
Tin	BRL	1	0.847	84.7						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : Metals by ICP/MS **Method :** EPA 200.8 **Reporting Units :** mg/L

QC Batch ID : Qb25080171 **Created Date :** 08/01/25 **Created By :** Abhishek

Samples in This QC Batch : 25073039.01

Digestion : PB25080134 **Prep Method :** EPA 200.8 **Prep Date :** 08/01/25 08:40 **Prep By :** JYou

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Aluminum	7429-90-5T	< MDL	mg/L	1	0.001	0.00079		
Method Blank	Antimony	7440-36-0	< MDL	mg/L	1	0.0005	0.00013		
Method Blank	Arsenic	7440-38-2T	< MDL	mg/L	1	0.00025	3E-05		
Method Blank	Barium	7440-39-3T	< MDL	mg/L	1	0.0005	9E-05		
Method Blank	Beryllium	7440-41-7	< MDL	mg/L	1	0.00025	6E-05		
Method Blank	Cadmium	7440-43-9	< MDL	mg/L	1	0.00025	3E-05		
Method Blank	Chromium	7440-47-3T	< MDL	mg/L	1	0.00025	0.00013		
Method Blank	Cobalt	7440-48-4	< MDL	mg/L	1	0.00025	6E-05		
Method Blank	Copper	7440-50-8	< MDL	mg/L	1	0.0005	9E-05		
Method Blank	Iron	7439-89-6T	< MDL	mg/L	1	0.025	0.01265		
Method Blank	Lead	7439-92-1T	< MDL	mg/L	1	0.00025	3E-05		
Method Blank	Magnesium	7439-95-4T	< MDL	mg/L	1	0.025	0.00688		
Method Blank	Manganese	7439-96-5	< MDL	mg/L	1	0.0005	6E-05		
Method Blank	Molybdenum	7439-98-7	< MDL	mg/L	1	0.00025	9E-05		
Method Blank	Nickel	7440-02-0	< MDL	mg/L	1	0.00025	0.00038		
Method Blank	Selenium	7782-49-2	< MDL	mg/L	1	0.001	0.00031		
Method Blank	Silver	7440-22-4	< MDL	mg/L	1	0.0005	0.00013		
Method Blank	Thallium	7440-28-0	< MDL	mg/L	1	0.00025	6E-05		
Method Blank	Titanium	7440-32-6	< MDL	mg/L	1	0.00025	0.00013		
Method Blank	Zinc	7440-66-6T	< MDL	mg/L	1	0.002	0.00047		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aluminum	0.05	0.0512	102	0.05	0.0514	103	0.3	20	85-115	
Antimony	0.05	0.0505	101	0.05	0.0508	102	0.6	20	85-115	
Arsenic	0.05	0.0511	102	0.05	0.0509	102	0.5	20	85-115	
Barium	0.05	0.0518	104	0.05	0.0509	102	1.7	20	85-115	
Beryllium	0.05	0.0508	102	0.05	0.0507	101	0.2	20	85-115	
Cadmium	0.05	0.0507	101	0.05	0.0506	101	0.2	20	85-115	
Chromium	0.05	0.0509	102	0.05	0.0513	103	0.7	20	85-115	
Cobalt	0.05	0.0511	102	0.05	0.0516	103	0.9	20	85-115	
Copper	0.05	0.0519	104	0.05	0.0518	104	0.2	20	85-115	
Iron	5	5.23	105	5	5.27	105	0.7	20	85-115	
Lead	0.05	0.0507	101	0.05	0.0512	102	1	20	85-115	
Magnesium	5	5.28	106	5	5.23	105	1	20	85-115	
Manganese	0.05	0.0514	103	0.05	0.0517	103	0.6	20	85-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : Metals by ICP/MS **Method : EPA 200.8** **Reporting Units : mg/L**

QC Batch ID : Qb25080171 **Created Date :** 08/01/25 **Created By :** Abhishek

Samples in This QC Batch : 25073039.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Molybdenum	0.05	0.0511	102	0.05	0.0507	101	0.9	20	85-115	
Nickel	0.05	0.0516	103	0.05	0.0516	103	0.1	20	85-115	
Selenium	0.05	0.0511	102	0.05	0.0510	102	0.2	20	85-115	
Silver	0.05	0.0514	103	0.05	0.0512	102	0.5	20	85-115	
Thallium	0.05	0.0504	101	0.05	0.0509	102	1	20	85-115	
Titanium	0.05	0.0530	106	0.05	0.0503	101	5.3	20	85-115	
Zinc	0.05	0.0525	105	0.05	0.0520	104	0.9	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25073023.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.133	0.1	0.314	182						70-130	M1
Antimony	BRL	0.1	0.101	101						70-130	
Arsenic	0.00179	0.1	0.103	101						70-130	
Barium	0.176	0.1	0.283	107						70-130	
Beryllium	BRL	0.1	0.104	104						70-130	
Cadmium	BRL	0.1	0.101	101						70-130	
Chromium	BRL	0.1	0.105	105						70-130	
Cobalt	BRL	0.1	0.104	104						70-130	
Copper	0.00839	0.1	0.110	101						70-130	
Iron	0.432	10	11.5	111						70-130	
Lead	BRL	0.1	0.104	104						70-130	
Magnesium	13.2	10	23.1	98.3						70-130	
Manganese	0.0309	0.1	0.138	108						70-130	
Molybdenum	0.00252	0.1	0.105	103						70-130	
Nickel	0.00198	0.1	0.103	101						70-130	
Selenium	0.00162	0.1	0.105	104						70-130	
Silver	BRL	0.1	0.103	103						70-130	
Thallium	BRL	0.1	0.107	107						70-130	
Titanium	0.00138	0.1	0.109	107						70-130	
Zinc	0.0256	0.1	0.132	107						70-130	

QC Type: MS2 and MSD2
QC Sample ID: 25073100.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.00399	0.1	0.101	97.5						70-130	
Antimony	BRL	0.1	0.0951	95.1						70-130	
Arsenic	0.00057	0.1	0.0950	94.4						70-130	

ab-q213-0321

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : **Metals by ICP/MS** **Method :** **EPA 200.8** **Reporting Units :** **mg/L**

QC Batch ID : Qb25080171 **Created Date :** 08/01/25 **Created By :** Abhishek

Samples in This QC Batch : 25073039.01

QC Type: MS2 and MSD2
QC Sample ID: 25073100.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Barium	0.00130	0.1	0.0962	94.9						70-130	
Beryllium	BRL	0.1	0.0947	94.7						70-130	
Cadmium	BRL	0.1	0.0979	97.9						70-130	
Chromium	0.00041	0.1	0.101	101						70-130	
Cobalt	BRL	0.1	0.101	101						70-130	
Copper	0.00095	0.1	0.0975	96.5						70-130	
Iron	0.0488	10	10.2	102						70-130	
Lead	0.00004	0.1	0.0970	97						70-130	
Magnesium	0.0379	10	9.81	98.1						70-130	
Manganese	0.00188	0.1	0.101	99						70-130	
Molybdenum	0.00045	0.1	0.0967	96.7						70-130	
Nickel	0.00110	0.1	0.0983	97.2						70-130	
Selenium	BRL	0.1	0.0886	88.6						70-130	
Silver	BRL	0.1	0.100	100						70-130	
Thallium	BRL	0.1	0.0992	99.2						70-130	
Titanium	BRL	0.1	0.0936	93.6						70-130	
Zinc	0.0102	0.1	0.107	96.6						70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : Total Kjeldahl Nitrogen **Method : EPA 351.2** **Reporting Units : mg/L**

QC Batch ID : Qb25080180 **Created Date :** 07/31/25 **Created By :** Srijan

Samples in This QC Batch : 25073039.01

Sample Preparation : PB25080152 **Prep Method :** EPA 351.2_ **Prep Date :** 07/31/25 18:00 **Prep By :** Srijan

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TKN		< MDL	mg/L	1.00	0.2	0.02446		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TKN	1	1.09	109	1	1.08	108	0.6	10	90-110	

QC Type: MS and MSD
QC Sample ID: 25073003.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TKN	3.57	1	4.97	140	1	5.00	143	0.6	10	90-110	M8

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : **Method :** **EPA 1664B** **Reporting Units : mg/L**

QC Batch ID : Qb25080195 **Created Date :** 08/01/25 **Created By :** NAmarasinghe

Samples in This QC Batch : 25073039.01

Sample Preparation : PB25080159 **Prep Method :** EPA 1664B **Prep Date :** 08/01/25 16:00 **Prep By :** NAmarasinghe

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Oil & Grease		< MDL	mg/L	1	2.5	1.4		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Oil & Grease	40	35.6	89.0	40	36.3	90.8	1.9	11	78-114	

QC Type: MS and MSD
QC Sample ID: 25073039.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Oil & Grease	BRL	40	38.3	95.8						78-114	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : Anions **Method : EPA 300.0** **Reporting Units : mg/L**

QC Batch ID : Qb25080436 **Created Date :** 08/01/25 **Created By :** KPerera

Samples in This QC Batch : 25073039.01

Sample Preparation : PB25073146 **Prep Method :** EPA 300.0 **Prep Date :** 07/31/25 17:00 **Prep By :** KPerera

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Bromide	24959-67-9	< MDL	mg/L	1.00	0.1	0.03		
Method Blank	Chloride	16887-00-6	< MDL	mg/L	1.00	0.1	0.02		
Method Blank	Fluoride	16984-48-8	< MDL	mg/L	1.00	0.1	0.01		
Method Blank	Nitrate-N	14797-55-8	< MDL	mg/L	1.00	0.1	0.01		
Method Blank	Sulfate	14808-79-8	< MDL	mg/L	1.00	0.1	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Bromide	1	0.988	98.8	1	0.989	98.9	0.1	20	90-110	
Chloride	1	0.945	94.5	1	0.957	95.7	1.3	20	90-110	
Fluoride	1	0.967	96.7	1	0.974	97.4	0.7	20	90-110	
Nitrate-N	1	0.959	95.9	1	0.966	96.6	0.7	20	90-110	
Sulfate	1	1.07	107	1	1.02	102	4.4	20	90-110	

QC Type: MS and MSD
QC Sample ID: 25073089.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Bromide	BRL	1	1.00	100						80-120	
Chloride	0.428	1	1.84	142						80-120	M1
Fluoride	BRL	1	1.01	101						80-120	
Nitrate-N	BRL	1	1.03	103						80-120	
Sulfate	0.200	1	2.76	256						80-120	M1

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : Sulfide **Method : SM 4500-S D** **Reporting Units : mg/L**

QC Batch ID : Qb250805103 **Created Date :** 08/05/25 **Created By :** KLyle

Samples in This QC Batch : 25073039.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB1	Sulfide	18496-25-8	< MDL	mg/L	1	0.05	0.013		
Method Blank	Sulfide	18496-25-8	< MDL	mg/L	1	0.05	0.013		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Sulfide	0.2	0.200	100.0	0.2	0.208	104.0	3.9	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25072875.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Sulfide	0.415	0.2	0.633	109.0	0.2	0.610	97.5	3.7	20	70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : CVAFS **Method : EPA 1631E** **Reporting Units : ng/L**

QC Batch ID : Qb250805106 **Created Date :** 08/05/25 **Created By :** Abhishek

Samples in This QC Batch : 25073039.01,02

Digestion : PB25080549 **Prep Method :** EPA 1631E **Prep Date :** 08/02/25 10:00 **Prep By :** Abhishek

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Blank 2	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		
Blank 3	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		
Method Blank	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	5	5.4200	108	5	5.3400	107	1.5	24	77-123	

QC Type: MS and MSD
QC Sample ID: 25072884.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	0.82500	5	6.0400	104	5	5.7800	99.1	4.4	24	71-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : Nitrate+Nitrite Nitrogen by Automated Colorimetry **Method :** EPA 353.2 **Reporting Units :** mg/L

QC Batch ID : Qb250805131 **Created Date :** 08/05/25 **Created By :** Srijan

Samples in This QC Batch : 25073039.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Nitrate/Nitrite as N		< MDL	mg/L	1.00	0.02	0.00647		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Nitrate/Nitrite as N	0.1	0.0926	92.6	0.1	0.0933	93.3	0.8	20	90-110	

QC Type: MS and MSD
QC Sample ID: 25072927.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nitrate/Nitrite as N	0.0591	0.1	0.159	100	0.1	0.161	102	0.9	20	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : Cyanide, Amenable Ultra Low **Method : SM 4500CN-CG** **Reporting Units : mg/L**

QC Batch ID : Qb250805135 **Created Date :** 08/05/25 **Created By :** Srijan

Samples in This QC Batch : 25073039.01

Sample Preparation : PB25080569 **Prep Method :** SM 4500CN-CG **Prep Date :** 08/05/25 20:50 **Prep By :** Srijan

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Cyanide, Amenable	57-12-5	< MDL	mg/L	1	0.002	0.00069		

QC Type: Duplicate

QC Sample ID: 25080307.02

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Cyanide, Amenable	0.0025	0.0030	mg/L	18.2	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Cyanide, Amenable	0.01	0.0106	106.0	0.01	0.0100	100.0	5.8	20	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : **Alkalinity** **Method :** **SM 2320B** **Reporting Units :** **mg CaCO3/L**

QC Batch ID : Qb25080536 **Created Date :** 08/05/25 **Created By :** DKunwar

Samples in This QC Batch : 25073039.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Alkalinity		< MDL	mg CaCO3/L	1	20	3.36		

QC Type: Duplicate

QC Sample ID: 25072793.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Alkalinity	678.7	676.7	mg CaCO3	0.3	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Alkalinity	1250	1251.3	100.0	1250	1261.3	101.0	0.8	20	91.7-114	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : Biochemical Oxygen Demand (BOD5) **Method :** SM 5210B **Reporting Units :** mg/L

QC Batch ID : Qb25080609 **Created Date :** 07/31/25 **Created By :** sadeshp

Samples in This QC Batch : 25073039.01

Sample Preparation : PB25073150 **Prep Method :** SM 5210B **Prep Date :** 07/31/25 19:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	BOD		< MDL	mg/L	1	2	2		

QC Type: Duplicate

QC Sample ID: 25073065.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
BOD	2.13	2.14	mg/L	0.5	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
BOD	198	177.00	89.4	198	173.00	87.4	2.3	20	84.6-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : Carbonaceous Biochemical Oxygen Demand **Method :** SM 5210B **Reporting Units :** mg/L

QC Batch ID : Qb25080610 **Created Date :** 08/01/25 **Created By :** sadeshp

Samples in This QC Batch : 25073039.01

Sample Preparation : PB25080165 **Prep Method :** SM 5210B **Prep Date :** 08/01/25 11:30 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	CBOD		< MDL	mg/L	1	----	2		

QC Type: Duplicate

QC Sample ID: 25080082.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
CBOD	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
CBOD	198	175.00	88.4	198	172.00	86.9	1.7	20	84.6-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : Phosphorus **Method : SM 4500P-E** **Reporting Units : mg/L**

QC Batch ID : Qb25080672 **Created Date :** 08/06/25 **Created By :** KLyle

Samples in This QC Batch : 25073039.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Phosphorus	7723-14-0	< MDL	mg/L	1	0.05	0.00612		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Phosphorus	0.2	0.196	98.0	0.2	0.200	100.0	2	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25080311.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Phosphorus	0.193	0.2	0.395	101.0	0.2	0.375	91.0	5.2	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25073039 **Date :** 8/7/2025

Analysis : True Color **Method : SM 2120B** **Reporting Units : PCU**

QC Batch ID : Qb25080765 **Created Date :** 07/31/25 **Created By :** KLyle

Samples in This QC Batch : 25073039.01

QC Type: Duplicate

QC Sample ID: 25073039.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Color	BRL	BRL	PCU	0	20		

The Chain of Custody is a Legal Document

Job ID:25073039

07/31/2025 North Alamo Water Supply ANA

1. REPORT TO:	2. INVOICE TO:	3. PO # QT25062703
North Alamo Water Supply		4. Turnaround Time- Business Days
420 S. Doolittle Rd.	On file	☐ 1 Day * ☐ 5 Days *
Edinburg, TX 78542		☐ 2 Days * ☑ 7 Days-Standard
Roland Zamora		☐ 3 Days * ☐ Other
956-651-0400		* Surcharge Applies
Dist List		*Day Zero is the day sample is received. Report due at 5pm on due day.*

A&B JOB ID

5. Project #

6. Project Name / Location: La Sara RO Discharge Permit Renewal

7. Reporting Requirement: ☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☑ MDL Rpt

8. Sampler's Name & Co: INEOS/ Saul Leal North Alamo water Supply — Sampler's Signature & Date: 7-30-25

9. Sample ID & Description	Lab Use Only	10. Sampling Date	10. Sampling Time	11. comp	11. grab	12. Matrix Water	12. Matrix Soil	13. Total No. of Containers	BOD, CBOD, TDS, TSS, HexCr_Low, Color, Surfactants, SUB, Alkalinity	Low Level Mercury	Metals 200.8, Metals 200.7, Metals_Blist 200.7, Ti_Cl_Low	Sulfide (If not done in the field)	Ammonia, TOC, TON, COD, TKN, Phosphorus, NO3+NO2	***Anions 300.0	O&G_HEM	Cyanide_Amenable Ultra Low	Sulfide	*Field Tests - Ph, Temp, Chlorine, DO, Sulfite	Number of Containers 14. Containers*	15. Preservatives**	16. pH-Lab Only	18. Comments
								4	3	1	1	1	1	1	2	1	1					
								P	VOA	P	P	P	P	P	G	P	P					
								C	H	N	C	S	C	S		OH,X	OH,ZnA					
La Sara RO Discharge	0100	7-30-25	1600	X		X		15	X	X	X	X	X	X	X	X	X	X				*Metals 200.8 - Al,Sb,As,Ba,Be,Cd,Co,Cr,Cu,Pb,Mn,Mo,Ni,Se,Ag,Tl,Ti,Zn Metals 200.7 - B,Fe,Mg Metals_Blist 200.7 - Tin
Field Blank	0100	7-30-25	1550		X	X		3		X											pH 7.78 Temp 89.8 Chlorine .03 mg/L DO 3.18 mg/L Sulfite

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1) Saul Leal	7-30-25	1700	1) FedEx		
2) FedEx	7/31/25	1017	2)	7/31/25	1017
3)			3)		

***Anions: Bromide, Chloride, Fluoride, Nitrate,Sulfate

*Containers: VOA- 40 ml vial; 4 oz/8 oz- glass wide mouth; A/G- Amber/Glass 1 Liter; P/O- Plastic/other

**Preservatives: C-Cool H- HCl N- HNO3 S-H2SO4 OH- NaOH T-Na2S2O3 X- Other: NaAsO2

Temperature: 5.6 Corr 5.6 ☑ Y ☐ N

Intact? Initials RM

BILL OF LADING/TRACKING #

METHOD OF SHIPMENT

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

SHORT HOLD TIMES: Color, HexCr - 24hr / BOD, CBOD, Nitrate, Surfactant - 48hr

ORIGIN ID:MFEA (956) 533-1193
ROLAND ZAMORA
NORTH ALAMO WATER SUPPLY
420 S. DOOLITTLE RD.

EDINBURG, TX 78539
UNITED STATES US

SHIP DATE: 22JUL25
ACTWGT: 30.00 LB
CAD: 251130814/INET4535

TO **REVATHI PONNAMBALAM**
A&B ENVIRONMENTAL SERVICES
10100 EAST FWY STE 100

HOUSTON TX 77029
(713) 453-6060 REF:
INV:
PO: DEPT:

58GJ599C7/59F2

RMA:

FedEx Express

RETURNS MON-FRI
PRIORITY OVERNIGHT

TRK# 0221 **7918 5912 9180**

77029

TX-US

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Sample Condition Checklist

A&B JobID : **25073039**	Date Received : **07/31/2025**	Time Received : **10:17AM**
Client Name : **North Alamo Water Supply**		
Temperature : **5.6°C**	Sample pH : **<2 NH3, TOC, TON, TKN, P, NO3NO2, Metals >9 Sulfi**	
Thermometer ID : **IR10**	pH Paper ID : **128919**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**	X		
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**	X		
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**	X		

Comments : Include actions taken to resolve discrepancies/problem:

CN: NaOH+NaAsO2. Sulfide contains no headspace. ~KS 07/31/25

Brought by : FedEx

Received by : KSmith

Check in by/date : KSmith / 07/31/2025

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 15

Job ID : 25080765

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
La Sara RO Discharge Permit Renewal

Report To :	Client Name:	North Alamo Water Supply	P.O.#.:	
	Attn:	Roland Zamora	Sample Collected By:	Saul Leal
	Client Address:	420 S. Doolittle Rd.	Date Collected:	08/07/25
	City, State, Zip:	Edinburg, Texas, 78539		

Client Sample ID	Matrix	A&B Sample ID
La Sara RO Discharge	Water	25080765.01

This analysis was subcontracted to :
ALS Laboratory Group, 10450 Stancliff Rd, Suite 210
Houston, Texas, 77099-4338

Released By: Ashley Arnett
Title: Project Manager
Date: 08/22/2025

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

ab-q210-0321

Date Received : 08/08/2025 10:10

25.1.27500

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 20, 2025

Shantall Carpenter
A & B Labs
10100 East Freeway
Suite 100
Houston, TX 77029

Work Order: **HS25080423**

Laboratory Results for: **La Sara RO Discharge**

Dear Shantall Carpenter,

ALS Environmental received 1 sample(s) on Aug 08, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
Andy C. Neir
Project Manager

Client: A & B Labs
Project: La Sara RO Discharge
Work Order: HS25080423

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25080423-01	La Sara RO Discharge	Water		07-Aug-2025 15:20	08-Aug-2025 15:03	☐

RIGHT SOLUTIONS | RIGHT PARTNER

Client: A & B Labs **CASE NARRATIVE**
Project: La Sara RO Discharge
Work Order: HS25080423

WetChemistry by Method SM5540C

Batch ID: 231511

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: A & B Labs
Project: La Sara RO Discharge
Sample ID: La Sara RO Discharge
Collection Date: 07-Aug-2025 15:20

ANALYTICAL REPORT
WorkOrder:HS25080423
Lab ID:HS25080423-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
SURFACTANTS (MBAS) BY SM5540C		**Method:SM5540C**		Prep:SM5540C / 09-Aug-2025		Analyst: MH
MBAS	ND		0.0500	mg/L 340 MW LAS	1	09-Aug-2025 08:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

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Weight / Prep Log

Client: A & B Labs
Project: La Sara RO Discharge
WorkOrder: HS25080423

Batch ID: 231511 **Start Date:** 09 Aug 2025 07:05 **End Date:** 09 Aug 2025 07:05
Method: MBAS - PREPARATION **Prep Code:** MBAS_PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25080423-01		400 (mL)	400 (mL)	1	1-L plastic, Neat

RIGHT SOLUTIONS | RIGHT PARTNER

Client: A & B Labs
Project: La Sara RO Discharge
WorkOrder: HS25080423

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 231511 (0)	**Test Name :** SURFACTANTS (MBAS) BY SM5540C				**Matrix:** Water	
HS25080423-01	La Sara RO Discharge	07 Aug 2025 15:20		09 Aug 2025 07:05	09 Aug 2025 08:04	1

RIGHT SOLUTIONS | RIGHT PARTNER

Client: A & B Labs
Project: La Sara RO Discharge
WorkOrder: HS25080423

QC BATCH REPORT

Batch ID: 231511 (0) **Instrument: UV-2450** **Method: SURFACTANTS (MBAS) BY SM5540C**

MBLK Sample ID: **MBLK-231511** Units: **mg/L 340 MW LAS** Analysis Date: **09-Aug-2025 08:04**
Client ID: Run ID: **UV-2450_519367** SeqNo: **8978646** PrepDate: **09-Aug-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	ND	0.0500								

LCS Sample ID: **LCS-231511** Units: **mg/L 340 MW LAS** Analysis Date: **09-Aug-2025 08:04**
Client ID: Run ID: **UV-2450_519367** SeqNo: **8978644** PrepDate: **09-Aug-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.494	0.0500	0.5	0	98.8	85 - 115				

LCSD Sample ID: **LCSD-231511** Units: **mg/L 340 MW LAS** Analysis Date: **09-Aug-2025 08:04**
Client ID: Run ID: **UV-2450_519367** SeqNo: **8978645** PrepDate: **09-Aug-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.485	0.0500	0.5	0	97.0	85 - 115	0.494	1.84	20	

MS Sample ID: **HS25080423-01MS** Units: **mg/L 340 MW LAS** Analysis Date: **09-Aug-2025 08:04**
Client ID: **La Sara RO Discharge** Run ID: **UV-2450_519367** SeqNo: **8978643** PrepDate: **09-Aug-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.494	0.0500	0.5	0.004	98.0	80 - 120				

The following samples were analyzed in this batch: HS25080423-01

RIGHT SOLUTIONS | RIGHT PARTNER

Client: A & B Labs
Project: La Sara RO Discharge
WorkOrder: **HS25080423**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

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CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2026
Arkansas	88-00356_2024	17-Mar-2026
California	2919 - 2025	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Dept of Defense	L24-240	30-Apr-2026
Florida	E87611-2025	30-Jun-2026
Illinois	200032 - 2025	31-Jul-2026
Kansas	KS-C25-00168	31-Jul-2026
Kentucky	123043-2025	30-Apr-2026
Louisiana	03087-2025	30-Jun-2026
Maine	2024017	23-Jun-2026
Michigan	9971-2025	30-Apr-2026
Minnesota	2856348	31-Dec-2025
Missouri	136	30-Sep-2026
Nebraska	NE-OS-25-13 - 2025	30-Apr-2026
Nevada	NV-C25-00124 - 2025	31-Jul-2026
New Hampshire	209425	24-Apr-2026
New Jersey	TX008-2025	30-Jun-2026
New York	11707 - 2025	01-Apr-2026
North Carolina	624 - 2024	31-Dec-2025
North Dakota	R-193 2023-2024	30-Sep-2025
Oklahoma	2023-140	31-Aug-2025
Oregon	TX200002-013	15-May-2026
Pennsylvania	019	01-Jul-2026
Tennessee	TN	30-Apr-2026
Texas	T104704231 TX-C24-00130	30-Apr-2026

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Sample Receipt Checklist

Work Order ID: HS25080423 **Date/Time Received:** **08-Aug-2025 15:03**

Client Name: AB_Labs_Hou **Received by:** **Edgar Zheku**

Completed By: */S/ Chelsea Rogers* (eSignature) 08-Aug-2025 17:21 (Date/Time) **Reviewed by:** */S/ Beverly Mustafa* (eSignature) 11-Aug-2025 10:17 (Date/Time)

Matrices: **W** Carrier name: **Client**

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 ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	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 ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	4.9UC/4.9C	IR 34
Cooler(s)/Kit(s):	RED	
Date/Time sample(s) sent to storage:	08/08/2025 17:21	

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

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Subcontract Laboratory Chain-of-Custody

A & B Labs	Send To:	Report To:	Turnaround Time:
10100 East Freeway	Company: ALS Environmental	Company: A&B Labs	**Standard TAT: X**
Suite 100	Address: 10450 Stancliff Rd., Ste. 210	Address: 10100 East Frwy Suite 100	
Houston, TX 77029	Houston, TX 77099	Houston, TX 77029	**Need Results by:**
713-453-6060	Contact: Hussam Kelany	Contact: Alisha Hughes/Amanda Shute	**PO# 55840 / 25080765**
713-453-6091 fax	Phone: 281-530-5656	Phone: 713-453-6060 xt 127	**Quote:**
info@ablabs.com	Fax: 713-266-0130	Email: reports@ablabs.com	P / C — **Bottle Type** / **Preservatives**
	Email: hussam.kelany@alsglobal.com	CC:	

PLEASE EMAIL INVOICE TO: ACCOUNTSPAYABLE@ABLABS.COM

Special Instructions or Comments:

Lab #	Item	Sample ID / Name	Collection Date	Collection Time	Comp	Grab	Matrix	# of Containers	Container Types	Surfactants		Remarks:
25080765.01	1	La Sara RO Discharge	8/7/25	15:20	X		W	1	P	X		
	2											
	3											
	4											
	5	***PLEASE WATCH HOLD TIME***										
	6											
	7											
	8											
	9											
	10											

HS2508042 3
A & B Labs
La Sara RO Discharge

Matrix: **WW**-Wastewater **W**-Water **DW**-Drinking Water **S**-Soil **SD**-Solid **L**-Liquid **SL**-Sludge **O**-Oil **A**-Air Bag **Can**-Air Canister **B**-OVM Badge **T**-Tube
Preservatives: **C**-Cool/Ice **H**-HCl **N**-Nitric Acid **S**-Sulfuric Acid **OH**-NaOH **T**-Sodium Thiosulfate **O**- Other (specify)_____
Containers: **VOA**-40 ml vial **A**-amber 1 liter **G**-glass 1 liter **4oz** or **8oz** - 4/8 ounce glass **P**-Plastic

Relinquished By:	Date	Time		Received By:	Date	Time
	8-8-25	1503		8/8/25 15:03		

Rcd 4.9 EH34 1FC-0

ab-s004-0309

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The Chain of Custody is a Legal Document

Job ID:25080765

08/08/2025 North Alamo Water Supply ANA

1. REPORT TO:	North Alamo Water Supply 420 S. Doolittle Rd. Edinburg, TX 78542 Roland Zamora 956-651-0400 Dist List
2. INVOICE TO:	On file
3. PO #	QT25062703
4. Turnaround Time- Business Days	☐ 1 Day * ☐ 5 Days * ☐ 2 Days * ☑ 7-Days-Standard ☐ 3 Days * ☐ Other * Surcharge Applies *Day Zero is the day sample is received. Report due at 5pm on due day.*
A&B JOB ID	
5. Project #	
6. Project Name / Location	La Sara RO Discharge Permit Renewal
7. Reporting Requirement	☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☑ MDL Rpt
8. Sampler's Name & Co	INEOS/ Scott Lunt North Alamo Water Supply
Sampler's Signature & Date	8-7-25

9. Sample ID & Description	Lab Use Only	10. Sampling Date	10. Sampling Time	11. comp	11. grab	12. Matrix Water	12. Matrix Soil	13. Total No. of Containers	BOD, CBOD, TDS, TSS, HexCr, Low, Color, Surfactants_SUB, Alkalinity	Low Level Mercury	Metals 200.8, Metals 200.7, Metals_Blist 200.7, TriCr_Low	Sulfide_ (If not done in the field)	Ammonia, TOC, TON, COD, TKN, Phosphorus, NO3+NO2	***Anions 300.0	O&G_HEM	Cyanide_Amenable Ultra Low	Sulfide	*Field Tests - Ph, Temp, Chlorine, DO, Sulfite	Number of Containers
								4	3	1	1	1	1	2	1	1			14. Containers*
								P	VOA	P	P	P	P	G	P	P			
								C	H	N	C	S	C	S	OH,X	OH,ZnA			15. Preservatives**
																			16. pH-Lab Only
																			*Metals 200.8 Al,Sb,As,Ba,Be,Cd,Co,Cr, Cu,Pb,Mn,Mo,Ni,Se,Ag,Tl, Ti,Zn Metals 200.7 - B,Fe,Mg Metals_Blist 200.7 - Tin
La Sara RO Discharge	01AO	8-7-25	1520	X		X		15	X	X	X	X	X	X	X	X	X		18. Comments
Field Blank	02AC	8-7-25	1500		X	X		3		X									pH 7.84 Temp 88.2°F Chlorine - 0.4 mg/L DO 3.07 Sulfite

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1) Scott Lunt	8-7-25	1650	1) Fedex		
2) Fedex	8.8.25	1010	2) Brandon	8-8-25	1010
3)			3)		

***Anions: Bromide, Chloride, Fluoride, Nitrate, Sulfate

*Containers: VOA- 40 ml vial; 4 oz/8 oz- glass wide mouth; A/G- Amber/Glass 1 Liter; P/O- Plastic/other

**Preservatives: C-Cool H- HCl N- HNO3 S- H2SO4 OH- NaOH T- Na2S2O3 X- Other: NaAsO2

Temperature: 3.7 1210

Intact? ☑Y ☐N

Initials BO

BILL OF LADING/TRACKING #

METHOD OF SHIPMENT

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

SHORT HOLD TIMES: Color, HexCr - 24hr / BOD, CBOD, Nitrate, Surfactant - 48hr

ORIGIN ID:MFEA (956) 533-1193
ROLAND ZAMORA
NORTH ALAMO WATER SUPPLY
420 S. DOOLITTLE RD.

EDINBURG, TX 78539
UNITED STATES US

SHIP DATE: 05AUG25
ACTWGT: 30.00 LB
CAD: 251130814/INET4535

TO **REVATHI PONNAMBALAM**
A&B ENVIRONMENTAL SERVICES
10100 EAST FWY STE 100

HOUSTON TX 77029
(713) 453-6060 REF:
INV: RMA: ROLAND ZAMORA
PO: DEPT:

58GJ2/E4ED/59F2

RMA:

FedEx Express

J2382368230 1uv

TRK# 0221 **7918 8100 9474**

RETURNS MON-FRI
PRIORITY OVERNIGHT

77029

TX-US

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Sample Condition Checklist

A&B JobID : **25080765**	Date Received : **08/08/2025**	Time Received : **10:10AM**
Client Name : **North Alamo Water Supply**		
Temperature : **3.7**	Sample pH : **<2 NH3, TKN, TON, TOC, COD, P, NO3NO2, Metals >9 S**	
Thermometer ID : **IR10**	pH Paper ID : **128919**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**	X		
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**	X		

Comments : Include actions taken to resolve discrepancies/problem:

CN: NaOH+NaAsO2. Sulfide contains no headspace. ~KS 08/08/25

Brought by : FedEx

Received by : KSmith

Check in by/date : KSmith / 08/08/2025

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 34

Job ID : 25080765

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
La Sara RO Discharge Permit Renewal

Report To :	Client Name:	North Alamo Water Supply	P.O.#.:
	Attn:	Roland Zamora	Sample Collected By: Saul Leal
	Client Address:	420 S. Doolittle Rd.	Date Collected: 08/07/25
	City, State, Zip:	Edinburg, Texas, 78539	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
La Sara RO Discharge	Water	25080765.01
Field Blank	Water	25080765.02

Released By: Dhamodharan Shanmugam
Title: Reporting Associate
Date: 8/15/2025

This Laboratory is NELAP (T104704213-23-31) accredited. Effective: 04/01/2025; Expires: 03/31/2026
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

ab-q210-0321

Date Received : 08/08/2025 10:10

25.1.11355

Report Number: RPT250815087

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 25080765

Date: 8/15/2025

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RLU	Relative Light Unit
J	Estimation. Below calibration range but above MDL	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
LOD	Limit of detection adjusted for %M + DF	SQL	Sample Quantitation Limit
LOQ	Limit of Quantitation adjusted for %M + DF	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight	UQL	Unadjusted Upper Quantitation Limit
MQL	Unadjusted Minimum Quantitation Limit		

Qualifier Definition

D1	Sample required dilution due to matrix effects.
D9	The method-required sample volume was not analyzed to meet the 2.5 mg minimum residue requirement due to prolonged time of filtration or limited sample volume available. The accuracy of the results is confirmed.
H1	Sample analysis performed past holding time.
H2	Initial analysis within holding time. Re-analysis was past holding time.
H3	Sample was received and analyzed past holding time.
J	Estimation. Below calibration range but above MDL.
M1	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits due to matrix interference. "The sample randomly selected as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
M6	Sample concentration high, more than 4X spike concentration. Control limits do not apply."The sample randomly selcted as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
M8	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits.
U	Undetected at SDL (Sample Detection Limit).

LABORATORY TEST RESULTS

Job ID : 25080765

Date 8/15/2025

Client Name: North Alamo Water Supply Attn: Roland Zamora

Project Name: La Sara RO Discharge Permit Renewal

Client Sample ID: La Sara RO Discharge
Date Collected: 08/07/25
Time Collected: 15:20
Other Information:

Job Sample ID: 25080765.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 1664B										
	Oil & Grease	1.83	mg/L	1.08	1.51	2.70		J	08/14/25 11:18	NA
SM 2120B	True Color									
	Color	<5	PCU	1	5	5		H1,U	08/09/25 08:30	KL
SM 2320B	Alkalinity									
	Alkalinity	438	mg CaCO3/L	1	3.36	20.0			08/13/25 09:30	DPK
SM 2540C	Total Dissolved Solids									
	TDS	13000	mg/L	10	34.0	100			08/11/25 17:00	AL
SM 2540D	Total Suspended Solids									
	TSS	2.80	mg/L	0.200	0.5	0.5		D9	08/08/25 18:00	AL
EPA 300.0	Anions									
	Fluoride	<18.0	mg/L	1000.00	18.0	100		D1,U	08/10/25 02:11	GPR
	Chloride	3560	mg/L	1000.00	18.0	100			08/10/25 02:11	GPR
	Bromide	13.6	mg/L	5.00	0.105	0.500			08/10/25 02:38	GPR
	Nitrate-N	<7.00	mg/L	1000.00	7.00	100		D1,H2,U	08/10/25 02:11	GPR
	Sulfate	4930	mg/L	1000.00	10.0	100			08/10/25 02:11	GPR
SM 4500CN-CG	Cyanide, Amenable Ultra Low									
	Cyanide, Amenable	<0.00069	mg/L	1	0.00069	0.00200		U	08/12/25 21:21	SKC
EPA 350.1										
	Ammonia as N	0.552	mg/L	1.00	0.014	0.100			08/11/25 20:08	SKC
SM 3500Cr B										
	Chromium, Hexavalent	<0.0005	mg/L	1	0.0005	0.00100		U	08/08/25 10:30	SS
SM 3500Cr B										
	Chromium, Trivalent[2]	0.00254	mg/L	1	0.0005	0.00100			08/12/25 13:40	SS
EPA 351.2	Total Kjeldahl Nitrogen									
	TKN	1.57	mg/L	1.00	0.02	0.200			08/15/25 00:06	SKC
EPA 351.2/350.3/351.4/350.1										
	Total Organic Nitrogen	1.02	mg/L	1	0.02	0.500			08/15/25 15:40	SKC
EPA 353.2	Nitrate+Nitrite Nitrogen by Automated Colorimetry									
	Nitrate/Nitrite as N	0.013	mg/L	1.00	0.007	0.020		J	08/13/25 14:14	SKC

ab-q212-0321

LABORATORY TEST RESULTS

Job ID : 25080765

Date 8/15/2025

Client Name: North Alamo Water Supply Attn: Roland Zamora

Project Name: La Sara RO Discharge Permit Renewal

Client Sample ID: La Sara RO Discharge
Date Collected: 08/07/25
Time Collected: 15:20
Other Information:

Job Sample ID: 25080765.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
SM 4500P-E	Phosphorus									
	Phosphorus	0.418	mg/L	1	0.01	0.0500			08/14/25 12:44	KL
SM 4500-S D	Sulfide									
	Sulfide	<0.01	mg/L	1	0.01	0.0500		U	08/13/25 09:25	KL
SM 4500SO3-B	Reducing Agents, as Sulfite									
	Sulfite	<5.00	mg/L	1	5.00	5.00		H3,U	08/08/25 16:00	AD
SM 5210B	Biochemical Oxygen Demand (BOD5)									
	BOD	<2	mg/L	1	2	2		U	08/08/25 20:00	SP
SM 5210B	Carbonaceous Biochemical Oxygen Demand									
	CBOD	<2	mg/L	1	2			U	08/08/25 14:00	SP
SM 5220D	Chemical Oxygen Demand									
	COD	93.0	mg/L	1	2.4	10.0			08/11/25 11:05	SP
SM 5310B	Total Organic Carbon									
	TOC	45.9	mg/L	2.00	1.22	2.00			08/11/25 17:20	KL
EPA 1631E	CVAFS									
	Mercury	0.43400	ng/L	1	0.042000	0.25000			08/11/25 14:19	AK
EPA 200.7	Total Recoverable Metals									
	Boron	4.47	mg/L	10	0.0340	0.100			08/11/25 18:52	RT
	Iron	0.0820	mg/L	1	0.003	0.0100			08/11/25 13:29	RT
	Magnesium	110	mg/L	100	0.999	2.00			08/11/25 18:37	RT
EPA 200.7	Total Recoverable Metals									
	Tin	<0.01	mg/L	1	0.01	0.01		U	08/11/25 13:29	RT
EPA 200.8	Metals by ICP/MS									
	Aluminum	0.0536	mg/L	1.00	0.00079	0.00100			08/11/25 16:34	AK
	Antimony	<0.00013	mg/L	1.00	0.00013	0.00050		U	08/11/25 16:34	AK
	Arsenic	0.0273	mg/L	1.00	0.00003	0.00025			08/11/25 16:34	AK
	Barium	0.0850	mg/L	1.00	0.00009	0.00050			08/11/25 16:34	AK
	Beryllium	<0.00006	mg/L	1.00	0.00006	0.00025		U	08/11/25 16:34	AK
	Cadmium	0.00003	mg/L	1.00	0.00003	0.00025		J	08/11/25 16:34	AK
	Chromium	0.00254	mg/L	1.00	0.00013	0.00025			08/11/25 16:34	AK
	Cobalt	0.00037	mg/L	1.00	0.00006	0.00025			08/11/25 16:34	AK
	Copper	0.00495	mg/L	1.00	0.00009	0.00050			08/11/25 16:34	AK
	Lead	0.00034	mg/L	1.00	0.00003	0.00025			08/11/25 16:34	AK
	Manganese	0.0553	mg/L	1.00	0.00006	0.00050			08/11/25 16:34	AK
	Molybdenum	0.177	mg/L	1.00	0.00009	0.00025			08/11/25 16:34	AK

LABORATORY TEST RESULTS

Job ID : 25080765

Date 8/15/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: La Sara RO Discharge Permit Renewal

Client Sample ID: La Sara RO Discharge
Date Collected: 08/07/25
Time Collected: 15:20
Other Information:

Job Sample ID: 25080765.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 200.8	Metals by ICP/MS									
	Nickel	0.00459	mg/L	1.00	0.00038	0.00025			08/11/25 16:34	AK
	Selenium	0.00072	mg/L	1.00	0.00031	0.00100		J	08/11/25 16:34	AK
	Silver	0.00016	mg/L	1.00	0.00013	0.00050		J	08/11/25 16:34	AK
	Thallium	<0.00006	mg/L	1.00	0.00006	0.00025		U	08/11/25 16:34	AK
	Titanium	0.00188	mg/L	1.00	0.00013	0.00025			08/11/25 16:34	AK
	Zinc	0.0261	mg/L	1.00	0.00047	0.00200			08/11/25 16:34	AK

LABORATORY TEST RESULTS

Job ID : 25080765

Date 8/15/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: La Sara RO Discharge Permit Renewal

Client Sample ID: Field Blank
Date Collected: 08/07/25
Time Collected: 15:00
Other Information:

Job Sample ID: 25080765.02
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 1631E	CVAFS									
	Mercury	<0.042000	ng/L	1	0.042000	0.25000		U	08/11/25 14:19	AK

ab-q212-0321

[2]-Parameter not available for accreditation.

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : **Total Suspended Solids** **Method :** **SM 2540D** **Reporting Units :** **mg/L**

QC Batch ID : Qb250808118 **Created Date :** 08/08/25 **Created By :** ALassile

Samples in This QC Batch : 25080765.01

Sample Preparation : PB25080855 **Prep Method :** SM 2540D **Prep Date :** 08/08/25 17:00 **Prep By :** ALassile

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TSS	TSS	< MDL	mg/L	1	2.5	2.5		

QC Type: Duplicate

QC Sample ID: 25080771.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TSS	69.3	66.6	mg/L	4	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TSS	500	435	87.0						72-108	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : **Reducing Agents, as Sulfite** **Method :** **SM 4500SO3-B** **Reporting Units :** **mg/L**

QC Batch ID : Qb250808121 **Created Date :** 08/08/25 **Created By :** ADissanayake

Samples in This QC Batch : 25080765.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Sulfite		< MDL	mg/L	1	5	5		

QC Type: Duplicate

QC Sample ID: 25080765.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Sulfite	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Sulfite	2500	2300.00	92.0	2500	2300.00	92.0	0.0	20	70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : Chemical Oxygen Demand **Method :** SM 5220D **Reporting Units :** mg/L

QC Batch ID : Qb25081152 **Created Date :** 08/06/25 **Created By :** sadeshp

Samples in This QC Batch : 25080765.01

Sample Preparation : PB25081131 **Prep Method :** SM 5220D **Prep Date :** 08/11/25 11:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB	COD		< MDL	mg/L	1	10	2.4		
CCB1	COD		< MDL	mg/L	1	10	2.4		
CCB2	COD		< MDL	mg/L	1	10	2.4		
Method Blank	COD		< MDL	mg/L	1	10	2.4		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
COD	300	307	102.3	300	302	100.7	1.6	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25080827.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
COD	38	400	436	99.5	400	434	99.0	0.5	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : **Total Dissolved Solids** **Method :** **SM 2540C** **Reporting Units :** **mg/L**

QC Batch ID : Qb25081162 **Created Date :** 08/11/25 **Created By :** ALassile

Samples in This QC Batch : 25080765.01

Sample Preparation : PB25081137 **Prep Method :** SM 2540C **Prep Date :** 08/11/25 15:00 **Prep By :** ALassile

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TDS	TDS	< MDL	mg/L	1	10	3.4		

QC Type: Duplicate

QC Sample ID: 25080763.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TDS	494	488	mg/L	1.2	5		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TDS	500	530	106.0						80-120	

ab-q213-0321

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25081172 **Created Date :** 08/11/25 **Created By :** Rajeev

Samples in This QC Batch : 25080765.01

Digestion : PB25081121 **Prep Method :** EPA 200.7 **Prep Date :** 08/11/25 09:45 **Prep By :** Mwissman

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL	Qual
ICB	Aluminum	7429-90-5T	< MDL	mg/L	1	0.01	0.00647	
ICB	Antimony	7440-36-0	< MDL	mg/L	1	0.01	0.00239	
ICB	Arsenic	7440-38-2T	< MDL	mg/L	1	0.01	0.00248	
ICB	Barium	7440-39-3T	< MDL	mg/L	1	0.01	0.00119	
ICB	Beryllium	7440-41-7	< MDL	mg/L	1	0.01	0.00119	
ICB	Boron	7440-42-8T	< MDL	mg/L	1	0.01	0.00336	
ICB	Cadmium	7440-43-9	< MDL	mg/L	1	0.01	0.00119	
ICB	Chromium	7440-47-3T	< MDL	mg/L	1	0.01	0.00119	
ICB	Cobalt	7440-48-4	< MDL	mg/L	1	0.01	0.00154	
ICB	Copper	7440-50-8	< MDL	mg/L	1	0.01	0.00119	
ICB	Iron	7439-89-6T	< MDL	mg/L	1	0.01	0.00283	
ICB	Lead	7439-92-1T	< MDL	mg/L	1	0.01	0.00433	
ICB	Magnesium	7439-95-4T	< MDL	mg/L	1	0.02	0.00999	
ICB	Manganese	7439-96-5	< MDL	mg/L	1	0.01	0.00119	
ICB	Molybdenum	7439-98-7	< MDL	mg/L	1	0.01	0.00119	
ICB	Nickel	7440-02-0	< MDL	mg/L	1	0.01	0.00119	
ICB	Selenium	7782-49-2	< MDL	mg/L	1	0.01	0.00493	
ICB	Silver	7440-22-4	< MDL	mg/L	1	0.01	0.00248	
ICB	Zinc	7440-66-6T	< MDL	mg/L	1	0.01	0.01	
Method Blank	Aluminum	7429-90-5T	< MDL	mg/L	1	0.01	0.00647	
Method Blank	Antimony	7440-36-0	< MDL	mg/L	1	0.01	0.00239	
Method Blank	Arsenic	7440-38-2T	< MDL	mg/L	1	0.01	0.00248	
Method Blank	Barium	7440-39-3T	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Beryllium	7440-41-7	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Boron	7440-42-8T	< MDL	mg/L	1	0.01	0.00336	
Method Blank	Cadmium	7440-43-9	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Chromium	7440-47-3T	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Cobalt	7440-48-4	< MDL	mg/L	1	0.01	0.00154	
Method Blank	Copper	7440-50-8	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Iron	7439-89-6T	< MDL	mg/L	1	0.01	0.00283	
Method Blank	Lead	7439-92-1T	< MDL	mg/L	1	0.01	0.00433	
Method Blank	Magnesium	7439-95-4T	< MDL	mg/L	1	0.02	0.00999	
Method Blank	Manganese	7439-96-5	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Molybdenum	7439-98-7	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Nickel	7440-02-0	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Selenium	7782-49-2	< MDL	mg/L	1	0.01	0.00493	
Method Blank	Silver	7440-22-4	< MDL	mg/L	1	0.01	0.00248	
Method Blank	Zinc	7440-66-6T	< MDL	mg/L	1	0.01	0.01	

ab-q213-0321

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25081172 **Created Date :** 08/11/25 **Created By :** Rajeev

Samples in This QC Batch : 25080765.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL	Qual

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aluminum	1	1.02	102	1	1.01	101	0.7	20	85-115	
Antimony	1	1.04	104	1	1.04	104	0.3	20	85-115	
Arsenic	1	1.03	103	1	1.03	103	0.4	20	85-115	
Barium	1	1.01	102	1	1.01	101	0.5	20	85-115	
Beryllium	1	0.982	98.2	1	0.977	97.7	0.5	20	85-115	
Boron	1	1.01	101	1	1.00	100	0.9	20	85-115	
Cadmium	1	0.993	99.3	1	0.988	98.8	0.5	20	85-115	
Chromium	1	1.01	101	1	1.01	101	0.1	20	85-115	
Cobalt	1	1.01	101	1	1.00	100	0.9	20	85-115	
Copper	1	1.02	102	1	1.01	101	0.7	20	85-115	
Iron	1	0.991	99.1	1	0.985	98.5	0.6	20	85-115	
Lead	1	0.980	98	1	0.974	97.4	0.6	20	85-115	
Magnesium	1	0.981	98.1	1	0.975	97.5	0.6	20	85-115	
Manganese	1	0.983	98.3	1	0.979	97.9	0.4	20	85-115	
Molybdenum	1	0.992	99.2	1	1.00	100	0.8	20	85-115	
Nickel	1	1.00	100	1	0.997	99.7	0.6	20	85-115	
Selenium	1	1.01	102	1	1.01	101	0.5	20	85-115	
Silver	1	1.00	100	1	0.999	99.9	0.4	20	85-115	
Zinc	1	0.990	99	1	0.984	98.4	0.6	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25080765.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.0410	1	1.34	130						75-125	M1
Antimony	BRL	1	1.14	114						75-125	
Arsenic	0.0310	1	1.12	109						75-125	
Barium	0.0870	1	1.20	112						75-125	
Beryllium	BRL	1	0.922	92.2						75-125	
Boron	4.47	1	6.06	159.4						75-125	M6
Cadmium	BRL	1	0.875	87.5						75-125	
Chromium	BRL	1	0.944	94.4						75-125	
Cobalt	BRL	1	0.912	91.2						75-125	
Copper	BRL	1	1.21	121						75-125	
Iron	0.0820	1	1.01	93.3						75-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25081172 **Created Date :** 08/11/25 **Created By :** Rajeev

Samples in This QC Batch : 25080765.01

QC Type: MS and MSD
QC Sample ID: 25080765.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Lead	BRL	1	0.864	86.4						75-125	
Magnesium	110	1	110	4.0						75-125	M6
Manganese	0.0480	1	0.983	93.5						75-125	
Molybdenum	0.0760	1	1.08	101						75-125	
Nickel	BRL	1	0.872	87.2						75-125	
Selenium	BRL	1	1.09	109						75-125	
Silver	BRL	1	1.16	117						75-125	
Zinc	0.0270	1	1.06	103						75-125	

QC Type: MS2 and MSD2
QC Sample ID: 25080790.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.0440	1	1.36	132						75-125	M1
Antimony	BRL	1	1.13	113						75-125	
Arsenic	0.0120	1	1.07	106						75-125	
Barium	0.777	1	1.90	113						75-125	
Beryllium	BRL	1	0.943	94.3						75-125	
Boron	0.104	1	1.21	111						75-125	
Cadmium	BRL	1	0.904	90.4						75-125	
Chromium	BRL	1	0.950	95						75-125	
Cobalt	BRL	1	0.919	91.9						75-125	
Copper	0.0710	1	1.26	119						75-125	
Iron	0.105	1	1.03	92.3						75-125	
Lead	BRL	1	0.893	89.3						75-125	
Magnesium	18.3	1	19.5	114						75-125	
Manganese	0.281	1	1.22	94.2						75-125	
Molybdenum	BRL	1	0.985	98.5						75-125	
Nickel	BRL	1	0.881	88.1						75-125	
Selenium	BRL	1	1.04	104						75-125	
Silver	BRL	1	1.15	115						75-125	
Zinc	0.0330	1	1.06	103						75-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25081173 **Created Date :** 08/11/25 **Created By :** Rajeev

Samples in This QC Batch : 25080765.01

Digestion : PB25081124 **Prep Method :** EPA 200.7 **Prep Date :** 08/11/25 09:45 **Prep By :** Mwissman

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
ICB	Tin	7440-31-5	< MDL	mg/L	1	0.01	0.01		
Method Blank	Tin	7440-31-5	< MDL	mg/L	1	0.01	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Tin	1	1.00	101	1	1.01	101	0.5	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25080765.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Tin	BRL	1	0.904	90.4						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : CVAFS **Method :** EPA 1631E **Reporting Units :** ng/L

QC Batch ID : Qb25081181 **Created Date :** 08/11/25 **Created By :** Abhishek

Samples in This QC Batch : 25080765.01,02

Digestion : PB25081145 **Prep Method :** EPA 1631E **Prep Date :** 08/11/25 08:00 **Prep By :** Abhishek

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Blank 2	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		
Blank 3	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		
Method Blank	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	5	5.2000	104	5	5.1100	102	1.7	24	77-123	

QC Type: MS and MSD
QC Sample ID: 25080681.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	0.74600	5	5.1400	87.9	5	5.2500	90.1	2.1	24	71-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : Metals by ICP/MS **Method :** EPA 200.8 **Reporting Units :** mg/L

QC Batch ID : Qb25081219 **Created Date :** 08/12/25 **Created By :** DSoni

Samples in This QC Batch : 25080765.01

Digestion : PB25081126 **Prep Method :** EPA 200.8 **Prep Date :** 08/11/25 08:30 **Prep By :** JYou

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Aluminum	7429-90-5T	< MDL	mg/L	1.00	0.001	0.00079		
Method Blank	Antimony	7440-36-0	< MDL	mg/L	1.00	0.0005	0.00013		
Method Blank	Arsenic	7440-38-2T	< MDL	mg/L	1.00	0.00025	3E-05		
Method Blank	Barium	7440-39-3T	< MDL	mg/L	1.00	0.0005	9E-05		
Method Blank	Beryllium	7440-41-7	< MDL	mg/L	1.00	0.00025	6E-05		
Method Blank	Cadmium	7440-43-9	< MDL	mg/L	1.00	0.00025	3E-05		
Method Blank	Chromium	7440-47-3T	< MDL	mg/L	1.00	0.00025	0.00013		
Method Blank	Cobalt	7440-48-4	< MDL	mg/L	1.00	0.00025	6E-05		
Method Blank	Copper	7440-50-8	< MDL	mg/L	1.00	0.0005	9E-05		
Method Blank	Iron	7439-89-6T	< MDL	mg/L	1.00	0.025	0.01265		
Method Blank	Lead	7439-92-1T	< MDL	mg/L	1.00	0.00025	3E-05		
Method Blank	Manganese	7439-96-5	< MDL	mg/L	1.00	0.0005	6E-05		
Method Blank	Molybdenum	7439-98-7	< MDL	mg/L	1.00	0.00025	9E-05		
Method Blank	Nickel	7440-02-0	< MDL	mg/L	1.00	0.00025	0.00038		
Method Blank	Selenium	7782-49-2	< MDL	mg/L	1.00	0.001	0.00031		
Method Blank	Silver	7440-22-4	< MDL	mg/L	1.00	0.0005	0.00013		
Method Blank	Thallium	7440-28-0	< MDL	mg/L	1.00	0.00025	6E-05		
Method Blank	Titanium	7440-32-6	< MDL	mg/L	1.00	0.00025	0.00013		
Method Blank	Zinc	7440-66-6T	< MDL	mg/L	1.00	0.002	0.00047		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aluminum	0.05	0.0518	104	0.05	0.0514	103	0.7	20	85-115	
Antimony	0.05	0.0550	110	0.05	0.0545	109	0.9	20	85-115	
Arsenic	0.05	0.0513	103	0.05	0.0501	100	2.4	20	85-115	
Barium	0.05	0.0519	104	0.05	0.0510	102	1.8	20	85-115	
Beryllium	0.05	0.0505	101	0.05	0.0505	101	0.1	20	85-115	
Cadmium	0.05	0.0518	104	0.05	0.0508	102	2	20	85-115	
Chromium	0.05	0.0522	104	0.05	0.0514	103	1.5	20	85-115	
Cobalt	0.05	0.0523	105	0.05	0.0520	104	0.6	20	85-115	
Copper	0.05	0.0519	104	0.05	0.0513	103	1.1	20	85-115	
Iron	5	5.19	104	5	5.12	102	1.3	20	85-115	
Lead	0.05	0.0500	99.9	0.05	0.0495	99.1	0.9	20	85-115	
Manganese	0.05	0.0517	103	0.05	0.0509	102	1.5	20	85-115	
Molybdenum	0.05	0.0521	104	0.05	0.0511	102	1.9	20	85-115	
Nickel	0.05	0.0523	105	0.05	0.0517	103	1.1	20	85-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : Metals by ICP/MS **Method : EPA 200.8** **Reporting Units : mg/L**

QC Batch ID : Qb25081219 **Created Date :** 08/12/25 **Created By :** DSoni

Samples in This QC Batch : 25080765.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Selenium	0.05	0.0501	100	0.05	0.0494	98.8	1.4	20	85-115	
Silver	0.05	0.0508	102	0.05	0.0506	101	0.3	20	85-115	
Thallium	0.05	0.0546	109	0.05	0.0543	109	0.5	20	85-115	
Titanium	0.05	0.0514	103	0.05	0.0507	101	1.4	20	85-115	
Zinc	0.05	0.0515	103	0.05	0.0502	100	2.5	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25080592.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.181	0.1	0.302	121						70-130	
Antimony	0.00067	0.1	0.0994	98.7						70-130	
Arsenic	BRL	0.1	0.0997	99.7						70-130	
Barium	0.0112	0.1	0.109	98.1						70-130	
Beryllium	BRL	0.1	0.100	100						70-130	
Cadmium	BRL	0.1	0.0984	98.4						70-130	
Chromium	0.00118	0.1	0.102	101						70-130	
Cobalt	BRL	0.1	0.102	102						70-130	
Copper	0.00928	0.1	0.112	103						70-130	
Iron	0.304	10	10.5	102						70-130	
Lead	0.00101	0.1	0.0994	98.3						70-130	
Manganese	0.0108	0.1	0.115	104						70-130	
Molybdenum	0.00091	0.1	0.104	103						70-130	
Nickel	0.00135	0.1	0.103	101						70-130	
Selenium	BRL	0.1	0.0933	93.3						70-130	
Silver	BRL	0.1	0.102	102						70-130	
Thallium	BRL	0.1	0.103	103						70-130	
Titanium	0.00584	0.1	0.120	114						70-130	
Zinc	0.128	0.1	0.233	105						70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : Total Organic Carbon **Method : SM 5310B** **Reporting Units : mg/L**

QC Batch ID : Qb25081243 **Created Date :** 08/12/25 **Created By :** KLyle

Samples in This QC Batch : 25080765.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TOC	TOC	< MDL	mg/L	1.00	1	0.61		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TOC	10	10.5	105						89.4-113	

QC Type: MS and MSD
QC Sample ID: 25080351.08

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TOC	16.4	5	21.9	109	5	21.9	109	0.1	10	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : **Method :** **EPA 350.1** **Reporting Units : mg/L**

QC Batch ID : Qb25081248 **Created Date :** 08/11/25 **Created By :** Srijan

Samples in This QC Batch : 25080765.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Ammonia as N	NH3-N	< MDL	mg/L	1.00	0.1	0.01385		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ammonia as N	1	0.981	98.1	1	0.990	99	1	20	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25080716.02

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	1.80	1	2.76	96.9	1	2.76	96.5	0.1	10	90-110	

QC Type: MS2 and MSD2
QC Sample ID: 25080629.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	BRL	1	0.970	97	1	0.989	98.9	2	10	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : **Method :** **SM 3500Cr B** **Reporting Units : mg/L**

QC Batch ID : Qb25081279 **Created Date :** 08/08/25 **Created By :** SShukla

Samples in This QC Batch : 25080765.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB1	Chromium, Hexavalent	18540-29-9	< MDL	mg/L	1	0.001	0.0005		
Method Blank	Chromium, Hexavalent	18540-29-9	< MDL	mg/L	1	0.001	0.0005		

QC Type: Duplicate

QC Sample ID: 25080765.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Chromium, Hexavalent	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Chromium, Hexavalent	0.02	0.0202	101.0	0.02	0.0204	102.0	1	20	86.8-108	

QC Type: MS and MSD

QC Sample ID: 25080765.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Chromium, Hexavalent	BRL	0.02	0.0163	81.5	0.02	0.0163	81.5	0.0	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : Alkalinity **Method : SM 2320B** **Reporting Units : mg CaCO3/L**

QC Batch ID : Qb25081315 **Created Date :** 08/13/25 **Created By :** DKunwar

Samples in This QC Batch : 25080765.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Alkalinity		< MDL	mg CaCO3/L	1	20	3.36		

QC Type: Duplicate

QC Sample ID: 25080571.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Alkalinity	34	32	mg CaCO3	6.1	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Alkalinity	1250	1241.2	99.3	1250	1251.3	100.0	0.8	20	91.7-114	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : Nitrate+Nitrite Nitrogen by Automated Colorimetry **Method :** EPA 353.2 **Reporting Units :** mg/L

QC Batch ID : Qb25081377 **Created Date :** 08/13/25 **Created By :** Srijan

Samples in This QC Batch : 25080765.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Nitrate/Nitrite as N		< MDL	mg/L	1.00	0.02	0.00647		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Nitrate/Nitrite as N	0.1	0.0956	95.6	0.1	0.0952	95.2	0.4	20	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25080681.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nitrate/Nitrite as N	0.435	0.1	0.535	100	0.1	0.532	96.9	0.6	20	90-110	

QC Type: MS2 and MSD2
QC Sample ID: 25080765.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nitrate/Nitrite as N	BRL	0.1	0.108	108	0.1	0.108	108	0.3	20	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : Biochemical Oxygen Demand (BOD5) **Method :** SM 5210B **Reporting Units :** mg/L

QC Batch ID : Qb25081385 **Created Date :** 08/08/25 **Created By :** sadeshp

Samples in This QC Batch : 25080765.01

Sample Preparation : PB25081007 **Prep Method :** SM 5210B **Prep Date :** 08/08/25 20:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	BOD		< MDL	mg/L	1	2	2		

QC Type: Duplicate

QC Sample ID: 25080801.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
BOD	267.00	265.50	mg/L	0.6	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
BOD	198	180.00	90.9	198	184.00	92.9	2.2	20	84.6-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : Carbonaceous Biochemical Oxygen Demand **Method :** SM 5210B **Reporting Units :** mg/L

QC Batch ID : Qb25081386 **Created Date :** 08/08/25 **Created By :** sadeshp

Samples in This QC Batch : 25080765.01

Sample Preparation : PB25081006 **Prep Method :** SM 5210B **Prep Date :** 08/08/25 19:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	CBOD		< MDL	mg/L	1	----	2		

QC Type: Duplicate

QC Sample ID: 25080776.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
CBOD	66.40	65.80	mg/L	0.9	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
CBOD	198	180.00	90.9	198	184.00	92.9	2.2	20	84.6-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : Sulfide **Method : SM 4500-S D** **Reporting Units : mg/L**

QC Batch ID : Qb25081387 **Created Date :** 08/13/25 **Created By :** KLyle

Samples in This QC Batch : 25080765.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB1	Sulfide	18496-25-8	< MDL	mg/L	1	0.05	0.013		
Method Blank	Sulfide	18496-25-8	< MDL	mg/L	1	0.05	0.013		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Sulfide	0.2	0.201	101.0	0.2	0.193	96.5	4.1	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25081037.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Sulfide	BRL	0.2	0.180	90.0	0.2	0.183	91.5	1.7	20	70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : **Method :** **EPA 1664B** **Reporting Units : mg/L**

QC Batch ID : Qb25081433 **Created Date :** 08/14/25 **Created By :** NAmarasinghe

Samples in This QC Batch : 25080765.01

Sample Preparation : PB25081418 **Prep Method :** EPA 1664B **Prep Date :** 08/14/25 10:30 **Prep By :** NAmarasinghe

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Oil & Grease		< MDL	mg/L	1	2.5	1.4		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Oil & Grease	40	35.9	89.8	40	35.2	88.0	2	11	78-114	

QC Type: MS and MSD
QC Sample ID: 25080765.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Oil & Grease	BRL	40	38.5	91.7						78-114	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : Phosphorus **Method : SM 4500P-E** **Reporting Units : mg/L**

QC Batch ID : Qb25081468 **Created Date :** 08/14/25 **Created By :** KLyle

Samples in This QC Batch : 25080765.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Phosphorus	7723-14-0	< MDL	mg/L	1	0.05	0.00612		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Phosphorus	0.200	0.198	98.8	0.200	0.210	105.1	6.1	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25081041.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Phosphorus	0.147	0.200	0.368	110.5	0.200	0.324	88.5	12.7	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : True Color **Method : SM 2120B** **Reporting Units : PCU**

QC Batch ID : Qb25081478 **Created Date :** 08/14/25 **Created By :** KLyle

Samples in This QC Batch : 25080765.01

QC Type: Duplicate

QC Sample ID: 25080765.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Color	BRL	BRL	PCU	0	20		

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : Cyanide, Amenable Ultra Low **Method : SM 4500CN-CG** **Reporting Units : mg/L**

QC Batch ID : Qb25081494 **Created Date :** 08/12/25 **Created By :** Srijan

Samples in This QC Batch : 25080765.01

Sample Preparation : PB25081446 **Prep Method :** SM 4500CN-CG **Prep Date :** 08/12/25 18:30 **Prep By :** Srijan

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Cyanide, Amenable	57-12-5	< MDL	mg/L	1	0.002	0.00069		

QC Type: Duplicate

QC Sample ID: 25080629.02

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Cyanide, Amenable	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Cyanide, Amenable	0.01	0.0106	106.0	0.01	0.0108	108.0	1.9	20	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : Anions **Method : EPA 300.0** **Reporting Units : mg/L**

QC Batch ID : Qb25081554 **Created Date :** 08/08/25 **Created By :** PReddy

Samples in This QC Batch : 25080765.01

Sample Preparation : PB25081120 **Prep Method :** EPA 300.0 **Prep Date :** 08/08/25 16:00 **Prep By :** PReddy

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Fluoride	16984-48-8	< MDL	mg/L	1.00	0.1	0.018		
Method Blank	Chloride	16887-00-6	< MDL	mg/L	1.00	0.1	0.018		
Method Blank	Bromide	24959-67-9	< MDL	mg/L	1.00	0.1	0.021		
Method Blank	Nitrate-N	14797-55-8	< MDL	mg/L	1.00	0.1	0.007		
Method Blank	Sulfate	14808-79-8	< MDL	mg/L	1.00	0.1	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Fluoride	1	0.978	97.8	1	0.984	98.4	0.6	20	90-110	
Chloride	1	0.950	95	1	0.957	95.7	0.7	20	90-110	
Bromide	1	0.995	99.5	1	1.02	102	2.5	20	90-110	
Nitrate-N	1	0.978	97.8	1	0.997	99.7	1.9	20	90-110	
Sulfate	1	1.02	102	1	0.975	97.5	4.8	20	90-110	

QC Type: MS and MSD
QC Sample ID: 25080763.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Fluoride	BRL	100	124	124						80-120	M1
Chloride	87.9	100	248	160						80-120	M1
Bromide	BRL	100	128	128						80-120	M1
Nitrate-N	BRL	100	161	161						80-120	M1
Sulfate	23.2	100	183	160						80-120	M1

QUALITY CONTROL CERTIFICATE

Job ID : 25080765 **Date :** 8/15/2025

Analysis : **Total Kjeldahl Nitrogen** **Method :** **EPA 351.2** **Reporting Units :** **mg/L**

QC Batch ID : Qb25081584 **Created Date :** 08/14/25 **Created By :** Srijan

Samples in This QC Batch : 25080765.01

Sample Preparation : PB25081545 **Prep Method :** EPA 351.2_ **Prep Date :** 08/14/25 18:00 **Prep By :** Srijan

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TKN		< MDL	mg/L	1.00	0.2	0.02446		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TKN	1	1.02	102	1	1.03	103	0.7	10	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25081042.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TKN	2.55	1	3.68	114	1	3.65	110	0.9	10	90-110	M8

QC Type: MS2 and MSD2
QC Sample ID: 25081166.06

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TKN	7.48	1	8.61	113	1	8.68	120	0.8	10	90-110	M6

The Chain of Custody is a Legal Document

Job ID:25080765

08/08/2025 North Alamo Water Supply ANA

1. REPORT TO:	North Alamo Water Supply 420 S. Doolittle Rd. Edinburg, TX 78542 Roland Zamora 956-651-0400 Dist List
2. INVOICE TO:	On file
3. PO #	QT25062703
A&B JOB ID	
5. Project #	
6. Project Name / Location	La Sara RO Discharge Permit Renewal

4. Turnaround Time- Business Days
- [ ] 1 Day *
- [ ] 2 Days *
- [ ] 3 Days *
- [ ] 5 Days *
- [x] 7 Days-Standard
- [ ] Other

* Surcharge Applies

Day Zero is the day sample is received. Report due at 5pm on due day.

7. Reporting Requirement
- [ ] TRRP Limits Only
- [ ] TRRP Rpt. Package
- [ ] See Attached
- [x] MDL Rpt

8. Sampler's Name & Co: INEOS/ Scott Lenz North Alamo Water Supply

Sampler's Signature & Date: 8-7-25

9. Sample ID & Description	Lab Use Only	10. Sampling Date	10. Sampling Time	11. comp	11. grab	12. Matrix Water	12. Matrix Soil	13. Total No. of Containers	BOD, CBOD, TDS, HexCr, Low Color, Surfactants, SUB, Alkalinity	Low Level Mercury	Metals 200.8, Metals 200.7 Metals_Blist 200.7_TriCr_Low	Sulfide (If not done in the field)	Ammonia, TOC, TON, COD, TKN, Phosphorus, NO3+NO2	**Anions 300.0	O&G_HEM	Cyanide_Amenable Ultra Low	Sulfide	*Field Tests - Ph, Temp, Chlorine, DO, Sulfite	18. Comments
								Number of Containers	4	3	1	1	1	1	2	1	1		
								14. Containers*	P	VOA	P	P	P	P	G	P	P		
								15. Preservatives**	C	R	N	C	S*	C	S	OH,X	OH,ZnA		
								16. pH Lab Only											
																			*Metals 200.8 - Al,Sb,As,Ba,Be,Cd,Co,Cr,Cu,Pb,Mn,Mo,Ni,Se,Ag,Tl,Ti,Zn Metals 200.7 - B,Fe,Mg Metals_Blist 200.7 - Tin
La Sara RO Discharge	01AO	8-7-25	1520	X		X		15	X	X	X	X	X	X	X	X	X		pH 7.84
Field Blank	02AC	8-7-25	1500		X	X		3		X									Temp 88.2°F
																			Chlorine -0.4 mg/L
																			DO 3.07
																			Sulfite

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1) Scott Lenz	8-7-25	1650	1) Fedex		
2) Fedex	8.8.25	1010	2) Brenda	8-8-25	1010
3)			3)		

***Anions: Bromide, Chloride, Fluoride, Nitrate, Sulfate

* Containers: VOA- 40 ml vial; 4 oz/8 oz- glass wide mouth; A/G- Amber/Glass 1 Liter; P/O- Plastic/other ____

** Preservatives: C-Cool H- HCl N- HNO3 S-H2SO4 OH- NaOH T-Na2S2O3 X- Other: NaAsO2

Temperature: 3.7 | 1.2.0

Intact? [x] Y [ ] N

Initials: BO

BILL OF LADING/TRACKING #

METHOD OF SHIPMENT

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

SHORT HOLD TIMES: Color, HexCr - 24hr / BOD, CBOD, Nitrate, Surfactant - 48hr

ORIGIN ID:MFEA (956) 533-1193
ROLAND ZAMORA
NORTH ALAMO WATER SUPPLY
420 S. DOOLITTLE RD.

EDINBURG, TX 78539
UNITED STATES US

SHIP DATE: 05AUG25
ACTWGT: 30.00 LB
CAD: 251130814/INET4535

TO **REVATHI PONNAMBALAM**
A&B ENVIRONMENTAL SERVICES
10100 EAST FWY STE 100

HOUSTON TX 77029
(713) 453-6060 REF:
INV: RMA: ROLAND ZAMORA
PO: DEPT:

58GJ2/E4ED/59F2

RMA:

FedEx Express

J2352360230 1of

RETURNS MON-FRI
PRIORITY OVERNIGHT

TRK# 0221 **7918 8100 9474**

77029

TX-US

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
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2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Sample Condition Checklist

A&B JobID : **25080765**	Date Received : **08/08/2025**	Time Received : **10:10AM**
Client Name : **North Alamo Water Supply**		
Temperature : **3.7°C**	Sample pH : **<2 NH3, TKN, TON, TOC, COD, P, NO3NO2, Metals >9 S**	
Thermometer ID : **IR10**	pH Paper ID : **128919**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**	X		
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**	X		

Comments : Include actions taken to resolve discrepancies/problem:

CN: NaOH+NaAsO2. Sulfide contains no headspace. ~KS 08/08/25

Brought by : FedEx

Received by : KSmith

Check in by/date : KSmith / 08/08/2025

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 15

Job ID : 25081527

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
La Sara RO Discharge Permit Renewal

Report To :	Client Name:	North Alamo Water Supply	P.O.#.:	
	Attn:	Roland Zamora	Sample Collected By:	Saul Leal
	Client Address:	420 S. Doolittle Rd.	Date Collected:	08/14/25
	City, State, Zip:	Edinburg, Texas, 78539		

Client Sample ID	Matrix	A&B Sample ID
La Sara RO Discharge	Water	25081527.01

This analysis was subcontracted to :
ALS Laboratory Group, 10450 Stancliff Rd, Suite 210
Houston, Texas, 77099-4338

Released By: Ashley Arnett
Title: Project Manager
Date: 08/27/2025

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

ab-q210-0321

Date Received : 08/15/2025 10:13

25.1.20050

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 20, 2025

Shantall Carpenter
A & B Labs
10100 East Freeway
Suite 100
Houston, TX 77029

Work Order: **HS25080779**

Laboratory Results for: **La Sara RO Discharge**

Dear Shantall Carpenter,

ALS Environmental received 1 sample(s) on Aug 15, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
Andy C. Neir
Project Manager

Client: A & B Labs
Project: La Sara RO Discharge
Work Order: HS25080779

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25080779-01	La Sara RO Discharge	Water		14-Aug-2025 15:20	15-Aug-2025 15:45	☐

RIGHT SOLUTIONS | RIGHT PARTNER

Client: A & B Labs **CASE NARRATIVE**
Project: La Sara RO Discharge
Work Order: HS25080779

WetChemistry by Method SM5540C

Batch ID: 231766

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

RIGHT SOLUTIONS | RIGHT PARTNER

Client: A & B Labs
Project: La Sara RO Discharge
Sample ID: La Sara RO Discharge
Collection Date: 14-Aug-2025 15:20

ANALYTICAL REPORT
WorkOrder:HS25080779
Lab ID:HS25080779-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
SURFACTANTS (MBAS) BY SM5540C		**Method:SM5540C**		Prep:SM5540C / 16-Aug-2025		Analyst: MH
MBAS	**0.0620**		**0.0500**	**mg/L 340 MW LAS**	1	16-Aug-2025 08:12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

RIGHT SOLUTIONS | RIGHT PARTNER

Weight / Prep Log

Client: A & B Labs
Project: La Sara RO Discharge
WorkOrder: HS25080779

Batch ID: 231766 **Start Date:** 16 Aug 2025 07:15 **End Date:** 16 Aug 2025 07:15
Method: MBAS - PREPARATION **Prep Code:** MBAS_PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25080779-01		400 (mL)	400 (mL)	1	1-L plastic, Neat

RIGHT SOLUTIONS | RIGHT PARTNER

Client: A & B Labs
Project: La Sara RO Discharge
WorkOrder: HS25080779

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 231766 (0)	**Test Name :** SURFACTANTS (MBAS) BY SM5540C				**Matrix:** Water	
HS25080779-01	La Sara RO Discharge	14 Aug 2025 15:20		16 Aug 2025 07:15	16 Aug 2025 08:12	1

RIGHT SOLUTIONS | RIGHT PARTNER

Client: A & B Labs
Project: La Sara RO Discharge
WorkOrder: HS25080779

QC BATCH REPORT

Batch ID: 231766 (0) **Instrument: UV-2450** **Method: SURFACTANTS (MBAS) BY SM5540C**

MBLK Sample ID: **MBLK-231766** Units: **mg/L 340 MW LAS** Analysis Date: **16-Aug-2025 08:12**
Client ID: Run ID: **UV-2450_519819** SeqNo: **8988930** PrepDate: **16-Aug-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	ND	0.0500								

LCS Sample ID: **LCS-231766** Units: **mg/L 340 MW LAS** Analysis Date: **16-Aug-2025 08:12**
Client ID: Run ID: **UV-2450_519819** SeqNo: **8988928** PrepDate: **16-Aug-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.512	0.0500	0.5	0	102	85 - 115				

LCSD Sample ID: **LCSD-231766** Units: **mg/L 340 MW LAS** Analysis Date: **16-Aug-2025 08:12**
Client ID: Run ID: **UV-2450_519819** SeqNo: **8988929** PrepDate: **16-Aug-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.497	0.0500	0.5	0	99.4	85 - 115	0.512	2.97	20	

MS Sample ID: **HS25080779-01MS** Units: **mg/L 340 MW LAS** Analysis Date: **16-Aug-2025 08:12**
Client ID: **La Sara RO Discharge** Run ID: **UV-2450_519819** SeqNo: **8988927** PrepDate: **16-Aug-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.544	0.0500	0.5	0.062	96.4	80 - 120				

The following samples were analyzed in this batch: HS25080779-01

RIGHT SOLUTIONS | RIGHT PARTNER

Client: A & B Labs
Project: La Sara RO Discharge
WorkOrder: **HS25080779**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

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CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2026
Arkansas	88-00356_2024	17-Mar-2026
California	2919 - 2025	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Dept of Defense	L24-240	30-Apr-2026
Florida	E87611-2025	30-Jun-2026
Illinois	200032 - 2025	31-Jul-2026
Kansas	KS-C25-00168	31-Jul-2026
Kentucky	123043-2025	30-Apr-2026
Louisiana	03087-2025	30-Jun-2026
Maine	2024017	23-Jun-2026
Michigan	9971-2025	30-Apr-2026
Minnesota	2856348	31-Dec-2025
Missouri	136	30-Sep-2026
Nebraska	NE-OS-25-13 - 2025	30-Apr-2026
Nevada	NV-C25-00124 - 2025	31-Jul-2026
New Hampshire	209425	24-Apr-2026
New Jersey	TX008-2025	30-Jun-2026
New York	11707 - 2025	01-Apr-2026
North Carolina	624 - 2024	31-Dec-2025
North Dakota	R-193 2023-2024	30-Sep-2025
Oklahoma	2023-140	31-Aug-2025
Oregon	TX200002-013	15-May-2026
Pennsylvania	019	01-Jul-2026
Tennessee	TN	30-Apr-2026
Texas	T104704231 TX-C24-00130	30-Apr-2026

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Sample Receipt Checklist

Work Order ID: HS25080779 **Date/Time Received:** **15-Aug-2025 15:45**

Client Name: AB_Labs_Hou **Received by:** **Chelsea Rogers**

Completed By:	/S/ Chelsea Rogers	15-Aug-2025 16:02	**Reviewed by:**	/S/ Beverly Mustafa	15-Aug-2025 16:30
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **W** Carrier name: **Client**

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 ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	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 ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	3.1UC/3.1C	IR 37
Cooler(s)/Kit(s):	WHITE	
Date/Time sample(s) sent to storage:	08/15/2025 16:02	

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

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Subcontract Laboratory Chain-of-Custody

A & B Labs	Send To:	Report To:	Turnaround Time:
10100 East Freeway	Company: ALS Environmental	Company: A&B Labs	**Standard TAT: X**
Suite 100	Address: 10450 Stancliff Rd., Ste. 210	Address: 10100 East Frwy Suite 100	
Houston, TX 77029	Houston, TX 77099	Houston, TX 77029	**Need Results by:**
713-453-6060	Contact: Hussam Kelany	Contact: Alisha Hughes/Amanda Shute	**PO# 55870 / 25081527**
713-453-6091 fax	Phone: 281-530-5656	Phone: 713-453-6060 xt 127	**Quote:**
info@ablabs.com	Fax: 713-266-0130	Email: reports@ablabs.com	P **Bottle Type**
	Email: hussam.kelany@alsglobal.com	CC:	C **Preservatives**

PLEASE EMAIL INVOICE TO: ACCOUNTSPAYABLE@ABLABS.COM

Special Instructions or Comments:

Lab #	Item	Sample ID / Name	Collection Date	Collection Time	Comp	Grab	Matrix	# of Containers	Container Types	Surfactants	Remarks:
25081527.01	1	La Sara RO Discharge	8/14/25	15:20	X		W	1	P	X	
	2										
	3										
	4										
	5	***PLEASE WATCH HOLD TIME***									
	6										
	7										
	8										
	9										
	10										

HS25080779
A & B Labs
La Sara RO Discharge

Matrix: **WW**-Wastewater **W**-Water **DW**-Drinking Water **S**-Soil **SD**-Solid **L**-Liquid **SL**-Sludge **O**-Oil **A**-Air Bag **Can**-Air Canister **B**-OVM Badge **T**-Tube
Preservatives: **C**-Cool/Ice **H**-HCl **N**-Nitric Acid **S**-Sulfuric Acid **OH**-NaOH **T**-Sodium Thiosulfate **O**- Other (specify)_____
Containers: **VOA**-40 ml vial **A**-amber 1 liter **G**-glass 1 liter **4oz** or **8oz** - 4/8 ounce glass **P**-Plastic

Relinquished By:	Date	Time	Received By:	Date	Time
	8-15-25	1545	CR 08/15/25 1545		

IR37 Cf0.0
White 3.1

ab-s004-0309

RIGHT SOLUTIONS | RIGHT PARTNER

Job ID:25081527

08/15/2025 North Alamo Water Supply ANA

istody is a Legal Document

1. REPORT TO:	2. INVOICE TO:	3. PO # QT25062703
North Alamo Water Supply		4. Turnaround Time- Business Days
420 S. Doolittle Rd.	On file	☐ 1 Day * ☐ 5 Days *
Edinburg, TX 78542		☐ 2 Days * ☑ 7 Days-Standard
Roland Zamora		☐ 3 Days * ☐ Other
956-651-0400		* Surcharge Applies
Dist List		*Day Zero is the day sample is received. Report due at 5pm on due day.*

www.ablabs.com

A&B JOB ID

5. Project #

6. Project Name / Location: La Sara RO Discharge Permit Renewal

7. Reporting Requirement: ☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☑ MDL Rpt

8. Sampler's Name & Co: INEOS/ Saul Leal North Alamo water supply

Sampler's Signature & Date: 8-13-25

9. Sample ID & Description	Lab Use Only	10. Sampling Date	10. Sampling Time	11. comp	11. grab	12. Matrix Water	12. Matrix Soil	13. Total No. of Containers	BOD, CBOD, TDS, TSS	HexCr_Low, Color, Surfactants_SUB, Alkalinity	Low Level Mercury	Metals 200.8, Metals 200.7, Metals_Blist 200.7, TriCr_Low	Sulfite (If not done in the field)	Ammonia, TOC, TON, COD, TKN, Phosphorus, NO3+NO2	**Anions 300.0	O&G_HEM	Cyanide_Amenable Ultra_Low	Sulfide	*Field Tests: Ph, Temp, Chlorine, DO, Sulfite	18. Comments
								4 P C	3 VOA H	1 P N	1 P C	1 P S	1 P C	2 G S	1 P OH,X	1 P OH,ZnA				Number of Containers
																				14. Containers*
																				15. Preservatives**
																				16. pH-Lab Only
																				*Metals 200.8 - Al,Sb,As,Ba,Be,Cd,Co,Cr,Cu,Pb,Mn,Mo,Ni,Se,Ag,Tl,Ti,Zn Metals 200.7 - B,Fe,Mg Metals_Blist 200.7 - Tin
La Sara RO Discharge	01AR	8-14-25	1520	X		X		15	X	X	X	X	X	X	X	X	X	X		
Field Blank	02AC	8-14-25	1500		X	X		3		X										pH 7.88
																				Temp 96.2°F
																				Chlorine 1.03 mg/L
																				DO 2.92 mg/L
																				Sulfite

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1) Saul Leal	8-14-25	1640	1) FedEx		
2) FedEx	8/15/25	10:13	2)	8/15/25	10:13
3)			3)		

***Anions: Bromide, Chloride, Fluoride, Nitrate, Sulfate

*Containers: VOA- 40 ml vial; A/G- Amber/Glass 1 Liter; 4 oz/8 oz- glass wide mouth; P/O- Plastic/other

**Preservatives: C-Cool H-HCl N-HNO3 S-H2SO4 OH-NaOH T-Na2S2O3 X-Other: NaAsO2

Temperature: 5.4°C Intact? ☑ Y ☐ N Initials: IR10

BILL OF LADING/TRACKING #: METHOD OF SHIPMENT

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

SHORT HOLD TIMES: Color, HexCr - 24hr / BOD, CBOD, Nitrate, Surfactant - 48hr

ORIGIN ID:MFEA (956) 533-1193
ROLAND ZAMORA
NORTH ALAMO WATER SUPPLY
420 S. DOOLITTLE RD.

EDINBURG, TX 78539
UNITED STATES US

SHIP DATE: 05AUG25
ACTWGT: 30.00 LB
CAD: 251130814/INET4535

TO **REVATHI PONNAMBALAM**
A&B ENVIRONMENTAL SERVICES
10100 EAST FWY STE 100

HOUSTON TX 77029
(713) 453-6060 REF:
INV: RMA: ROLAND ZAMORA
PO: DEPT:

58GJ2/E4ED/59F2

RMA:

FedEx Express

TRK# 0221 **7918 8101 5160**

RETURNS MON-FRI
PRIORITY OVERNIGHT

77029

TX-US

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Sample Condition Checklist

A&B JobID : **25081527**	Date Received : **08/15/2025**	Time Received : **10:13AM**
Client Name : **North Alamo Water Supply**		
Temperature : **5.4**	Sample pH : **<2 Metals, NH3, TOC, TON, COD, TKN, P >9 Sulfide >**	
Thermometer ID : **IR9**	pH Paper ID : **128919**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**	X		
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**	X		

Comments : Include actions taken to resolve discrepancies/problem:

CN:NaOH+NaAsO2. Sulfide has no headspace. AM 08/15/25

Brought by : FedEx

Received by : KMatthieu

Check in by/date : Amber / 08/15/2025

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 32

Job ID : 25081527

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
La Sara RO Discharge Permit Renewal

Report To :	Client Name:	North Alamo Water Supply	P.O.#.:
	Attn:	Roland Zamora	Sample Collected By: Saul Leal
	Client Address:	420 S. Doolittle Rd.	Date Collected: 08/14/25
	City, State, Zip:	Edinburg, Texas, 78539	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
La Sara RO Discharge	Water	25081527.01
Field Blank	Water	25081527.02

Released By: Dhamodharan Shanmugam
Title: Reporting Associate
Date: 8/26/2025

This Laboratory is NELAP (T104704213-23-31) accredited. Effective: 04/01/2025; Expires: 03/31/2026
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

ab-q210-0321

Date Received : 08/15/2025 10:13

25.1.38888

Report Number: RPT250826051

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 25081527

Date: 8/26/2025

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RLU	Relative Light Unit
J	Estimation. Below calibration range but above MDL	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
LOD	Limit of detection adjusted for %M + DF	SQL	Sample Quantitation Limit
LOQ	Limit of Quantitation adjusted for %M + DF	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight	UQL	Unadjusted Upper Quantitation Limit
MQL	Unadjusted Minimum Quantitation Limit		

Qualifier Definition

D1	Sample required dilution due to matrix effects.
D9	The method-required sample volume was not analyzed to meet the 2.5 mg minimum residue requirement due to prolonged time of filtration or limited sample volume available. The accuracy of the results is confirmed.
H1	Sample analysis performed past holding time.
H2	Initial analysis within holding time. Re-analysis was past holding time.
H3	Sample was received and analyzed past holding time.
J	Estimation. Below calibration range but above MDL.
M1	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits due to matrix interference. "The sample randomly selected as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
M6	Sample concentration high, more than 4X spike concentration. Control limits do not apply."The sample randomly selcted as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
U	Undetected at SDL (Sample Detection Limit).

LABORATORY TEST RESULTS

Job ID : 25081527

Date 8/26/2025

Client Name:	North Alamo Water Supply	Attn: Roland Zamora	
Project Name:	La Sara RO Discharge Permit Renewal		

Client Sample ID:	La Sara RO Discharge	Job Sample ID:	25081527.01
Date Collected:	08/14/25	Sample Matrix	Water
Time Collected:	15:20	% Moisture	
Other Information:			

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 1664B										
	Oil & Grease	<1.51	mg/L	1.08	1.51	2.70		U	08/19/25 11:34	NA
SM 2120B	True Color									
	Color	<5	PCU	1	5	5		H1,U	08/18/25 15:32	KL
SM 2320B	Alkalinity									
	Alkalinity	424	mg CaCO3/L	1	3.36	20.0			08/21/25 09:30	DPK
SM 2540C	Total Dissolved Solids									
	TDS	12700	mg/L	10	34.0	100			08/15/25 16:00	AL
SM 2540D	Total Suspended Solids									
	TSS	2.80	mg/L	0.200	0.5	0.5		D9	08/18/25 18:02	AL
EPA 300.0	Anions									
	Fluoride	3.71	mg/L	5.00	0.09	0.500			08/16/25 16:02	GPR
	Chloride	5240	mg/L	1000.00	18.0	100			08/16/25 18:14	GPR
	Bromide	11.9	mg/L	5.00	0.105	0.500			08/16/25 16:02	GPR
	Nitrate-N	<0.04	mg/L	5.00	0.04	0.500		H2,D1,U	08/16/25 16:02	GPR
	Sulfate	4010	mg/L	1000.00	10.0	100			08/16/25 18:14	GPR
SM 4500CN-CG	Cyanide, Amenable Ultra Low									
	Cyanide, Amenable	<0.00069	mg/L	1	0.00069	0.00200		U	08/20/25 16:21	SKC
EPA 350.1										
	Ammonia as N	<0.014	mg/L	1.00	0.014	0.100		U	08/19/25 16:25	SKC
SM 3500Cr B										
	Chromium, Hexavalent	<0.0005	mg/L	1	0.0005	0.00100		U	08/15/25 11:00	SS
SM 3500Cr B										
	Chromium, Trivalent[2]	<0.0005	mg/L	1	0.0005	0.00100		U	08/18/25 10:55	SS
EPA 351.2	Total Kjeldahl Nitrogen									
	TKN	<0.02	mg/L	1.00	0.02	0.200		U	08/15/25 23:30	SKC
EPA 351.2/350.3/351.4/350.1										
	Total Organic Nitrogen	<0.02	mg/L	1	0.02	0.500		U	08/22/25 15:30	SKC
EPA 353.2	Nitrate+Nitrite Nitrogen by Automated Colorimetry									
	Nitrate/Nitrite as N	1.16	mg/L	5.00	0.032	0.100			08/20/25 13:49	SKC
SM 4500P-E	Phosphorus									

LABORATORY TEST RESULTS

Job ID : 25081527

Date 8/26/2025

Client Name: North Alamo Water Supply Attn: Roland Zamora

Project Name: La Sara RO Discharge Permit Renewal

Client Sample ID: La Sara RO Discharge
Date Collected: 08/14/25
Time Collected: 15:20
Other Information:

Job Sample ID: 25081527.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
SM 4500P-E	Phosphorus									
	Phosphorus	0.442	mg/L	1	0.01	0.0500			08/20/25 10:18	KL
SM 4500-S D	Sulfide									
	Sulfide	<0.01	mg/L	1	0.01	0.0500		U	08/19/25 12:30	KL
SM 4500SO3-B	Reducing Agents, as Sulfite									
	Sulfite	<5.00	mg/L	1	5.00	5.00		H3,U	08/15/25 16:30	AD
SM 5210B	Biochemical Oxygen Demand (BOD5)									
	BOD	<2	mg/L	1	2	2		U	08/15/25 19:00	SP
SM 5210B	Carbonaceous Biochemical Oxygen Demand									
	CBOD	<2	mg/L	1	2			U	08/15/25 18:00	SP
SM 5220D	Chemical Oxygen Demand									
	COD	57.0	mg/L	1	2.4	10.0			08/18/25 10:05	SP
SM 5310B	Total Organic Carbon									
	TOC	1.49	mg/L	1.00	0.61	1.00			08/22/25 09:46	KL
EPA 1631E	CVAFS									
	Mercury	0.32200	ng/L	1	0.042000	0.25000			08/18/25 02:39	AK
EPA 200.7	Total Recoverable Metals									
	Boron	4.87	mg/L	1	0.003	0.0100			08/18/25 11:20	RT
	Iron	0.0590	mg/L	1	0.003	0.0100			08/18/25 11:20	RT
	Magnesium	123	mg/L	100	0.999	2.00			08/18/25 14:52	RT
EPA 200.7	Total Recoverable Metals									
	Tin	<0.01	mg/L	1	0.01	0.01		U	08/18/25 11:20	RT
EPA 200.8	Metals by ICP/MS									
	Aluminum	0.0129	mg/L	1.00	0.00079	0.00100			08/18/25 13:39	DRS
	Antimony	0.00047	mg/L	1.00	0.00013	0.00050		J	08/18/25 13:39	DRS
	Arsenic	0.0375	mg/L	1.00	0.00003	0.00025			08/18/25 13:39	DRS
	Barium	0.0616	mg/L	1.00	0.00009	0.00050			08/18/25 13:39	DRS
	Beryllium	<0.00006	mg/L	1.00	0.00006	0.00025		U	08/18/25 13:39	DRS
	Cadmium	0.00005	mg/L	1.00	0.00003	0.00025		J	08/18/25 13:39	DRS
	Chromium	0.00032	mg/L	1.00	0.00013	0.00025			08/18/25 13:39	DRS
	Cobalt	0.00006	mg/L	1.00	0.00006	0.00025		J	08/18/25 13:39	DRS
	Copper	0.00219	mg/L	1.00	0.00009	0.00050			08/18/25 13:39	DRS
	Lead	0.00072	mg/L	1.00	0.00003	0.00025			08/18/25 13:39	DRS
	Manganese	0.0491	mg/L	1.00	0.00006	0.00050			08/18/25 13:39	DRS
	Molybdenum	0.138	mg/L	1.00	0.00009	0.00025			08/18/25 13:39	DRS

ab-q212-0321

LABORATORY TEST RESULTS

Job ID : 25081527

Date 8/26/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: La Sara RO Discharge Permit Renewal

Client Sample ID: La Sara RO Discharge
Date Collected: 08/14/25
Time Collected: 15:20
Other Information:

Job Sample ID: 25081527.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 200.8	Metals by ICP/MS									
	Nickel	0.00123	mg/L	1.00	0.00038	0.00025			08/18/25 13:39	DRS
	Selenium	0.00133	mg/L	1.00	0.00031	0.00100			08/18/25 13:39	DRS
	Silver	<0.00013	mg/L	1.00	0.00013	0.00050		U	08/18/25 13:39	DRS
	Thallium	<0.00006	mg/L	1.00	0.00006	0.00025		U	08/18/25 13:39	DRS
	Titanium	0.00030	mg/L	1.00	0.00013	0.00025			08/18/25 13:39	DRS
	Zinc	0.0907	mg/L	1.00	0.00047	0.00200			08/18/25 13:39	DRS

LABORATORY TEST RESULTS

Job ID : 25081527

Date 8/26/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: La Sara RO Discharge Permit Renewal

Client Sample ID: Field Blank
Date Collected: 08/14/25
Time Collected: 15:00
Other Information:

Job Sample ID: 25081527.02
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 1631E	CVAFS									
	Mercury	0.07080	ng/L	1	0.042000	0.25000		J	08/18/25 02:44	AK

ab-q212-0321

[2]-Parameter not available for accreditation.

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : **Method :** **SM 3500Cr B** **Reporting Units : mg/L**

QC Batch ID : Qb25081580 **Created Date :** 08/14/25 **Created By :** SShukla

Samples in This QC Batch : 25081527.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB1	Chromium, Hexavalent	18540-29-9	< MDL	mg/L	1	0.001	0.0005		
Method Blank	Chromium, Hexavalent	18540-29-9	< MDL	mg/L	1	0.001	0.0005		

QC Type: Duplicate

QC Sample ID: 25081355.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Chromium, Hexavalent	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Chromium, Hexavalent	0.02	0.0197	98.5	0.02	0.0199	99.5	1	20	86.8-108	

QC Type: MS and MSD

QC Sample ID: 25081355.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Chromium, Hexavalent	BRL	0.02	0.0163	81.5	0.02	0.0163	81.5	0.0	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : Total Dissolved Solids **Method : SM 2540C** **Reporting Units : mg/L**

QC Batch ID : Qb25081589 **Created Date :** 08/15/25 **Created By :** ALassile

Samples in This QC Batch : 25081527.01

Sample Preparation : PB25081549 **Prep Method :** SM 2540C **Prep Date :** 08/15/25 15:40 **Prep By :** ALassile

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TDS	TDS	< MDL	mg/L	1	10	3.4		

QC Type: Duplicate

QC Sample ID: 25081451.11

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TDS	2620	2580.0	mg/L	1.5	5		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TDS	500	498	99.6						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : **Reducing Agents, as Sulfite** **Method :** **SM 4500SO3-B** **Reporting Units :** **mg/L**

QC Batch ID : Qb25081592 **Created Date :** 08/15/25 **Created By :** ADissanayake

Samples in This QC Batch : 25081527.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Sulfite		< MDL	mg/L	1	5	5		

QC Type: Duplicate

QC Sample ID: 25081527.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Sulfite	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Sulfite	2500	2250.00	90.0	2500	2250.00	90.0	0.0	20	70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : Anions **Method :** EPA 300.0 **Reporting Units :** mg/L

QC Batch ID : Qb25081701 **Created Date :** 08/16/25 **Created By :** PReddy

Samples in This QC Batch : 25081527.01

Sample Preparation : PB25081547 **Prep Method :** EPA 300.0 **Prep Date :** 08/15/25 15:30 **Prep By :** PReddy

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Fluoride	16984-48-8	< MDL	mg/L	1.00	0.1	0.018		
Method Blank	Chloride	16887-00-6	< MDL	mg/L	1.00	0.1	0.018		
Method Blank	Bromide	24959-67-9	< MDL	mg/L	1.00	0.1	0.021		
Method Blank	Nitrate-N	14797-55-8	< MDL	mg/L	1.00	0.1	0.007		
Method Blank	Sulfate	14808-79-8	< MDL	mg/L	1.00	0.1	0.010		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Fluoride	1	0.980	98	1	0.987	98.7	0.7	20	90-110	
Chloride	1	0.952	95.2	1	0.960	96	0.8	20	90-110	
Bromide	1	0.945	94.5	1	0.953	95.3	0.9	20	90-110	
Nitrate-N	1	1.02	102	1	1.01	101	1.4	20	90-110	
Sulfate	1	0.913	91.3	1	0.962	96.2	5.2	20	90-110	

QC Type: MS and MSD
QC Sample ID: 25081306.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Fluoride	BRL	50	60.7	121						80-120	M1
Chloride	161	50	218	114						80-120	
Bromide	BRL	50	57.5	115						80-120	
Nitrate-N	BRL	50	64.8	130						80-120	M1
Sulfate	119	50	168	99.9						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : Chemical Oxygen Demand **Method : SM 5220D** **Reporting Units : mg/L**

QC Batch ID : Qb25081865 **Created Date :** 08/18/25 **Created By :** sadeshp

Samples in This QC Batch : 25081527.01

Sample Preparation : PB25081830 **Prep Method :** SM 5220D **Prep Date :** 08/18/25 10:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB	COD		< MDL	mg/L	1	10	2.4		
CCB1	COD		< MDL	mg/L	1	10	2.4		
CCB2	COD		< MDL	mg/L	1	10	2.4		
Method Blank	COD		< MDL	mg/L	1	10	2.4		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
COD	300	307	102.3	300	305	101.7	0.7	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25081513.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
COD	26	400	430	101.0	400	424	99.5	1.4	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : Total Kjeldahl Nitrogen **Method : EPA 351.2** **Reporting Units : mg/L**

QC Batch ID : Qb25081876 **Created Date :** 08/15/25 **Created By :** Srijan

Samples in This QC Batch : 25081527.01

Sample Preparation : PB25081836 **Prep Method :** EPA 351.2_ **Prep Date :** 08/15/25 19:00 **Prep By :** Srijan

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TKN		< MDL	mg/L	1.00	0.2	0.02446		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TKN	1	0.953	95.3	1	0.959	95.9	0.7	10	90-110	

QC Type: MS and MSD
QC Sample ID: 25081404.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TKN	0.565	1	1.60	104	1	1.61	104	0.3	10	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : CVAFS **Method :** EPA 1631E **Reporting Units :** ng/L

QC Batch ID : Qb25081882 **Created Date :** 08/18/25 **Created By :** Abhishek

Samples in This QC Batch : 25081527.01,02

Digestion : PB25081843 **Prep Method :** EPA 1631E **Prep Date :** 08/15/25 17:00 **Prep By :** Abhishek

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Blank 2	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		
Blank 3	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		
Method Blank	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	5	5.1300	103	5	5.2000	104	1.4	24	77-123	

QC Type: MS and MSD
QC Sample ID: 25081527.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	0.32200	5	5.5200	110	5	5.6500	113	2.3	24	71-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : Metals by ICP/MS **Method :** EPA 200.8 **Reporting Units :** mg/L

QC Batch ID : Qb25081887 **Created Date :** 08/18/25 **Created By :** DSoni

Samples in This QC Batch : 25081527.01

Digestion : PB25081844 **Prep Method :** EPA 200.8 **Prep Date :** 08/18/25 08:05 **Prep By :** JYou

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Aluminum	7429-90-5T	< MDL	mg/L	1	0.001	0.00079		
Method Blank	Antimony	7440-36-0	< MDL	mg/L	1	0.0005	0.00013		
Method Blank	Arsenic	7440-38-2T	< MDL	mg/L	1	0.00025	3E-05		
Method Blank	Barium	7440-39-3T	< MDL	mg/L	1	0.0005	9E-05		
Method Blank	Beryllium	7440-41-7	< MDL	mg/L	1	0.00025	6E-05		
Method Blank	Cadmium	7440-43-9	< MDL	mg/L	1	0.00025	3E-05		
Method Blank	Chromium	7440-47-3T	< MDL	mg/L	1	0.00025	0.00013		
Method Blank	Cobalt	7440-48-4	< MDL	mg/L	1	0.00025	6E-05		
Method Blank	Copper	7440-50-8	< MDL	mg/L	1	0.0005	9E-05		
Method Blank	Lead	7439-92-1T	< MDL	mg/L	1	0.00025	3E-05		
Method Blank	Manganese	7439-96-5	< MDL	mg/L	1	0.0005	6E-05		
Method Blank	Molybdenum	7439-98-7	< MDL	mg/L	1	0.00025	9E-05		
Method Blank	Nickel	7440-02-0	< MDL	mg/L	1	0.00025	0.00038		
Method Blank	Selenium	7782-49-2	< MDL	mg/L	1	0.001	0.00031		
Method Blank	Silver	7440-22-4	< MDL	mg/L	1	0.0005	0.00013		
Method Blank	Thallium	7440-28-0	< MDL	mg/L	1	0.00025	6E-05		
Method Blank	Titanium	7440-32-6	< MDL	mg/L	1	0.00025	0.00013		
Method Blank	Zinc	7440-66-6T	< MDL	mg/L	1	0.002	0.00047		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aluminum	0.05	0.0492	98.5	0.05	0.0496	99.3	0.7	20	85-115	
Antimony	0.05	0.0489	97.7	0.05	0.0475	95.1	2.8	20	85-115	
Arsenic	0.05	0.0483	96.5	0.05	0.0476	95.2	1.4	20	85-115	
Barium	0.05	0.0488	97.7	0.05	0.0480	96	1.7	20	85-115	
Beryllium	0.05	0.0487	97.4	0.05	0.0487	97.5	0.0	20	85-115	
Cadmium	0.05	0.0492	98.4	0.05	0.0476	95.2	3.3	20	85-115	
Chromium	0.05	0.0491	98.2	0.05	0.0475	94.9	3.4	20	85-115	
Cobalt	0.05	0.0492	98.5	0.05	0.0479	95.8	2.8	20	85-115	
Copper	0.05	0.0487	97.3	0.05	0.0481	96.1	1.2	20	85-115	
Lead	0.05	0.0486	97.1	0.05	0.0477	95.5	1.8	20	85-115	
Manganese	0.05	0.0490	98	0.05	0.0475	95.1	3.1	20	85-115	
Molybdenum	0.05	0.0475	95.1	0.05	0.0472	94.4	0.7	20	85-115	
Nickel	0.05	0.0487	97.4	0.05	0.0481	96.1	1.2	20	85-115	
Selenium	0.05	0.0487	97.4	0.05	0.0480	96	1.4	20	85-115	
Silver	0.05	0.0488	97.5	0.05	0.0477	95.4	2.2	20	85-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : **Metals by ICP/MS** **Method :** **EPA 200.8** **Reporting Units :** **mg/L**

QC Batch ID : Qb25081887 **Created Date :** 08/18/25 **Created By :** DSoni

Samples in This QC Batch : 25081527.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Thallium	0.05	0.0489	97.8	0.05	0.0482	96.5	1.4	20	85-115	
Titanium	0.05	0.0494	98.8	0.05	0.0486	97.3	1.6	20	85-115	
Zinc	0.05	0.0489	97.9	0.05	0.0486	97.2	0.7	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25081542.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.00321	0.1	0.107	104						70-130	
Antimony	BRL	0.1	0.106	106						70-130	
Arsenic	0.00306	0.1	0.103	100						70-130	
Barium	0.144	0.1	0.255	111						70-130	
Beryllium	BRL	0.1	0.101	101						70-130	
Cadmium	BRL	0.1	0.104	104						70-130	
Chromium	0.00415	0.1	0.106	102						70-130	
Cobalt	BRL	0.1	0.102	102						70-130	
Copper	0.0182	0.1	0.119	100						70-130	
Lead	0.00265	0.1	0.105	103						70-130	
Manganese	BRL	0.1	0.104	104						70-130	
Molybdenum	0.00364	0.1	0.104	100						70-130	
Nickel	0.00092	0.1	0.0996	98.6						70-130	
Selenium	0.448	0.1	0.581	132						70-130	M6
Silver	BRL	0.1	0.105	105						70-130	
Thallium	BRL	0.1	0.100	100						70-130	
Titanium	BRL	0.1	0.102	102						70-130	
Zinc	0.0276	0.1	0.129	102						70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25081891 **Created Date :** 08/18/25 **Created By :** Rajeev

Samples in This QC Batch : 25081527.01

Digestion : PB25081818 **Prep Method :** EPA 200.7 **Prep Date :** 08/18/25 08:15 **Prep By :** Mwissman

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
ICB	Aluminum	7429-90-5T	< MDL	mg/L	1	0.01	0.00647		
ICB	Arsenic	7440-38-2T	< MDL	mg/L	1	0.01	0.00248		
ICB	Barium	7440-39-3T	< MDL	mg/L	1	0.01	0.00119		
ICB	Beryllium	7440-41-7	< MDL	mg/L	1	0.01	0.00119		
ICB	Boron	7440-42-8T	< MDL	mg/L	1	0.01	0.00336		
ICB	Cadmium	7440-43-9	< MDL	mg/L	1	0.01	0.00119		
ICB	Chromium	7440-47-3T	< MDL	mg/L	1	0.01	0.00119		
ICB	Cobalt	7440-48-4	< MDL	mg/L	1	0.01	0.00154		
ICB	Copper	7440-50-8	< MDL	mg/L	1	0.01	0.00119		
ICB	Iron	7439-89-6T	< MDL	mg/L	1	0.01	0.00283		
ICB	Lead	7439-92-1T	< MDL	mg/L	1	0.01	0.00433		
ICB	Magnesium	7439-95-4T	< MDL	mg/L	1	0.02	0.00999		
ICB	Manganese	7439-96-5	< MDL	mg/L	1	0.01	0.00119		
ICB	Molybdenum	7439-98-7	< MDL	mg/L	1	0.01	0.00119		
ICB	Nickel	7440-02-0	< MDL	mg/L	1	0.01	0.00119		
ICB	Selenium	7782-49-2	< MDL	mg/L	1	0.01	0.00493		
ICB	Silver	7440-22-4	< MDL	mg/L	1	0.01	0.00248		
ICB	Zinc	7440-66-6T	< MDL	mg/L	1	0.01	0.01		
Method Blank	Aluminum	7429-90-5T	< MDL	mg/L	1	0.01	0.00647		
Method Blank	Arsenic	7440-38-2T	< MDL	mg/L	1	0.01	0.00248		
Method Blank	Barium	7440-39-3T	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Beryllium	7440-41-7	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Boron	7440-42-8T	< MDL	mg/L	1	0.01	0.00336		
Method Blank	Cadmium	7440-43-9	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Chromium	7440-47-3T	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Cobalt	7440-48-4	< MDL	mg/L	1	0.01	0.00154		
Method Blank	Copper	7440-50-8	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Iron	7439-89-6T	< MDL	mg/L	1	0.01	0.00283		
Method Blank	Lead	7439-92-1T	< MDL	mg/L	1	0.01	0.00433		
Method Blank	Magnesium	7439-95-4T	< MDL	mg/L	1	0.02	0.00999		
Method Blank	Manganese	7439-96-5	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Molybdenum	7439-98-7	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Nickel	7440-02-0	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Selenium	7782-49-2	< MDL	mg/L	1	0.01	0.00493		
Method Blank	Silver	7440-22-4	< MDL	mg/L	1	0.01	0.00248		
Method Blank	Zinc	7440-66-6T	< MDL	mg/L	1	0.01	0.01		

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25081891 **Created Date :** 08/18/25 **Created By :** Rajeev

Samples in This QC Batch : 25081527.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aluminum	1	0.990	99	1	1.01	101	2	20	85-115	
Arsenic	1	1.04	104	1	1.06	106	2	20	85-115	
Barium	1	1.00	100	1	1.01	101	1	20	85-115	
Beryllium	1	0.982	98.2	1	1.00	100	1.8	20	85-115	
Boron	1	1.01	101	1	1.02	102	1.4	20	85-115	
Cadmium	1	0.984	98.4	1	1.00	100	1.6	20	85-115	
Chromium	1	0.996	99.6	1	1.01	101	1.4	20	85-115	
Cobalt	1	0.982	98.2	1	0.998	99.8	1.6	20	85-115	
Copper	1	0.987	98.7	1	1.00	100	1.3	20	85-115	
Iron	1	0.990	99	1	1.00	100	1	20	85-115	
Lead	1	0.995	99.5	1	1.01	101	1.5	20	85-115	
Magnesium	1	0.980	98	1	0.996	99.6	1.6	20	85-115	
Manganese	1	0.962	96.2	1	0.975	97.5	1.3	20	85-115	
Molybdenum	1	0.971	97.1	1	0.996	99.6	2.5	20	85-115	
Nickel	1	0.986	98.6	1	1.00	100	1.4	20	85-115	
Selenium	1	1.02	102	1	1.04	104	2	20	85-115	
Silver	1	1.00	100	1	1.02	102	2	20	85-115	
Zinc	1	0.982	98.2	1	0.996	99.6	1.4	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25081527.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.0110	1	1.24	123						75-125	
Arsenic	0.0420	1	1.17	113						75-125	
Barium	0.0770	1	1.16	108						75-125	
Beryllium	BRL	1	0.961	96.1						75-125	
Boron	4.87	1	5.93	106						75-125	
Cadmium	BRL	1	0.919	91.9						75-125	
Chromium	BRL	1	0.964	96.4						75-125	
Cobalt	BRL	1	0.929	92.9						75-125	
Copper	BRL	1	1.16	115.8						75-125	
Iron	0.0590	1	1.00	94.6						75-125	
Lead	BRL	1	0.923	92.3						75-125	
Magnesium	123	1	110	-1280.800						75-125	M6
Manganese	0.0460	1	0.987	94.1						75-125	
Molybdenum	0.0760	1	1.08	100						75-125	
Nickel	BRL	1	0.902	90.2						75-125	
Selenium	BRL	1	1.10	110						75-125	
Silver	BRL	1	1.15	115						75-125	
Zinc	0.0940	1	1.14	105						75-125	

ab-q213-0321

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25081893 **Created Date :** 08/18/25 **Created By :** Rajeev

Samples in This QC Batch : 25081527.01

Digestion : PB25081819 **Prep Method :** EPA 200.7 **Prep Date :** 08/18/25 08:15 **Prep By :** Mwissman

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
ICB	Tin	7440-31-5	< MDL	mg/L	1	0.01	0.01		
Method Blank	Tin	7440-31-5	< MDL	mg/L	1	0.01	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Tin	1	0.985	98.5	1	0.999	99.9	1.4	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25081527.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Tin	BRL	1	0.934	93.4						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : **Method :** **EPA 350.1** **Reporting Units : mg/L**

QC Batch ID : Qb250819108 **Created Date :** 08/19/25 **Created By :** Srijan

Samples in This QC Batch : 25081527.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Ammonia as N	NH3-N	< MDL	mg/L	1.00	0.1	0.01385		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ammonia as N	1	1.03	103	1	1.04	104	1	20	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25081682.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	3.22	1	4.21	99.5	1	4.22	100.3	0.3	10	90-110	

QC Type: MS2 and MSD2
QC Sample ID: 25081527.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	BRL	1	1.01	101	1	1.01	101	0.4	10	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : Total Suspended Solids **Method : SM 2540D** **Reporting Units : mg/L**

QC Batch ID : Qb25081920 **Created Date :** 08/19/25 **Created By :** ALassile

Samples in This QC Batch : 25081527.01

Sample Preparation : PB25081912 **Prep Method :** SM 2540D **Prep Date :** 08/18/25 18:01 **Prep By :** ALassile

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TSS	TSS	< MDL	mg/L	1	2.5	2.5		

QC Type: Duplicate

QC Sample ID: 25081512.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TSS	41.3	38.7	mg/L	6.5	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TSS	500	535	107.0						72-108	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : **Method :** **EPA 1664B** **Reporting Units : mg/L**

QC Batch ID : Qb25081924 **Created Date :** 08/19/25 **Created By :** NAmarasinghe

Samples in This QC Batch : 25081527.01

Sample Preparation : PB25081914 **Prep Method :** EPA 1664B **Prep Date :** 08/19/25 10:15 **Prep By :** NAmarasinghe

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Oil & Grease		< MDL	mg/L	1	2.5	1.4		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Oil & Grease	40	36.3	90.8	40	35.9	89.8	1.1	11	78-114	

QC Type: MS and MSD
QC Sample ID: 25081527.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Oil & Grease	BRL	40	38.4	93.0						78-114	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : Nitrate+Nitrite Nitrogen by Automated Colorimetry **Method :** EPA 353.2 **Reporting Units :** mg/L

QC Batch ID : Qb250820101 **Created Date :** 08/20/25 **Created By :** Srijan

Samples in This QC Batch : 25081527.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Nitrate/Nitrite as N		< MDL	mg/L	1.00	0.02	0.00647		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Nitrate/Nitrite as N	0.1	0.0955	95.5	0.1	0.0959	95.9	0.4	20	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25081245.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nitrate/Nitrite as N	0.140	0.1	0.241	101	0.1	0.241	101	0	20	90-110	

QC Type: MS2 and MSD2
QC Sample ID: 25081527.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nitrate/Nitrite as N	1.16	0.5	1.67	101.5	0.5	1.63	94.0	2.3	20	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : Cyanide, Amenable Ultra Low **Method : SM 4500CN-CG** **Reporting Units : mg/L**

QC Batch ID : Qb250820126 **Created Date :** 08/20/25 **Created By :** Srijan

Samples in This QC Batch : 25081527.01

Sample Preparation : PB25082058 **Prep Method :** SM 4500CN-CG **Prep Date :** 08/20/25 14:00 **Prep By :** Srijan

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Cyanide, Amenable	57-12-5	< MDL	mg/L	1	0.002	0.00069		

QC Type: Duplicate

QC Sample ID: 25081162.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Cyanide, Amenable	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Cyanide, Amenable	0.01	0.0095	95.0	0.01	0.010	100.0	5.1	20	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : Phosphorus **Method : SM 4500P-E** **Reporting Units : mg/L**

QC Batch ID : Qb25082075 **Created Date :** 08/20/25 **Created By :** KLyle

Samples in This QC Batch : 25081527.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Phosphorus	7723-14-0	< MDL	mg/L	1	0.05	0.00612		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Phosphorus	0.200	0.211	105.7	0.200	0.192	96.0	9.6	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25081355.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Phosphorus	0.0750	0.200	0.263	94.0	0.200	0.283	104.0	7.3	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : Biochemical Oxygen Demand (BOD5) **Method : SM 5210B** **Reporting Units : mg/L**

QC Batch ID : Qb25082130 **Created Date :** 08/15/25 **Created By :** sadeshp

Samples in This QC Batch : 25081527.01

Sample Preparation : PB25081558 **Prep Method :** SM 5210B **Prep Date :** 08/15/25 19:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	BOD		< MDL	mg/L	1	2	2		

QC Type: Duplicate

QC Sample ID: 25081527.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
BOD	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
BOD	198	184.00	92.9	198	180.00	90.9	2.2	20	84.6-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : Carbonaceous Biochemical Oxygen Demand **Method :** SM 5210B **Reporting Units :** mg/L

QC Batch ID : Qb25082132 **Created Date :** 08/15/25 **Created By :** sadeshp

Samples in This QC Batch : 25081527.01

Sample Preparation : PB25081557 **Prep Method :** SM 5210B **Prep Date :** 08/15/25 18:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	CBOD		< MDL	mg/L	1	----	2		

QC Type: Duplicate

QC Sample ID: 25081549.04

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
CBOD	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
CBOD	198	180.00	90.9	198	174.00	87.9	3.4	20	84.6-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : **Alkalinity** **Method :** **SM 2320B** **Reporting Units :** **mg CaCO3/L**

QC Batch ID : Qb25082194 **Created Date :** 08/21/25 **Created By :** DKunwar

Samples in This QC Batch : 25081527.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Alkalinity		< MDL	mg CaCO3/L	1	20	3.36		

QC Type: Duplicate

QC Sample ID: 25081282.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Alkalinity	202.2	204.2	mg CaCO3	1	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Alkalinity	1250	1251.3	100.0	1250	1261.3	101.0	0.8	20	91.7-114	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : Total Organic Carbon **Method : SM 5310B** **Reporting Units : mg/L**

QC Batch ID : Qb25082275 **Created Date :** 08/22/25 **Created By :** KLyle

Samples in This QC Batch : 25081527.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TOC	TOC	< MDL	mg/L	1.00	1	0.61		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TOC	10	9.78	97.8						89.4-113	

QC Type: MS and MSD
QC Sample ID: 25082035.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TOC	5.32	5	10.0	94.5	5	10.1	95.7	0.6	10	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25081527 **Date :** 8/26/2025

Analysis : True Color **Method : SM 2120B** **Reporting Units : PCU**

QC Batch ID : Qb25082284 **Created Date :** 08/18/25 **Created By :** KLyle

Samples in This QC Batch : 25081527.01

QC Type: Duplicate

QC Sample ID: 25081703.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Color	BRL	BRL	PCU	0	20		

Job ID:25081527

08/15/2025 North Alamo Water Supply ANA

istody is a Legal Document

0)	1. REPORT TO:	2. INVOICE TO:
	North Alamo Water Supply	
	420 S. Doolittle Rd.	On file
	Edinburg, TX 78542	
	Roland Zamora	
	956-651-0400	
	Dist List	

3. PO # QT25062703

4. Turnaround Time- Business Days
- ☐ 1 Day *
- ☐ 2 Days *
- ☐ 3 Days *
- ☐ 5 Days *
- ☑ 7 Days-Standard
- ☐ Other

* Surcharge Applies

Day Zero is the day sample is received. Report due at 5pm on due day.

www.ablabs.com

A&B JOB ID

5. Project #

6. Project Name / Location: La Sara RO Discharge Permit Renewal

7. Reporting Requirement
☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☑ MDL Rpt

8. Sampler's Name & Co: INEOS/ Saul Leal North Alamo Water Supply

Sampler's Signature & Date: 8-14-25

9. Sample ID & Description	Lab Use Only	10. Sampling Date	10. Sampling Time	11. comp	11. grab	12. Matrix Water	12. Matrix Soil	13. Total No. of Containers	BOD, CBOD, TDS, TSS	HexCr_Low, Color, Surfactants_SUB, Alkalinity	Low Level Mercury	Metals 200.8, Metals 200.7, Metals_Blist 200.7, TriCr_Low	Sulfite (If not done in the field)	Ammonia, TOC, TON, COD, TKN, Phosphorus, NO3+NO2	**Anions 300.0	O&G_HEM	Cyanide_Amenable Ultra Low	Sulfide	*Field Tests - Ph, Temp, Chlorine, DO, Sulfite	Comments
								Number of Containers												
								14. Containers*	4 P C	3 VOA H	1 P N	1 P C	1 P S	1 P C	2 G S	1 P OH,X	1 P OH,ZnA			
								15. Preservatives**												
								16. pH-Lab Only												
								*Metals 200.8 - Al,Sb,As,Ba,Be,Cd,Co,Cr, Cu,Pb,Mn,Mo,Ni,Se,Ag,Tl, Tl,Zn; Metals 200.7 - B,Fe,Mg; Metals_Blist 200.7 - Tin		
La Sara RO Discharge	01AR	8-14-25	1520	X		X		15	X	X	X	X	X	X	X	X	X	X		
Field Blank	02AC	8-14-25	1500		X	X		3		X										
								pH 7.88												
								Temp 96.2°F												
								Chlorine 1.03 mg/l												
								DO 2.92 mg/L												
								Sulfite												

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1) Saul Leal	8-14-25	1640	1) FedEx		
2) FedEx	8/15/25	10:13	2)	8/15/25	10:13
3)			3)		

***Anions: Bromide, Chloride, Fluoride, Nitrate, Sulfate

* Containers: VOA- 40 ml vial; 4 oz/8 oz- glass wide mouth; A/G- Amber/Glass 1 Liter; P/O- Plastic/other

**Preservatives: C-Cool H- HCl N- HNO3 S-H2SO4 OH- NaOH T-Na2S2O3 X- Other: NaAsO2

Temperature: 5.4°C

Intact? ☑ Y ☐ N

Initials: IR10

BILL OF LADING/TRACKING #

METHOD OF SHIPMENT

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

SHORT HOLD TIMES: Color, HexCr - 24hr / BOD, CBOD, Nitrate, Surfactant - 48hr

ORIGIN ID:MFEA (956) 533-1193
ROLAND ZAMORA
NORTH ALAMO WATER SUPPLY
420 S. DOOLITTLE RD.

EDINBURG, TX 78539
UNITED STATES US

SHIP DATE: 05AUG25
ACTWGT: 30.00 LB
CAD: 251130814/INET4535

TO **REVATHI PONNAMBALAM**
A&B ENVIRONMENTAL SERVICES
10100 EAST FWY STE 100

HOUSTON TX 77029
(713) 453-6060 REF:
INV: RMA: ROLAND ZAMORA
PO: DEPT:

58GJ2/E4ED/59F2

RMA:

FedEx Express

TRK# 0221 **7918 8101 5160**

RETURNS MON-FRI
PRIORITY OVERNIGHT

77029

TX-US

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Sample Condition Checklist

A&B JobID : **25081527**	Date Received : **08/15/2025**	Time Received : **10:13AM**
Client Name : **North Alamo Water Supply**		
Temperature : **5.4**	Sample pH : **<2 Metals, NH3, TOC, TON, COD, TKN, P >9 Sulfide >**	
Thermometer ID : **IR9**	pH Paper ID : **128919**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**	X		
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**	X		

Comments : Include actions taken to resolve discrepancies/problem:

CN:NaOH+NaAsO2. Sulfide has no headspace. AM 08/15/25

Brought by : FedEx

Received by : KMatthieu

Check in by/date : Amber / 08/15/2025

ab-s005-1123

Candice Calhoun

From: Jose Rodriguez <xultex@yahoo.com>
Sent: Tuesday, September 23, 2025 1:02 PM
To: Candice Calhoun
Subject: Re: Corrected Items 3 & 4 of the Lasara RO NOD Dated 9/12/2025

Yes, the applicant's site and plant property boundaries are one and the same.

Jose A. Rodriguez, R.S.
Xultex, LLC
(956) 330-9125

On Tuesday, September 23, 2025 at 12:22:26 PM CDT, Candice Calhoun <candice.calhoun@tceq.texas.gov> wrote:

Jose,

Thank you, the updated page and NORI looks good.

As for the map, yes, the black outline is showing the WTP (site or plant boundaries), however, I am not seeing the applicant's property boundary shown and labeled. Could you just confirm if the site/plant boundaries and the applicant's property boundaries are one in the same?

Regards,

Candice Courville

License & Permit Specialist

ARP Team | Water Quality Division

Texas Commission on Environmental Quality

Candice Calhoun

From: Jose Rodriguez <xultex@yahoo.com>
Sent: Tuesday, September 23, 2025 8:50 AM
To: Candice Calhoun
Cc: Agomez; Roland Zamora
Subject: Corrected Items 3 & 4 of the Lasara RO NOD Dated 9/12/2025
Attachments: 10411_Lasara RO_2025_P7.pdf; Industrial Discharge Renewal English NORI_2025.docx; Industrial Discharge Renewal Spanish NORI_2025.docx

Good morning,

Attached are the corrected 10411 Page 7 updated with Mr. Zamora as the contact person in the notice and the correct name of the community center in Lasara where the copy of the application will be exhibited for public viewing. In addition, the portion of the English NORI and the Spanish NORI have been updated to reflect the changes. They are attached as Microsoft word documents. The property boundary of the plant is show on the USGS map. It is the black outline around the plant. The legend of the map describes it.

Thank you,

Jose A. Rodriguez, R.S.
Xultex, LLC
(956) 330-9125

Candice Calhoun

From: Jose Rodriguez <xultex@yahoo.com>
Sent: Monday, September 22, 2025 11:08 AM
To: Candice Calhoun
Cc: Agomez; Roland Zamora
Subject: Response Letter to Lasara RO NOD Letter Dated 9/12/2025
Attachments: TCEQ_NAWSC Lasara RO_WWrespLtr2025.pdf; 10411_Lasara RO_2025_P1.pdf; 10055 _Lasara RO_2025_Wksheet 1.pdf; 10411_Lasara RO_2025_P7.pdf; Industrial Discharge Renewal Spanish NORI_2025.docx

Good morning,

On behalf of Mr. Agustin Gomez, Wastewater Supervisor, NAWSC, I am submitting his letter addressing the items, along with attachments, you requested that needed to be addressed before the application can be declared administratively complete. Due to the size of the USGS map, I am providing a link to Box where you can download it.

https://app.box.com/s/ra9kfxxzxk833mh59d1uaw055agsahmb

Thank you,

Jose A. Rodriguez, R.S.
Xultex, LLC
(956) 330-9125

September 22, 2025

Ms. Candice Calhoun
Applications Review and Processing Team (MC 148)
Water Quality Division
Texas Commission on Environmental Quality

Re: Application to Renew Permit No. WQ0004480000 (EPA I.D. No. TX0125156)
Issued to North Alamo Water Supply Corporation
CN600633713, RN101459154

VIA EMAIL

Dear Ms. Calhoun:

This correspondence is in response to your letter dated September 12, 2025 in which you requested five items on the application that need to be addressed before the application can be declared to be administratively complete.

Item No. 1 states: *Technical Report: Worksheet 1.0 was missing from the application. Please provide Worksheet 1.0 of the Technical Report.*

Worksheet 1.0 was missing from the application because it doesn't apply. However, attached is the subject worksheet answering the question as "no" in Item 1 where it asks if this facility is subject to EPA's categorical effluent limitation guidelines. Also, I have attached the first page of the Technical Report indicating that Worksheet 1.0 is included.

Item No. 2 states: *Item 9.d of the administrative report: The public viewing location provided in this item is in a different county than the facility. The public viewing location must be in the same county as the facility. Please provide an updated item of the application to include a public viewing location located in Willacy County.*

The public place for the viewing of the copy of the wastewater permit renewal application has been changed to a community center in Lasara in Willacy County. This location is more accessible to the customers of the permitted plant's service area.

The included portion of the NORI has been updated with the new location and the updated Page 7 of Form 10411 of the application has been attached.

Item No. 3 states: *USGS Topographic Map: The USGS map provided is illegible. Please provide a legible version of the USGS map.*

Attached is a more legible version of the USGS Topographic Map.

Item No. 4 states: *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.*

APPLICATION. North Alamo Water Supply Corporation, 420 South Doolittle Road, Edinburg, Texas 78542, which owns a reverse osmosis water treatment plant, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0004480000 (EPA I.D. No. TX0125156) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 1,000,000 gallons per day. The facility is located at 6606 Highway 186, in the city of Raymondville, in Willacy County, Texas 78580. The discharge route is from the plant site via a 12-inch diameter pipe to the West Main Drain; thence to East Main Drain; thence to Laguna Madre. TCEQ received this application on September 9, 2025. The permit application will be available for viewing and copying at Irma R. Cantu Lasara Resource Community Center, 706 East 6th Street, Lasara, in Willacy County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pendingpermits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.899166,26.478611&level=18

Further information may also be obtained from North Alamo Water Supply Corporation at the address stated above or by calling Mr. Roland Zamora, RO Production Supervisor, at 956-383-1618.

The above portion of the NORI is correct and the new public viewing locations has been inserted. The only change we made is that we changed the contact person on the last paragraph.

Item No. 5 states: *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.*

Attached is the NORI translated into Spanish in a Microsoft word document.

If you need additional information, please do not hesitate to contact me.

Sincerely,

Agustin Gomez, Wastewater Manager
North Alamo WSC

Enclosures
Cc: Mr. Roland Zamora, RO Production Supervisor, North Alamo WSC

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

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

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.

Click to enter text.

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST

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

APPLICANT NAME: North Alamo Water Supply Corporation

PERMIT NUMBER (If new, leave blank): WQ00 04480000

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

	Y	N		Y	N
Administrative Report 1.0	☒	☐	Worksheet 8.0	☐	☒
Administrative Report 1.1	☐	☒	Worksheet 9.0	☐	☒
SPIF	☒	☐	Worksheet 10.0	☐	☒
Core Data Form	☒	☐	Worksheet 11.0	☐	☒
Summary of Application (PLS)	☒	☐	Worksheet 11.1	☐	☒
Public Involvement Plan Form	☐	☒	Worksheet 11.2	☐	☒
Technical Report 1.0	☒	☐	Worksheet 11.3	☐	☒
Worksheet 1.0	☒	☐	Original USGS Map	☒	☐
Worksheet 2.0	☒	☐	Affected Landowners Map	☐	☒
Worksheet 3.0	☐	☒	Landowner Disk or Labels	☐	☒
Worksheet 3.1	☐	☒	Flow Diagram	☒	☐
Worksheet 3.2	☐	☒	Site Drawing	☒	☐
Worksheet 3.3	☐	☒	Original Photographs	☐	☒
Worksheet 4.0	☒	☐	Design Calculations	☐	☒
Worksheet 4.1	☐	☒	Solids Management Plan	☐	☒
Worksheet 5.0	☐	☒	Water Balance	☐	☒
Worksheet 6.0	☒	☐			
Worksheet 7.0	☐	☒			

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region _____
Permit Number _____

Item 9. Notice Information (Instructions, Pages 28)

a. Individual Publishing the Notices

Prefix: Mr. Full Name (Last/First Name): Zamora/Rolando

Title: RO Production Supervisor Credential: Class A Water License

Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas,78542

Phone No: (956) 383-1618 Email: rzamora@nawsc.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: rzamora@nawsc.com

☐ Fax:

☐ Regular Mail (USPS)

Mailing Address:

City/State/Zip Code:

c. Contact in the Notice

Prefix: Mr. Full Name (Last/First Name): Zamora/Rolando

Title: RO Production Supervisor Credential: Class A Wastewater License

Organization Name: North Alamo Water Supply Corporation

Phone No: (956) 383-1618 Email: rzamora@nawsc.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: Lasara Resource Community Center Location within the building: Lobby

Physical Address of Building: 706 East 6th Street

City: Lasara County: Willacy

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

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https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.899166,26.478611&level=18

Further information may also be obtained from North Alamo Water Supply Corporation at the address stated above or by calling Mr. Roland Zamora, RO Production Supervisor, at 956-383-1618.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LASARA QUADRANGLE
TEXAS
7.5 MINUTE SERIES (TOPOGRAPHIC)

Legend

- Outfall No. 001
- 3 Miles Downstream
- 1 Mile Radius
- Lasara Reverse Osmosis Water Treatment Plant
- WTP Boundary

MONTE ALTO RESERVOIR
Unit No 1
Unit No 2
Harbin Reservoir
Lasara
Monte Alto

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS and U.S. Bureau of Reclamation

Culture and drainage in part compiled from aerial photographs taken 1953. Topography by planetable surveys 1957

Polyconic projection. 1927 North American datum
10,000-foot grid based on Texas coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 14, shown in blue

Revisions shown in purple compiled from aerial photographs taken 1970 This information not field checked

UTM GRID AND 1970 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION
Heavy-duty
Medium-duty
Light-duty
Unimproved dirt
State Route

QUADRANGLE LOCATION
TEXAS

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

2697–233

USGS
Historical File
Topographic Division

DEC 2 1 1977

LASARA, TEX. 2700
N2622.5—W9752.5/7.5

1957
PHOTOREVISED 1970
AMS 6436 IV NW-SERIES V882

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RAYMONDVILLE QUADRANGLE
TEXAS
7.5 MINUTE SERIES (TOPOGRAPHIC)

Legend
3 Miles Downstream

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Culture and drainage in part compiled from aerial photographs taken 1953. Topography by planetable surveys 1956; and from 1:24 000 scale mapping by the Texas Reclamation Department 1937, revised 1956

Polyconic projection. 1927 North American datum
10,000-foot grid based on Texas coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 14, shown in blue

Red tint indicates area in which only landmark buildings are shown

To place on the predicted North American Datum 1983 move the projection lines 32 meters south and 28 meters east as shown by dashed corner ticks

UTM GRID AND 1982 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Revisions shown in purple and woodland compiled from aerial photographs taken 1980 and other source data
This information not field checked. Map edited 1982

Purple tint indicates extension of urban areas

SCALE 1:24 000

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Heavy-duty — Light-duty —
Medium-duty — Unimproved dirt - - -
U.S. Route — State Route

QUADRANGLE LOCATION

RAYMONDVILLE, TEX.
N2622.5—W9745/7.5
1956
PHOTOREVISED 1982
DMA 6436 IV NE—SERIES V882

2697-234

USGS NMD HISTORICAL MAP ARCHIVES
RETURN TO: