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

K-3 Resources LP CN603843426 operates WQ0004518000 Class B Municipal Biosolids and Water Treatment Residuals on approximately 277.3 acres located.56 miles South of Intersection FM 362 and FM529 on the East side of FM362, in Brookshire, Texas Waller County, Texas 77423 102984986).

To clarify, the purpose of this is for K-3 Resources LP CN603843426 to renew Permit No. WQ0004518000 associated with RN102984986.

K-3 Resources LP CN603843426 land applies Class B Municipal Biosolids and Water Treatment Residuals for beneficial use at a maximum rate of 12 dry tons per acre per year on 277.3 acres of land. This land application unit will not discharge of pollutants into water in the state. The following pollutants are expected in biosolids land application: Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium and Zinc Examples of best management practices implemented by K-3 Resources LP include but are not limited to: monitoring of metal pollutants, pathogen reduction, vector attraction reduction, applicable land application unit buffer zones, soil monitoring and limiting application at the appropriate agronomic rate based on crop needs.

9458 FM 362 Brookshire TX 77423
Compliance@k3bmi.com
Office (281) 375-5778
Fax (281) 585-4262

K-3 Resources LP CN603843426 opera WQ0004518000 Clase B Biosólidos Municipales y Residuos de Tratamiento de Agua en aproximadamente 277.3 acres situados a 0.56 millas al sur de la intersección de FM 362 y FM 529, en el lado este de FM 362, en Brookshire, Texas, Condado de Waller, Texas 77423 102984986).

Para aclarar, el propósito de esto es que K-3 Resources LP CN603843426 renueve el Permiso No. WQ0004518000 asociado con RN102984986.

El terreno de K-3 Resources LP CN603843426 aplica Biosólidos Municipales y Residuos de Tratamiento de Agua Clase B para uso beneficioso a una tasa máxima de 12 toneladas secas por acre por año en 277.3 acres de terreno. Esta unidad de aplicación terrestre no descargará contaminantes en el agua del estado. Se esperan los siguientes contaminantes en la aplicación de biosólidos al suelo: Arsénico, Cadmio, Cromo, Cobre, Plomo, Mercurio, Molibdeno, Níquel, Selenio y Zinc, los ejemplos de las mejores prácticas de gestión implementadas por K-3 Resources LP incluyen, entre otros: monitoreo de contaminantes metálicos, reducción de patógenos, reducción de la atracción de vectores, zonas de amortiguamiento de la unidad de aplicación terrestre aplicable, monitoreo del suelo y aplicación limitada a la tasa agronómica adecuada basada en necesidades del cultivo.

9458 FM 362 Brookshire TX 77423
Compliance@k3bmi.com
Office (281) 375-5778
Fax (281) 585-4262

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

NOTICE OF RECEIPT OF APPLICATION AND INTENT TO OBTAIN A BENEFICIAL LAND USE PERMIT RENEWAL

PERMIT NO. WQ0004518000

APPLICATION. K-3 Resources, L.P., 9458 Farm-to-Market Road 362, Pattison, Texas 77423, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew beneficial land use Permit No. WQ0004518000 to authorize the land application of wastewater treatment plant Class B biosolids, water treatment plant residuals, and domestic septage for beneficial use on approximately 277.3 acres. The beneficial land use site is located at 9458 Farm-to-Market Road 362, near the city of Brookshire, in Waller County, Texas 77423. TCEQ received this application on July 30, 2025. The permit application will be available for viewing and copying at Waller County Courthouse, 425 Farm-to-Market Road 1488, Hempstead, in Waller 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/sludge-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=-95.953333,29.908333&level=18

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at https://www.tceq.texas.gov/permitting/wastewater/pending-permits/sludge-applications. El aviso de idioma alternativo en español está disponible en https://www.tceq.texas.gov/permitting/wastewater/pending-permits/sludge-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 K-3 Resources, L.P. at the address stated above or by calling Mr. Andy Drennan, COO/VP, at 281-375-5778.

Issuance Date: September 10, 2025

COMISIÓN DE CALIDAD AMBIENTAL DE TEXAS

AVISO DE RECIBIMIENTO DE LA SOLICITUD E
INTENCIÓN DE OBTENER UN PERMISO DE USO BENÉFICO DEL SUELO
RENOVACIÓN

PERMISO N.º WQ0004518000

SOLICITUD. K-3 Resources, L.P., 9458 Farm-to-Market Road 362, Pattison, Texas 77423, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) la renovación del permiso de uso beneficioso de la tierra No. WQ0004518000 para autorizar la aplicación en tierra de biosólidos de clase B de plantas de tratamiento de aguas residuales, residuos de plantas de tratamiento de agua y aguas residuales domésticas para uso beneficioso en aproximadamente 277,3 acres. El sitio de uso beneficioso de la tierra está ubicado en 9458 Farm-to-Market Road 362, cerca de la ciudad de Brookshire, en el Condado de Waller, Texas 77423. La TCEQ recibió esta solicitud el 30 de julio de 2025. La solicitud de permiso estará disponible para su visualización y copia en el tribunal del condado de Waller, 425 Farm-to-Market Road 1488, Hempstead, en el Condado de Waller, Texas, antes de la fecha en que se publique este aviso en el periódico. La solicitud, incluidos cualquier actualización, y los avisos asociados están disponibles electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/sludge-applications. Este enlace a un mapa electrónico del sitio o ubicación general de la instalación se proporciona como una cortesía pública y no forma parte de la solicitud o aviso. Para la ubicación exacta, refiérase a la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.953333,29.908333&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/sludge-applications.

AVISO ADICIONAL. El Director Ejecutivo de la TCEQ ha determinado que la solicitud está administrativamente completa y llevará a cabo una revisión técnica de la solicitud. Una vez completada la revisión técnica de la solicitud, el Director Ejecutivo puede preparar un bosquejo del permiso y emitirá una decisión preliminar sobre la solicitud. **El aviso de la solicitud y la decisión preliminar se publicarán y enviarán por correo a aquellos que están en la lista de correo de todo el condado y a aquellos que están en la lista de correo para esta solicitud. Ese aviso contendrá la fecha límite para enviar comentarios públicos.**

COMENTARIO PÚBLICO / REUNIÓN PÚBLICA. Puede enviar comentarios públicos o solicitar una reunión pública sobre esta solicitud. El propósito de una reunión pública es para brindar la oportunidad de enviar comentarios o hacer preguntas sobre la solicitud. La TCEQ convocará una reunión pública si el Director Ejecutivo determina que existe un grado significativo de interés público en la solicitud o si lo solicita un legislador local. Una reunión

pública no es una audiencia de caso impugnado.

OPORTUNIDAD PARA UNA AUDIENCIA DE CASO IMPUGNADO. Después de la fecha límite para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios oportunos y preparará una respuesta a todos los comentarios públicos relevantes y materiales, o significativos. **A menos que la solicitud se remita directamente para una audiencia de caso impugnado, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud se enviarán por correo a todos los que hayan presentado comentarios públicos y a las personas que estén en la lista de correo para esta solicitud. Si se reciben comentarios, el correo también proporcionará instrucciones para solicitar la reconsideración de la decisión del Director Ejecutivo y para solicitar una audiencia de caso impugnado. Una persona que pueda verse afectada por la solicitud puede solicitar una audiencia.** Una audiencia de caso impugnado es un procedimiento legal similar a un juicio civil en un tribunal de distrito estatal.

PARA SOLICITAR UNA AUDIENCIA DE CASO IMPUGNADO, DEBE INCLUIR LOS SIGUIENTES ELEMENTOS EN SU SOLICITUD: su nombre, dirección, número de teléfono; nombre del solicitante y número de permiso propuesto; la ubicación y distancia de su propiedad/actividades en relación con la instalación propuesta; una descripción específica de cómo se vería afectado negativamente por la instalación de una manera que no es común para el público en general; una lista de todas las cuestiones de hecho controvertidas que presente durante el periodo de comentarios y la declaración "[Yo/nosotros] solicito/amos una audiencia de caso impugnado". Si la solicitud de audiencia de caso impugnado se presenta en nombre de un grupo o asociación, la solicitud debe designar al representante del grupo para recibir correspondencia futura; identificar por nombre y dirección física a un miembro individual del grupo que se vería afectado negativamente por la instalación o actividad propuesta; proporcionar la información discutida anteriormente con respecto a la ubicación y distancia del miembro afectado de la instalación o actividad; explicar cómo y por qué el miembro se vería afectado; y explicar cómo los intereses que el grupo busca proteger están relacionados con el propósito del grupo.

Tras el cierre de todos los periodos de comentarios y solicitudes aplicables, el Director Ejecutivo remitirá la solicitud y cualquier solicitud de reconsideración o de una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración en una reunión programada de la Comisión.

La Comisión sólo podrá conceder una solicitud de audiencia de un asunto impugnado sobre cuestiones que el solicitante haya presentado en sus observaciones oportunas que no hayan sido retiradas posteriormente. **Si se concede una audiencia, el tema de una audiencia se limitará a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas con preocupaciones relevantes y materiales sobre la calidad del agua presentadas durante el periodo de comentarios. La TCEQ puede actuar sobre una solicitud para renovar un permiso sin brindar la oportunidad de una audiencia de caso impugnado si se cumplen ciertos criterios.**

LISTA DE CORREO. Si envían comentarios públicos, una solicitud de una audiencia de caso impugnado o una reconsideración de la decisión del Director Ejecutivo, se le agregará a la lista de correo de esta solicitud específica para recibir futuros avisos públicos enviados por

correo por la Oficina del Secretario Oficial. Además, puede solicitar ser colocado en: (1) la lista de correo permanente para un nombre de solicitante específico y número de permiso; y/o (2) la lista de correo para un condado específico. Si desea ser colocado en la lista de correo permanente y/o del condado, especifique claramente qué lista(s) y envíe su solicitud a la Oficina del Secretario Oficial de la TCEQ a la dirección a continuación.

INFORMACIÓN DISPONIBLE EN LÍNEA. Para obtener detalles sobre el estado de la solicitud, visite la Base de Datos Integrada de los Comisionados en www.tceq.texas.gov/goto/cid. Busque en la base de datos utilizando el número de permiso para esta aplicación**,** que se proporciona en la parte superior de este aviso.

CONTACTOS E INFORMACIÓN DE LA AGENCIA. Todos los comentarios y solicitudes públicas deben enviarse electrónicamente a http://www14.tceq.texas.gov/epic/eComment/, o por escrito a Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información de contacto que proporcione, incluido su nombre, número de teléfono, dirección de correo electrónico y dirección física, se convertirá en parte del registro público de la agencia. Para obtener más información sobre esta solicitud de permiso o el proceso de permisos, llame al Programa de Educación Pública de la TCEQ, sin cargo, al 1-800-687-4040 o visite su sitio web en www.tceq.texas.gov/goto/pep. Si desea información en español, puede llamar al 1-800-687-4040.

También se puede obtener más información de K-3 Resources, L.P. en la dirección indicada arriba o llamando al Sr. Andy Drennan, COO/VP, al 281-375-5778.

Fecha de emisión: 10 de septiembre de 2025

Leah Whallon

From: Kevin <erthraconsulting@gmail.com>
Sent: Friday, August 29, 2025 8:34 AM
To: Kevin Seawright
Cc: Leah Whallon; Compliance K3BMI
Subject: Re: Application to Renew Permit No. WQ0004518000; K-3 Resources, L.P.; El Celoso Ranch
Attachments: 4518 Celoso application - maps- landowner list- list.docx; 4518 Celoso application maps -landowner map.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Leah,
Here are the revised maps.

On Thu, Aug 28, 2025 at 9:10 AM Kevin Seawright <kevins@k3bmi.com> wrote:

I will edit the map and resend it today.

Get Outlook for iOS

From: Leah Whallon <Leah.Whallon@Tceq.Texas.Gov>
Sent: Thursday, August 28, 2025 9:07:26 AM
To: Kevin <erthraconsulting@gmail.com>
Cc: Kevin Seawright <kevins@k3bmi.com>; Compliance K3BMI <compliance@k3bmi.com>
Subject: RE: Application to Renew Permit No. WQ0004518000; K-3 Resources, L.P.; El Celoso Ranch

Hi Kevin,

The map still needs to identify all landowners within ¼ mile. The notice only needs to be mailed to the owners that live on the property. The map and list should include all ¼ mile properties and designate which live on the property.

Thank you,


Search Here:
Enter Address, Name, or ID
K-3 Resources, LP
El Celoso Ranch
WQ0004518000
Legend:
Field borders
Buffers
1-4 1/4 mi land owners
1/4 mi boundary
Scale:
29°55'26"N 95°59'01"W
0 0.15 0.3mi
Source: Waller CAD
Field 1
Field 2
Field 3
Field 4
Field 5
1
2
3
4
5
6
7
8
9
10
11

Landowner List

1. Victoria Layne Properties Enterprises 9541 FM 362 Brookshire, Tx 77423	2. Drennan Andrew R & Virginia B 9183 FM 362 Brookshire, TX 77423
3. Multiple owners** see below	4. Legacy Precast P.O. Box 400 Brookshire, Tx 77423
3. Multiple owners	
Rahlek LTD PO Box 2110 Galveston, TX 77553	Watt Virginia Meyers Seale 5755 Indian Cir Houston, TX 77057
Mahana Tersea Moore Trust 3903 Bellaire Blvd Houston, TX 77025	Moore Andrea Revocable Trust 1237 Legacy Dr. New Braunfels, TX 78130
Campbell John 2200 Market Suite 804 Galveston, TX 77550	Campbell Eugenia 4520 Caduceus Pl Galveston, TX 77551
Campbell Douglas 3627 Glen Haven Houston, TX 77025	Campbell Archibald R III PO BOX 986 Persall, TX 78061
5. Coastal Prairie Conservation 5615 Kirby Dr Suite 867 Houston, TX 77005	6. Pfeffer Mary Katherine 42 N Creekside Ct Houston, Tx 77055
7. Torres Silvano & Irma 22111 Maplewood Drive Katy, Tx 77449	8. Texas AJN Properties LLC 23107 Enchanted Landing Ln Katy, Tx 77494
9. Brookshire Estates LLC 27834 Patsy Pence St Katy, TX 77494	10. Keith & Michael Turner c/o Crow Jacqueline 2515 Honeysuckle Walk Spring, Tx 77388
11. Terry Pickering & Ginne Baker Miller 34719 FM 529 Brookshire, TX 77423	

Landowner's who live on their property

2. Drennan Andrew R & Virginia B
9183 FM 362
Brookshire, TX 77423

Leah Whallon

From: John Martinez
Sent: Monday, August 18, 2025 10:58 AM
To: Hannah Elliott; Leah Whallon
Cc: Cory Fox; Tracy Patrick; Danielle Vesmirovsky; Renee Tom
Subject: RE: Application to Renew Permit No. WQ0004518000; K-3 Resources, L.P.; El Celoso Ranch

Good morning,

I reviewed the attached insurance certificates, and the corrections have been made and they are now acceptable for the financial assurance for Permit No. WQ0004518000 for K-3 Resources, L.P.

Let me know if you have any questions.

Thanks,
John Martinez

John M. Martinez
Financial Analyst II
TCEQ
Financial Assurance Unit, MC-184
12100 Park 35 Circle, Bldg. A
Austin, TX 78753
Phone number 512-239-1738
John.martinez@tceq.texas.gov

From: Hannah Elliott <Hannah_Elliott@ajg.com>
Sent: Tuesday, August 12, 2025 4:35 PM
To: John Martinez <John.Martinez@tceq.texas.gov>; Leah Whallon <Leah.Whallon@Tceq.Texas.Gov>
Cc: Cory Fox <Cory_Fox@ajg.com>; Tracy Patrick <Tracy_Patrick@ajg.com>; Danielle Vesmirovsky <Danielle_Vesmirovsky@ajg.com>; Renee Tom <reneet@k3bmi.com>
Subject: RE: Application to Renew Permit No. WQ0004518000; K-3 Resources, L.P.; El Celoso Ranch
Importance: High

Good afternoon John and Leah,

We are the insurance brokers for K-3 Resources, L.P. I understand there has been some confusion regarding the insurance certificates for the sludge permit WQ0004518000.

Please find attached all 3 certificates.

Per your email to Leah, we've corrected the insurer name and address and have also provided the $3,000,000 limit required on page 5 of the attachment. We'd welcome the opportunity to discuss these certificates or any discrepancies. I trust these now meet the requirements; however, If there are any questions, is it possible for us to

schedule some time tomorrow morning to discuss? I know it is extremely urgent to the client this gets approved immediately.

Kind regards,

Hannah Elliott
Client Service Supervisor, Energy

Gallagher

Insurance | Risk Management | Consulting

(I may send emails outside of normal working hours; I do not expect others to do so.)
direct: 832.918.3845 | mobile: 832.329.9656
Hannah_Elliott@ajg.com
www.ajg.com

1900 West Loop South, Suite 1600, Houston, TX 77021

Urgent Certificates of Insurance can be sent to: Houston.certificaterequests@ajg.com
Claims can be reported to: ggb.NRCclaimscenter@ajg.com
Cyber and Management Liability Claims be reported to: GGBCyberMLPClaims@ajg.com
Pay Online at WWW.AJG.COM/EZPAY

Please Note: Coverage cannot be bound, altered or canceled via e-mail request, without verification from a licensed representative of Gallagher. Communications concerning this matter, including this email and any attachments, are provided for purposes of insurance/risk management consulting. Opinions and advice provided by Arthur J. Gallagher & Co. is not intended to be, and should not be construed to be, legal advice. Please direct any request for legal advice to your attorney.

Figure: 30 TAC §37.9145

CERTIFICATE OF INSURANCE FOR COMMERCIAL LIABILITY

Name and Address of Insurer (herein called the "Insurer"):

Lloyds of London
Portsoken House, 155-157 Minories
London EC2N 1BT, UK

Name and Physical and Mailing Addresses of Insured (herein called the "Insured"):

K-3 Resources, LP

9458 FM 362, Brookshire, TX 77423

Additional Insured: Texas Commission on Environmental Quality
Physical Address: 12100 Park 35 Circle, MC 184, Austin, TX 78753
Mailing Address: MC 184, P. O. Box 13087, Austin, TX 78711-3087

Facilities covered: #WQ0004518000, El Celoso : South of Intersection SH 529 & 362 in Waller County, TX 77423
Mailing Address: 9458 FM 362 Brookshire, TX 77423

Per Occurrence Limit: $3,000,000

Annual Aggregate Limit: $3,000,000

Policy Number: B1881S240420

Effective Date: 2/26/25

The Insurer hereby certifies that it has issued to the Insured a commercial liability policy of insurance identified above to provide coverage for bodily injury and property damage to compensate persons injured or property damaged as a result of Class B sewage sludge land application at the facilities identified above.

The Insurer further warrants that such policy conforms in all respects with the requirements of 30 Texas Administrative Code (TAC) §37.9100 (relating to Commercial Liability Insurance), as applicable and as such regulations were constituted on the date shown immediately below. It is agreed that any provision of the policy inconsistent with such regulations is hereby amended to eliminate such inconsistency.

Whenever requested by the executive director of the Texas Commission on Environmental Quality, the Insurer agrees to furnish to the executive director a duplicate original of the policy listed above, including all endorsements thereon.

I hereby certify that the wording of this certificate is identical to the wording specified in 30 TAC §37.9145 (relating to Certificate of Insurance for Commercial Liability) as such regulations were constituted on the date shown immediately below. The undersigned Insurer certifies that it is authorized to transact or be a surplus lines insurer eligible to engage in the business of insurance in Texas and it has a minimum financial strength rating of A- as assigned by the A.M. Best Company.

Authorized signature of Insurer: 

Name of person signing: Nick Waddell

Title of person signing: Head of US Casualty

Signature of witness or notary: witnessed by: Conor O'Regan - Pantheon Specialty

Date: 14th May 2025

Figure: 30 TAC §37.9155

CERTIFICATE OF INSURANCE FOR ENVIRONMENTAL IMPAIRMENT

Name and Address of Insurer (herein called the "Insurer"):

Nautilus Insurance Company

7233 East Butherus Drive, Scottsdale, AZ 85260

Name and Physical and Mailing Addresses of Insured (herein called the "Insured"):

K-3 Resources, LP

9458 FM 362, Brookshire, TX 77423

Additional Insured: Texas Commission on Environmental Quality
Physical Address: South of Intersection SH 529 & SH 362 in Waller County, TX 77423
Mailing Address: 9458 FM 362 Brookshire, TX 77423

Facilities covered: #WQ0004518000, El Celoso : South of Intersection SH 529 & 362 in Waller County, TX 77423
Address: South of Intersection SH 529 & SH 362 in Waller County, TX 77423

Mailing Address: 9458 FM 362 Brookshire, TX 77423

Per Occurrence Limit: $1,000,000 Policy Limit: $2,000,000

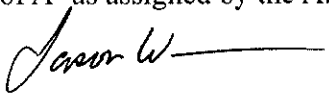
Policy Number: GLP2017318-19 Effective Date: 2/26/2025

The Insurer hereby certifies that it has issued to the Insured an environmental impairment policy of insurance identified above to provide financial assurance for corrective action related to the facilities identified above. The Insurer further warrants that such policy conforms in all respects with the requirements of 30 Texas Administrative Code (TAC) §37.9105 (relating to Environmental Impairment Insurance), as applicable and as such regulations were constituted on the date shown immediately below.

It is agreed that any provision of the policy inconsistent with such regulations is hereby amended to eliminate such inconsistency.

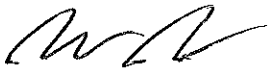
Whenever requested by the executive director of the Texas Commission on Environmental Quality, the Insurer agrees to furnish to the executive director a duplicate original of the policy listed above, including all endorsements thereon.

I hereby certify that the wording of this certificate is identical to the wording specified in 30 TAC §37.9155 (relating to Certificate of Insurance for Environmental Impairment) as such regulations were constituted on the date shown immediately below. The undersigned Insurer certifies that it is authorized to transact or be a surplus lines insurer eligible to engage in the business of insurance in Texas and it has a minimum financial strength rating of A- as assigned by the A.M. Best Company.

Authorized signature of Insurer: 

Name of person signing: Jason Wren

Title of person signing: Regional Vice President

Signature of witness or notary: 

Date: 5/7/25

Figure: 30 TAC §37.9155

CERTIFICATE OF INSURANCE FOR ENVIRONMENTAL IMPAIRMENT

Name and Address of Insurer (herein called the "Insurer"):

Nautilus Insurance Company

7233 East Butherus Drive, Scottsdale, AZ 85260

Name and Physical and Mailing Addresses of Insured (herein called the "Insured"):

K-3 Resources, LP

9458 FM 362, Brookshire, TX 77423

Additional Insured: Texas Commission on Environmental Quality
Physical Address: South of Intersection SH 529 & SH 362 in Waller County, TX 77423
Mailing Address: 9458 FM 362 Brookshire, TX 77423

Facilities covered: #WQ0004518000, El Celoso : South of Intersection SH 529 & 362 in Waller County, TX 77423
Address: South of Intersection SH 529 & SH 362 in Waller County, TX 77423

Mailing Address: 9458 FM 362 Brookshire, TX 77423

Per Occurrence Limit: $3,000,000 Policy Limit: $3,000,000

Policy Number: SSP2025469-17 Effective Date: 2/26/2025

The Insurer hereby certifies that it has issued to the Insured an environmental impairment policy of insurance identified above to provide financial assurance for corrective action related to the facilities identified above. The Insurer further warrants that such policy conforms in all respects with the requirements of 30 Texas Administrative Code (TAC) §37.9105 (relating to Environmental Impairment Insurance), as applicable and as such regulations were constituted on the date shown immediately below.

It is agreed that any provision of the policy inconsistent with such regulations is hereby amended to eliminate such inconsistency.

Whenever requested by the executive director of the Texas Commission on Environmental Quality, the Insurer agrees to furnish to the executive director a duplicate original of the policy listed above, including all endorsements thereon.

I hereby certify that the wording of this certificate is identical to the wording specified in 30 TAC §37.9155 (relating to Certificate of Insurance for Environmental Impairment) as such regulations were constituted on the date shown immediately below. The undersigned Insurer certifies that it is authorized to transact or be a surplus lines insurer eligible to engage in the business of insurance in Texas and it has a minimum financial strength rating of A- as assigned by the A.M. Best Company.

Authorized signature of Insurer:

Name of person signing: Jason Wren

Title of person signing: Regional Vice President

Signature of witness or notary:

Date: 5/7/25

Leah Whallon

From: Kevin <erthraconsulting@gmail.com>
Sent: Monday, August 11, 2025 9:17 AM
To: Compliance K3BMI; Leah Whallon; Kevin Seawright
Subject: Re: Fw: Application to Renew Permit No. WQ0004518000; K-3 Resources, L.P.; El Celoso Ranch
Attachments: 4518 Celoso application a page 10.pdf; 4518 labels.docx; 4518 Celoso application - maps- landowner list- list.docx

Follow Up Flag: Follow up
Flag Status: Flagged

Leah,
Please see the attached Section F. (page 10) of the property land owner.
Also attached is the word document of Labels of only living 1/4 mile property landowners.
Lastly, Attached is the updated list separating the living on the property landowner list.
We will be working on the insurance and get that to you as soon as possible.

Thanks,
Kevin Seawright
Erthra Consulting, LLC
for
K3BMI

On Fri, Aug 8, 2025 at 5:03 PM Compliance K3BMI <compliance@k3bmi.com> wrote:

> Hi Kevin, please see the attached email regarding the permit renewal for 4518 deficiencies.
>
> Let me know if I can help.
>
> Blessings,
> Renee
>
> *Autocorrect and I have formed a creative writing partnership. Typos are a courtesy of our collaboration.*

From: Leah Whallon <Leah.Whallon@Tceq.Texas.Gov>
Sent: Friday, August 8, 2025 4:21:35 PM
To: Compliance K3BMI <compliance@k3bmi.com>
Subject: Application to Renew Permit No. WQ0004518000; K-3 Resources, L.P.; El Celoso Ranch

Good Afternoon,

Please see the attached Notice of Deficiency letter dated August 8, 2025 requesting additional information needed to declare the application administratively complete. Please send the complete response by August 22, 2025.

Please let me know if you have any questions.

Thank you,

Leah Whallon

Texas Commission on Environmental Quality

Water Quality Division

512-239-0084
leah.whallon@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

F. Landowner Information:

Attach an additional sheet if more than one landowner.

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

First and Last Name: Donna Ercums (Trustee)

Organization Name: Karlis Ercums III Life Insurance Trust

Mailing Address: 9458 FM 362 Rd

City, State, and Zip Code: Brookshire, TX 77423

Phone Number: 281-375-5778

G. County Judge

Provide the name of the county judge in each county where the site is located. Attach an additional sheet if more than one county.

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

First and Last Name: Carbett "Trey" Duhon III

Mailing Address: 425 FM 1488 Suite 106

City, State, and Zip Code: Hempstead, TX 77445

Phone Number: 979-826-7700

Name of County: Waller

Drennan Andrew R & Virginia B
9183 FM 362
Brookshire, TX 77423

Drennan Andrew R & Virginia B
9183 FM 362
Brookshire, TX 77423

Drennan Andrew R & Virginia B
9183 FM 362
Brookshire, TX 77423

Drennan Andrew R & Virginia B
9183 FM 362
Brookshire, TX 77423

COMISIÓN DE CALIDAD AMBIENTAL DE TEXAS

AVISO DE RECIBIMIENTO DE LA SOLICITUD E INTENCIÓN DE OBTENER UN PERMISO DE USO BENÉFICO DEL SUELO RENOVACIÓN

PERMISO N.º WQ0004518000

SOLICITUD. K-3 Resources, L.P., 9458 Farm-to-Market Road 362, Pattison, Texas 77423, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) la renovación del permiso de uso beneficioso de la tierra No. WQ0004518000 para autorizar la aplicación en tierra de biosólidos de clase B de plantas de tratamiento de aguas residuales, residuos de plantas de tratamiento de agua y aguas residuales domésticas para uso beneficioso en aproximadamente 277,3 acres. El sitio de uso beneficioso de la tierra está ubicado en 9458 Farm-to-Market Road 362, cerca de la ciudad de Brookshire, en el Condado de Waller, Texas 77423. La TCEQ recibió esta solicitud el 30 de julio de 2025. La solicitud de permiso estará disponible para su visualización y copia en el tribunal del condado de Waller, 425 Farm-to-Market Road 1488, Hempstead, en el Condado de Waller, Texas, antes de la fecha en que se publique este aviso en el periódico. La solicitud, incluidos cualquier actualización, y los avisos asociados están disponibles electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/sludge-applications.

Este enlace a un mapa electrónico del sitio o ubicación general de la instalación se proporciona como una cortesía pública y no forma parte de la solicitud o aviso. Para la ubicación exacta, refiérase a la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.953333,29.908333&level=18

AVISO ADICIONAL. El Director Ejecutivo de la TCEQ ha determinado que la solicitud está administrativamente completa y llevará a cabo una revisión técnica de la solicitud. Una vez completada la revisión técnica de la solicitud, el Director Ejecutivo puede preparar un bosquejo del permiso y emitirá una decisión preliminar sobre la solicitud. **El aviso de la solicitud y la decisión preliminar se publicarán y enviarán por correo a aquellos que están en la lista de correo de todo el condado y a aquellos que están en la lista de correo para esta solicitud. Ese aviso contendrá la fecha límite para enviar comentarios públicos.**

COMENTARIO PÚBLICO / REUNIÓN PÚBLICA. Puede enviar comentarios públicos o solicitar una reunión pública sobre esta solicitud. El propósito de una reunión pública es para brindar la oportunidad de enviar comentarios o hacer preguntas sobre la solicitud. La TCEQ convocará una reunión pública si el Director Ejecutivo determina que existe un grado significativo de interés público en la solicitud o si lo solicita un legislador local. Una reunión pública no es una audiencia de caso impugnado.

OPORTUNIDAD PARA UNA AUDIENCIA DE CASO IMPUGNADO. Después de la fecha

límite para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios oportunos y preparará una respuesta a todos los comentarios públicos relevantes y materiales, o significativos. **A menos que la solicitud se remita directamente para una audiencia de caso impugnado, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud se enviarán por correo a todos los que hayan presentado comentarios públicos y a las personas que estén en la lista de correo para esta solicitud. Si se reciben comentarios, el correo también proporcionará instrucciones para solicitar la reconsideración de la decisión del Director Ejecutivo y para solicitar una audiencia de caso impugnado. Una persona que pueda verse afectada por la solicitud puede solicitar una audiencia.** Una audiencia de caso impugnado es un procedimiento legal similar a un juicio civil en un tribunal de distrito estatal.

PARA SOLICITAR UNA AUDIENCIA DE CASO IMPUGNADO, DEBE INCLUIR LOS SIGUIENTES ELEMENTOS EN SU SOLICITUD: su nombre, dirección, número de teléfono; nombre del solicitante y número de permiso propuesto; la ubicación y distancia de su propiedad/actividades en relación con la instalación propuesta; una descripción específica de cómo se vería afectado negativamente por la instalación de una manera que no es común para el público en general; una lista de todas las cuestiones de hecho controvertidas que presente durante el periodo de comentarios y la declaración "[Yo/nosotros] solicito/amos una audiencia de caso impugnado". Si la solicitud de audiencia de caso impugnado se presenta en nombre de un grupo o asociación, la solicitud debe designar al representante del grupo para recibir correspondencia futura; identificar por nombre y dirección física a un miembro individual del grupo que se vería afectado negativamente por la instalación o actividad propuesta; proporcionar la información discutida anteriormente con respecto a la ubicación y distancia del miembro afectado de la instalación o actividad; explicar cómo y por qué el miembro se vería afectado; y explicar cómo los intereses que el grupo busca proteger están relacionados con el propósito del grupo.

Tras el cierre de todos los periodos de comentarios y solicitudes aplicables, el Director Ejecutivo remitirá la solicitud y cualquier solicitud de reconsideración o de una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración en una reunión programada de la Comisión.

La Comisión sólo podrá conceder una solicitud de audiencia de un asunto impugnado sobre cuestiones que el solicitante haya presentado en sus observaciones oportunas que no hayan sido retiradas posteriormente. **Si se concede una audiencia, el tema de una audiencia se limitará a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas con preocupaciones relevantes y materiales sobre la calidad del agua presentadas durante el periodo de comentarios. La TCEQ puede actuar sobre una solicitud para renovar un permiso sin brindar la oportunidad de una audiencia de caso impugnado si se cumplen ciertos criterios.**

LISTA DE CORREO. Si envían comentarios públicos, una solicitud de una audiencia de caso impugnado o una reconsideración de la decisión del Director Ejecutivo, se le agregará a la lista de correo de esta solicitud específica para recibir futuros avisos públicos enviados por correo por la Oficina del Secretario Oficial. Además, puede solicitar ser colocado en: (1) la lista de correo permanente para un nombre de solicitante específico y número de permiso; y/o (2) la lista de correo para un condado específico. Si desea ser colocado en la lista de correo permanente y/o

del condado, especifique claramente qué lista(s) y envíe su solicitud a la Oficina del Secretario Oficial de la TCEQ a la dirección a continuación.

INFORMACIÓN DISPONIBLE EN LÍNEA. Para obtener detalles sobre el estado de la solicitud, visite la Base de Datos Integrada de los Comisionados en www.tceq.texas.gov/goto/cid. Busque en la base de datos utilizando el número de permiso para esta aplicación, que se proporciona en la parte superior de este aviso.

CONTACTOS E INFORMACIÓN DE LA AGENCIA. Todos los comentarios y solicitudes públicas deben enviarse electrónicamente a http://www14.tceq.texas.gov/epic/eComment/, o por escrito a Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información de contacto que proporcione, incluido su nombre, número de teléfono, dirección de correo electrónico y dirección física, se convertirá en parte del registro público de la agencia. Para obtener más información sobre esta solicitud de permiso o el proceso de permisos, llame al Programa de Educación Pública de la TCEQ, sin cargo, al 1-800-687-4040 o visite su sitio web en www.tceq.texas.gov/goto/pep. Si desea información en español, puede llamar al 1-800-687-4040.

También se puede obtener más información de K-3 Resources, L.P. en la dirección indicada arriba o llamando al Sr. Andy Drennan, COO/VP, al 281-375-5778.

Fecha de emisión:

TCEQ Office Use Only
Permit No:
CN:
RN:
Region:

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

APPLICATION FOR A PERMIT FOR BENEFICIAL LAND USE OF SEWAGE SLUDGE

If you have questions about completing this form please contact the Applications Review and Processing Team at 512-239-4671.

SECTION 1. TYPE OF APPLICATION

☐ New (original, site not permitted)

☐ New (previously permitted but allowed to expire or canceled)

☐ Major Amendment (including renewals with changes to substantive provisions of the permit)

☐ Minor Amendment (including non-substantive provisions of the registration, expiration date remains the same)

☒ Renewal

☐ Renewal with Minor Amendment

For amendments, describe the proposed changes:

none

For existing permits:

What is the permit number? WQ0004518000

SECTION 2. APPLICATION FEE

The application fee varies from $1,000 to $5,000 based on the quantity of sewage sludge to be applied annually. See instructions to determine the appropriate fee.

Provide your payment information below, for verification of payment

Check/Money Order Number:

Check/Money Order Amount: $2000

Name Printed on Check: K-3 Resources LP

SECTION 3. APPLICANT INFORMATION

A. The **site operator** must apply for the permit. What is the legal name of the site operator (applicant)? The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal document forming the entity.

K-3 Resources LP

B. If the applicant is an existing TCEQ customer, provide the Customer Number (CN) issued to this entity. CN 603843426

C. What is the contact information for this applicant?

Contact Name: Andy Drennan

Mailing Address: 9458 FM 362

City, State, and Zip Code: Brookshire, TX, 77423

Phone Number: 281-375-5778 Fax Number: 281-585-4262

E-mail Address: compliance@k3bmi.com

SECTION 4. CO-APPLICANT INFORMATION

Complete this section only if more than one person or entity is a site operator.

A. What is the legal name of the co-applicant? The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal document forming the entity.

N/A

B. If the co-applicant is an existing TCEQ customer, provide the Customer Number (CN) issued to this entity. CN N/A

C. What is the contact information for this applicant?

Contact Name: N/A

Mailing Address: N/A

City, State, and Zip Code: N/A

Phone Number: N/A Fax Number: N/A

E-mail Address: N/A

SECTION 5. APPLICATION CONTACT INFORMATION

These are the individuals that TCEQ will contact if additional information is needed about this application.

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

Application Contact First and Last Name: Andy Drennan

Title: COO/VP Credentials: N/A

Organization Name: K-3 Resources LP

Mailing Address: 9458 FM 362

City, State, and Zip Code: Brookshire, TX, 77423

Phone Number: 281-375-5778 Fax Number: 281-585-4262

E-mail Address: compliance@k3bmi.com

B. Prefix (Mr., Ms., Miss): N/A

Application Contact First and Last Name: N/A

Title: N/A Credentials: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, and Zip Code: N/A

Phone Number: N/A Fax Number: N/A

E-mail Address: N/A

SECTION 6. PERMIT CONTACT INFORMATION

These are the individuals that TCEQ can contact during the term of the permit.

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

Permit Contact First and Last Name: Andy Drennan

Title: Compliance Credentials: N/A

Organization Name: K-3 Resources LP

Mailing Address: 9458 FM 362

City, State, and Zip Code: Brookshire, TX, 77423

Phone Number: 281-375-5778 Fax Number: 281-585-4262

E-mail Address: compliance@k3bmi.com

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

Permit Contact First and Last Name: Andy Drennan

Title: VP, COO Credentials: N/A

Organization Name: K-3 Resources, LP

Mailing Address: 9458 FM 362

City, State, and Zip Code: Brookshire, TX 77423

Phone Number: 281-375-5778 Fax Number: 281-585-4262

E-mail Address: andy@k3bmi.com

SECTION 7. BILLING CONTACT INFORMATION

This is the person that TCEQ will contact if additional information is needed about the annual fee invoices.

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

Billing Contact First and Last Name: Andy Drennan

Title: VP, COO Credentials: N/A

Organization Name: K-3 Resources LP

Mailing Address: 9458 FM 362

City, State, and Zip Code: Brookshire, TX 77423

Phone Number: 281-375-5778 Fax Number: 281-585-4262

E-mail Address: compliance@k3bmi.com

SECTION 8. REPORTING CONTACT INFORMATION

This is the person that TCEQ will contact if additional information is needed about the annual sludge reports.

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

Reporting Contact First and Last Name: Andy Drennan

Title: Compliance Credentials: N/A

Organization Name: K-3 Resources LP

Mailing Address: 9458 FM 362

City, State, and Zip Code: Brookshire, TX 77423

Phone Number: 281-375-5778 Fax Number: 281-585-4262

E-mail Address: compliance@k3bmi.com

SECTION 9. NOTICE INFORMATION

A. Individual responsible for publishing the notices in the newspaper

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

First and Last Name: Andy Drennan

Title: COO/VP Credentials: N/A

Company Name: K-3 Resources, LP

Mailing Address: 9458 FM 362

City, State, and Zip Code: Brookshire, TX 77423

Phone Number: 281-375-5778 Fax Number: 281-585-4262

E-mail Address: compliance@k3bmi.com

B. Method for receiving the notice package for the Notice of Receipt and Intent

☒ E-mail: compliance@k3bmi.com

☐ Fax Number: Click here to enter text.

☐ Regular Mail:

Mailing Address: Click here to enter text.

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

C. Contact person to be listed in the notice

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

First and Last Name: Andy Drennan

Title: COO/VP Credentials: N/A

Company Name: K-3 Resources LP

Phone Number: 281-375-5778

D. Public viewing location

If the facility is located in more than one county, a public viewing location for each county must be provided.

Public Building Name: Waller County Courthouse

Physical Address of Building: 425 FM 1488, Suite 112

City: Hempstead County: Waller

Phone Number: 979-826-7711

E. Bilingual Notice Requirement

For new, major amendment, and renewal applications. This information can be obtained by contacting the bilingual/ESL coordinator at the nearest elementary or middle school.

1. Is a bilingual education program required by the Texas Education Code at the nearest elementary or middle school to the facility or proposed facility?
   Yes ☒ No ☐

   (**If No**, alternative language notice publication is not required; skip to Section 10. Regulated Entity (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 ☒

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

SECTION 10. REGULATED ENTITY (SITE) INFORMATION

A. Site Name: El Celoso Ranch

B. If this is an existing permitted site, provide the Regulated Entity Number (RN) issued to this site. RN 102984986

C. Site Address/Location:

Is the location of the application site used in the existing permit accurate?

☒ Yes ☐ No

If **YES**, skip to D. If **NO**, or if this application is for a new site, provide the physical address of the site such as: 12100 Park 35 Circle, Austin, TX 78753. If the site does not have a physical address, provide a location description such as: located on the north side of FM 123, 2 miles west of the intersection of FM 123 and Highway 1.

N/A

D. County where the site is located: Waller

E. Latitude: 29˚54’34.5672”N Longitude: 95˚57’16.0236"W

F. Landowner Information:

Attach an additional sheet if more than one landowner.

Prefix (Mr., Ms., Miss):

First and Last Name: See Attached

Organization Name:

Mailing Address:

City, State, and Zip Code:

Phone Number:

G. County Judge

Provide the name of the county judge in each county where the site is located. Attach an additional sheet if more than one county.

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

First and Last Name: Carbett "Trey" Duhon III

Mailing Address: 425 FM 1488 Suite 106

City, State, and Zip Code: Hempstead, TX 77445

Phone Number: 979-826-7700

Name of County: Waller

SECTION 11. LAND APPLICATION INFORMATION

A. Provide the anticipated date (MM/DD/YY) of the first application of sludge after issuance or re-issuance of the permit. NOTE: This date must be at least 330 days after the date TCEQ receives this application. 1/01/2025

B. The application area is:

☐ within the city limit of: Click here to enter text.

☐ within the extraterritorial jurisdiction of: Click here to enter text.

☒ outside the extraterritorial jurisdiction of: Brookshire

C. Types of Sludge

Identify the types of sludge that will be land applied at this site.

☒ Wastewater Treatment Plant Sludge

☒ Water Treatment Plant Sludge

☒ Domestic Septage

D. Sources of Sludge

Provide the sources of generation, any water quality or public water supply permit number issued by TCEQ, and the location of the sources. Complete Table 1 for each source identified below.

Facility Name	**Permit Number**	**Location**
Please See Attachment 1		

E. Property Acreage

Total acreage of the entire property, including the application area and buffer zones: 313.94

F. Application Area Acreage

Total acreage where the sludge may be applied, excluding the buffer zones: 277.3

A. Sources of Biosolids or Residuals

Provide the sources of generation, any water quality or public water supply permit number issued by TCEQ, and the location of the sources. Complete Table 1 for each source identified below.

Facility Name	Permit Number	Location
Bilma Pud WWTP	WQ0012025002	Harris County
Cinco Central WWTP	WQ0013558001	Fort Bend County
Cinco MUD Southwest 1	WQ0014343001	Fort Bend County
HC 70	WQ0011486001	Harris County
MC112	WQ0014671001	Montgomery County
Northpark PUD	WQ0011855001	Harris County
NWHC 21,22,23	WQ0012144001	Harris County
West Memorial	WQ0011152001	Harris County
West Park MUD	WQ0012346001	Harris County
Heather Glen	WQ0011231001	Harris County

SECTION 12. MISCELLANEOUS INFORMATION

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

Yes ☐ No ☒

If yes, provide the name(s) of the former TCEQ employee(s): N/A

B. Is the site located on Indian Lands?

Yes ☐ No ☒

C. Is any permanent school fund land affected by this application?

Yes ☐ No ☒

If yes, provide the location, forseeable impacts, and effects this application has on the land(s). N/A

D. Delinquent Fees and Penalties:

Do you owe fees to the TCEQ? Yes ☐ No ☒

Do you owe any penalties to the TCEQ? Yes ☐ No ☒

If you answered yes to either of the above questions, provide the amount owed, the type of fee or penalty, and an identifying number. N/A

SECTION 13. AFFECTED LANDOWNER INFORMATION

A. Landowner map. Attach a landowner map or drawing. See instructions for information that must be displayed on the map.

Attachment Number: 2

B. Landowner list. Attach a list of the landowners' names and mailing addresses. The list must be cross-referenced to the letter or number identified on the landowner map.

Attachment Number: 3

C. Landowner list media. Indicate the format of the landowners list.

☐ Read/Writeable CD

☒ 4 sets of mailing labels

D. Landowner data source. Provide the source of the landowners' names and mailing addresses. Waller CAD


Search Here:
Enter Address, Name, or ID
K-3 Resources, LP
El Celoso Ranch
WQ0004518000
Legend:
Field borders
Buffers
1-4
1/4 mi land owners
1/4 mi boundary
Scale:
29°55'26"N 95°59'01"W
0
0.15
0.3mi
Source: Waller CAD
Field 5
Field 1
Field 4
Field 2
Field 3
1
2
3
4

Landowner List

1. Victoria Layne Properties Enterprises 9541 FM 362 Brookshire, Tx 77423	2. Drennan Andrew R & Virginia B 9183 FM 362 Brookshire, TX 77423
3. Multiple owners** see below	4. Legacy Precast P.O. Box 400 Brookshire, Tx 77423
3. Multiple owners	
Rahlek LTD PO Box 2110 Galveston, TX 77553	Watt Virginia Meyers Seale 5755 Indian Cir Houston, TX 77057
Mahana Tersea Moore Trust 3903 Bellaire Blvd Houston, TX 77025	Moore Andrea Revocable Trust 1237 Legacy Dr. New Braunfels, TX 78130
Campbell John 2200 Market Suite 804 Galveston, TX 77550	Campbell Eugenia 4520 Caduceus Pl Galveston, TX 77551
Campbell Douglas 3627 Glen Haven Houston, TX 77025	Campbell Archibald R III PO BOX 986 Persall, TX 78061
11. Coastal Prairie Conservation 5615 Kirby Dr Suite 867 Houston, TX 77005	

SECTION 14. INSURANCE INFORMATION

This information is not required for an applicant that is a political subdivision (e.g. city, county, state agency, water district, etc.).

A. Commercial Liability Insurance

Attach a copy of the certificate of insurance in regard to commercial liability.

Attachment Number: 5

B. Environmental Impairment Insurance

Attach a copy of the certificate of insurance in regard to environmental impairment.

Attachment Number: 6

SECTION 15. MAPS AND ATTACHMENTS

A. TCEQ Core Data Form

Complete and submit a TCEQ Core Data Form (TCEQ-10400).

Attachment Number: 7

B. General Highway (County) Map

Submit an ORIGINAL General Highway (County) Map. See instructions for information that must be displayed on the map.

Attachment Number: 8

C. United States Geological Survey (USGS) Topographic Map

Submit an ORIGINAL United States Geological Survey (USGS) Topographic Map (1:24,000 scale). See instructions for information that must be displayed on the map.

Attachment Number: 9

D. USDA-NRCS Soil Map

Submit a legible copy of a USDA-NRCS Soil Map. See instructions for information that must be displayed on the map.

Attachment Number: 10

E. Federal Emergency Management Agency (FEMA) Map

Submit a copy of the FEMA map that shows the approximate application area boundaries, the surrounding area within one-quarter mile of the application area, and the appropriate legend.

Attachment Number: 11

Figure: 30 TAC §37.9145

CERTIFICATE OF INSURANCE FOR COMMERCIAL LIABILITY

Name and Address of Insurer (herein called the "Insurer"):

Name and Physical and Mailing Addresses of Insured (herein called the "Insured"):

K-3 Resources, LP

9458 FM 362, Brookshire, TX 77423

Additional Insured: Texas Commission on Environmental Quality
Physical Address: 12100 Park 35 Circle, MC 184, Austin, TX 78753
Mailing Address: MC 184, P. O. Box 13087, Austin, TX 78711-3087

Facilities covered: #WQ0004518000, El Celoso : South of Intersection SH 529 & 362 in Waller County, TX 77423
Mailing Address: 9458 FM 362 Brookshire, TX 77423

Per Occurrence Limit: $3,000,000

Annual Aggregate Limit: $3,000,000

Policy Number: B1881S240420

Effective Date: 2/26/25

The Insurer hereby certifies that it has issued to the Insured a commercial liability policy of insurance identified above to provide coverage for bodily injury and property damage to compensate persons injured or property damaged as a result of Class B sewage sludge land application at the facilities identified above.

The Insurer further warrants that such policy conforms in all respects with the requirements of 30 Texas Administrative Code (TAC) §37.9100 (relating to Commercial Liability Insurance), as applicable and as such regulations were constituted on the date shown immediately below. It is agreed that any provision of the policy inconsistent with such regulations is hereby amended to eliminate such inconsistency.

Whenever requested by the executive director of the Texas Commission on Environmental Quality, the Insurer agrees to furnish to the executive director a duplicate original of the policy listed above, including all endorsements thereon.

I hereby certify that the wording of this certificate is identical to the wording specified in 30 TAC §37.9145 (relating to Certificate of Insurance for Commercial Liability) as such regulations were constituted on the date shown immediately below. The undersigned Insurer certifies that it is authorized to transact or be a surplus lines insurer eligible to engage in the business of insurance in Texas and it has a minimum financial strength rating of A- as assigned by the A.M. Best Company.

Authorized signature of Insurer: 

Name of person signing: Nick Waddell

Title of person signing: Head of US Casualty

Signature of witness or notary: witnessed by: Conor O'Regan - Pantheon Specialty

Date: 14th May 2025

Figure: 30 TAC §37.9155

CERTIFICATE OF INSURANCE FOR ENVIRONMENTAL IMPAIRMENT

Name and Address of Insurer (herein called the "Insurer"):

Nautilus Insurance Company

7233 East Butherus Drive, Scottsdale, AZ 85260

Name and Physical and Mailing Addresses of Insured (herein called the "Insured"):

K-3 Resources, LP

9458 FM 362, Brookshire, TX 77423

Additional Insured: Texas Commission on Environmental Quality
Physical Address: South of Intersection SH 529 & SH 362 in Waller County, TX 77423
Mailing Address: 9458 FM 362 Brookshire, TX 77423

Facilities covered: #WQ0004518000, El Celoso : South of Intersection SH 529 & 362 in Waller County, TX 77423
Address: South of Intersection SH 529 & SH 362 in Waller County, TX 77423

Mailing Address: 9458 FM 362 Brookshire, TX 77423

Per Occurrence Limit: $1,000,000 Policy Limit: $2,000,000

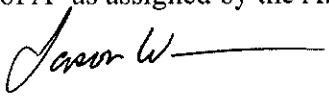
Policy Number: GLP2017318-19 Effective Date: 2/26/2025

The Insurer hereby certifies that it has issued to the Insured an environmental impairment policy of insurance identified above to provide financial assurance for corrective action related to the facilities identified above. The Insurer further warrants that such policy conforms in all respects with the requirements of 30 Texas Administrative Code (TAC) §37.9105 (relating to Environmental Impairment Insurance), as applicable and as such regulations were constituted on the date shown immediately below.

It is agreed that any provision of the policy inconsistent with such regulations is hereby amended to eliminate such inconsistency.

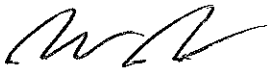
Whenever requested by the executive director of the Texas Commission on Environmental Quality, the Insurer agrees to furnish to the executive director a duplicate original of the policy listed above, including all endorsements thereon.

I hereby certify that the wording of this certificate is identical to the wording specified in 30 TAC §37.9155 (relating to Certificate of Insurance for Environmental Impairment) as such regulations were constituted on the date shown immediately below. The undersigned Insurer certifies that it is authorized to transact or be a surplus lines insurer eligible to engage in the business of insurance in Texas and it has a minimum financial strength rating of A- as assigned by the A.M. Best Company.

Authorized signature of Insurer: 

Name of person signing: Jason Wren

Title of person signing: Regional Vice President

Signature of witness or notary: 

Date: 5/7/25

TCEQ Use Only

TCEQ Core Data Form

For detailed instructions regarding completion of 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 603843426		RN 102984986

SECTION II: Customer Information

4. General Customer Information	5. Effective Date for Customer Information Updates (mm/dd/yyyy)	7/14/2025

☐ 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:*
K-3 Resources, LP	

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
0800593713	17603210539	76-0321053	N/A

11. Type of Customer: ☒ Corporation ☐ Individual Partnership: ☐ General ☐ Limited

Government: ☐ City ☐ County ☐ Federal ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

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

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

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

☐ Owner ☐ Operator ☐ Owner & Operator
☐ Occupational Licensee ☒ Responsible Party ☐ Voluntary Cleanup Applicant ☐ Other:

15. Mailing Address:

9458 FM 362							
City	Brookshire	**State**	TX	**ZIP**	77423	**ZIP + 4**	

16. Country Mailing Information *(if outside USA)*	17. E-Mail Address *(if applicable)*
	Compliance@k3bmi.com

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(281) 375-5778		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (*If 'New Regulated Entity" is selected below this form should be accompanied by a permit application*)

☐ 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 Agency 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.*)

El Celoso Ranch

23. Street Address of the Regulated Entity: *(No PO Boxes)*	9458 FM 362							
	City	Brookshire	**State**	TX	**ZIP**	77423	**ZIP + 4**	
24. County	Waller							

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	.56 miles South of Intersection FM 362 and FM529 on the East side of FM362

26. Nearest City	**State**	**Nearest ZIP Code**
Brookshire	TX	77423

27. Latitude (N) In Decimal:	29.909602	**28. Longitude (W) In Decimal:**	-95.954451

Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	54	34.5672	95	57	16.0236

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)
2875	0139	32531	111940

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

Sludge land Application

34. Mailing Address:	**9458 FM 362**							
	City	**Brookshire**	**State**	**TX**	**ZIP**	**77423**	**ZIP + 4**	
35. E-Mail Address:	**compliance@k3bmi.com**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(281) 375-5778		**( ) -**

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	☐ Waste Water	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Andy Drennan	**41. Title:**	COO

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(281) 375-5778		( ) -	compliance@k3bmi.com

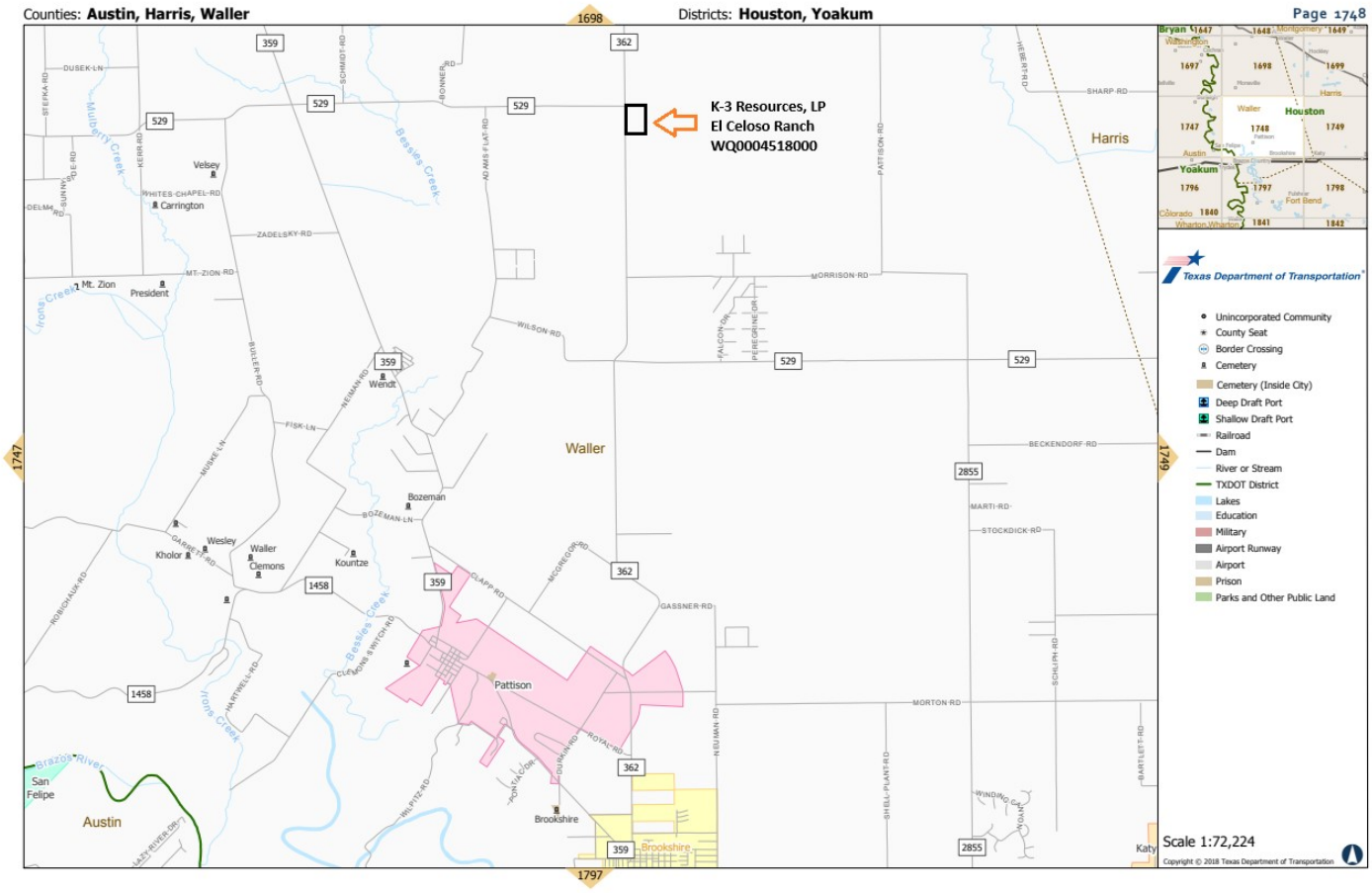
SECTION V: Authorized Signature

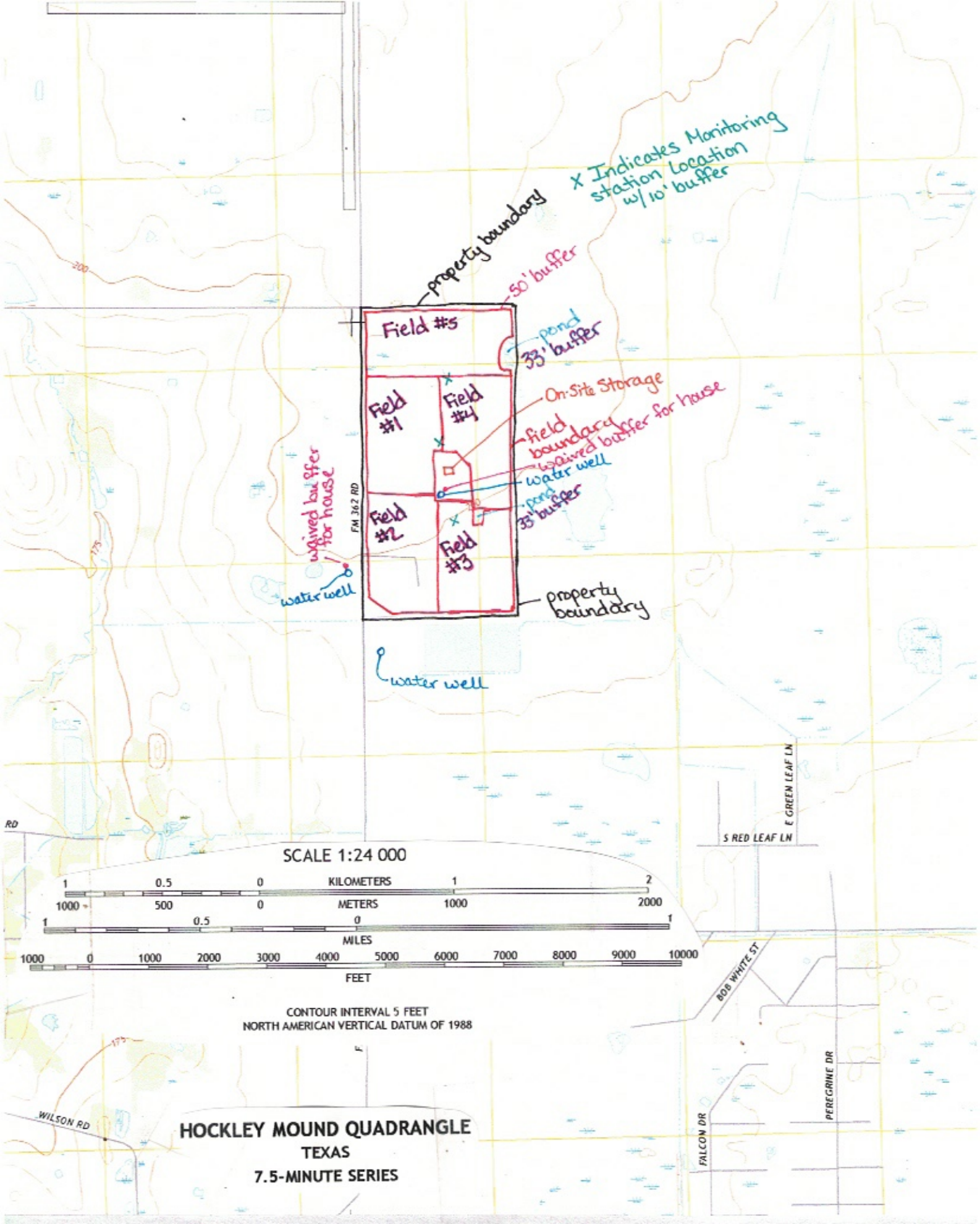
46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified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

Company:	K-3 Resources, LP	**Job Title:**	Owner
Name *(In Print):*	Andy Drennan	**Phone:**	(281) 375- **5778**
Signature:		**Date:**	7/14/2025

Counties: **Austin, Harris, Waller**

Districts: **Houston, Yoakum**




X Indicates Monitoring station location w/ 10' buffer
property boundary
50' buffer
Field #5
pond 33' buffer
Field #1
Field #4
On-Site Storage
field boundary
waived buffer for house
water well
pond 33' buffer
Field #2
Field #3
waived buffer for house
water well
property boundary
water well
FM 362 RD
E GREEN LEAF LN
S RED LEAF LN
BOB WHITE ST
PEREGRINE DR
FALCON DR
WILSON RD
SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET
CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988
HOCKLEY MOUND QUADRANGLE
TEXAS
7.5-MINUTE SERIES

Soil Map—Austin and Waller Counties, Texas
(K-3 Resources, LP WQ0004518000 El Celoso)



Map Scale: 1:9,570 if printed on A portrait (8.5" x 11") sheet.

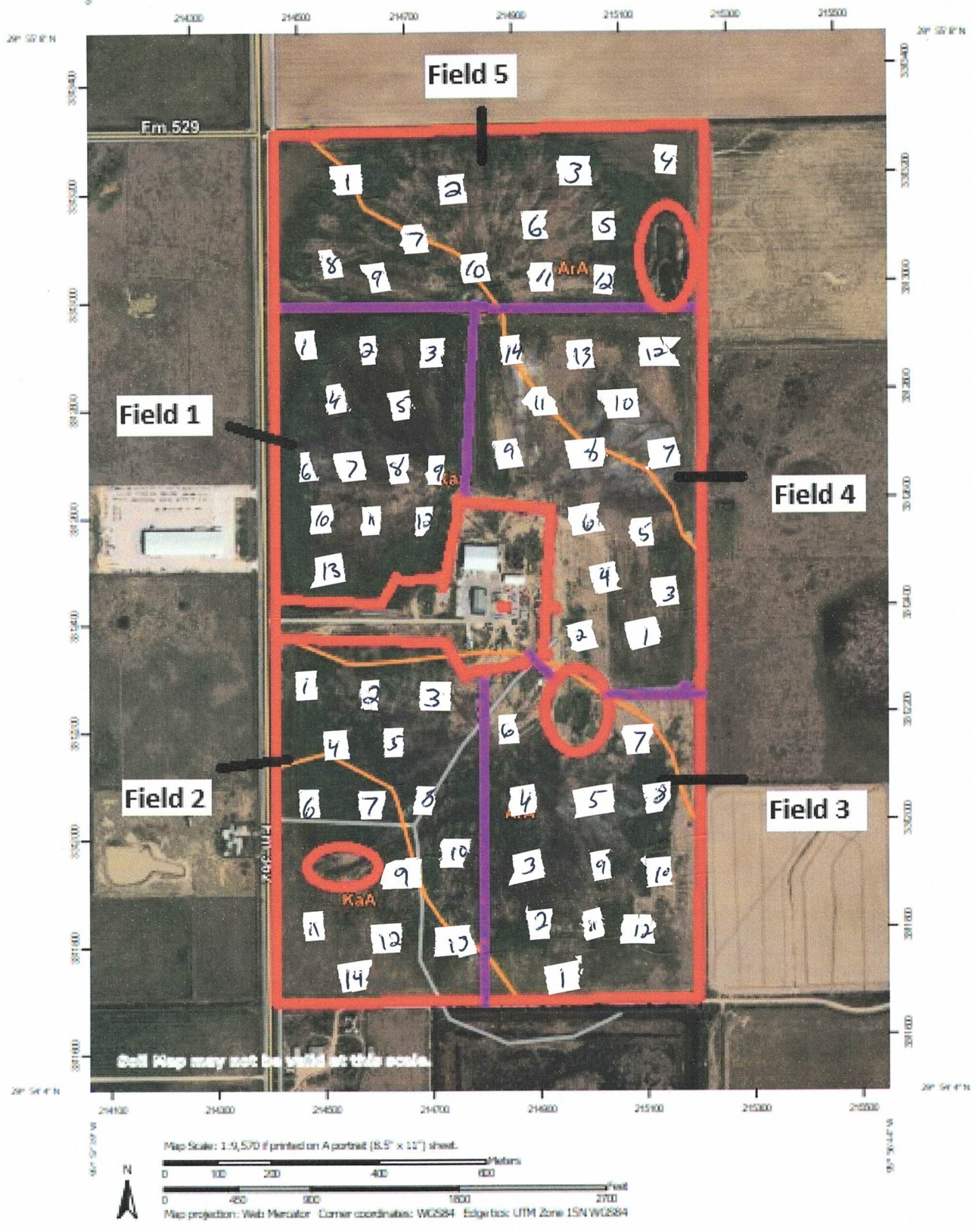
N

Meters
0 100 200 400 600

Feet
0 450 900 1800 2700

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84

Soil Map—Austin and Waller Counties, Texas
(K-3 Resources, LP WQ0004618000 El Celoso)



Map Scale: 1:9,570 if printed on A portrait (8.5" x 11") sheet.

Meters: 0 100 200 400 600

Feet: 0 450 900 1800 2700

N

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Austin and Waller Counties, Texas
Survey Area Data: Version 22, Aug 30, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 20, 2022—Mar 25, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ArA	Cyfair-Katy complex, 0 to 1 percent slopes	157.5	48.7%
KaA	Katy fine sandy loam, 0 to 1 percent slopes	165.9	51.3%
Totals for Area of Interest		**323.4**	**100.0%**

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only to the North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures in this jurisdiction.

The **projection** used in the preparation of this map was Texas State Plane South Central zone (FIPSZONE 4204). The horizontal datum was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or State Plane zone used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by Waller County and Houston-Galveston Area Council (H-GAC). This information was digitized at a scale of at least 1:24,000 from 1-foot aerial photography dated 2002 and 2004.

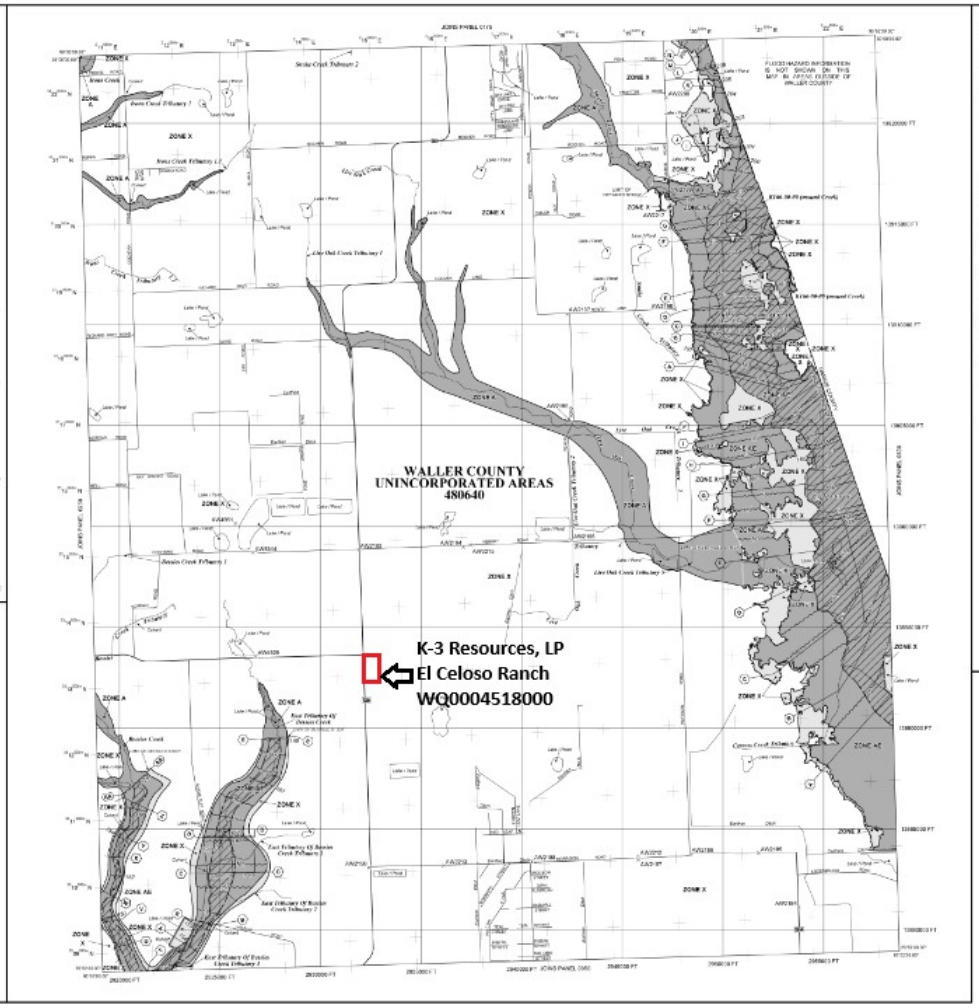
This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; a community map repository list; a listing of communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://www.msc.fema.gov.

If you have questions about this map or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA MAP (1-877-336-2627) or visit the FEMA website at http://www.fema.gov.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood.

ZONE A — No Base Flood Elevations determined.

ZONE AE — Base Flood Elevations determined.

ZONE AH — Flood depths of 1 to 3 feet (usually shallow flooding); Base Flood Elevations determined. For areas of alluvial fan flooding, velocities also determined.

ZONE AO — Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

ZONE A99 — Area to be protected from 1% annual chance flood by a federal flood protection system under construction; no Base Flood Elevations determined.

ZONE V — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The **floodway** is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from the 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- Floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- (EL 987) Base Flood Elevation line and value; elevation in feet*
- (EL 987) Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

- Cross section line
- Transect line

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)

- 3000-meter Universal Transverse Mercator grid values: 13
- 1000-foot ticks: Texas State Plane coordinate system, South Central zone (FIPSZONE 4204), Lambert Conformal Conic
- Bench mark (see explanation in notes to Users section of this FIRM panel)
- M1.5 River Mile

MAP REPOSITORIES

Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
February 18, 2009
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For communities' map revision history prior to countywide mapping, refer to the community map history table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 2000'
500 0 1000 2000 FEET
150 0 300 600 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0275E

FIRM
FLOOD INSURANCE RATE MAP

WALLER COUNTY, TEXAS AND INCORPORATED AREAS

PANEL 275 OF 425

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINING:

COMMUNITY	NUMBER	PANEL	SUFFIX
WALLER COUNTY	480640	0275	E

Notice to User: The Map Number shown below should be used when placing orders; the Community Number shown should be used on insurance applications for the subject community.

MAP NUMBER
48473C0275E
EFFECTIVE DATE
FEBRUARY 18, 2009

Federal Emergency Management Agency

F. Nutrient Management Plan

Attach a copy of the nutrient management plan that has been prepared by a certified nutrient management specialist, in accordance with the NRCS.

Attachment Number: 11

G. TCEQ Transporters Registration Approval Documents

Attach a copy of the TCEQ Transporters Registration approval documents.

Attachment Number: 12

H. Soil Analysis

Attach a copy of the soil laboratory analysis for the application area.

Attachment Number: 13

H. Sludge Analyses

Attach a sludge laboratory analysis for each source.

Attachment Number: 14

I. Metal and Nutrient Concentrations (Table 1)

Use the sludge laboratory analyses to complete Table 1 for each source.

J. Volume Weighted Averages of Metal and Nutrient Concentrations (Table 2)

If more than one source of sludge is land applied, complete Table 2.

K. Agronomic Rate Calculations (Appendix A)

Determine the agronomic application rate by completing and attaching Appendix A.

L. Pathogen Reduction Options (Appendix B)

Identify the pathogen reduction options by completing and attaching Appendix B.

M. Vector Attraction Reduction Options (Appendix C)

Identify the vector attraction reduction options by completing and attaching Appendix C.

N. On-Site Storage (Appendix D)

If on-site storage will occur at this site, complete and attach Appendix D.

Waste Utilization and Nutrient Management Plan

El Celoso
9458 FM 362 Rd
Brookshire, TX
281-375-5778

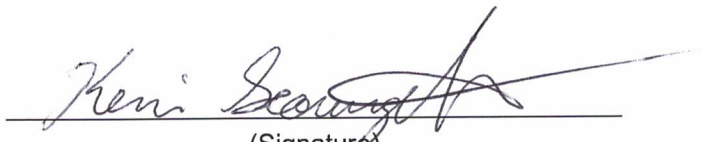
TCEQ Permit Number:
WQ0004518000

Owner
Ercums Trust
9458 FM 362 Rd
Brookshire, TX
281-375-5778

Operator
Andy Drennan
9458 FM 362 Rd
Brookshire, TX
281-375-5778

Type of Organic Nutrient Management Plan:
Biosolids
located in Waller County

Prepared By:



(Signature)
Kevin Seawright
Constultant
Certificate Number = 202311
Expiration Date = January 1, 2026
Erthra Consulting, LLC
3880 FM 3318 Rd
Pattison, TX 77423
832-504-2757

This plan is based on:
590 Organic Nutrient Management Plan V 5.0

7/13/25 4:59 AM

Waste Utilization and Nutrient Management Plan

EXECUTIVE SUMMARY: Permit #: WQ0004518000

This Nutrient Management Plan has fields that meet NUPs requirements.

Based on a the 2025 soil samples from permit WQ0004518000 the following are reccomended to be biosolids to be applied for the Coastal Bermuda grass hay harvesting averaging 18,000 lbs of dry matter total of hay production per acre:

Field 1- 1.1 Tons/acre
Field 2 - 1.1 Tons/Acre
Field 3 - 1.1 Tons/Acre
Field 4 - 1.1 Tons/Acre
Field 5 - 1.1 Tons/Acre

The above amounts are the total Tons/ Acre that can be applied for the 2025 growing season.

The Phosphorous in the soil is already high at F2- 142.05 mg/kg and moderatly high in F1 and F3 (about 100 mg/kg). The plant requirement for the growin season is 170 lbs of P2O5 required. The recommendations are to keep the P levels below 250 mg/kg in the soils. The excess is in the 0-6" soil layer. Removal of hay from the farm "system" needed in order to apply more biosolids. Also additional tillage is recommended.

LOCATION AND PURPOSE OF THE PLAN

Located in : Waller County

See plan map for location. The purpose of this plan is to outline the details of land application of biosolids on this land. This plan, when applied, will meet the requirements of the Natural Resources Conservation Service Nutrient Management Standard (590) and Waste Utilization Standard (633). When the appropriate land treatment practices needed to reduce runoff are fully implemented and maintained in each field the plan will provide the more comprehensive benefits of minimizing the affects of the land application of biosolids on the air, soil, water, and animal resources in and around the application area. Annual maximum application rates are determined using **Table 2 & 2a** depending on the current soil test P level and P index result for each field receiving biosolids.

Table 3 provides an estimate of the nutrients removed in the harvested portion of the crop at the planned yield goal for hay, grain, and fiber crops. The values used for grazed crops are the estimated amount of nutrients taken up in the above ground portion of the plants.

Refer to **Table 4** for field specific maximum biosolids application rates. Values in **Table 4** are based on the data in **Table 1**. Application will be based on biosolids analysis. Applying biosolids at **MAXIMUM** rates shown in **Table 4** will result in a more rapid build-up of phosphorus than if applied at lower rates. Phosphorus will build up more rapidly on pastureland than on hayland or cropland, since a much small amount of nutrients are actually removed from the farm by grazing animals. Biosolids may be applied to the same acreage every year, but if the soil test P level exceeds the critical level, or the Texas P Index result changes the rates of application will have to be reduced in accordance with Texas NRCS Nutrient Management Standard (590). This plan is valid only if the annual application of biosolids to the crops listed in **Table 4** does not exceed the per acre rates by more than 10%. If the yield of a crop does not meet the expected goal, the application rate should be adjusted accordingly the following year.

Recommended annual application amounts that are smaller than can physically be applied due to limitation of the application equipment should be doubled and applied to the field every other year. No other P fertilizer may be used the second year, but supplemental N and K2O should be applied, if needed. If the P index critical P level is exceeded, it is recommended that no additional biosolids be applied to those fields until the level is reduced. Biosolids applications should be made at appropriate times to meet crop needs, but may be applied at any time as long as soils are not saturated, snow covered, or frozen, and the annual maximum is not exceeded.

SUPPLEMENTAL NUTRIENTS TO MEET YIELD GOAL

Table 5 shows the estimated amount of nutrients that are applied in pounds per acre for each field where biosolids are applied using per acre amounts shown in **Table 4**. Supplemental nitrogen (N) and potassium (K2O) will be applied to achieve the yield goals noted in **Table 5**, when recommended based on soil analysis and the annual biosolids application does not meet the requirements as detailed in **Table 5.**

Deep soil sampling is recommended on application areas where loamy to clayey soils are present and biosolids have been applied previously. If this deep testing reveals accumulated nitrate N in the root zone, it should be deducted from any supplemental N to be applied to meet the planned yield goal. Sampling in 6 inch increments to a depth of 3 feet is sufficient for most crops.

ADJUSTMENTS TO APPLY LESS THAN THE MAXIMUM RATES

In situations where more land is available than is needed to utilize the maximum application rate on each field, the application rates in **Table 6** can be reduced down to the level that does not exceed the amount of solids available. **Table 7** indicates the amount of nutrients provided and, if needed, the supplemental nutrients which must be applied when the application is based on these reduced rates. The amount of supplemental nutrients in **Table 7** are based on the actual amount of waste available rather than the maximum rate that **"could"** be applied.

The second line from the bottom of **Table 6** on the right has a box that will be **"YES"** or **"NO"**. When the reduced rates uses all solids to be produced in a year, this box will be **"Yes"**. If the percentages are too low, it will be **"No"**. If **"No"**, either more acreage is needed on which to apply the solids or the solids will need to be transported off-site.

Acres of biosolids exclusion zones are noted in **Table 8**. Location of buffers and other exclusion zones are found on the application area map.

Filter Strips will meet the Texas USDA/NRCS standard (393). A minimum 100 foot wide grassed and/or wooded buffer providing at least 70% ground cover will be maintained between the application area and all water courses, ponds, lakes, wetlands, etc.

Riparian Forested Buffers (if used) will meet the Texas USDA/NRCS Standard (391). When planned, a minimum 50 foot wide wooded buffer will be maintained between the application area and the edge of streams, creeks, rivers, etc. to protect water quality, decrease water temperatures, improve aquatic organism habitat, reduce sediment and nutrient loading and reduce bank erosion. Select harvesting within this zone may be done in accordance with guidelines of the Texas Forest Service. If the wooded buffer is only 50 feet wide, there still must be a minimum 100 feet between biosolids application area and stream bank. Another vegetated buffer will be established or maintained to account for the remaining distance. Biosolids will not be applied within 100 feet of any waterway, stream, creek, pond, lake, or wetlands.

The minimum application distance from private or public wells will be 150 feet and 500 feet respectively. Private wells that are located within a field where biosolids are applied and are part of a center pivot irrigation system are exempt from the set-back requirement. The minimum suggested application distance from schools, institutions, and densely populated residential, business, or similar development is 1000 feet.

Biosolids will not be applied to any buffer areas or any frequently flooded areas, as designated by county soil survey.

PLANNED METHOD OF APPLICATION

Biosolids may be surface applied uniformly, injected, or incorporated below the surface of the soil within the root zone of the planned crop. To reduce soil compaction, applications should only be made when soil conditions are favorable. Biosolids should not be spread if heavy rains are forecast to occur within 1 day of a proposed application date.

ODOR MANAGEMENT

The following steps should be taken when spreading biosolids to reduce problems associated with odor.
1. Avoid spreading biosolids when wind will blow odors toward populated areas.
2. Avoid spreading biosolids immediately before weekends or holidays, if people are likely to be engaged in nearby outdoor activities.
3. Avoid spreading biosolids near heavily traveled highways.
4. Make biosolids applications in the morning when the air is warming, rather than in the late afternoon.

BIOSOLIDS TESTING

If your biosolids application area is permitted by the Texas Commission on Environmental Quality (TCEQ), follow the sampling and testing requirements of your permit. For applications not permitted by TCEQ, the biosolids need to be analyzed for percent moisture, total nitrogen, total phosphorus, and total potassium.

Biosolids may be temporarily stockpiled and covered with durable plastic or other suitable tarp material. Stockpiled biosolids must be sited on suitable soil, geology, and topography to prevent contamination of waterways. Runoff from stockpiled biosolids must be retained on-site by use of berms or other adequate structures where there is potential transport of biosolids into waterways.

COLLECTING SOIL SAMPLES FOR ANALYSIS

If your biosolids application area is permitted by the Texas Commission on Environmental Quality (TCEQ), follow the sampling requirements of your permit. If application area is not regulated by TCEQ:

Collect a composite sample for each field (or area of similar soils and management not more than about 40 acres) comprised of 10 - 15 randomly selected cores. Each core should represent 0 - 6 inches below the surface. Thoroughly mix each set of core samples, and select about a pint of the mixture as the sample for analysis. Label each sample for the field that it represents. Request that the samples be analyzed for nitrate nitrogen, available phosphorus, potassium, sodium, magnesium, calcium, sulfur, boron, conductivity, and pH. Also note on the samples that they are from a biosolids application area.

SOIL ANALYSIS

If your biosolids application area is permitted by the Texas Commission on Environmental Quality (TCEQ), follow the sampling requirements of your permit. If application area is not regulated by TCEQ:

A base line soil analysis will be completed for all areas to be used for biosolids application. The area will be tested every year that biosolids are applied to monitor P build up. If soil test values rise to a higher category, i.e., Low to Medium, contact the local Soil and Water Conservation District or USDA/NRCS office to revise the Waste Utilization Plan and to assist in development of a plan to reduce P in the field(s).

RECORD KEEPING

If your biosolids application area is permitted by the Texas Commission on Environmental Quality (TCEQ), follow the record keeping requirements of your permit. If application area is not regulated by TCEQ:

Detailed records should be maintained for all applications of biosolids for a period of at least 5 years. Records should include date, time, location, and amount of application; they could also include weather conditions, estimated wind speed and direction, etc. Keep all soil and biosolids analyses for the same period.

OPERATION AND MAINTENANCE

Application equipment should be maintained in good working order, and it should be calibrated at least once a year, so that the desired rate and amount of biosolids will be applied. Any changes in this system must be discussed with Texas Commission on Environmental Quality (TCEQ) prior to their initiation on permitted sites. If your site is not permitted by TCEQ, contact your local NRCS office for updates and assistance.

SIGNATURE PAGE

Plan Prepared by: **Kevin Seawright** Date: **7/13/2025**

Plan Approved by: Kevin Seawright Date: 7/13/25

Producer Signature: Date: 7/14/2025

The producer's signature indicates that this plan has been discussed with him/her.
If this plan is not signed by the producer, indicate how the plan was provided to the producer.

PI Index by Field

Printed on: 7/13/25 4:57 AM

This plan is based on: Nutrient Management Plan V 5.0

Permit #: WQ0004518000

Client Name: El Celoso

Planner: Kevin Seawright

Date: 7/13/2025

Location: Waller

Rainfall: >25.0 inches

LMU or Fields	Crop	Slope	Runoff Curve	Soil Test P Level	Inorganic P_2O_5 Appl Rate	Organic P_2O_5 Appl Rate	Inorganic Method & Timing	Organic Method & Timing	Proximity of Appl to Named Stream	Runoff Class	Soil Erosion	Total Index Points	P Runoff Potential	Soil Test Date:
1	Coastal 4 Cut Hay	0-1%	C-71	2	0	0.75	0	0.5	0	0	1.5	4.75	Very Low - Low	5/12/25
2	Coastal 4 Cut Hay	0-1%	C-71	4	0	0.75	0	0.5	0	0	1.5	6.75	Very Low - Low	5/12/25
3	Coastal 4 Cut Hay	0-1%	D-78	2	0	0.75	0	0.5	0	0	1.5	4.75	Very Low - Low	5/12/25
4	Coastal 4 Cut Hay	0-1%	C-71	1	0	0.75	0	0.5	0	0	1.5	3.75	Very Low - Low	5/12/25
5	Coastal 4 Cut Hay	0-1%	C-71	2	0	0.75	0	0.5	0	0	1.5	4.75	Very Low - Low	5/12/25

Waste Utilization and Nutrient Management Plan

Table 1 - Est. Amount of Waste Allowed for Land Application Permit #: WQ0004518000

Biosolids Type	Est. Max DRY tons applied annually
Lime Stablilized	**13887.2**

Contact your agronomic consultant, TCEQ or local USDA Natural Resources Conservation Service office, if the application quantities change by more than 10 percent so your plan can be revised.

Estimated Nutrient Availabilty Solids

		pounds / yr	pounds / ton	
**	**N**	**110,920**	**8.0**	**
	P2O5	**529,690**	**38.1**	
	K2O	**987,348**	**71.1**	

** Effluent Values Based on Analysis

** Solids Values Based on Analysis

Default values were used on all fields for plant removal of nutrients and yield levels.

Waste Utilization and Nutrient Management Plan

TABLE 2. A Nutrient Management Plan (NMP) is required where Soil Test P Level [1/] is:

- **less than 200 ppm statewide or**
- **or < 350 ppm in arid areas 2/ with a named stream > one mile.**

P – Index Rating	Maximum TMDL Annual P Application Rate [5/]	Maximum Annual P Application	Maximum Biennial Application Rate
Very Low, Low	Annual Nitrogen (N) Requirement	Annual Nitrogen (N) Requirement	2.0 Times Annual N Requirement
Medium	2.0 Times Annual Crop P Requirement [3/]	2.0 Times Annual Crop P Requirement [3/]	2.0 Times Annual N Requirement
High [5]	1.5 Times Annual Crop P Requirement [3/]	1.5 Times Annual Crop P Requirement [3/]	Double the Maximum Annual P Application Not to Exceed 2 times the Annual N Requirement
Very High [5]	1.0 Times Annual Crop P Requirement [3/]	1.0 Times Annual Crop P Requirement [3/]	Double the Maximum Annual P Application Not to Exceed 2 times the Annual N Requirement

TABLE 2a. A Nutrient Utilization Plan (NUP) is required by TCEQ where Soil Test P Level [1/] is:

- **equal to or greater than 200 ppm in non-arid areas [2/] or**
- **equal to or greater than 350 ppm in arid areas [2/] with a named stream greater than one mile or**
- **equal to or greater than 200 ppm in arid areas [2/] with a named stream less than one mile.**

P – Index Rating	Maximum TMDL Annual P Application Rate [5/]	Maximum Annual P Application	Maximum Biennial Application Rate
Very Low, Low	1.0 Times Annual Crop P Removal [4/]	Annual N Crop Removal	2.0 Times Annual N Removal
Medium	1.0 Times Annual Crop P Removal [4/]	1.5 Times Annual Crop P Removal [4/]	Double the Maximum Annual P Application Not to Exceed 2 times the Annual N Crop Removal
High [5]	1.0 Times Annual Crop P Removal [4/]	1.0 Times Annual Crop P Removal [4/]	Double the Maximum Annual P Application Not to Exceed 2 times the Annual N Crop Removal
Very High [5]	0.5 Times Annual Crop P Removal [4/]	0.5 Times Annual Crop P Removal [4/]	Double the Maximum Annual P Application Not to Exceed 2 times the Annual N Crop Removal

Footnotes Applicable to both Tables

1/ Soil test P will be Mehlich III by inductively coupled plasma (ICP).

2/ Non-arid areas, counties receiving => 25 inches annual rainfall, will use the 200 ppm P level while arid areas, counties receiving < 25 inches of annual rainfall, will use the 350 ppm P level. See map in TX Agronomy Technical Note 15, Phosphorus Assessment Tool for Texas, for county designations.

3/ Not to exceed the annual nitrogen requirement rate.

4/ Not to exceed the annual nitrogen removal rate.

5/ When soil test phosphorus levels are ≥ 500 ppm, with a P-Index rating of "High" or "Very High", there will be no additional application of phosphorus to a CMU or field.

Waste Utilization and Nutrient Management Plan

Table 3 - Crop Removal Rates (For Information Only) Permit #: WQ0004518000

LMU or Field No.	Acres	Crop and P Index Level	TCEQ Plan Type	Actual Crop Analysis or Default	Total Est. N Removal lbs/Ac/Yr	Total Est. P_2O_5 Removal lbs/Ac/Yr	Total Est. K_2O Removal lbs/Ac/Yr
1	50.4	Coastal 4 Cut Hay VL - L	NMP	Default	257	80	218
2	54.1	Coastal 4 Cut Hay VL - L	NMP	Default	257	80	218
3	61.9	Coastal 4 Cut Hay VL - L	NMP	Default	257	80	218
4	53.5	Coastal 4 Cut Hay VL - L	NMP	Default	257	80	218
5	57.4	Coastal 4 Cut Hay VL - L	NMP	Default	257	80	218

NOTE: When crops are used for grazing, only a portion of the nutrients used by the crop are removed from the field in the live weight gain of the livestock, the remainder is returned to the land in manure and urine. The book "Southern Forages" estimates the N, P, & K removed in 100 pounds live weight gain as follows: **2.5 lbs N, 0.68 lbs P, 0.15 lbs K**

Waste Utilization and Nutrient Management Plan

Table 4 - Maximum Solids Application per Field

Permit #: WQ0004518000

Est. Solids Produced Annually (wet tons)	LMU or Field No.	Acres	Crop Management and PI runoff potential	Current Soil Test P Level (ppm)	Max Annual P2O5 lbs/acre	Annual/Biennial	Maximum Solids Allowable Tons/Acre	Maximum Allowable Application Per field (Tons)
0	1	50.4	Coastal 4 Cut Hay VL - L	104	1910	A	50.1	2524
	2	54.1	Coastal 4 Cut Hay VL - L	142	1910	A	50.1	2709
	3	61.9	Coastal 4 Cut Hay VL - L	102	1910	A	50.1	3100
	4	53.5	Coastal 4 Cut Hay VL - L	46	1910	A	50.1	2679
	5	57.4	Coastal 4 Cut Hay VL - L	94	1910	A	50.1	2875
Total Solids Application Acres								
277.3								
Application Allowable on-site (tons)								
13887.2								
Adequate								
Solids to be used off-site (tons)								
0.0								

End of Table 4

Waste Utilization and Nutrient Management Plan

Table 5 - Nutrients Applied/Needs at Maximum Solids Rates Permit #: WQ0004518000

	Nutrients Applied When Application is at Maximum Rates			Supplemental Nutrients Needed When Application is at Maximum Rates			
LMU / Field #	N Lb/ac	P_2O_5 Lb/ac	K_2O Lb/ac	N Lb/ac	P_2O_5 Lb/ac	K_2O Lb/ac	Lime T/Ac
1	400	1910	3561	0	0	0	0
2	400	1910	3561	0	0	0	0
3	400	1910	3561	0	0	0	0
4	400	1910	3561	0	0	0	0
5	400	1910	3561	0	0	0	0

Waste Utilization and Nutrient Management Plan

Table 6 - Planned Solids Application Rates Permit #: WQ0004518000

LMU or Field No.	Double crop	Acres	Crop Management and PI runoff potential	Current Soil Test P ppm	Annual / Biennial	Max Rate tons/ac	% of Maximum to apply	Planned Solids tons/ac	Planned Solids per field (tons)
1		50.4	Coastal 4 Cut Hay VL - L	104	A	50.1	2	1.1	53.0
2		54.1	Coastal 4 Cut Hay VL - L	142	A	50.1	2	1.1	56.9
3		61.9	Coastal 4 Cut Hay VL - L	102	A	50.1	2	1.1	65.1
4		53.5	Coastal 4 Cut Hay VL - L	46	A	50.1	2	1.1	56.3
5		57.4	Coastal 4 Cut Hay VL - L	94	A	50.1	2	1.1	60.4
Acres		277.3							291.6
13887			Tons wet of solids to be used					Will the planned per acre application rates use all of the Solids?	NO
0								Tons to be used off-site at planned rates	292

Waste Utilization and Nutrient Management Plan

Table 7 - Nutrients Applied/Needed at Planned Solids Rates Permit #: WQ0004518000

Red cells? Proceed to adjustment page and fix.

	Nutrients Applied at Planned Rates			Supplemental Nutrients Needed at Planned Rates			
LMU / Field #	N Lb/ac	P_2O_5 Lb/ac	K_2O Lb/ac	N Lb/ac	P_2O_5 Lb/ac	K_2O Lb/ac	Lime T/Ac
1	8	40	75	365	0	0	0
2	8	40	75	365	0	0	0
3	8	40	75	365	0	0	0
4	8	40	75	365	0	0	0
5	8	40	75	365	0	0	0

Waste Utilization and Nutrient Management Plan

Table 8 - Non Application Areas by Field Permit #: WQ0004518000

FS = 393-Filter Strip; **FB** = 386-Field Border, **RFB** = 391-Riparian Forest Buffer; **OLEA** = Other Land Excluded Ar

LMU / Field #	FS Acres	FB Acres	RFB Acres	OLEA Acres	Total Excluded
1	0.0	0.0			
2	0.0	0.0			
3	0.0	0.0			
4	0.0	0.0			
5	0.0	0.0			

LMU / Field #	FS Acres	FB Acres	RFB Acres	OLEA Acres	Total Excluded

See Application Map for location of buffers

Total 590-633 application acres: 277.3

Totals	0.0	0.0	0.0	0.0	0.0

Total 590-633 Field Acres: ERROR

Waste Utilization and Nutrient Management Data Entries

General Data	
Date :	7/13/2025
Farmer Name :	El Celoso
County in which the Land is located :	Waller
Type of Waste Plan :	Biosolids
Is this plan in a TMDL watershed for nutrients?	
Yes or No :	No
Is any field PERMITTED by TCEQ?	
Yes or No :	Yes
Permit # :	WQ0004518000

All other entries on General Page appear on the Cover Page

Biosolids Information	
Plan Year :	2025
Biosolid Type :	Lime Stablilized
Analysis Date:	4/23/2025
Nitrogen % From Biosolids Analysis:	0.62
Phosphorus % From Biosolids Analysis:	1.04
Potassium % From Biosolids Analysis:	3.70
Moisture % From Biosolids Analysis:	20.00
Does this site generate biosolids?	No
If B11 = "Yes", How many dry tons/year?	0.00

This plan is based on: rganic Nutrient Management Plan V 5.0

Printed on: 7/13/25 4:58 AM

Field and Buffer Entries

Permit #: WQ0004518000

Printed on: 7/13/25 4:59 AM

Plan is based on: 590 Organic Nutrient Management Plan

FS = 393-Filter Strip, FB = 386-Field Border, RFB = 391-Riparian Forest Buffer, OLEA = Other Land Exclusion Areas or non-application areas (i.e. headquarters, freq. flooded areas, wooded areas, water bodies, etc)
NOTE: Field Border (FB) is expressed in ACRES on this spreadsheet, but as LINEAR FEET on the CPO.

Field No.	Total LMU or Field Acres	FS	FB	RFB	OLEA	Total Buffer Acres	Actual Application Acres	This Column Intentionally Left Blank
1	56.72				6.32	6.3	50.4	
2	60.42				6.32	6.3	54.1	
3	70.22				8.32	8.3	61.9	
4	60.82				7.32	7.3	53.5	
5	65.72				8.32	8.3	57.4	

Soil Test, Crop Information and Plant Analysis Data Entries

Printed on: 7/13/25 4:59 AM Plan is based on: 590 Organic Nutrient Management Plan V 5.0 Permit #: WQ0004518000

Soil Test Analysis				This column only for Dry Poultry	LMU or Field #	Appl. Area Acres	Crop/Land-Use and P Index Runoff Potential VL - L; M; H; or VH		Plant Analysis (Y / N)	Plant Analysis & Yield (optional) Use Only When Crop Removal is Required			
N (ppm)	P (ppm)	K (ppm)	Lime (enter amt or leave blank)							% N	% P	% K	Yield Air Dry Production (lbs/ac/yr)
13.99	103.79	300			1	50.4	Coastal 4 Cut Hay VL - L		N				
12.5	142.05	300			2	54.1	Coastal 4 Cut Hay VL - L		N				
12.2	102	300			3	61.9	Coastal 4 Cut Hay VL - L		N				
12.46	45.57	300			4	53.5	Coastal 4 Cut Hay VL - L		N				
12.14	93.82	200			5	57.4	Coastal 4 Cut Hay VL - L		N				

Solids Application Rate Entries

Solids - Set the Planned Application Rates

Permit #: WQ

13887	Maximum dry tons that may be applied.		Will the planned rates use the Maximum a				
			Dry Tons to be used on-site at plann				
LMU or Field No.	Acres	Crop Management and PI runoff potential	Current Soil Test P ppm	Crop P_2O_5 Req.	Annual or Biennial Application Cycle	Maximum Solids Allowable Tons/Ac	Enter % of Maximum Planned to Apply
1	50.4	Coastal 4 Cut Hay VL - L	104	170	Annual	50.1	2.1
2	54.1	Coastal 4 Cut Hay VL - L	142	170	Annual	50.1	2.1
3	61.9	Coastal 4 Cut Hay VL - L	102	170	Annual	50.1	2.1
4	53.5	Coastal 4 Cut Hay VL - L	46	170	Annual	50.1	2.1
5	57.4	Coastal 4 Cut Hay VL - L	94	170	Annual	50.1	2.1

Jon Niermann, *Chairman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*

Texas Commission on Environmental Quality

Protecting Texas by Reducing and Preventing Pollution

July 10, 2024

ANDY DRENNAN
K-3 RESOURCES INC
9458 FM 362 RD
PATTISON, TX 77423-1706

Re: Sludge Transportation Registration
K3 RESOURCES EL CELOSO RANCH
Registration Number: 22430 **CN603111196** **RN111333043**

Dear Andy Drennan:

The Section Manager of the Registration and Reporting Section has issued the enclosed registration in accordance with Title 30 of the Texas Administrative Code (30 TAC) Chapter 312 Subsection (§) 312.147 (b). This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality.

Issuance of this authorization is not an acknowledgment that your operation is in full compliance with state and federal rules and regulations. Failure to comply with all rules and regulations may result in enforcement action and/or the revocation of your registration.

Your registration number is required to appear on all tanks and containers used for the collection and transportation of sewage sludge and similar waste. It should also be used on all correspondence regarding your sludge registration.

A copy of your sludge transporter registration, a copy of your application for registration and copies of a amendments to this registration must be available at all times and at all locations where business is bein transacted under this registration, including all motorized vehicles operated under this registration.

If you have any questions or comments, please contact the Sludge Transporter Registration Program at (512) 239-6413.

Sincerely,

Shannon W. Frazier, Manager
Registration & Reporting Section

Enclosures
CC: TCEQ Region 12, HOUSTON

Texas Commission on Environmental Quality

SLUDGE TRANSPORTER

Registration Number: 22430 **CN603111196** **RN111333043**

K Keel

For the Commission

Print Date: July 10, 2024

Company: K-3 RESOURCES INC

Regulated Entity: K3 RESOURCES EL CELOSO RANCH

Organization Type: PARTNERSHIP

County: WALLER

Transport Waste into Texas: NO

Registered Since: June 25, 2002

Expiration Date: August 31, 2026

Status: ACTIVE

TCEQ Region: 12

Transport Waste out of Texas: NO

Physical Address:

9458 FM 362 RD
PATTISON, TX 77423-1706

Mailing Address:

9458 FM 362 RD
PATTISON, TX 77423-1706

Contact Information

Contact: ANDY DRENNAN

Phone: 281-375-5778

Fax:

E-Mail: COMPLIANCE@K3BMI.COM

Sticker Numbers Issued and Listed below will expire on August 31, 2026:

08590	08591	08592	08593	08594	08595	08596	08597	08598
08599	08600	08601	08602	08603	08604	08605	08606	08607
08608	08609	08610	08611	08612	08613	08614	08615	08616
08617	08618	08619	08620	08621	08622	08623	08624	08625
08626	08627	08628	08629	08630	08631	08632	08633	08634
08635	08636	08637	08638	08639	08640	08641	08642	08643
08644	08645	08646	08647	08648	08649	08650	08651	08652
08653	08654	08655	08656	08657	08658	08659	08660	08661
08662	08663	08664	08665	08666	08667	08668		

This is your registration which reflects the information submitted on your application to the Register or Renew as a Transporter of Municipal Sludge(s) and Similar Wastes. Requirements for transportation are provided in accordance with 30 TAC Chapter 312. Issuance of this registration is not acknowledgement by the TCEQ that your operation is in full compliance with the rules and regulations of the TCEQ. Changes or additions referred to this notice require written notification to the TCEQ. Please keep a copy of this registration in every vehicle transporting sludge and all locations where business is being transacted under this registration.

Texas Commission on Environmental Quality

SLUDGE TRANSPORTER

Registration Number: 22430 **CN603111196** **RN111333043**

Print Date: July 10, 2024

For the Commission

Disposal Facility Information

Facility ID	Waste Type	Facility Name	Program
2234D	DS; GS; PP; WW	LIQUID ENVIRONMENTAL SOLUTIONS	SLUDGETR
2270	WT; WW	FORT BEND REGIONAL LANDFILL	MSWDISP
720056	WT; WW	K-3 RESOURCES	SLUDGETR
WQ0004445000	WT; WW	CARL MILLER FARMS	SLUDGE
WQ0004448000	WT; WW	CARL MILLER FARMS 4	SLUDGE
WQ0004450000	WT; WW	CARL MILLER FARMS	SLUDGETR
WQ0004454000	WT; WW	JEFFRIES RANCH	SLUDGE
WQ0004518000	DS; WT; WW	EL CELOSO RANCH	SLUDGE
WQ0004538000	DS; WT; WW	WALLER LIME STABILIZATION FACILITY	SLUDGE
WQ0005222000	WT; WW	ORTEGA RANCH	SLUDGETR
WQ0005248000	WT; WW	CARL MILLER FARMS SOUTH	SLUDGETR
WQ0010137033	DS; PP	STEVEN M CLOUSE WATER RECYCLING CENTER	WWPERMIT
WQ0010543011	DS; PP; WT; WW	WALNUT CREEK WWTP	WWPERMIT

Waste Types

DS - Septic Tank Waste
GS - Grease Trap Waste
GT - Grit Trap Waste
PP - Chemical Toilet Waste
WT - Water Treatment Residuals
WW- Sewage Sludge/Biosolids

Texas Commission on Environmental Quality

SLUDGE TRANSPORTER

Registration Number: 22430 **CN603111196** **RN111333043**

K Keel

For the Commission

Print Date: July 10, 2024

Vehicle Information

License Plate	Year	Vehicle Make	Sticker Issued	Vehicle Capacity
KBP0146	2012	KENWORTH-T800	07/20/2012	30 CY
R181153	2015	KENWORTH-T800 DC	06/30/2016	7000 GAL
R251143	2016	KENWORTH-T800 DC	06/30/2016	7000 GAL
R251144	2016	KENWORTH-T800 DC	06/30/2016	7000 GAL
R091412	2013	KENWORTH-T800 DC	08/10/2018	7000 GAL
R337867	2018	KENWORTH-T800 DC	08/10/2018	7000 GAL
LPP7627	2018	KENWORTH-T800	08/10/2018	30 CY
R374785	2019	KENWORTH-T800 DC	08/10/2018	7000 GAL
R439393	2019	567 DC PETERBILT	10/29/2019	7000 GAL
R439394	2019	567 DC PETERBILT	10/29/2019	7000 GAL
R732040	2019	567 DC PETERBILT	10/29/2019	7000 GAL
R439396	2019	567 DC PETERBILT	10/29/2019	7000 GAL
R439397	2019	567 DC PETERBILT	10/29/2019	7000 GAL
R439398	2019	567 DC PETERBILT	10/29/2019	7000 GAL
R411512	2019	389 PETERBILT	10/29/2019	7000 GAL
R091413	2013	KENWORTH-T800 DC	10/29/2019	7000 GAL
R091433	2015	KENWORTH-T800 DC	10/29/2019	7000 GAL
R379075	2019	KENWORTH-T880 DC	10/29/2019	7000 GAL
R438741	2019	567 PETERBILT	06/11/2020	7000 GAL
R453415	2020	KENWORTH T-880	06/11/2020	7000 GAL
R411923	2018	KENWORTH T800 DC	03/03/2021	7000 GAL
R419006	2019	389 PETERBILT	06/23/2021	7000 GAL
R091400	2013	KENWORTH-T800 DC	09/01/2021	7000 GAL
R091423	2014	KENWORTH T800 DC	09/01/2021	7000 GAL
R337866	2018	KENWORTH T800 DC	09/01/2021	7000 GAL
R361379	2018	KENWORTH T880 DC	09/01/2021	7000 GAL
R374784	2019	KENWORTH-T880 DC	09/01/2021	7000 GAL
R391671	2018	KENWORTH-T800 DC	09/01/2021	7000 GAL
R411922	2018	KENWORTH T800 DC	09/01/2021	7000 GAL
R411513	2019	389 PETERBILT	09/01/2021	7000 GAL
R419007	2019	389 PETERBILT	09/27/2021	7000 GAL
R136782	2015	KENWORTH T880	09/27/2021	7000 GAL
BK10489	2005	INTERNATIONAL	06/16/2022	2100 GAL
MVW2388	2019	PETERBILT 348	06/16/2022	2100 GAL
R091422	2014	KENWORTH T800 DC	06/16/2022	7000 GAL
R356898	2018	KENWORTH-T800	06/16/2022	7000 GAL
R562815	2022	KENWORTH DC T880	06/16/2022	7000 GAL
R562816	2022	KENWORTH DC T880	06/16/2022	7000 GAL
R562817	2022	KENWORTH DC T880	06/16/2022	7000 GAL

Texas Commission on Environmental Quality

SLUDGE TRANSPORTER

Registration Number: 22430 **CN603111196** **RN111333043**

For the Commission

Print Date: July 10, 2024

R562818	2022	KENWORTH DC T880	06/16/2022	7000 GAL
R574005	2022	KENWORTH T-880	06/16/2022	7000 GAL
R574006	2022	KENWORTH T-880	06/16/2022	7000 GAL
R582315	2022	KENWORTH W 900	06/16/2022	7000 GAL
R582316	2022	KENWORTH W 900	06/16/2022	7000 GAL
R594541	2022	KENWORTH W 900	06/16/2022	7000 GAL
R604431	2019	KENWORTH T-880	06/16/2022	2100 GAL
RCP1653	2020	KENWORTH T-880	06/16/2022	30 CY
RCP1654	2021	KENWORTH T880	06/16/2022	30 CY
RCP1655	2021	KENWORTH T880	06/16/2022	30 CY
PPP7885	2016	KENWORTH	02/24/2023	7000 GAL
R356897	2018	KENWORTH	02/24/2023	7000 GAL
R391670	2018	KENWORTH	02/24/2023	7000 GAL
2604U32	2023	PETERBUILT	07/13/2023	7000 GAL
R379077	2019	KENWORTH	07/13/2023	7000 GAL
R720433	2018	KENWORTH	07/13/2023	7000 GAL
R667548	2024	PETERBILT	06/25/2024	7000 GAL
R668009	2024	KENWORTH	06/25/2024	7000 GAL
R668010	2024	KENWORTH	06/25/2024	7000 GAL
R668011	2024	KENWORTH	06/25/2024	7000 GAL
R668012	2024	KENWORTH	06/25/2024	7000 GAL
R668013	2024	KENWORTH	06/25/2024	7000 GAL
R668014	2024	KENWORTH	06/25/2024	7000 GAL
R668015	2024	KENWORTH	06/25/2024	7000 GAL
R677516	2024	KENWORTH	06/25/2024	7000 GAL
R691380	2024	PETERBILT	06/25/2024	7000 GAL
R655972	2024	PETERBILT	06/25/2024	7000 GAL
R667466	2024	PETERBILT	06/25/2024	7000 GAL
R667882	2024	PETERBILT	06/25/2024	7000 GAL
R695733	2017	KENWORTH	06/25/2024	7000 GAL
R348392	2018	KENWORTH	06/25/2024	7000 GAL
R439399	2019	PETERBILT	06/25/2024	7000 GAL
R439401	2019	PETERBILT	06/25/2024	7000 GAL
R668016	2024	KENWORTH	06/25/2024	7000 GAL
R668017	2024	KENWORTH	06/25/2024	7000 GAL
R677513	2024	KENWORTH	06/25/2024	7000 GAL
R677514	2024	KENWORTH	06/25/2024	7000 GAL
R677515	2024	KENWORTH	06/25/2024	7000 GAL
R667465	2024	PETERBILT	06/25/2024	7000 GAL
R667881	2024	PETERBILT	06/25/2024	7000 GAL

Texas Commission on Environmental Quality

SLUDGE TRANSPORTER

Registration Number: 22430 **CN603111196** **RN111333043**

Print Date: July 10, 2024

For the Commission

*UOM - Units of Measure

Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

26 June 2025

K-3 BMI
Renee Tom
P.O. Box 2236
Alvin, TX 77511

K-3BMI

Enclosed are the results of analyses for samples received by the laboratory on 11-Apr-25 16:40. The analytical data provided relates only to the samples as received in this laboratory report.

ELI certifies that all results are NELAP compliant and performed in accordance with the referenced method except as noted in the Case Narrative or as noted with a qualifier. Any reproductions of this laboratory report should be in full and only with the written authorization from the client.

The total number of pages in this report is 61

Thank you for selecting ELI for your analytical needs. If you have any questions regarding this report, please contact us.

Sincerely,

Laura Bonjonia For Sherry Walker
Client Services Representative

Certificate ID: TX-C25-00114

Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: K-3 BMI
Project: K-3BMI
Work Order: 25D1895

Reported:
26-Jun-25 16:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5248 F1/0-6	25D1895-01	Solids	10-Apr-25 14:15	11-Apr-25 16:40
5248 F1/6-24	25D1895-02	Solids	10-Apr-25 14:15	11-Apr-25 16:40
5248 F2/0-6	25D1895-03	Solids	10-Apr-25 14:30	11-Apr-25 16:40
5248 F2/6-24	25D1895-04	Solids	10-Apr-25 14:30	11-Apr-25 16:40
5248 F3/0-6	25D1895-05	Solids	10-Apr-25 14:45	11-Apr-25 16:40
5248 F3/6-24	25D1895-06	Solids	10-Apr-25 14:45	11-Apr-25 16:40
5222 F1/0-6	25D1895-07	Solids	10-Apr-25 13:20	11-Apr-25 16:40
5222 F1/6-24	25D1895-08	Solids	10-Apr-25 13:20	11-Apr-25 16:40
4448 F1 C1/0-6	25D1895-09	Solids	10-Apr-25 10:00	11-Apr-25 16:40
4448 F1 C1/6-24	25D1895-10	Solids	10-Apr-25 10:00	11-Apr-25 16:40
4448 F1 C2/0-6	25D1895-11	Solids	10-Apr-25 10:15	11-Apr-25 16:40
4448 F1 C2/6-24	25D1895-12	Solids	10-Apr-25 10:15	11-Apr-25 16:40
4448 F2/0-6	25D1895-13	Solids	10-Apr-25 10:25	11-Apr-25 16:40
4448 F2/6-24	25D1895-14	Solids	10-Apr-25 10:25	11-Apr-25 16:40
4448 F3/0-6	25D1895-15	Solids	10-Apr-25 10:30	11-Apr-25 16:40
4448 F3/6-24	25D1895-16	Solids	10-Apr-25 10:30	11-Apr-25 16:40
4454 F1 C1/0-6	25D1895-17	Solids	10-Apr-25 09:15	11-Apr-25 16:40
4454 F1 C1/6-24	25D1895-18	Solids	10-Apr-25 09:15	11-Apr-25 16:40
4454 F1 C2/0-6	25D1895-19	Solids	10-Apr-25 09:20	11-Apr-25 16:40
4454 F1 C2/6-24	25D1895-20	Solids	10-Apr-25 09:20	11-Apr-25 16:40
4454 F2 C1/0-6	25D1895-21	Solids	10-Apr-25 09:30	11-Apr-25 16:40
4454 F2 C1/6-24	25D1895-22	Solids	10-Apr-25 09:30	11-Apr-25 16:40
4454 F2 C2/0-6	25D1895-23	Solids	10-Apr-25 09:35	11-Apr-25 16:40
4454 F2 C2/6-24	25D1895-24	Solids	10-Apr-25 09:35	11-Apr-25 16:40
4454 F2 C3/0-6	25D1895-25	Solids	10-Apr-25 09:40	11-Apr-25 16:40

Envirodyne Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Laura Bonjonia For Sherry Walker, Client Services Representative

Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client:	K-3 BMI
Project:	K-3BMI
Work Order:	25D1895

Reported:
26-Jun-25 16:44

4454 F2 C3/6-24	25D1895-26	Solids	10-Apr-25 09:40	11-Apr-25 16:40
4518 F1/0-6	25D1895-27	Solids	10-Apr-25 15:00	11-Apr-25 16:40
4518 F1/6-24	25D1895-28	Solids	10-Apr-25 15:00	11-Apr-25 16:40
4518 F2/0-6	25D1895-29	Solids	10-Apr-25 11:00	11-Apr-25 16:40
4518 F2/6-24	25D1895-30	Solids	10-Apr-25 11:00	11-Apr-25 16:40
4518 F3/0-6	25D1895-31	Solids	10-Apr-25 15:30	11-Apr-25 16:40
4518 F3/6-24	25D1895-32	Solids	10-Apr-25 15:30	11-Apr-25 16:40
4518 F4/0-6	25D1895-33	Solids	10-Apr-25 15:45	11-Apr-25 16:40
4518 F4/6-24	25D1895-34	Solids	10-Apr-25 15:45	11-Apr-25 16:40
4518 F5/0-6	25D1895-35	Solids	10-Apr-25 15:40	11-Apr-25 16:40
4518 F5/6-24	25D1895-36	Solids	10-Apr-25 15:40	11-Apr-25 16:40
4450 F1/0-6	25D1895-37	Solids	10-Apr-25 12:00	11-Apr-25 16:40
4450 F1/6-24	25D1895-38	Solids	10-Apr-25 12:00	11-Apr-25 16:40
4450 F2/0-6	25D1895-39	Solids	10-Apr-25 12:15	11-Apr-25 16:40
4450 F2/6-24	25D1895-40	Solids	10-Apr-25 12:15	11-Apr-25 16:40
4450 F3/0-6	25D1895-41	Solids	10-Apr-25 12:25	11-Apr-25 16:40
4450 F3/6-24	25D1895-49	Solids	10-Apr-25 12:25	11-Apr-25 16:40
4445 F1/0- 6	25D1895-50	Solids	10-Apr-25 11:15	11-Apr-25 16:40
4445 F1/6-24	25D1895-51	Solids	10-Apr-25 11:15	11-Apr-25 16:40
4445 F2/0-6	25D1895-52	Solids	10-Apr-25 11:30	11-Apr-25 16:40
4445 F2/6-24	25D1895-53	Solids	10-Apr-25 11:30	11-Apr-25 16:40
4445 F3/0-6	25D1895-54	Solids	10-Apr-25 11:35	11-Apr-25 16:40
4445 F3/6-24	25D1895-55	Solids	10-Apr-25 11:35	11-Apr-25 16:40

Envirodyne Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Laura Bonjonia For Sherry Walker, Client Services Representative

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-01 and -02
LOCATION:	Permit 5248	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**5248 F1**	**5248 F1**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	72.61	84.32	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	12.10	14.25	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<4.62	<0.48	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<4.62	<0.48	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	64.91	90.26	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	300	200	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.45	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	90.90	84.20	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-03 and -04
LOCATION:	Permit 5248	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**5248 F2**	**5248 F2**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	68.05	68.09	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	11.71	11.70	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.43	<0.43	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.43	<0.43	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	70.29	61.70	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	400.00	300.00	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.45	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	93.90	94.00	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-05 and -06
LOCATION:	Permit 5248	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**5248 F3**	**5248 F3**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	72.29	74.36	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	12.05	12.21	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.44	<0.44	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.44	<0.44	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	61.34	69.92	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	200.0	200.0	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.45	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	91.30	90.10	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-07 and -08
LOCATION:	Permit 5222	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**5222 F1**	**5222 F1**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	76.49	74.94	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	12.37	12.30	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.22	<0.45	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.22	<0.45	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	118.40	85.01	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	400	400	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.50	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	88.90	89.40	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-09 and -10
LOCATION:	Permit 4448	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**4448 F1 - C1**	**4448 F1 - C1**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	79.22	86.43	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	12.63	14.41	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.46	<0.48	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.46	<0.48	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	175.66	174.07	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	500	400	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.46	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	87.10	83.30	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-11 and -12
LOCATION:	Permit 4448	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**4448 F1 - C2**	**4448 F1 - C2**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	77.01	82.06	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	12.46	14.07	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.45	<0.23	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.45	<0.23	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	197.06	189.92	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	500	600	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.48	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	88.30	85.30	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-13 and -14
LOCATION:	Permit 4448	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**4448 F2**	**4448 F2**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	70.81	76.58	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	11.98	12.39	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.22	<0.45	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.22	<0.45	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	54.47	163.29	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	400	400	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.40	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	91.80	88.80	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-15 and -16
LOCATION:	Permit 4448	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**4448 F3**	**4448 F3**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	74.61	75.28	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	12.25	12.36	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.44	<0.45	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.44	<0.45	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	75.72	39.33	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	300	400	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.42	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	89.80	89.00	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-17 and -18
LOCATION:	Permit 4454	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**4454 F1-C1**	**4454 F1-C1**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	72.93	72.05	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	12.15	12.01	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.44	<0.44	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.44	<0.44	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	65.19	58.95	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	400	400	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.42	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	90.50	91.60	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-19 and -20
LOCATION:	Permit 4454	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**4454 F1-C2**	**4454 F1-C2**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	72.13	72.13	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	12.02	12.02	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.44	<0.44	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.44	<0.44	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	45.90	61.20	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	300	400	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.42	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	91.50	91.50	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-21 and -22
LOCATION:	Permit 4454	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**4454 F2-C1**	**4454 F2-C1**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	81.21	76.49	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	13.92	12.37	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.46	<0.45	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.46	<0.45	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	49.88	24.75	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	600	300	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.43	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	86.20	88.90	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-23 and -24
LOCATION:	Permit 4454	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**4454 F2-C2**	**4454 F2-C2**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	77.54	74.69	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	12.54	12.26	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.46	<0.45	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.46	<0.45	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	58.15	160.54	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	400	400	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.45	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	87.70	89.70	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT: K-3BMI
LOCATION: Permit 4454
SAMPLED BY: K-3
DATE COLLECTED: April 10, 2025

LAB NUMBER: 25D1895-25 and -26
DATE RECEIVED: April 11, 2025
DATE ANALYZED: May 12, 2025
DATE COMPLETED: May 12, 2025

PARAMETERS:	4454 F2-C3	4454 F2-C3	METHOD	Reporting Limit
(*) DENOTES: DRY WEIGHT BASIS	0" - 6"	6" - 24"		
TKN-N * (mg/kg)	73.09	81.05	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	12.18	13.89	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.22	<0.23	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.22	<0.23	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	54.26	49.77	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	700	700	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.43	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	90.30	86.40	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-27 and -28
LOCATION:	Permit 4518	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**4518 F1**	**4518 F1**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	81.59	81.97	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	13.99	14.05	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.47	<0.47	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.47	<0.47	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	103.73	100.70	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	300	400	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.45	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	85.80	85.40	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT: K-3BMI
LOCATION: Permit 4518
SAMPLED BY: K-3
DATE COLLECTED: April 10, 2025

LAB NUMBER: 25D1895-29 and -30
DATE RECEIVED: April 11, 2025
DATE ANALYZED: May 12, 2025
DATE COMPLETED: May 12, 2025

PARAMETERS:	4518 F2 0" - 6"	4518 F2 6" - 24"	METHOD	Reporting Limit
(*) DENOTES: DRY WEIGHT BASIS				
TKN-N * (mg/kg)	77.27	79.40	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	12.50	13.81	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.45	<0.46	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.45	<0.46	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	142.05	182.97	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	300	200	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.43	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	88.00	86.90	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-31 and -32
LOCATION:	Permit 4518	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**4518 F3**	**4518 F3**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	73.17	74.44	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	12.20	12.22	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.44	<0.44	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.44	<0.44	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	102.00	66.63	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	200	300	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.45	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	90.20	90.00	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT: K-3BMI
LOCATION: Permit 4518
SAMPLED BY: K-3
DATE COLLECTED: April 10, 2025

LAB NUMBER: 25D1895-33 and -34
DATE RECEIVED: April 11, 2025
DATE ANALYZED: May 12, 2025
DATE COMPLETED: May 12, 2025

PARAMETERS:	4518 F4 0" - 6"	4518 F4 6" - 24"	METHOD	Reporting Limit
(*) DENOTES: DRY WEIGHT BASIS				
TKN-N * (mg/kg)	77.01	75.28	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	12.46	12.36	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.45	<0.45	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.45	<0.45	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	47.57	40.45	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	300	200	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.43	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	88.30	89.00	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-35 and -36
LOCATION:	Permit 4518	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**4518 F5**	**4518 F5**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	72.85	72.85	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	12.14	12.14	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.44	<0.44	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.44	<0.44	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	93.82	83.89	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	200	200	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.41	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	90.60	90.60	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-37 and -38
LOCATION:	Permit 4450	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**4450 F1**	**4450 F1**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	96.69	70.73	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	16.54	11.97	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.51	<0.22	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.51	<0.22	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	59.80	50.05	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	700	700	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.45	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	78.60	91.90	SM 2540 B	



ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-39 and -40
LOCATION:	Permit 4450	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**4450 F2**	**4450 F2**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	86.54	85.41	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	14.42	14.23	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.48	<0.47	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.48	<0.47	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	129.81	124.56	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	600	600	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.45	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	83.20	84.30	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT: K-3BMI
LOCATION: Permit 4450
SAMPLED BY: K-3
DATE COLLECTED: April 10, 2025

LAB NUMBER: 25D1895-41 and -42
DATE RECEIVED: April 11, 2025
DATE ANALYZED: May 12, 2025
DATE COMPLETED: May 12, 2025

PARAMETERS:	4450 F3	4450 F3	METHOD	Reporting Limit
(*) DENOTES: DRY WEIGHT BASIS	0" - 6"	6" - 24"		
TKN-N * (mg/kg)	86.23	70.12	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	14.37	11.87	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.48	<0.43	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.48	<0.43	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	28.74	23.73	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	180	200	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.53	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	83.50	92.70	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-50 and -51
LOCATION:	Permit 4445	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**4445 F1**	**4445 F1**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	68.67	70.73	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	11.80	11.97	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.43	<0.44	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.43	<0.44	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	96.57	115.34	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	300	300	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.43	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	93.20	91.90	SM 2540 B	

ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-52 and -53
LOCATION:	Permit 4445	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**4445 F2**	**4445 F2**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	74.44	74.53	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	12.22	12.24	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.44	<0.44	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.44	<0.44	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	63.33	110.12	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	200	400	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.43	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	90.00	89.90	SM 2540 B	



ENVIRODYNE LABORATORIES, INC.

CLIENT:	K-3BMI	LAB NUMBER:	25D1895-54 and -55
LOCATION:	Permit 4445	DATE RECEIVED:	April 11, 2025
SAMPLED BY:	K-3	DATE ANALYZED:	May 12, 2025
DATE COLLECTED:	April 10, 2025	DATE COMPLETED:	May 12, 2025

PARAMETERS:	**4445 F3**	**4445 F3**	**METHOD**	**Reporting Limit**
(*) DENOTES: DRY WEIGHT BASIS	**0" - 6"**	**6" - 24"**		
TKN-N * (mg/kg)	70.42	68.60	SM 4500 NH3 D	0.01
NO3-N * (mg/kg)	11.92	11.70	SM 4500-NO3 E 1 N KCl	0.01
NH3-N * (mg/kg)	<0.43	<0.43	SM 4500-NH3 F 1 N KCl	0.01
NH4-N * (mg/kg)	<0.43	<0.43	Calc	0.01
TOTAL PHOSPHORUS, Extractable * (mg/kg)	10.83	10.72	SM 4500-P E	0.01
POTASSIUM, Extractable * (mg/kg)	180	200	EPA SW 846-6010B	0.002
SELENIUM * (mg/kg)	<0.45	N/A	EPA SW 846-6010B, 3050	0.002
TOTAL SOLIDS (%)	92.30	93.30	SM 2540 B	

Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: K-3 BMI
Project: K-3BMI
Work Order: 25D1895

Reported:
26-Jun-25 16:44

Wet Chemistry - Quality Control

Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5D5023 - Inorganics										
Duplicate (B5D5023-DUP1)		**Source: 25D1895-31**		Prepared & Analyzed: 17-Apr-25						
Total Solids	90.6	0.01	%		90.2			0.409	20	
Batch B5D5024 - Inorganics										
Duplicate (B5D5024-DUP1)		**Source: 25D1895-17**		Prepared & Analyzed: 17-Apr-25						
Total Solids	90.9	0.01	%		90.5			0.441	20	
Batch B5D5025 - Inorganics										
Duplicate (B5D5025-DUP1)		**Source: 25D1895-07**		Prepared & Analyzed: 17-Apr-25						
Total Solids	88.9	0.01	%		88.9			0.0562	20	
Batch B5D5027 - Inorganics										
Duplicate (B5D5027-DUP1)		**Source: 25D1895-01**		Prepared & Analyzed: 17-Apr-25						
Total Solids	91.4	0.01	%		90.9			0.461	20	
Batch B5D5028 - Inorganics										
Duplicate (B5D5028-DUP1)		**Source: 25D1895-02**		Prepared & Analyzed: 17-Apr-25						
Total Solids	83.8	0.01	%		84.2			0.429	20	
Batch B5D5339 - Inorganics										
Blank (B5D5339-BLK1)				Prepared & Analyzed: 22-Apr-25						
Phosphorus, Total	<0.10	0.10	mg/kg							

Envirodyne Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Laura Bonjonia

Laura Bonjonia For Sherry Walker, Client Services Representative

Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client:	K-3 BMI
Project:	K-3BMI
Work Order:	25D1895

Reported:
26-Jun-25 16:44

Wet Chemistry - Quality Control

Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5D5339 - Inorganics										
LCS (B5D5339-BS1)				Prepared & Analyzed: 22-Apr-25						
Phosphorus, Total	1.00		mg/kg	1.00		100	80-120			
Matrix Spike (B5D5339-MS1)		**Source: 25D1982-01**		Prepared & Analyzed: 22-Apr-25						
Phosphorus, Total	27.0	1.00	mg/kg	1.00	26.1	90.0	80-120			
Matrix Spike Dup (B5D5339-MSD1)		**Source: 25D1982-01**		Prepared & Analyzed: 22-Apr-25						
Phosphorus, Total	27.0	1.00	mg/kg	1.00	26.1	90.0	80-120	0.00	20	
Batch B5D5342 - Inorganics										
Blank (B5D5342-BLK1)				Prepared & Analyzed: 22-Apr-25						
Phosphorus, Total	<0.10	0.10	mg/kg							
LCS (B5D5342-BS1)				Prepared & Analyzed: 22-Apr-25						
Phosphorus, Total	1.01		mg/kg	1.00		101	80-120			
Matrix Spike (B5D5342-MS1)		**Source: 25D1895-40**		Prepared & Analyzed: 22-Apr-25						
Phosphorus, Total	2.00	0.10	mg/kg	1.00	1.05	95.0	80-120			
Matrix Spike Dup (B5D5342-MSD1)		**Source: 25D1895-40**		Prepared & Analyzed: 22-Apr-25						
Phosphorus, Total	2.01	0.10	mg/kg	1.00	1.05	96.0	80-120	0.499	20	
Batch B5D5343 - Inorganics										
Blank (B5D5343-BLK1)				Prepared & Analyzed: 22-Apr-25						
Phosphorus, Total	<0.10	0.10	mg/kg							

Envirodyne Laboratories, Inc.

Laura Bonjonia

Laura Bonjonia For Sherry Walker, Client Services Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client:	K-3 BMI
Project:	K-3BMI
Work Order:	25D1895

Reported:
26-Jun-25 16:44

Wet Chemistry - Quality Control

Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5D5343 - Inorganics										
LCS (B5D5343-BS1)				Prepared & Analyzed: 22-Apr-25						
Phosphorus, Total	1.00		mg/kg	1.00		100	80-120			
Matrix Spike (B5D5343-MS1)		Source: 25D1895-20		Prepared & Analyzed: 22-Apr-25						
Phosphorus, Total	1.49	0.10	mg/kg	1.00	0.560	93.0	80-120			
Matrix Spike Dup (B5D5343-MSD1)		Source: 25D1895-20		Prepared & Analyzed: 22-Apr-25						
Phosphorus, Total	1.51	0.10	mg/kg	1.00	0.560	95.0	80-120	1.33	20	
Batch B5E3821 - Inorganics										
Blank (B5E3821-BLK1)				Prepared & Analyzed: 08-May-25						
Ammonia-N (NH3-N)	<0.200	0.200	% wet							
LCS (B5E3821-BS1)				Prepared & Analyzed: 08-May-25						
Ammonia-N (NH3-N)	4.26		%	0.000500		NR	90-110			
Matrix Spike (B5E3821-MS1)		Source: 25D1895-07		Prepared & Analyzed: 08-May-25						
Ammonia-N (NH3-N)	7.42	0.451	% dry	0.0185	ND	NR	80-120			
Matrix Spike Dup (B5E3821-MSD1)		Source: 25D1895-07		Prepared & Analyzed: 08-May-25						
Ammonia-N (NH3-N)	7.40	0.451	% dry	0.0185	ND	NR	80-120	0.303	20	
Batch B5E3824 - Inorganics										
Blank (B5E3824-BLK1)				Prepared & Analyzed: 08-May-25						
Ammonia-N (NH3-N)	<0.200	0.200	% wet							

Envirodyne Laboratories, Inc.

Laura Bonjonia

Laura Bonjonia For Sherry Walker, Client Services Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client:	K-3 BMI
Project:	K-3BMI
Work Order:	25D1895

Reported:
26-Jun-25 16:44

Wet Chemistry - Quality Control

Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5E3824 - Inorganics										
LCS (B5E3824-BS1)				Prepared & Analyzed: 08-May-25						
Ammonia-N (NH3-N)	3.76		%	0.000500		NR	90-110			
Matrix Spike (B5E3824-MS1)		Source: 25D1895-12		Prepared & Analyzed: 08-May-25						
Ammonia-N (NH3-N)	6.80	0.469	% dry	0.0192	ND	NR	80-120			
Matrix Spike Dup (B5E3824-MSD1)		Source: 25D1895-12		Prepared & Analyzed: 08-May-25						
Ammonia-N (NH3-N)	6.59	0.469	% dry	0.0192	ND	NR	80-120	3.15	20	
Batch B5E3866 - Inorganics										
Blank (B5E3866-BLK1)				Prepared & Analyzed: 09-May-25						
Ammonia-N (NH3-N)	<0.200	0.200	% wet							
LCS (B5E3866-BS1)				Prepared & Analyzed: 09-May-25						
Ammonia-N (NH3-N)	4.86		%	0.000500		NR	90-110			
Matrix Spike (B5E3866-MS1)		Source: 25D1895-13		Prepared & Analyzed: 09-May-25						
Ammonia-N (NH3-N)	8.92	0.439	% dry	0.0180	ND	NR	80-120			
Matrix Spike Dup (B5E3866-MSD1)		Source: 25D1895-13		Prepared & Analyzed: 09-May-25						
Ammonia-N (NH3-N)	8.68	0.439	% dry	0.0180	ND	NR	80-120	2.73	20	
Batch B5E3868 - Inorganics										
Blank (B5E3868-BLK1)				Prepared & Analyzed: 09-May-25						
Ammonia-N (NH3-N)	<0.200	0.200	% wet							

Envirodyne Laboratories, Inc.

Laura Bonjonia

Laura Bonjonia For Sherry Walker, Client Services Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client:	K-3 BMI
Project:	K-3BMI
Work Order:	25D1895

Reported:
26-Jun-25 16:44

Wet Chemistry - Quality Control

Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5E3868 - Inorganics										
LCS (B5E3868-BS1)				Prepared & Analyzed: 09-May-25						
Ammonia-N (NH3-N)	5.03		%	0.000500		NR	90-110			
Matrix Spike (B5E3868-MS1)		Source: 25D1895-25		Prepared & Analyzed: 09-May-25						
Ammonia-N (NH3-N)	8.44	0.437	% dry	0.0179	ND	NR	80-120			
Matrix Spike Dup (B5E3868-MSD1)		Source: 25D1895-25		Prepared & Analyzed: 09-May-25						
Ammonia-N (NH3-N)	8.71	0.437	% dry	0.0179	ND	NR	80-120	3.10	20	
Batch B5E3939 - Inorganics										
Blank (B5E3939-BLK1)				Prepared & Analyzed: 09-May-25						
Ammonia-N (NH3-N)	<0.200	0.200	% wet							
LCS (B5E3939-BS1)				Prepared & Analyzed: 09-May-25						
Ammonia-N (NH3-N)	4.80		%	0.000500		NR	90-110			
Matrix Spike (B5E3939-MS1)		Source: 25D1895-38		Prepared & Analyzed: 09-May-25						
Ammonia-N (NH3-N)	8.40	0.432	% dry	0.0177	ND	NR	80-120			
Matrix Spike Dup (B5E3939-MSD1)		Source: 25D1895-38		Prepared & Analyzed: 09-May-25						
Ammonia-N (NH3-N)	8.27	0.432	% dry	0.0177	ND	NR	80-120	1.57	20	
Batch B5E4102 - Inorganics										
Blank (B5E4102-BLK1)				Prepared & Analyzed: 12-May-25						
Nitrate-N	<0.10	0.10	% wet							

Envirodyne Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Laura Bonjonia

Laura Bonjonia For Sherry Walker, Client Services Representative

Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client:	K-3 BMI
Project:	K-3BMI
Work Order:	25D1895

Reported:
26-Jun-25 16:44

Wet Chemistry - Quality Control

Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5E4102 - Inorganics										
LCS (B5E4102-BS1)				Prepared & Analyzed: 12-May-25						
Nitrate-N	9.72		mg/kg	10.0		97.2	90-110			
Matrix Spike (B5E4102-MS1)		Source: 25D1895-07		Prepared & Analyzed: 12-May-25						
Nitrate-N	<0.22	0.22	% dry	0.112	<0.22	187	80-120			
Matrix Spike Dup (B5E4102-MSD1)		Source: 25D1895-07		Prepared & Analyzed: 12-May-25						
Nitrate-N	<0.22	0.22	% dry	0.112	<0.22	186	80-120	0.429	20	
Batch B5E4107 - Inorganics										
Blank (B5E4107-BLK1)				Prepared & Analyzed: 12-May-25						
Nitrate-N	<0.10	0.10	% wet							
LCS (B5E4107-BS1)				Prepared & Analyzed: 12-May-25						
Nitrate-N	9.67		mg/kg	10.0		96.7	90-110			
Matrix Spike (B5E4107-MS1)		Source: 25D1895-12		Prepared & Analyzed: 12-May-25						
Nitrate-N	<0.23	0.23	% dry	0.117	<0.23	191	80-120			
Matrix Spike Dup (B5E4107-MSD1)		Source: 25D1895-12		Prepared & Analyzed: 12-May-25						
Nitrate-N	<0.23	0.23	% dry	0.117	<0.23	190	80-120	0.736	20	
Batch B5E4215 - Inorganics										
Blank (B5E4215-BLK1)				Prepared & Analyzed: 12-May-25						
Nitrate-N	<0.10	0.10	% wet							

Envirodyne Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Laura Bonjonia For Sherry Walker, Client Services Representative

Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client:	K-3 BMI
Project:	K-3BMI
Work Order:	25D1895

Reported:
26-Jun-25 16:44

Wet Chemistry - Quality Control

Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5E4215 - Inorganics										
LCS (B5E4215-BS1)				Prepared & Analyzed: 12-May-25						
Nitrate-N	9.17		mg/kg	10.0		91.7	90-110			
Matrix Spike (B5E4215-MS1)		Source: 25D1895-13		Prepared & Analyzed: 12-May-25						
Nitrate-N	<0.22	0.22	% dry	0.109	<0.22	193	80-120			
Matrix Spike Dup (B5E4215-MSD1)		Source: 25D1895-13		Prepared & Analyzed: 12-May-25						
Nitrate-N	<0.22	0.22	% dry	0.109	<0.22	193	80-120	0.311	20	
Batch B5E4219 - Inorganics										
Blank (B5E4219-BLK1)				Prepared & Analyzed: 12-May-25						
Nitrate-N	<0.10	0.10	% wet							
LCS (B5E4219-BS1)				Prepared & Analyzed: 12-May-25						
Nitrate-N	9.17		mg/kg	10.0		91.7	90-110			
Matrix Spike (B5E4219-MS1)		Source: 25D1895-25		Prepared & Analyzed: 12-May-25						
Nitrate-N	<0.22	0.22	% dry	0.111	<0.22	180	80-120			
Matrix Spike Dup (B5E4219-MSD1)		Source: 25D1895-25		Prepared & Analyzed: 12-May-25						
Nitrate-N	<0.22	0.22	% dry	0.111	<0.22	182	80-120	1.44	20	
Batch B5E4221 - Inorganics										
Blank (B5E4221-BLK1)				Prepared & Analyzed: 12-May-25						
Nitrate-N	<0.10	0.10	% wet							

Envirodyne Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Laura Bonjonia For Sherry Walker, Client Services Representative

Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client:	K-3 BMI
Project:	K-3BMI
Work Order:	25D1895

Reported:
26-Jun-25 16:44

Wet Chemistry - Quality Control

Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5E4221 - Inorganics										
LCS (B5E4221-BS1)				Prepared & Analyzed: 12-May-25						
Nitrate-N	9.22		mg/kg	10.0		92.2	90-110			
Matrix Spike (B5E4221-MS1)		**Source: 25D1895-38**		Prepared & Analyzed: 12-May-25						
Nitrate-N	<0.22	0.22	% dry	0.109	<0.22	181	80-120			
Matrix Spike Dup (B5E4221-MSD1)		**Source: 25D1895-38**		Prepared & Analyzed: 12-May-25						
Nitrate-N	<0.22	0.22	% dry	0.109	<0.22	182	80-120	0.662	20	

Envirodyne Laboratories, Inc.

Laura Bonjonia

Laura Bonjonia For Sherry Walker, Client Services Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client:	K-3 BMI
Project:	K-3BMI
Work Order:	25D1895

Reported:
26-Jun-25 16:44

Total Metals by ICP - Quality Control

Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5E4631 - Metals - EPA 3050B										
Blank (B5E4631-BLK1)				Prepared: 13-May-25 Analyzed: 16-May-25						
Potassium	<0.99	0.99	% wet							
Batch B5E4634 - Metals - EPA 3050B										
Blank (B5E4634-BLK1)				Prepared: 13-May-25 Analyzed: 20-May-25						
Selenium	<0.50	0.50	mg/kg wet							
Potassium	<2.00	2.00	% wet							
Batch B5E4637 - Metals - EPA 3050B										
Blank (B5E4637-BLK1)				Prepared: 13-May-25 Analyzed: 20-May-25						
Selenium	<0.50	0.50	mg/kg wet							
Potassium	<2.00	2.00	% wet							

Envirodyne Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Laura Bonjonia

Laura Bonjonia For Sherry Walker, Client Services Representative

Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client:	K-3 BMI		
Project:	K-3BMI	**Reported:**	
Work Order:	25D1895	26-Jun-25 16:44	

Notes and Definitions

P	Sample preserved at bench
L	Analyzed by third party laboratory
ND	Analyte NOT DETECTED at or above the reporting limit
<	Result is less than the RL
a	Analyte not available for TNI/NELAP accreditation
n	Not accredited

Envirodyne Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Laura Bonjonia

Laura Bonjonia For Sherry Walker, Client Services Representative

Accutest Laboratories
2235 Route 130 North
Dayton, NJ 08810
TEL: 732-329-0200
FAX: 732-329-3499
www.accutest.com

Client:	K-S BMI	
Project:	K-S BMI	
Work Order:	250N1295	Reported: 26-Jun-25 17:44

Notes and Definitions

P	Sample preserved below pH 2
L	Analyzed by third party laboratory
MS	Analyte NOT DETECTED at or above the reporting limit
<	Result is less than the RL
a	Analyte not available for SW846 8270E Accreditation
n	Not accredited

Accutest Laboratories, Inc. warrants that all data presented in this report conforms to the requirements of the NELAC standards unless noted otherwise. This report shall not be reproduced except in full, without the written approval of Accutest Laboratories, Inc.

Accutest Laboratories Inc.

Laura Bonjonis For Sherry Walker, Client Services Representative

ENVIRODYNE LABORATORIES INC

Envirodyne Laboratories, Inc.
11011 Brooklet Dr, Ste. 230
Houston, Texas 77099-3543
Phone (281) 568-7880 - Fax (281) 568-8004

2501895

Analysis Request and Chain of Custody Record

Work Order #:

TCEQ Certification # T104704265

Name: K-3 BMI			Phone: 281-375-5778
Address: 9458 FM 362			Email: compliance@k3bmi.com
City: Brookshire	State: TX	Zip: 77423	Alternate Contact:
Contact: Renee Tom			
Project No. 5248 4.11.2025	Client/Project	Permit 5248	

Lab ID No.	Field Sample No. / Identification	Date & Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, etc.)	Preservative	ANALYSIS REQUESTED	pH	D.O.	Temp.	Analysis Time
	5248 F1/ 0"-6"	4.10.25 2:15 pm	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K, Se				
	5248 F1/ 6"-24"	4.10.25 2:15 pm	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K				
	5248 F2/ 0"-6"	4.10.25 2:30 pm	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K, Se				
	5248 F2/ 6"-24"	4.10.25 2:30 pm	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K				
	5248 F3/ 0"-6"	4.10.25 2:45 pm	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K, Se				
	5248 F3/ 6"-24"	4.10.25 2:45 pm	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K				

Samplers: (Signature)	Relinquished by: (Signature) K Smith	Date: 4.11.25 Time: 10:36 am	Received by: (Signature)	Date: 4-11-25 Time: 1040 Seal Intact? ☐ Yes ☐ No
K Smith	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time: Seal Intact? ☐ Yes ☐ No
Affiliation				
InterLab	Relinquished by: (Signature)	Date: 4-11-25 Time: 1640	Received by Lab: (Signature)	Date: 4-11-25 Time: 1644 Seal Intact? ☐ Yes ☐ No

Remarks:	FLOW:	Cl_2 Residual:	Arrival Temp. Act: 8.9	Site Representative:
	Meter Reading:	Mn Correction:	Corr. 8.9	Comments:
	H_2S:	Cl_2 Correction:	Therm. ID: J	

1895

ENVIRODYNE LABORATORIES INC

Envirodyne Laboratories, Inc.
11011 Brooklet Dr, Ste. 230
Houston, Texas 77099-3543
Phone (281) 568-7880 - Fax (281) 568-8004

Analysis Request and Chain of Custody Record

Work Order #:

TCEQ Certification # T104704265

Name: K-3 BMI			Phone: 281-375-5778
Address: 9458 FM 362			Email: compliance@k3bmi.com
City: Brookshire	State: TX	Zip: 77423	Alternate Contact:
Contact: Renee Tom			

Project No. 5222 4.11.2025 | Client/Project: Permit 5222

Lab ID No.	Field Sample No. / Identification	Date & Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, etc.)	Preservative	ANALYSIS REQUESTED	pH	D.O.	Temp.	Analysis Time
	5222 F1/ 0"-6"	4.10.25 1:20pm	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K, Se				
	5222 F1/ 6"-24"	4.10.25 1:20pm	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K				

Samplers: (Signature) K Smith	Relinquished by: (Signature) K Smith	Date: 4.11.25 Time: 10:37am	Received by: (Signature)	Date: 4-11-25 Time: 1040	Seal Intact? ☐ Yes ☐ No
Affiliation	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Seal Intact? ☐ Yes ☐ No
InterLab	Relinquished by: (Signature)	Date: 4/11/25 Time: 1640	Received by Lab: (Signature)	Date: 4/11/25 Time: 1640	Seal Intact? ☐ Yes ☐ No

Remarks:	FLOW:	Cl_2 Residual:	Arrival Temp. Act: 8.9	Site Representative:
	Meter Reading:	Mn Correction:	Corr. 8.9	Comments:
	H_2S:	Cl_2 Correction:	Therm. ID: 8	

1895

ENVIRODYNE LABORATORIES INC

Envirodyne Laboratories, Inc.
11011 Brooklet Dr, Ste. 230
Houston, Texas 77099-3543
Phone (281) 568-7880 - Fax (281) 568-8004

Analysis Request and Chain of Custody Record

Work Order #:

TCEQ Certification # T104704265

Name: K-3 BMI			Phone: 281-375-5778
Address: 9458 FM 362			Email: compliance@k3bmi.com
City: Brookshire	State: TX	Zip: 77423	Alternate Contact:
Contact: Renee Tom			

Project No. 4448 4.11.2025 — Client/Project: Permit 4448

Lab ID No.	Field Sample No. / Identification	Date & Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, etc.)	Preservative	ANALYSIS REQUESTED	pH	D.O.	Temp.	Analysis Time
	✓ 4448 F1 C1/ 0"-6"	4.10.25 10:00am	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K, Se				
	✓ 4448 F1 C1/ 6"-24"	4.10.25 10:00am	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K				
	✓ 4448 F1 C2/ 0"-6"	4.10.25 10:15am	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K, Se				
	✓ 4448 F1 C2/ 6"-24"	4.10.25 10:15am	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K				
	✓ 4448 F2/ 0"-6"	4.10.25 10:25am	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K, Se				
	✓ 4448 F2/ 6"-24"	4.10.25 10:25am	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K				
	4448 F3/ 0"-6"	4.10.25 10:30am	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K, Se				
	4448 F3/ 6"-24"	4.10.25 10:30am	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K				

Samplers: (Signature) K Smith	Relinquished by: (Signature) K Smith	Date: 4.11.25 Time: 10:37am	Received by: (Signature)	Date: 4-11-25 Time: 1040 — Seal Intact? ☐ Yes ☐ No
Affiliation: InterLab	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time: — Seal Intact? ☐ Yes ☐ No
	Relinquished by: (Signature)	Date: 4/11/25 Time: 1640	Received by Lab: (Signature)	Date: 4/11/25 Time: 1644 — Seal Intact? ☐ Yes ☐ No

Remarks:	FLOW:	Cl_2 Residual:	Arrival Temp. Act: 8.9	Site Representative:
	Meter Reading:	Mn Correction:	Corr. 8.9	Comments:
	H_2S:	Cl_2 Correction:	Therm. ID:	

1895

ENVIRODYNE LABORATORIES INC

Envirodyne Laboratories, Inc.
11011 Brooklet Dr, Ste. 230
Houston, Texas 77099-3543
Phone (281) 568-7880 - Fax (281) 568-8004

Analysis Request and Chain of Custody Record

Work Order #:

TCEQ Certification # T104704265

Name: K-3 BMI			Phone: 281-375-5778
Address: 9458 FM 362			Email: compliance@k3bmi.com
City: Brookshire	State: TX	Zip: 77423	Alternate Contact:
Contact: Renee Tom			

Project No. 4454 4.11.2025 — Client/Project: Permit 4454

Lab ID No.	Field Sample No. / Identification	Date & Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, etc.)	Preservative	ANALYSIS REQUESTED	pH	D.O.	Temp.	Analysis Time
✓	4454 F1 C1/ 0"- 6"	4.10.25 9:15am	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K, Se				
✓	4454 F1 C1/ 6"- 24"	4.10.25 9:15am	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K				
✓	4454 F1 C2/ 0"- 6"	4.10.25 9:20am	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K, Se				
✓	4454 F1 C2/ 6"- 24"	4.10.25 9:20am	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K				
✓	4454 F2 C1/ 0"- 6"	4.10.25 9:30am	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K, Se				
✓	4454 F2 C1/ 6"- 24"	4.10.25 9:30am	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K				
✓	4454 F2 C2/ 0"- 6"	4.10.25 9:35am	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K, Se				
✓	4454 F2 C2/ 6"- 24"	4.10.25 9:35am	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K				
✓	4454 F2 C3/ 0"- 6"	4.10.25 9:40am	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K, Se				
✓	4454 F2 C3/ 6"- 24"	4.10.25 9:40am	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K				

Samplers: (Signature)	Relinquished by: (Signature)	Date: 4.11.25 Time: 10:37am	Received by: (Signature)	Date: 4-11-25 Time: 1040	Seal Intact? ☐ Yes ☐ No
KSmith	KSmith				
Affiliation	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Seal Intact? ☐ Yes ☐ No
InterLab	Relinquished by: (Signature)	Date: 4/11/25 Time: 1440	Received by Lab: (Signature)	Date: 4-11-25 Time: 1640	Seal Intact? ☐ Yes ☐ No

Remarks:	FLOW:	Cl_2 Residual:	Arrival Temp.	Site Representative:
	Meter Reading:	Mn Correction:	Act: 8.9 Corr. 8.9	Comments:
	H_2S:	Cl_2 Correction:	Therm. ID: J	

1845

ENVIRODYNE LABORATORIES INC

Envirodyne Laboratories, Inc.
11011 Brooklet Dr, Ste. 230
Houston, Texas 77099-3543
Phone (281) 568-7880 - Fax (281) 568-8004

Analysis Request and Chain of Custody Record

Work Order #:

TCEQ Certification # T104704265

Name: K-3 BMI			Phone: 281-375-5778
Address: 9458 FM 362			Email: compliance@k3bmi.com
City: Brookshire	State: TX	Zip: 77423	Alternate Contact:
Contact: Renee Tom			

Project No. 4518 4.11.2025 — Client/Project: Permit 4518

Lab ID No.	Field Sample No. / Identification	Date & Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, etc.)	Preservative	ANALYSIS REQUESTED	pH	D.O.	Temp.	Analysis Time
✓	4518 F1/ 0" - 6"	4.9.25 3:00pm	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K, Se				
✓	4518 F1/ 6" - 24"	4.9.25 3:00pm	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K				
✓	4518 F2/ 0" - 6"	4.9.25 11:00am	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K, Se				
✓	4518 F2/ 6" - 24"	4.9.25 11:00am	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K				
✓	4518 F3/ 0" - 6"	4.9.25 3:30 pm	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K, Se				
✓	4518 F3/ 6" - 24"	4.9.25 3:30 pm	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K				
✓	4518 F4/ 0" - 6"	4.9.25 3:45 pm	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K, Se				
✓	4518 F4/ 6" - 24"	4.9.25 3:45pm	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K				
✓	4518 F5/ 0" - 6"	4.10.25 3:40pm	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K, Se				
✓	4518 F5/ 6" - 24"	4.10.25 3:40pm	✓		1 Gallon Plastic Bag	Soil Sample		TKN, NH4-N, NO3-N, Phos, K				

Samplers: (Signature)	Relinquished by: (Signature)	Date: 4.11.25 Time: 10:35am	Received by: (Signature)	Date: 4-11-25 Time: 1040	Seal Intact? ☐ Yes ☐ No
Affiliation	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Seal Intact? ☐ Yes ☐ No
InterLab	Relinquished by: (Signature)	Date: 4/11/25 Time: 1640	Received by Lab: (Signature)	Date: 4/11/25 Time: 1640	Seal Intact? ☐ Yes ☐ No

Remarks:

FLOW: ____ Cl_2 Residual: ____
Meter Reading: ____ Mn Correction: ____
H_2S: ____ Cl_2 Correction: ____

Arrival Temp. Act: 8.9 Corr. 8.4 Therm. ID: ____

Site Representative:

Comments:

ENVIRODYNE LABORATORIES INC

Envirodyne Laboratories, Inc.
11011 Brooklet Dr, Ste. 230
Houston, Texas 77099-3543
Phone (281) 568-7880 - Fax (281) 568-8004

1895

Analysis Request and Chain of Custody Record

Work Order #:

TCEQ Certification # T104704265

Name: K-3 BMI			Phone: 281-375-5778
Address: 9458 FM 362			Email: compliance@k3bmi.com
City: Brookshire	State: TX	Zip: 77423	Alternate Contact:
Contact: Renee Tom			

Project No. 4450 4.11.2025 — Client/Project: Permit 4450

Lab ID No.	Field Sample No. / Identification	Date & Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, etc.)	Preservative	ANALYSIS REQUESTED	pH	D.O.	Temp.	Analysis Time
	✓ 4450 F1/ 0"- 6"	4.10.25 12:00 pm	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K, Se				
	✓ 4450 F1/ 6"- 24"	4.10.25 12:00 pm	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K				
	✓ 4450 F2/ 0"- 6"	4.10.25 12:15 pm	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K, Se				
	✓ 4450 F2/ 6"- 24"	4.10.25 12:15 pm	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K				
	✓ 4450 F3/ 0"- 6"	4.10.25 12:25 pm	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K, Se				
	✓ 4450 F3/ 6"- 24"	4.10.25 12:25 pm	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K				

Samplers: (Signature) K Britt	Relinquished by: (Signature) K Britt	Date: 4.11.25 Time: 10:38 am	Received by: (Signature)	Date: 4-11-25 Time: 1040 — Seal Intact? ☐ Yes ☐ No
Affiliation	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time: — Seal Intact? ☐ Yes ☐ No
InterLab	Relinquished by: (Signature)	Date: 4/11/25 Time: 1640	Received by Lab: (Signature)	Date: 4/11/25 Time: 1640 — Seal Intact? ☐ Yes ☐ No

Remarks:	FLOW:	Cl_2 Residual:	Arrival Temp. Act: 8.9	Site Representative:
	Meter Reading:	Mn Correction:	Corr. 8.9	Comments:
	H_2S:	Cl_2 Correction:	Therm. ID: J	

ENVIRODYNE LABORATORIES INC

Envirodyne Laboratories, Inc.
11011 Brooklet Dr, Ste. 230
Houston, Texas 77099-3543
Phone (281) 568-7880 - Fax (281) 568-8004

1895

Analysis Request and Chain of Custody Record

Work Order #:

TCEQ Certification # T104704265

Name: K-3 BMI			Phone: 281-375-5778
Address: 9458 FM 362			Email: compliance@k3bmi.com
City: Brookshire	State: TX	Zip: 77423	Alternate Contact:
Contact: Renee Tom			

Project No. 4445 4.11.2025 — Client/Project: Permit 4445

Lab ID No.	Field Sample No. / Identification	Date & Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, etc.)	Preservative	ANALYSIS REQUESTED	pH	D.O.	Temp.	Analysis Time
/	4445 F1/ 0"-6"	4.10.25 11:15am	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K				
/	4445 F1/ 6"-24"	4.10.25 11:15am	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K				
/	4445 F2/ 0"-6"	4.10.25 11:30am	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K				
/	4445 F2/ 6"-24"	4.10.25 11:30am	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K				
/	4445 F3/ 0"-6"	4.10.25 11:35am	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K				
/	4445 F3/ 6"-24"	4.10.25 11:35am	✓		1 Gallon Plastic Bag	Soil sample		TKN, NH4-N, NO3-N, Phos, K				

Samplers: (Signature)	Relinquished by: (Signature)	Date: 4.11.25 Time: 10:38am	Received by: (Signature)	Date: 4-11-25 Time: 1040	Seal Intact? ☐ Yes ☐ No
Affiliation	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Seal Intact? ☐ Yes ☐ No
InterLab	Relinquished by: (Signature)	Date: 4-11-25 Time: 1440	Received by Lab: (Signature)	Date: 4-11-25 Time: 1640	Seal Intact? ☐ Yes ☐ No

Remarks:

FLOW: ____ Cl_2 Residual: ____

Meter Reading: ____ Mn Correction: ____

H_2S: ____ Cl_2 Correction: ____

Arrival Temp. Act: 8.9 Corr. 8.9 Therm. ID: 2

Site Representative:

Comments:

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com

February 20, 2025

Laboratory Report

Kendall Smith
K3BMI
9458 FM 362
Brookshire, TX 77423

Report ID: 20250220131633RLR

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Rebecca Rabon
Assistant Project Manager

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Sample Results

Client Sample ID: 0 - 6 inch Composite
Lab Sample ID: 25A3539-01
Permit 4518 - Annual Soil Sample - F1 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/15/2025 15:50
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Organics by GC											
SW-8082	PCBs, Total	A	<7.28	U	ug/kg dry	10	0.208	7.28	BIA2669	01/28/2025 23:41	SHU
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*135%*		*60-140*					*01/28/2025 23:41*	
SW-8082	*Surrogate: Decachlorobiphenyl-surr*		*95.3%*		*60-140*					*01/28/2025 23:41*	
Metals, Total											
SW-6010C	Arsenic	A	2.36		mg/kg dry	1	0.265	1.20	BIA2447	01/25/2025 11:28	JBM
SW-6010C	Cadmium	A	0.228		mg/kg dry	1	0.0313	0.120	BIA2447	01/25/2025 11:28	JBM
SW-6010C	Chromium	A	10.7		mg/kg dry	1	0.452	0.604	BIA2447	01/25/2025 11:28	TBB
SW-6010C	Copper	A	57.9		mg/kg dry	1	0.129	1.20	BIA2447	01/25/2025 11:28	JBM
SW-7471B	Mercury	A	0.0817		mg/kg dry	1	0.00611	0.0122	BIA2592	01/22/2025 14:43	KSI
SW-6010C	Lead	A	9.36		mg/kg dry	1	0.307	0.604	BIA2447	01/25/2025 11:28	JBM
SW-6010C	Molybdenum	A	0.666		mg/kg dry	1	0.604	0.604	BIA2447	01/25/2025 11:28	JBM
SW-6010C	Nickel	A	3.21		mg/kg dry	1	0.163	0.604	BIA2447	01/25/2025 11:28	JBM
SW-6010C	Zinc	A	129		mg/kg dry	10	6.04	6.04	BIA2447	01/25/2025 15:24	JBM
General Chemistry											
SW-9045C	pH	A	7.00		pH Units @ 25 °C	1		0.0997	BIA2758	01/23/2025 10:02	FPN
SM 2540 G	% Solids	A	81.9		%	1	0.100	0.100	BIA2452	01/21/2025 11:22	JRU
TCLP											
SW-6010C	Arsenic	A	<5.00	U	mg/L	1	0.00367	5.00	BIA2894	01/27/2025 18:05	AKR
SW-6010C	Barium	A	<100	U	mg/L	1	0.00125	100	BIA2894	01/27/2025 18:05	AKR
SW-6010C	Cadmium	A	<1.00	U	mg/L	1	0.000423	1.00	BIA2894	01/27/2025 18:05	AKR
SW-6010C	Chromium	A	<5.00	U	mg/L	1	0.00131	5.00	BIA2894	01/27/2025 18:05	AKR
SW-8151	2,4-D	A	<10.0	C+, U	mg/L	2	0.000475	10.0	BIA2773	01/25/2025 05:37	cdg
SW-8151	Silvex (2,4,5-TP)	A	<1.00	C+, U	mg/L	2	0.000475	1.00	BIA2773	01/25/2025 05:37	cdg
SW-8151	*Surrogate: DCAA-surr*		*145%*	*S*	*70-130*					*01/25/2025 05:37*	
SW-7471B	Mercury	A	<0.200	U	mg/L	1	0.000127	0.200	BIA2862	01/24/2025 13:22	KSI
SW-6010C	Lead	A	<5.00	U	mg/L	1	0.00341	5.00	BIA2894	01/27/2025 18:05	AKR
SW-8081	Chlordane (Total)	A	<0.0300	U	mg/L	1	2.99E-6	0.0300	BIA2813	01/24/2025 09:53	cdg
SW-8081	Endrin	N	<0.0200	U	mg/L	1	2.99E-6	0.0200	BIA2813	01/24/2025 09:53	cdg
SW-8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	A	<0.400	U	mg/L	1	2.99E-6	0.400	BIA2813	01/24/2025 09:53	cdg
SW-8081	Heptachlor	A	<0.00800	U	mg/L	1	2.99E-6	0.00800	BIA2813	01/24/2025 09:53	cdg
SW-8081	Heptachlor epoxide	A	<0.00800	U	mg/L	1	2.99E-6	0.00800	BIA2813	01/24/2025 09:53	cdg
SW-8081	Methoxychlor	A	<10.0	U	mg/L	1	2.99E-6	10.0	BIA2813	01/24/2025 09:53	cdg
SW-8081	Toxaphene (Chlorinated Camphene)	A	<0.500	U	mg/L	1	2.99E-6	0.500	BIA2813	01/24/2025 09:53	cdg

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Sample Results
(Continued)

Client Sample ID: 0 - 6 inch Composite (Continued)
Lab Sample ID: 25A3539-01
Permit 4518 - Annual Soil Sample - F1 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/15/2025 15:50
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*122%*		*60-140*					*01/24/2025 09:53*	
SW-8081	*Surrogate: Decachlorobiphenyl-surr*		*115%*		*60-140*					*01/24/2025 09:53*	
SW-6010C	Selenium	A	<1.00	U	mg/L	1	0.00531	1.00	BIA2894	01/27/2025 18:05	AKR
SW-6010C	Silver	A	<5.00	U	mg/L	1	0.00142	5.00	BIA2894	01/27/2025 18:05	AKR
SW-8270	2,4,5-Trichlorophenol	A	<400	U	mg/L	1	0.00248	400	BIA2707	01/25/2025 05:55	KRB
SW-8270	2,4,6-Trichlorophenol	A	<2.00	U	mg/L	1	0.00248	2.00	BIA2707	01/25/2025 05:55	KRB
SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	U	mg/L	1	0.00248	0.130	BIA2707	01/25/2025 05:55	KRB
SW-8270	2-Methylphenol (o-Cresol)	A	<200	U	mg/L	1	0.00248	200	BIA2707	01/25/2025 05:55	KRB
SW-8270	3,4-Methylphenol	A	<200	U	mg/L	1	0.00248	200	BIA2707	01/25/2025 05:55	KRB
SW-8270	Hexachlorobenzene	A	<0.130	U	mg/L	1	0.00248	0.130	BIA2707	01/25/2025 05:55	KRB
SW-8270	Hexachlorobutadiene	A	<0.500	U	mg/L	1	0.00248	0.500	BIA2707	01/25/2025 05:55	KRB
SW-8270	Hexachloroethane	A	<3.00	U	mg/L	1	0.00248	3.00	BIA2707	01/25/2025 05:55	KRB
SW-8270	Nitrobenzene	A	<2.00	U	mg/L	1	0.00248	2.00	BIA2707	01/25/2025 05:55	KRB
SW-8270	Pentachlorophenol	A	<100	U	mg/L	1	0.00248	100	BIA2707	01/25/2025 05:55	KRB
SW-8270	Pyridine	A	<5.00	U	mg/L	1	0.00248	5.00	BIA2707	01/25/2025 05:55	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*		*81.6%*		*54.6-148*					*01/25/2025 05:55*	
SW-8270	*Surrogate: 2-Fluorophenol-surr*		*90.4%*		*55-152*					*01/25/2025 05:55*	
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*		*99.9%*		*52.4-136*					*01/25/2025 05:55*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr*		*99.6%*		*52-162*					*01/25/2025 05:55*	
SW-8270	*Surrogate: Phenol-d5-surr*		*86.3%*		*58.7-152*					*01/25/2025 05:55*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr*		*66.1%*		*51.9-147*					*01/25/2025 05:55*	
SW-8260	1,1-Dichloroethylene	A	<0.700	U	mg/L	10	0.00849	0.700	BIA2682	01/22/2025 19:25	DDB
SW-8260	1,2-Dichloroethane (Ethylene dichloride)	A	<0.500	U	mg/L	10	0.00870	0.500	BIA2682	01/22/2025 19:25	DDB
SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<7.50	U	mg/L	10	0.00641	7.50	BIA2682	01/22/2025 19:25	DDB
SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	A	<200	U	mg/L	10	0.0738	200	BIA2682	01/22/2025 19:25	DDB
SW-8260	Benzene	A	<0.500	U	mg/L	10	0.00604	0.500	BIA2682	01/22/2025 19:25	DDB
SW-8260	Carbon tetrachloride	A	<0.500	U	mg/L	10	0.00500	0.500	BIA2682	01/22/2025 19:25	DDB
SW-8260	Chlorobenzene	A	<100	U	mg/L	10	0.00724	100	BIA2682	01/22/2025 19:25	DDB
SW-8260	Chloroform	A	<6.00	U	mg/L	10	0.00688	6.00	BIA2682	01/22/2025 19:25	DDB
SW-8260	Tetrachloroethylene (Perchloroethylene)	A	<0.700	U	mg/L	10	0.00703	0.700	BIA2682	01/22/2025 19:25	DDB
SW-8260	Trichloroethene (Trichloroethylene)	A	<0.500	U	mg/L	10	0.00744	0.500	BIA2682	01/22/2025 19:25	DDB
SW-8260	Vinyl chloride (Chloroethene)	A	<0.200	U	mg/L	10	0.0130	0.200	BIA2682	01/22/2025 19:25	DDB
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*		*103%*		*70-130*					*01/22/2025 19:25*	
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*		*109%*		*70-130*					*01/22/2025 19:25*	
SW-8260	*Surrogate: Toluene-d8-surr*		*95.8%*		*70-130*					*01/22/2025 19:25*	
SW-8260	*Surrogate: Dibromofluoromethane-surr*		*109%*		*70-130*					*01/22/2025 19:25*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Sample Results
(Continued)

Client Sample ID: 6 - 24 inch Composite
Lab Sample ID: 25A3539-02
Permit 4518 - Annual Soil Sample - F1 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/15/2025 15:50
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Organics by GC											
SW-8082	PCBs, Total	A	<6.89	U	ug/kg dry	10	0.196	6.89	BIA2669	01/29/2025 00:07	SHU
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*91.0%*		*60-140*					*01/29/2025 00:07*	
SW-8082	*Surrogate: Decachlorobiphenyl-surr*		*91.9%*		*60-140*					*01/29/2025 00:07*	
Metals, Total											
SW-6010C	Arsenic	A	1.77		mg/kg dry	1	0.244	1.11	BIA2447	01/25/2025 10:41	JBM
SW-6010C	Cadmium	A	<0.111	U	mg/kg dry	1	0.0289	0.111	BIA2447	01/25/2025 10:41	JBM
SW-6010C	Chromium	A	8.14		mg/kg dry	1	0.418	0.558	BIA2447	01/25/2025 10:41	TBB
SW-6010C	Copper	A	5.93		mg/kg dry	1	0.119	1.11	BIA2447	01/25/2025 10:41	JBM
SW-7471B	Mercury	A	<0.0114	U	mg/kg dry	1	0.00572	0.0114	BIA2592	01/22/2025 14:53	KSI
SW-6010C	Lead	A	5.10		mg/kg dry	1	0.284	0.558	BIA2447	01/25/2025 10:41	JBM
SW-6010C	Molybdenum	A	<0.558	U	mg/kg dry	1	0.558	0.558	BIA2447	01/25/2025 10:41	JBM
SW-6010C	Nickel	A	1.50		mg/kg dry	1	0.150	0.558	BIA2447	01/25/2025 10:41	JBM
SW-6010C	Zinc	A	10.1		mg/kg dry	1	0.558	0.558	BIA2447	01/25/2025 10:41	JBM
General Chemistry											
SW-9045C	pH	A	7.35	H	pH Units @ 25 °C	1		0.0947	BIA2636	01/22/2025 11:26	FPN
SM 2540 G	% Solids	A	86.8		%	1	0.100	0.100	BIA2452	01/21/2025 11:22	JRU
TCLP											
SW-6010C	Arsenic	A	<5.00	U	mg/L	1	0.00367	5.00	BIA2709	01/29/2025 15:42	TBB
SW-6010C	Barium	A	<100	U	mg/L	1	0.00125	100	BIA2709	01/24/2025 12:59	JKC
SW-6010C	Cadmium	A	<1.00	U	mg/L	1	0.000423	1.00	BIA2709	01/29/2025 15:42	JKC
SW-6010C	Chromium	A	<5.00	U	mg/L	1	0.00131	5.00	BIA2709	01/24/2025 12:59	AKR
SW-7471B	Mercury	A	<0.200	U	mg/L	1	0.000127	0.200	BIA2862	01/24/2025 13:25	KSI
SW-6010C	Lead	A	<5.00	U	mg/L	1	0.00341	5.00	BIA2709	01/24/2025 12:59	JKC
SW-8081	Chlordane (Total)	A	<0.0300	U	mg/L	1	2.98E-6	0.0300	BIA2813	01/24/2025 10:17	cdg
SW-8081	Endrin	N	<0.0200	U	mg/L	1	2.98E-6	0.0200	BIA2813	01/24/2025 10:17	cdg
SW-8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	A	<0.400	U	mg/L	1	2.98E-6	0.400	BIA2813	01/24/2025 10:17	cdg
SW-8081	Heptachlor	A	<0.00800	U	mg/L	1	2.98E-6	0.00800	BIA2813	01/24/2025 10:17	cdg
SW-8081	Heptachlor epoxide	A	<0.00800	U	mg/L	1	2.98E-6	0.00800	BIA2813	01/24/2025 10:17	cdg
SW-8081	Methoxychlor	A	<10.0	U	mg/L	1	2.98E-6	10.0	BIA2813	01/24/2025 10:17	cdg
SW-8081	Toxaphene (Chlorinated Camphene)	A	<0.500	U	mg/L	1	2.98E-6	0.500	BIA2813	01/24/2025 10:17	cdg
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*61.4%*		*60-140*					*01/24/2025 10:17*	
SW-8081	*Surrogate: Decachlorobiphenyl-surr*		*90.4%*		*60-140*					*01/24/2025 10:17*	
SW-6010C	Selenium	A	<1.00	U	mg/L	1	0.00531	1.00	BIA2709	01/24/2025 12:59	JKC
SW-6010C	Silver	A	<5.00	U	mg/L	1	0.00142	5.00	BIA2709	01/24/2025 12:59	JKC

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Sample Results
(Continued)

Client Sample ID: 6 - 24 inch Composite (Continued)
Lab Sample ID: 25A3539-02
Permit 4518 - Annual Soil Sample - F1 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/15/2025 15:50
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8270	2,4,5-Trichlorophenol	A	<400	U	mg/L	1	0.00247	400	BIA2707	01/25/2025 06:30	KRB
SW-8270	2,4,6-Trichlorophenol	A	<2.00	U	mg/L	1	0.00247	2.00	BIA2707	01/25/2025 06:30	KRB
SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	U	mg/L	1	0.00247	0.130	BIA2707	01/25/2025 06:30	KRB
SW-8270	2-Methylphenol (o-Cresol)	A	<200	U	mg/L	1	0.00247	200	BIA2707	01/25/2025 06:30	KRB
SW-8270	3,4-Methylphenol	A	<200	U	mg/L	1	0.00247	200	BIA2707	01/25/2025 06:30	KRB
SW-8270	Hexachlorobenzene	A	<0.130	U	mg/L	1	0.00247	0.130	BIA2707	01/25/2025 06:30	KRB
SW-8270	Hexachlorobutadiene	A	<0.500	U	mg/L	1	0.00247	0.500	BIA2707	01/25/2025 06:30	KRB
SW-8270	Hexachloroethane	A	<3.00	U	mg/L	1	0.00247	3.00	BIA2707	01/25/2025 06:30	KRB
SW-8270	Nitrobenzene	A	<2.00	U	mg/L	1	0.00247	2.00	BIA2707	01/25/2025 06:30	KRB
SW-8270	Pentachlorophenol	A	<100	U	mg/L	1	0.00247	100	BIA2707	01/25/2025 06:30	KRB
SW-8270	Pyridine	A	<5.00	U	mg/L	1	0.00247	5.00	BIA2707	01/25/2025 06:30	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*		*84.3%*		*54.6-148*					*01/25/2025 06:30*	
SW-8270	*Surrogate: 2-Fluorophenol-surr*		*94.6%*		*55-152*					*01/25/2025 06:30*	
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*		*96.5%*		*52.4-136*					*01/25/2025 06:30*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr*		*113%*		*52-162*					*01/25/2025 06:30*	
SW-8270	*Surrogate: Phenol-d5-surr*		*82.6%*		*58.7-152*					*01/25/2025 06:30*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr*		*71.6%*		*51.9-147*					*01/25/2025 06:30*	
SW-8260	1,1-Dichloroethylene	A	<0.700	U	mg/L	10	0.00849	0.700	BIA2682	01/22/2025 21:46	DDB
SW-8260	1,2-Dichloroethane (Ethylene dichloride)	A	<0.500	U	mg/L	10	0.00870	0.500	BIA2682	01/22/2025 21:46	DDB
SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<7.50	U	mg/L	10	0.00641	7.50	BIA2682	01/22/2025 21:46	DDB
SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	A	<200	U	mg/L	10	0.0738	200	BIA2682	01/22/2025 21:46	DDB
SW-8260	Benzene	A	<0.500	U	mg/L	10	0.00604	0.500	BIA2682	01/22/2025 21:46	DDB
SW-8260	Carbon tetrachloride	A	<0.500	U	mg/L	10	0.00500	0.500	BIA2682	01/22/2025 21:46	DDB
SW-8260	Chlorobenzene	A	<100	U	mg/L	10	0.00724	100	BIA2682	01/22/2025 21:46	DDB
SW-8260	Chloroform	A	<6.00	U	mg/L	10	0.00688	6.00	BIA2682	01/22/2025 21:46	DDB
SW-8260	Tetrachloroethylene (Perchloroethylene)	A	<0.700	U	mg/L	10	0.00703	0.700	BIA2682	01/22/2025 21:46	DDB
SW-8260	Trichloroethene (Trichloroethylene)	A	<0.500	U	mg/L	10	0.00744	0.500	BIA2682	01/22/2025 21:46	DDB
SW-8260	Vinyl chloride (Chloroethene)	A	<0.200	U	mg/L	10	0.0130	0.200	BIA2682	01/22/2025 21:46	DDB
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*		*106%*		*70-130*					*01/22/2025 21:46*	
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*		*108%*		*70-130*					*01/22/2025 21:46*	
SW-8260	*Surrogate: Toluene-d8-surr*		*100%*		*70-130*					*01/22/2025 21:46*	
SW-8260	*Surrogate: Dibromofluoromethane-surr*		*109%*		*70-130*					*01/22/2025 21:46*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Sample Results
(Continued)

Client Sample ID: 6 - 24 inch Composite
Lab Sample ID: 25A3539-02RE1
Permit 4518 - Annual Soil Sample - F1 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/15/2025 15:50
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP											
SW-8151	2,4-D (Rerun)	A	<10.0	U	mg/L	2	0.000476	10.0	BIA3398	01/29/2025 09:27	KRB
SW-8151	Silvex (2,4,5-TP) (Rerun)	A	<1.00	U	mg/L	2	0.000476	1.00	BIA3398	01/29/2025 09:27	KRB
SW-8151	*Surrogate: DCAA-surr (Rerun)*		*112%*		*70-130*					*01/29/2025 09:27*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2669 - SW-3570										
Blank (BIA2669-BLK1)				Prepared: 01/22/2025 Analyzed: 01/28/2025						
Aroclor-1016 (PCB-1016)	<5.96	U	5.96	ug/kg wet						
Aroclor-1221 (PCB-1221)	<5.96	U	5.96	ug/kg wet						
Aroclor-1232 (PCB-1232)	<5.96	U	5.96	ug/kg wet						
Aroclor-1242 (PCB-1242)	<5.96	U	5.96	ug/kg wet						
Aroclor-1248 (PCB-1248)	<5.96	U	5.96	ug/kg wet						
Aroclor-1254 (PCB-1254)	<5.96	U	5.96	ug/kg wet						
Aroclor-1260 (PCB-1260)	<5.96	U	5.96	ug/kg wet						
Aroclor-1262 (PCB-1262)	<5.96	U	5.96	ug/kg wet						
Aroclor-1268 (PCB-1268)	<5.96	U	5.96	ug/kg wet						
PCBs, Total	<5.96	U	5.96	ug/kg wet						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*4.37*	*ug/kg wet*	*5.96*		*73.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.99*	*ug/kg wet*	*5.96*		*100*	*60-140*		
LCS (BIA2669-BS1)				Prepared: 01/22/2025 Analyzed: 01/28/2025						
Aroclor-1016 (PCB-1016)	58.1		6.00	ug/kg wet	60.0		96.9	60-140		
Aroclor-1260 (PCB-1260)	56.1		6.00	ug/kg wet	60.0		93.5	60-140		
PCBs, Total	57.1		6.00	ug/kg wet	60.0		95.2	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*2.76*	*ug/kg wet*	*6.00*		*46.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.54*	*ug/kg wet*	*6.00*		*92.3*	*60-140*		
LCS Dup (BIA2669-BSD1)				Prepared: 01/22/2025 Analyzed: 01/28/2025						
Aroclor-1016 (PCB-1016)	59.1		5.99	ug/kg wet	59.9		98.6	60-140	1.65	40
Aroclor-1260 (PCB-1260)	54.1		5.99	ug/kg wet	59.9		90.2	60-140	3.68	40
PCBs, Total	56.6		5.99	ug/kg wet	59.9		94.4	60-140	0.930	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*3.29*	*ug/kg wet*	*5.99*		*54.9*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.59*	*ug/kg wet*	*5.99*		*93.2*	*60-140*		
Matrix Spike (BIA2669-MS1)	**Source: 25A3401-01**			Prepared: 01/22/2025 Analyzed: 01/28/2025						
Aroclor-1016 (PCB-1016)	67.8		6.98	ug/kg dry	69.8	<6.98	97.1	60-140		
Aroclor-1260 (PCB-1260)	64.3		6.98	ug/kg dry	69.8	3.95	86.4	60-140		
PCBs, Total	66.1		6.98	ug/kg dry	69.8	3.95	88.9	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.12*	*ug/kg dry*	*6.98*		*102*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*6.20*	*ug/kg dry*	*6.98*		*88.8*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2669 - SW-3570 (Continued)										
Matrix Spike Dup (BIA2669-MSD1)	**Source: 25A3401-01**			Prepared: 01/22/2025 Analyzed: 01/28/2025						
Aroclor-1016 (PCB-1016)	68.6		6.96	ug/kg dry	69.6	<6.96	98.6	60-140	1.14	40
Aroclor-1260 (PCB-1260)	65.2		6.96	ug/kg dry	69.6	3.95	88.0	60-140	1.35	40
PCBs, Total	66.9		6.96	ug/kg dry	69.6	3.95	90.5	60-140	1.24	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.62*	*ug/kg dry*	*6.96*		*110*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*6.28*	*ug/kg dry*	*6.96*		*90.3*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2447 - SW-3050 for 6010										
Blank (BIA2447-BLK1)				Prepared: 01/20/2025 Analyzed: 01/25/2025						
Arsenic	<0.0333	U	0.0333	mg/kg wet						
Cadmium	<0.00333	U	0.00333	mg/kg wet						
Chromium	<0.0167	U	0.0167	mg/kg wet						
Copper	<0.0333	U	0.0333	mg/kg wet						
Lead	<0.0167	U	0.0167	mg/kg wet						
Molybdenum	<0.0167	U	0.0167	mg/kg wet						
Nickel	<0.0167	U	0.0167	mg/kg wet						
Zinc	<0.0167	U	0.0167	mg/kg wet						
LCS (BIA2447-BS1)				Prepared: 01/20/2025 Analyzed: 01/25/2025						
Arsenic	0.812		0.0333	mg/kg wet	0.833		97.4	80-120		
Cadmium	0.0794		0.00333	mg/kg wet	0.0833		95.2	80-120		
Chromium	0.395		0.0167	mg/kg wet	0.417		94.8	80-120		
Copper	0.802		0.0333	mg/kg wet	0.833		96.2	80-120		
Lead	0.398		0.0167	mg/kg wet	0.417		95.5	80-120		
Molybdenum	0.396		0.0167	mg/kg wet	0.417		95.2	80-120		
Nickel	0.394		0.0167	mg/kg wet	0.417		94.5	80-120		
Zinc	0.406		0.0167	mg/kg wet	0.417		97.3	80-120		
Matrix Spike (BIA2447-MS1)		**Source: 25A3401-01**		Prepared: 01/20/2025 Analyzed: 01/25/2025						
Arsenic	25.0		1.14	mg/kg dry	28.6	3.51	75.3	75-125		
Cadmium	2.60		0.114	mg/kg dry	2.86	0.351	78.7	75-125		
Chromium	20.6		0.572	mg/kg dry	14.3	9.40	78.3	75-125		
Copper	555		11.4	mg/kg dry	600	40.9	85.7	75-125		
Lead	24.2	J1	0.572	mg/kg dry	14.3	24.6	NR	75-125		
Molybdenum	10.9	J1	0.572	mg/kg dry	14.3	0.741	71.1	75-125		
Nickel	14.5	J1	0.572	mg/kg dry	14.3	6.36	56.8	75-125		
Zinc	1030	J1	28.6	mg/kg dry	586	105	158	75-125		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2447 - SW-3050 for 6010 (Continued)										
Matrix Spike (BIA2447-MS2)	**Source: 25A3446-02**			Prepared: 01/20/2025 Analyzed: 01/25/2025						
Arsenic	29.1		1.14	mg/kg dry	28.5	2.44	93.7	75-125		
Cadmium	2.74		0.114	mg/kg dry	2.85	0.257	87.0	75-125		
Chromium	31.6	J1	2.86	mg/kg dry	14.3	9.57	155	75-125		
Copper	561		11.4	mg/kg dry	599	11.6	91.7	75-125		
Lead	24.6		0.571	mg/kg dry	14.3	9.88	103	75-125		
Molybdenum	11.5		0.571	mg/kg dry	14.3	<0.571	80.6	75-125		
Nickel	20.0		0.571	mg/kg dry	14.3	4.09	111	75-125		
Zinc	698		28.6	mg/kg dry	585	34.1	114	75-125		
Matrix Spike Dup (BIA2447-MSD1)	**Source: 25A3401-01**			Prepared: 01/20/2025 Analyzed: 01/25/2025						
Arsenic	25.2		1.09	mg/kg dry	27.4	3.51	79.3	75-125	0.840	20
Cadmium	2.68		0.109	mg/kg dry	2.74	0.351	85.1	75-125	3.14	20
Chromium	20.4		0.549	mg/kg dry	13.7	9.40	80.1	75-125	1.04	20
Copper	526		10.9	mg/kg dry	575	40.9	84.3	75-125	5.40	20
Lead	32.9	J1	2.74	mg/kg dry	13.7	24.6	60.1	75-125	30.3	20
Molybdenum	10.9	J1	0.549	mg/kg dry	13.7	0.741	74.1	75-125	0.00404	20
Nickel	16.3	J1	0.549	mg/kg dry	13.7	6.36	72.6	75-125	11.9	20
Zinc	812	J1	27.4	mg/kg dry	561	105	126	75-125	23.6	20
Matrix Spike Dup (BIA2447-MSD2)	**Source: 25A3446-02**			Prepared: 01/20/2025 Analyzed: 01/25/2025						
Arsenic	28.0		1.11	mg/kg dry	27.9	2.44	91.6	75-125	4.00	20
Cadmium	2.65		0.111	mg/kg dry	2.79	0.257	85.6	75-125	3.42	20
Chromium	22.4	J1	0.559	mg/kg dry	13.9	9.57	91.9	75-125	34.1	20
Copper	525		11.1	mg/kg dry	586	11.6	87.5	75-125	6.67	20
Lead	22.6		0.559	mg/kg dry	13.9	9.88	91.0	75-125	8.56	20
Molybdenum	11.7		0.559	mg/kg dry	13.9	<0.559	84.2	75-125	2.20	20
Nickel	16.0	J1	0.559	mg/kg dry	13.9	4.09	85.6	75-125	21.8	20
Zinc	735		28.0	mg/kg dry	572	34.1	123	75-125	5.20	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2447 - SW-3050 for 6010 (Continued)										
Post Spike (BIA2447-PS1)		**Source: 25A3401-01**		Prepared: 01/20/2025 Analyzed: 01/25/2025						
Arsenic	552			ug/L	500	62.2	97.9	80-120		
Cadmium	54.7			ug/L	50.0	6.22	96.9	80-120		
Chromium	413			ug/L	250	166	98.5	80-120		
Copper	1470	J1		ug/L	500	724	148	80-120		
Lead	814	J1		ug/L	250	436	151	80-120		
Molybdenum	235			ug/L	250	13.1	88.6	80-120		
Nickel	356			ug/L	250	113	97.2	80-120		
Zinc	2570	J1		ug/L	250	1870	283	80-120		
Post Spike (BIA2447-PS2)		**Source: 25A3446-02**		Prepared: 01/20/2025 Analyzed: 01/25/2025						
Arsenic	504			ug/L	500	38.3	93.2	80-120		
Cadmium	50.8			ug/L	50.0	4.03	93.6	80-120		
Chromium	385			ug/L	250	150	94.0	80-120		
Copper	670			ug/L	500	183	97.4	80-120		
Lead	392			ug/L	250	155	94.8	80-120		
Molybdenum	214			ug/L	250	1.47	85.1	80-120		
Nickel	295			ug/L	250	64.3	92.2	80-120		
Zinc	866	J1		ug/L	250	536	132	80-120		
Dilution Check (BIA2447-SRL1)		**Source: 25A3401-01**		Prepared: 01/20/2025 Analyzed: 01/25/2025						
Arsenic	3.39	U	5.33	mg/kg dry		3.51			3.56	10
Cadmium	0.475	U	0.533	mg/kg dry		0.351			30.0	10
Chromium	9.88		2.68	mg/kg dry		9.40			4.95	10
Copper	41.9		5.33	mg/kg dry		40.9			2.46	10
Lead	25.2		2.68	mg/kg dry		24.6			2.15	10
Molybdenum	<2.68	U	2.68	mg/kg dry		<2.68			200	10
Nickel	6.42		2.68	mg/kg dry		6.36			0.966	10
Zinc	105		2.68	mg/kg dry		105			0.0642	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2447 - SW-3050 for 6010 (Continued)										
Dilution Check (BIA2447-SRL2)			**Source: 25A3446-02**		Prepared: 01/20/2025 Analyzed: 01/25/2025					
Arsenic	3.06	U	6.01	mg/kg dry		2.44			22.8	10
Cadmium	0.361	U	0.601	mg/kg dry		0.257			33.8	10
Chromium	10.1		3.01	mg/kg dry		9.57			5.28	10
Copper	12.7		6.01	mg/kg dry		11.6			8.75	10
Lead	10.4		3.01	mg/kg dry		9.88			5.18	10
Molybdenum	<3.01	U	3.01	mg/kg dry		<3.01				10
Nickel	4.02		3.01	mg/kg dry		4.09			1.78	10
Zinc	34.1		3.01	mg/kg dry		34.1			0.0693	10
Batch: BIA2592 - SW-7471										
MDL Check (BIA2592-MRL1)					Prepared & Analyzed: 01/22/2025					
Mercury	0.0114	U	0.0197	mg/kg wet	0.00987		116			
Matrix Spike (BIA2592-MS1)			**Source: 25A3401-01**		Prepared & Analyzed: 01/22/2025					
Mercury	0.340	J1	0.0232	mg/kg dry	0.145	0.244	66.6	80-120		
Matrix Spike (BIA2592-MS2)			**Source: 25A3539-01**		Prepared & Analyzed: 01/22/2025					
Mercury	0.302	J1	0.0121	mg/kg dry	0.152	0.0817	145	80-120		
Matrix Spike Dup (BIA2592-MSD1)			**Source: 25A3401-01**		Prepared & Analyzed: 01/22/2025					
Mercury	0.345	J1	0.0232	mg/kg dry	0.145	0.244	69.9	80-120	1.36	20
Matrix Spike Dup (BIA2592-MSD2)			**Source: 25A3539-01**		Prepared & Analyzed: 01/22/2025					
Mercury	0.281	J1	0.0122	mg/kg dry	0.152	0.0817	131	80-120	7.11	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2452 - Percent Solids										
Blank (BIA2452-BLK1)					Prepared: 01/20/2025 Analyzed: 01/21/2025					
% Solids	<0.100	U	0.100	%						
Duplicate (BIA2452-DUP1)		**Source: 25A3423-01**			Prepared: 01/20/2025 Analyzed: 01/21/2025					
% Solids	81.0		0.100	%		80.6			0.467	10
Duplicate (BIA2452-DUP2)		**Source: 25A3983-05**			Prepared: 01/20/2025 Analyzed: 01/21/2025					
% Solids	1.91		0.100	%		1.89			0.878	20
Reference (BIA2452-SRM1)					Prepared: 01/20/2025 Analyzed: 01/21/2025					
% Solids	0.350		0.100	%	0.338		104	86.1-114		
Batch: BIA2636 - pH										
LCS (BIA2636-BS1)					Prepared & Analyzed: 01/22/2025					
pH	6.89			pH Units @ 25 °C	6.86		100	98.6-101.4		
Duplicate (BIA2636-DUP1)		**Source: 25A3401-01**			Prepared & Analyzed: 01/22/2025					
pH	5.47	J1	0.100	pH Units @ 25 °C		5.59			2.17	200
Batch: BIA2758 - pH										
LCS (BIA2758-BS1)					Prepared & Analyzed: 01/23/2025					
pH	6.89			pH Units @ 25 °C	6.86		100	98.6-101.4		
Duplicate (BIA2758-DUP1)		**Source: 25A3389-02**			Prepared & Analyzed: 01/23/2025					
pH	7.07		0.100	pH Units @ 25 °C		6.96			1.57	200

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2682 - SW-5030										
Blank (BIA2682-BLK1)					Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	<0.00300	U	0.00300	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.00300	U	0.00300	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<0.00200	U	0.00200	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<0.0220	U	0.0220	mg/L						
Benzene	<0.00200	U	0.00200	mg/L						
Carbon tetrachloride	<0.00100	U	0.00100	mg/L						
Chlorobenzene	<0.00200	U	0.00200	mg/L						
Chloroform	<0.00200	U	0.00200	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.00200	U	0.00200	mg/L						
Trichloroethene (Trichloroethylene)	<0.00200	U	0.00200	mg/L						
Vinyl chloride (Chloroethene)	<0.00400	U	0.00400	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*49.5*	*ug/L*	*50.0*		*99.0*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*57.0*	*ug/L*	*50.0*		*114*	*70-130*		
Surrogate: Toluene-d8-surr			*53.5*	*ug/L*	*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*52.0*	*ug/L*	*50.0*		*104*	*70-130*		
LCS (BIA2682-BS1)					Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	0.0372	U	0.700	mg/L	0.0400		93.1	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0371	U	0.500	mg/L	0.0400		92.7	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0392	U	7.50	mg/L	0.0400		97.9	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.372	U	200	mg/L	0.400		93.1	70-130		
Benzene	0.0376	U	0.500	mg/L	0.0400		94.1	70-130		
Carbon tetrachloride	0.0370	U	0.500	mg/L	0.0400		92.6	70-130		
Chlorobenzene	0.0378	U	100	mg/L	0.0400		94.4	70-130		
Chloroform	0.0381	U	6.00	mg/L	0.0400		95.3	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0346	U	0.700	mg/L	0.0400		86.5	70-130		
Trichloroethene (Trichloroethylene)	0.0394	U	0.500	mg/L	0.0400		98.6	70-130		
Vinyl chloride (Chloroethene)	0.0345	U	0.200	mg/L	0.0400		86.3	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*49.7*	*ug/L*	*50.0*		*99.5*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*46.2*	*ug/L*	*50.0*		*92.4*	*70-130*		
Surrogate: Toluene-d8-surr			*51.1*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*48.6*	*ug/L*	*50.0*		*97.1*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2682 - SW-5030 (Continued)										
LCS Dup (BIA2682-BSD1)					Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	0.0406	U	0.700	mg/L	0.0400		101	70-130	8.62	30
1,2-Dichloroethane (Ethylene dichloride)	0.0397	U	0.500	mg/L	0.0400		99.2	70-130	6.83	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0412	U	7.50	mg/L	0.0400		103	70-130	4.99	30
2-Butanone (Methyl ethyl ketone, MEK)	0.404	U	200	mg/L	0.400		101	70-130	8.23	30
Benzene	0.0409	U	0.500	mg/L	0.0400		102	70-130	8.39	30
Carbon tetrachloride	0.0407	U	0.500	mg/L	0.0400		102	70-130	9.49	30
Chlorobenzene	0.0401	U	100	mg/L	0.0400		100	70-130	5.90	30
Chloroform	0.0406	U	6.00	mg/L	0.0400		102	70-130	6.36	30
Tetrachloroethylene (Perchloroethylene)	0.0421	U	0.700	mg/L	0.0400		105	70-130	19.7	30
Trichloroethene (Trichloroethylene)	0.0410	U	0.500	mg/L	0.0400		102	70-130	3.78	30
Vinyl chloride (Chloroethene)	0.0406	U	0.200	mg/L	0.0400		101	70-130	16.1	30
Surrogate: 1,2-Dichloroethane-d4-surr			*50.2*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*49.0*	*ug/L*	*50.0*		*98.1*	*70-130*		
Surrogate: Toluene-d8-surr			*49.6*	*ug/L*	*50.0*		*99.3*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*49.2*	*ug/L*	*50.0*		*98.4*	*70-130*		
BIA2586-BLK1 (BIA2682-LBK1)					Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	<0.00300	U	0.00300	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.00300	U	0.00300	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<0.00200	U	0.00200	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<0.0220	U	0.0220	mg/L						
Benzene	<0.00200	U	0.00200	mg/L						
Carbon tetrachloride	<0.00100	U	0.00100	mg/L						
Chlorobenzene	<0.00200	U	0.00200	mg/L						
Chloroform	<0.00200	U	0.00200	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.00200	U	0.00200	mg/L						
Trichloroethene (Trichloroethylene)	<0.00200	U	0.00200	mg/L						
Vinyl chloride (Chloroethene)	<0.00400	U	0.00400	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*56.4*	*ug/L*	*50.0*		*113*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*50.6*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8-surr			*50.5*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*58.7*	*ug/L*	*50.0*		*117*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2682 - SW-5030 (Continued)										
BIA2392-BLK1 (BIA2682-LBK2)					Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	<0.00300	U	0.00300	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.00300	U	0.00300	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<0.00200	U	0.00200	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<0.0220	U	0.0220	mg/L						
Benzene	<0.00200	U	0.00200	mg/L						
Carbon tetrachloride	<0.00100	U	0.00100	mg/L						
Chlorobenzene	<0.00200	U	0.00200	mg/L						
Chloroform	<0.00200	U	0.00200	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.00200	U	0.00200	mg/L						
Trichloroethene (Trichloroethylene)	<0.00200	U	0.00200	mg/L						
Vinyl chloride (Chloroethene)	<0.00400	U	0.00400	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*53.9*	*ug/L*	*50.0*		*108*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*48.3*	*ug/L*	*50.0*		*96.6*	*70-130*		
Surrogate: Toluene-d8-surr			*50.4*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*55.2*	*ug/L*	*50.0*		*110*	*70-130*		
Matrix Spike (BIA2682-MS1)	**Source: 25A3412-01**				Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	0.0586	U	0.700	mg/L	0.0500	<0.700	117	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0422	U	0.500	mg/L	0.0500	<0.500	84.3	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0429	U	7.50	mg/L	0.0500	<7.50	85.7	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.331	J1, U	200	mg/L	0.500	<200	66.3	70-130		
Benzene	0.0480	U	0.500	mg/L	0.0500	<0.500	96.0	70-130		
Carbon tetrachloride	0.0537	U	0.500	mg/L	0.0500	<0.500	107	70-130		
Chlorobenzene	0.0448	U	100	mg/L	0.0500	<100	89.5	70-130		
Chloroform	0.0432	U	6.00	mg/L	0.0500	<6.00	86.4	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0538	U	0.700	mg/L	0.0500	<0.700	108	70-130		
Trichloroethene (Trichloroethylene)	0.0479	U	0.500	mg/L	0.0500	<0.500	95.9	70-130		
Vinyl chloride (Chloroethene)	0.0876	J1, U	0.200	mg/L	0.0500	<0.200	175	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*52.4*	*ug/L*	*50.0*		*105*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*50.4*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8-surr			*48.1*	*ug/L*	*50.0*		*96.3*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*52.9*	*ug/L*	*50.0*		*106*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2682 - SW-5030 (Continued)										
Matrix Spike Dup (BIA2682-MSD1)		**Source: 25A3412-01**			Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	0.0480	U	0.700	mg/L	0.0500	<0.700	96.1	70-130	19.9	30
1,2-Dichloroethane (Ethylene dichloride)	0.0377	U	0.500	mg/L	0.0500	<0.500	75.5	70-130	11.0	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0377	U	7.50	mg/L	0.0500	<7.50	75.3	70-130	12.9	30
2-Butanone (Methyl ethyl ketone, MEK)	0.280	J1, U	200	mg/L	0.500	<200	55.9	70-130	16.9	30
Benzene	0.0426	U	0.500	mg/L	0.0500	<0.500	85.2	70-130	11.9	30
Carbon tetrachloride	0.0512	U	0.500	mg/L	0.0500	<0.500	102	70-130	4.66	30
Chlorobenzene	0.0404	U	100	mg/L	0.0500	<100	80.9	70-130	10.2	30
Chloroform	0.0387	U	6.00	mg/L	0.0500	<6.00	77.3	70-130	11.1	30
Tetrachloroethylene (Perchloroethylene)	0.0538	U	0.700	mg/L	0.0500	<0.700	108	70-130	0.0948	30
Trichloroethene (Trichloroethylene)	0.0426	U	0.500	mg/L	0.0500	<0.500	85.3	70-130	11.7	30
Vinyl chloride (Chloroethene)	0.0522	J1, U	0.200	mg/L	0.0500	<0.200	104	70-130	50.7	30
Surrogate: 1,2-Dichloroethane-d4-surr			*52.6*	*ug/L*	*50.0*		*105*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*51.5*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8-surr			*46.7*	*ug/L*	*50.0*		*93.4*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*53.1*	*ug/L*	*50.0*		*106*	*70-130*		
Batch: BIA2707 - SW-3511										
MB SV (BIA2707-BLK1)					Prepared: 01/23/2025 Analyzed: 01/24/2025					
2,4,5-Trichlorophenol	<0.00124	U	0.00124	mg/L						
2,4,6-Trichlorophenol	<0.00124	U	0.00124	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00124	U	0.00124	mg/L						
2-Methylphenol (o-Cresol)	<0.00124	U	0.00124	mg/L						
3,4-Methylphenol	<0.00124	U	0.00124	mg/L						
Hexachlorobenzene	<0.00124	U	0.00124	mg/L						
Hexachlorobutadiene	<0.00124	U	0.00124	mg/L						
Hexachloroethane	<0.00124	U	0.00124	mg/L						
Nitrobenzene	<0.00124	U	0.00124	mg/L						
Pentachlorophenol	<0.00124	U	0.00124	mg/L						
Pyridine	<0.00124	U	0.00124	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.00823*	*mg/L*	*0.00991*		*83.1*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0194*	*mg/L*	*0.0198*		*98.0*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0205*	*mg/L*	*0.0198*		*104*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00868*	*mg/L*	*0.00991*		*87.6*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0179*	*mg/L*	*0.0198*		*90.5*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00795*	*mg/L*	*0.00991*		*80.3*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2707 - SW-3511 (Continued)										
BS SV (BIA2707-BS1)				Prepared: 01/23/2025 Analyzed: 01/24/2025						
2,4,5-Trichlorophenol	0.0211	U	400	mg/L	0.0199		106	60-140		
2,4,6-Trichlorophenol	0.0210	U	2.00	mg/L	0.0199		105	60-140		
2,4-Dinitrotoluene (2,4-DNT)	0.0101	U	0.130	mg/L	0.00995		101	60-140		
2-Methylphenol (o-Cresol)	0.0181	U	200	mg/L	0.0199		91.0	60-140		
3,4-Methylphenol	0.0336	U	200	mg/L	0.0398		84.5	60-140		
Hexachlorobenzene	0.00830	U	0.130	mg/L	0.00995		83.4	60-140		
Hexachlorobutadiene	0.00662	U	0.500	mg/L	0.00995		66.6	60-140		
Hexachloroethane	0.00747	U	3.00	mg/L	0.00995		75.1	60-140		
Nitrobenzene	0.00954	U	2.00	mg/L	0.00995		95.9	60-140		
Pentachlorophenol	0.0208	U	100	mg/L	0.0199		105	36.8-149		
Pyridine	0.00799	U	5.00	mg/L	0.0498		16.1	2.5-101		
Surrogate: 2-Fluorobiphenyl-surr			*0.00840*	*mg/L*	*0.00995*		*84.4*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0198*	*mg/L*	*0.0199*		*99.4*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0179*	*mg/L*	*0.0199*		*90.0*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00865*	*mg/L*	*0.00995*		*86.9*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0183*	*mg/L*	*0.0199*		*92.2*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00836*	*mg/L*	*0.00995*		*84.0*	*51.9-147*		
BSD SV (BIA2707-BSD1)				Prepared: 01/23/2025 Analyzed: 01/24/2025						
2,4,5-Trichlorophenol	0.0222	U	400	mg/L	0.0199		112	60-140	5.10	40
2,4,6-Trichlorophenol	0.0209	U	2.00	mg/L	0.0199		105	60-140	0.590	40
2,4-Dinitrotoluene (2,4-DNT)	0.00958	U	0.130	mg/L	0.00994		96.4	60-140	4.89	40
2-Methylphenol (o-Cresol)	0.0179	U	200	mg/L	0.0199		90.2	60-140	1.06	40
3,4-Methylphenol	0.0346	U	200	mg/L	0.0398		87.1	60-140	2.93	40
Hexachlorobenzene	0.00874	U	0.130	mg/L	0.00994		87.9	60-140	5.11	40
Hexachlorobutadiene	0.00621	U	0.500	mg/L	0.00994		62.4	60-140	6.54	40
Hexachloroethane	0.00778	U	3.00	mg/L	0.00994		78.3	60-140	4.10	40
Nitrobenzene	0.00982	U	2.00	mg/L	0.00994		98.8	60-140	2.88	40
Pentachlorophenol	0.0215	U	100	mg/L	0.0199		108	36.8-149	3.17	40
Pyridine	0.0262	J1, U	5.00	mg/L	0.0497		52.8	2.5-101	107	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00892*	*mg/L*	*0.00994*		*89.8*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0214*	*mg/L*	*0.0199*		*108*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0180*	*mg/L*	*0.0199*		*90.4*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00933*	*mg/L*	*0.00994*		*93.9*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0188*	*mg/L*	*0.0199*		*94.7*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00824*	*mg/L*	*0.00994*		*82.9*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2707 - SW-3511 (Continued)										
BIA2391-BLK1 (BIA2707-LBK1)					Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4,5-Trichlorophenol	<0.00497	U	0.00497	mg/L						
2,4,6-Trichlorophenol	<0.00497	U	0.00497	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00497	U	0.00497	mg/L						
2-Methylphenol (o-Cresol)	<0.00497	U	0.00497	mg/L						
3,4-Methylphenol	0.00265	U	0.00497	mg/L						
Hexachlorobenzene	<0.00497	U	0.00497	mg/L						
Hexachlorobutadiene	<0.00497	U	0.00497	mg/L						
Hexachloroethane	<0.00497	U	0.00497	mg/L						
Nitrobenzene	<0.00497	U	0.00497	mg/L						
Pentachlorophenol	<0.00497	U	0.00497	mg/L						
Pyridine	<0.00497	U	0.00497	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0328*	*mg/L*	*0.0398*		*82.4*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0723*	*mg/L*	*0.0795*		*91.0*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0756*	*mg/L*	*0.0795*		*95.0*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0451*	*mg/L*	*0.0398*		*113*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0687*	*mg/L*	*0.0795*		*86.4*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0271*	*mg/L*	*0.0398*		*68.3*	*51.9-147*		
BIA2584-BLK1 (BIA2707-LBK2)					Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4,5-Trichlorophenol	<0.00495	U	0.00495	mg/L						
2,4,6-Trichlorophenol	<0.00495	U	0.00495	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00495	U	0.00495	mg/L						
2-Methylphenol (o-Cresol)	<0.00495	U	0.00495	mg/L						
3,4-Methylphenol	0.00251	U	0.00495	mg/L						
Hexachlorobenzene	<0.00495	U	0.00495	mg/L						
Hexachlorobutadiene	<0.00495	U	0.00495	mg/L						
Hexachloroethane	<0.00495	U	0.00495	mg/L						
Nitrobenzene	<0.00495	U	0.00495	mg/L						
Pentachlorophenol	<0.00495	U	0.00495	mg/L						
Pyridine	<0.00495	U	0.00495	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0337*	*mg/L*	*0.0396*		*85.2*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0775*	*mg/L*	*0.0792*		*97.8*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0750*	*mg/L*	*0.0792*		*94.7*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0390*	*mg/L*	*0.0396*		*98.5*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0693*	*mg/L*	*0.0792*		*87.4*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0267*	*mg/L*	*0.0396*		*67.3*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2707 - SW-3511 (Continued)										
25A3412-02 MS (BIA2707-MS1)			**Source: 25A3412-02**		Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4,5-Trichlorophenol	0.0855	U	400	mg/L	0.0798	<400	107	44.9-171		
2,4,6-Trichlorophenol	0.0760	U	2.00	mg/L	0.0798	<2.00	95.3	34.7-143		
2,4-Dinitrotoluene (2,4-DNT)	0.0426	U	0.130	mg/L	0.0399	<0.130	107	50.3-144		
2-Methylphenol (o-Cresol)	0.0818	U	200	mg/L	0.0798	<200	102	60-140		
3,4-Methylphenol	0.142	U	200	mg/L	0.160	0.00267	87.1	43.4-188		
Hexachlorobenzene	0.0358	U	0.130	mg/L	0.0399	<0.130	89.7	56.1-137		
Hexachlorobutadiene	0.0296	U	0.500	mg/L	0.0399	<0.500	74.2	33.1-110		
Hexachloroethane	0.0287	U	3.00	mg/L	0.0399	<3.00	71.9	36.2-106		
Nitrobenzene	0.0487	U	2.00	mg/L	0.0399	<2.00	122	54.9-156		
Pentachlorophenol	0.0935	U	100	mg/L	0.0798	<100	117	42.2-151		
Pyridine	0.0859	U	5.00	mg/L	0.199	<5.00	43.1	2-87.4		
Surrogate: 2-Fluorobiphenyl-surr			*0.0366*	*mg/L*	*0.0399*		*91.9*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0860*	*mg/L*	*0.0798*		*108*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0798*	*mg/L*	*0.0798*		*100*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0428*	*mg/L*	*0.0399*		*107*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0875*	*mg/L*	*0.0798*		*110*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0366*	*mg/L*	*0.0399*		*91.7*	*51.9-147*		
25A3412-02 MSD (BIA2707-MSD1)			**Source: 25A3412-02**		Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4,5-Trichlorophenol	0.0808	U	400	mg/L	0.0794	<400	102	44.9-171	5.64	40
2,4,6-Trichlorophenol	0.0792	U	2.00	mg/L	0.0794	<2.00	99.8	34.7-143	4.17	40
2,4-Dinitrotoluene (2,4-DNT)	0.0440	U	0.130	mg/L	0.0397	<0.130	111	50.3-144	3.27	40
2-Methylphenol (o-Cresol)	0.0783	U	200	mg/L	0.0794	<200	98.7	60-140	4.29	40
3,4-Methylphenol	0.147	L, U	200	mg/L	0.159	0.00267	90.7	43.4-188	3.49	40
Hexachlorobenzene	0.0338	U	0.130	mg/L	0.0397	<0.130	85.1	56.1-137	5.72	40
Hexachlorobutadiene	0.0307	U	0.500	mg/L	0.0397	<0.500	77.4	33.1-110	3.74	40
Hexachloroethane	0.0315	U	3.00	mg/L	0.0397	<3.00	79.3	36.2-106	9.29	40
Nitrobenzene	0.0446	U	2.00	mg/L	0.0397	<2.00	112	54.9-156	8.79	40
Pentachlorophenol	0.0941	U	100	mg/L	0.0794	<100	119	42.2-151	0.628	40
Pyridine	0.0746	U	5.00	mg/L	0.198	<5.00	37.6	2-87.4	14.1	40
Surrogate: 2-Fluorobiphenyl-surr			*0.0346*	*mg/L*	*0.0397*		*87.3*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0757*	*mg/L*	*0.0794*		*95.3*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0772*	*mg/L*	*0.0794*		*97.3*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0388*	*mg/L*	*0.0397*		*97.9*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0821*	*mg/L*	*0.0794*		*103*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0356*	*mg/L*	*0.0397*		*89.7*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2709 - EPA 200.2 TCLP										
Blank (BIA2709-BLK1)				Prepared: 01/23/2025 Analyzed: 01/24/2025						
Barium	<100	U	100	mg/L						
Chromium	<5.00	U	5.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						
Blank (BIA2709-BLK2)				Prepared: 01/23/2025 Analyzed: 01/29/2025						
Arsenic	<5.00	U	5.00	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
LCS (BIA2709-BS1)				Prepared: 01/23/2025 Analyzed: 01/24/2025						
Barium	0.546	U	100	mg/L	0.500		109	80-120		
Chromium	0.270	U	5.00	mg/L	0.250		108	80-120		
Lead	0.272	U	5.00	mg/L	0.250		109	80-120		
Selenium	0.548	U	1.00	mg/L	0.500		110	80-120		
Silver	0.0538	U	5.00	mg/L	0.0500		108	80-120		
LCS (BIA2709-BS2)				Prepared: 01/23/2025 Analyzed: 01/29/2025						
Arsenic	0.518	U	5.00	mg/L	0.500		104	80-120		
Cadmium	0.0520	U	1.00	mg/L	0.0500		104	80-120		
Duplicate (BIA2709-DUP1)		**Source: 25A3468-01**		Prepared: 01/23/2025 Analyzed: 01/24/2025						
Barium	0.439	U	100	mg/L		0.465			5.88	20
Chromium	0.00131	U	5.00	mg/L		<5.00			200	20
Lead	<5.00	U	5.00	mg/L		<5.00				20
Selenium	<1.00	U	1.00	mg/L		<1.00				20
Silver	<5.00	U	5.00	mg/L		<5.00				20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2709 - EPA 200.2 TCLP (Continued)										
Duplicate (BIA2709-DUP2)		**Source: 25A3468-01**			Prepared: 01/23/2025 Analyzed: 01/29/2025					
Arsenic	0.00518	U	5.00	mg/L		0.00689			28.3	20
Cadmium	<1.00	U	1.00	mg/L		<1.00				20
BIA2391-lbk1 (BIA2709-LBK1)					Prepared: 01/23/2025 Analyzed: 01/24/2025					
Barium	0.0452	U	100	mg/L						
Chromium	0.00292	U	5.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						
BIA2391-lbk1 (BIA2709-LBK2)					Prepared: 01/23/2025 Analyzed: 01/29/2025					
Arsenic	0.00796	U	5.00	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Matrix Spike (BIA2709-MS1)		**Source: 25A3468-01**			Prepared: 01/23/2025 Analyzed: 01/24/2025					
Barium	0.957	U	100	mg/L	0.500	0.465	98.4	75-125		
Chromium	0.253	U	5.00	mg/L	0.250	<5.00	101	75-125		
Lead	0.252	U	5.00	mg/L	0.250	<5.00	101	75-125		
Selenium	0.543	U	1.00	mg/L	0.500	<1.00	109	75-125		
Silver	0.0443	U	5.00	mg/L	0.0500	<5.00	88.6	75-125		
Matrix Spike (BIA2709-MS2)		**Source: 25A3468-01**			Prepared: 01/23/2025 Analyzed: 01/29/2025					
Arsenic	0.541	U	5.00	mg/L	0.500	0.00689	107	75-125		
Cadmium	0.0524	U	1.00	mg/L	0.0500	<1.00	105	75-125		
Post Spike (BIA2709-PS1)		**Source: 25A3468-01**			Prepared: 01/23/2025 Analyzed: 01/24/2025					
Barium	967			ug/L	500	454	103	80-120		
Chromium	254			ug/L	250	1.20	101	80-120		
Lead	250			ug/L	250	-1.98	99.8	80-120		
Selenium	541			ug/L	500	2.64	108	80-120		
Silver	55.0			ug/L	50.0	-0.341	110	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2709 - EPA 200.2 TCLP (Continued)										
Post Spike (BIA2709-PS2)		**Source: 25A3468-01**		Prepared: 01/23/2025 Analyzed: 01/29/2025						
Arsenic	547			ug/L	500	6.72	108	80-120		
Cadmium	52.8			ug/L	50.0	-0.0292	106	80-120		
Dilution Check (BIA2709-SRL1)		**Source: 25A3468-01**		Prepared: 01/23/2025 Analyzed: 01/24/2025						
Barium	0.449	U	100	mg/L		0.465			3.62	10
Chromium	<5.00	U	5.00	mg/L		<5.00				10
Lead	<5.00	U	5.00	mg/L		<5.00				10
Selenium	<1.00	U	1.00	mg/L		<1.00				10
Silver	<5.00	U	5.00	mg/L		<5.00				10
Dilution Check (BIA2709-SRL2)		**Source: 25A3468-01**		Prepared: 01/23/2025 Analyzed: 01/29/2025						
Arsenic	<5.00	U	5.00	mg/L		<5.00			200	10
Cadmium	<1.00	U	1.00	mg/L		<1.00				10
Batch: BIA2773 - SW-3511										
Blank (BIA2773-BLK1)				Prepared: 01/23/2025 Analyzed: 01/25/2025						
2,4-D	<0.000119	U	0.000119	mg/L						
Silvex (2,4,5-TP)	<0.000119	U	0.000119	mg/L						
Surrogate: DCAA-surr		*S*	*0.0351*	*mg/L*	*0.0250*		*140*	*70-130*		
LCS (BIA2773-BS1)				Prepared: 01/23/2025 Analyzed: 01/25/2025						
2,4-D	0.00701	J1, U	10.0	mg/L	0.00515		136	70-130		
Silvex (2,4,5-TP)	0.00553	U	1.00	mg/L	0.00500		111	70-130		
Surrogate: DCAA-surr		*S*	*0.0351*	*mg/L*	*0.0250*		*140*	*70-130*		
LCS Dup (BIA2773-BSD1)				Prepared: 01/23/2025 Analyzed: 01/25/2025						
2,4-D	0.00658	U	10.0	mg/L	0.00514		128	70-130	6	30
Silvex (2,4,5-TP)	0.00521	U	1.00	mg/L	0.00500		104	70-130	6	30
Surrogate: DCAA-surr			*0.0322*	*mg/L*	*0.0250*		*129*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2773 - SW-3511 (Continued)										
BIA2391-BLK1 (BIA2773-LBK1)					Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4-D	<0.000476	U	0.000476	mg/L						
Silvex (2,4,5-TP)	<0.000476	U	0.000476	mg/L						
Surrogate: DCAA-surr		*S*	*0.138*	*mg/L*	*0.0999*		*138*	*70-130*		
BIA2584-BLK1 (BIA2773-LBK2)					Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4-D	<0.000475	U	0.000475	mg/L						
Silvex (2,4,5-TP)	<0.000475	U	0.000475	mg/L						
Surrogate: DCAA-surr		*S*	*0.140*	*mg/L*	*0.0998*		*140*	*70-130*		
Matrix Spike (BIA2773-MS1)		**Source: 25A3401-01**			Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4-D	0.0286	J1, U	10.0	mg/L	0.0206	<10.0	139	70-130		
Silvex (2,4,5-TP)	0.0221	U	1.00	mg/L	0.0200	<1.00	111	70-130		
Surrogate: DCAA-surr			*0.123*	*mg/L*	*0.0999*		*123*	*70-130*		
Matrix Spike Dup (BIA2773-MSD1)		**Source: 25A3401-01**			Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4-D	0.0313	J1, U	10.0	mg/L	0.0205	<10.0	152	70-130	9	30
Silvex (2,4,5-TP)	0.0232	U	1.00	mg/L	0.0199	<1.00	116	70-130	5	30
Surrogate: DCAA-surr		*S*	*0.152*	*mg/L*	*0.0997*		*152*	*70-130*		
Batch: BIA2813 - SW-3511										
Blank (BIA2813-BLK1)					Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	<1.19E-6	U	1.19E-6	mg/L						
cis-Chlordane (alpha-Chlordane)	<1.19E-6	U	1.19E-6	mg/L						
Endrin	<1.19E-6	U	1.19E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<1.19E-6	U	1.19E-6	mg/L						
gamma-Chlordane	<1.19E-6	U	1.19E-6	mg/L						
Heptachlor	<1.19E-6	U	1.19E-6	mg/L						
Heptachlor epoxide	<1.19E-6	U	1.19E-6	mg/L						
Methoxychlor	<1.19E-6	U	1.19E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<1.19E-6	U	1.19E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.18E-5*	*mg/L*	*0.000119*		*60.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000127*	*mg/L*	*0.000119*		*107*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2813 - SW-3511 (Continued)										
LCS (BIA2813-BS1)					Prepared & Analyzed: 01/23/2025					
Toxaphene (Chlorinated Camphene)	0.000930	U	0.500	mg/L	0.00119		78.1	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*8.20E-5*	*mg/L*	*0.000119*		*68.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*9.49E-5*	*mg/L*	*0.000119*		*79.7*	*60-140*		
LCS (BIA2813-BS2)					Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	0.000391	U	0.0300	mg/L	0.000477		81.9	60-140		
Endrin	9.62E-5	U	0.0200	mg/L	0.000119		80.7	60-140		
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	8.96E-5	U	0.400	mg/L	0.000119		75.2	60-140		
Heptachlor	9.14E-5	U	0.00800	mg/L	0.000119		76.7	60-140		
Heptachlor epoxide	9.77E-5	U	0.00800	mg/L	0.000119		82.0	60-140		
Methoxychlor	0.000101	U	10.0	mg/L	0.000119		84.4	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.80E-5*	*mg/L*	*0.000119*		*65.4*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000114*	*mg/L*	*0.000119*		*95.8*	*60-140*		
LCS Dup (BIA2813-BSD1)					Prepared & Analyzed: 01/23/2025					
Toxaphene (Chlorinated Camphene)	0.000833	U	0.500	mg/L	0.00119		70.2	60-140	11.0	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.57E-5*	*mg/L*	*0.000119*		*63.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*8.41E-5*	*mg/L*	*0.000119*		*70.8*	*60-140*		
LCS Dup (BIA2813-BSD2)					Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	0.000367	U	0.0300	mg/L	0.000473		77.6	60-140	6.40	40
Endrin	0.000101	U	0.0200	mg/L	0.000118		85.7	60-140	5.07	40
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	8.64E-5	U	0.400	mg/L	0.000118		73.1	60-140	3.71	40
Heptachlor	7.82E-5	U	0.00800	mg/L	0.000118		66.2	60-140	15.6	40
Heptachlor epoxide	9.21E-5	U	0.00800	mg/L	0.000118		77.9	60-140	5.99	40
Methoxychlor	0.000113	U	10.0	mg/L	0.000118		95.4	60-140	11.4	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.58E-5*	*mg/L*	*0.000118*		*64.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000103*	*mg/L*	*0.000118*		*87.5*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2813 - SW-3511 (Continued)										
BIA2391-BLK1 (BIA2813-LBK1)					Prepared: 01/23/2025 Analyzed: 01/24/2025					
Chlordane (Total)	<0.0300	U	0.0300	mg/L						
Endrin	<5.96E-6	U	5.96E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<5.96E-6	U	5.96E-6	mg/L						
Heptachlor	<5.96E-6	U	5.96E-6	mg/L						
Heptachlor epoxide	<5.96E-6	U	5.96E-6	mg/L						
Methoxychlor	<5.96E-6	U	5.96E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<5.96E-6	U	5.96E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000400*	*mg/L*	*0.000596*		*67.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*0.000262*	*mg/L*	*0.000596*		*43.9*	*60-140*		
BIA2584-BLK1 (BIA2813-LBK2)					Prepared: 01/23/2025 Analyzed: 01/24/2025					
Chlordane (Total)	<5.99E-6	U	5.99E-6	mg/L						
Endrin	<5.99E-6	U	5.99E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<5.99E-6	U	5.99E-6	mg/L						
Heptachlor	<5.99E-6	U	5.99E-6	mg/L						
Heptachlor epoxide	<5.99E-6	U	5.99E-6	mg/L						
Methoxychlor	<5.99E-6	U	5.99E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<5.99E-6	U	5.99E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000396*	*mg/L*	*0.000599*		*66.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*0.000265*	*mg/L*	*0.000599*		*44.2*	*60-140*		
MRL Check (BIA2813-MRL1)					Prepared & Analyzed: 01/23/2025					
Toxaphene (Chlorinated Camphene)	0.000232	U	0.500	mg/L	0.000296		78.4			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr		*S*	*6.52E-5*	*mg/L*	*0.000118*		*55.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000118*	*mg/L*	*0.000118*		*99.2*	*60-140*		
MRL Check (BIA2813-MRL2)					Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	2.86E-5	U	0.0300	mg/L	4.76E-5		60.0			
Endrin	7.53E-6	U	0.0200	mg/L	1.19E-5		63.2			
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	7.11E-6	U	0.400	mg/L	1.19E-5		59.7			
Heptachlor	6.22E-6	U	0.00800	mg/L	1.19E-5		52.2			
Heptachlor epoxide	7.28E-6	U	0.00800	mg/L	1.19E-5		61.1			
Methoxychlor	7.84E-6	U	10.0	mg/L	1.19E-5		65.9			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.44E-5*	*mg/L*	*0.000119*		*62.5*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*9.36E-5*	*mg/L*	*0.000119*		*78.6*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2813 - SW-3511 (Continued)										
Matrix Spike (BIA2813-MS1)		**Source: 25A3468-01**			Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	0.00176	U	0.0300	mg/L	0.00240	<0.0300	73.4	60-140		
Endrin	0.000466	U	0.0200	mg/L	0.000599	<0.0200	77.8	60-140		
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000415	U	0.400	mg/L	0.000599	<0.400	69.2	60-140		
Heptachlor	0.000392	U	0.00800	mg/L	0.000599	<0.00800	65.5	60-140		
Heptachlor epoxide	0.000446	U	0.00800	mg/L	0.000599	<0.00800	74.5	60-140		
Methoxychlor	0.000530	U	10.0	mg/L	0.000599	<10.0	88.5	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr		*S*	*0.000295*	*mg/L*	*0.000599*		*49.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000405*	*mg/L*	*0.000599*		*67.7*	*60-140*		
Matrix Spike Dup (BIA2813-MSD1)		**Source: 25A3468-01**			Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	0.00186	U	0.0300	mg/L	0.00240	<0.0300	77.5	60-140	5.66	40
Endrin	0.000479	U	0.0200	mg/L	0.000600	<0.0200	79.8	60-140	2.70	40
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000411	U	0.400	mg/L	0.000600	<0.400	68.5	60-140	0.944	40
Heptachlor	0.000400	U	0.00800	mg/L	0.000600	<0.00800	66.6	60-140	1.90	40
Heptachlor epoxide	0.000489	U	0.00800	mg/L	0.000600	<0.00800	81.5	60-140	9.13	40
Methoxychlor	0.000582	U	10.0	mg/L	0.000600	<10.0	97.0	60-140	9.36	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr		*S*	*0.000308*	*mg/L*	*0.000600*		*51.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000483*	*mg/L*	*0.000600*		*80.6*	*60-140*		
Batch: BIA2862 - SW-7471 TCLP										
Duplicate (BIA2862-DUP1)		**Source: 25A3468-01**			Prepared & Analyzed: 01/24/2025					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
Duplicate (BIA2862-DUP2)		**Source: 25A3613-01**			Prepared & Analyzed: 01/24/2025					
Mercury	<0.200	U	0.200	mg/L		<0.200				200

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2862 - SW-7471 TCLP (Continued)										
BIA2391-BLK1 (BIA2862-LBK1)					Prepared & Analyzed: 01/24/2025					
Mercury	<0.200	U	0.200	mg/L						
MDL Check (BIA2862-MRL1)					Prepared & Analyzed: 01/24/2025					
Mercury	0.000244	U	0.200	mg/L	0.000200		122			
Matrix Spike (BIA2862-MS1)		**Source: 25A3468-01**			Prepared & Analyzed: 01/24/2025					
Mercury	0.00490	U	0.200	mg/L	0.00500	<0.200	98.0	80-120		
Matrix Spike (BIA2862-MS2)		**Source: 25A3613-01**			Prepared & Analyzed: 01/24/2025					
Mercury	0.00523	U	0.200	mg/L	0.00500	<0.200	105	80-120		
Batch: BIA2894 - EPA 200.2 TCLP										
Blank (BIA2894-BLK1)					Prepared: 01/24/2025 Analyzed: 01/27/2025					
Arsenic	<5.00	U	5.00	mg/L						
Barium	<100	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Chromium	<5.00	U	5.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						
LCS (BIA2894-BS1)					Prepared: 01/24/2025 Analyzed: 01/27/2025					
Arsenic	0.512	U	5.00	mg/L	0.500		102	80-120		
Barium	0.508	U	100	mg/L	0.500		102	80-120		
Cadmium	0.0510	U	1.00	mg/L	0.0500		102	80-120		
Chromium	0.254	U	5.00	mg/L	0.250		102	80-120		
Lead	0.252	U	5.00	mg/L	0.250		101	80-120		
Selenium	0.510	U	1.00	mg/L	0.500		102	80-120		
Silver	0.0518	U	5.00	mg/L	0.0500		104	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2894 - EPA 200.2 TCLP (Continued)										
Duplicate (BIA2894-DUP1)		**Source: 25A3613-02**		Prepared: 01/24/2025 Analyzed: 01/27/2025						
Arsenic	0.0122	U	5.00	mg/L		0.0121			0.905	20
Barium	0.278	U	100	mg/L		0.296			6.26	20
Cadmium	0.000730	U	1.00	mg/L		0.00104			35.0	20
Chromium	0.00573	U	5.00	mg/L		0.00652			12.9	20
Lead	<5.00	U	5.00	mg/L		0.00559			200	20
Selenium	<1.00	U	1.00	mg/L		<1.00				20
Silver	<5.00	U	5.00	mg/L		<5.00				20
BIA2584-LBK1 (BIA2894-LBK1)				Prepared: 01/24/2025 Analyzed: 01/27/2025						
Arsenic	0.00580	U	5.00	mg/L						
Barium	0.0174	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Chromium	0.00269	U	5.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						
Matrix Spike (BIA2894-MS1)		**Source: 25A3613-02**		Prepared: 01/24/2025 Analyzed: 01/27/2025						
Arsenic	0.525	U	5.00	mg/L	0.500	0.0121	103	75-125		
Barium	0.798	U	100	mg/L	0.500	0.296	100	75-125		
Cadmium	0.0524	U	1.00	mg/L	0.0500	0.00104	103	75-125		
Chromium	0.253	U	5.00	mg/L	0.250	0.00652	98.4	75-125		
Lead	0.239	U	5.00	mg/L	0.250	0.00559	93.4	75-125		
Selenium	0.517	U	1.00	mg/L	0.500	<1.00	103	75-125		
Silver	0.0550	U	5.00	mg/L	0.0500	<5.00	110	75-125		
Post Spike (BIA2894-PS1)		**Source: 25A3613-02**		Prepared: 01/24/2025 Analyzed: 01/27/2025						
Arsenic	462			ug/L	500	11.8	90.0	80-120		
Barium	708			ug/L	500	289	83.8	80-120		
Cadmium	45.4			ug/L	50.0	1.01	88.9	80-120		
Chromium	210			ug/L	250	6.36	81.4	80-120		
Lead	209			ug/L	250	5.45	81.3	80-120		
Selenium	460			ug/L	500	2.49	91.4	80-120		
Silver	48.0			ug/L	50.0	0.741	94.6	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2894 - EPA 200.2 TCLP (Continued)										
Dilution Check (BIA2894-SRL1)			**Source: 25A3613-02**		Prepared: 01/24/2025 Analyzed: 01/27/2025					
Arsenic	<5.00	U	5.00	mg/L		<5.00			200	10
Barium	0.312	U	100	mg/L		0.296			5.24	10
Cadmium	<1.00	U	1.00	mg/L		<1.00			200	10
Chromium	<5.00	U	5.00	mg/L		<5.00			200	10
Lead	<5.00	U	5.00	mg/L		<5.00			200	10
Selenium	<1.00	U	1.00	mg/L		<1.00				10
Silver	<5.00	U	5.00	mg/L		<5.00				10
Batch: BIA3398 - SW-3511										
Blank (BIA3398-BLK1)					Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	<0.000119	U	0.000119	mg/L						
Silvex (2,4,5-TP)	<0.000119	U	0.000119	mg/L						
Surrogate: DCAA-surr			*0.0290*	*mg/L*	*0.0250*		*116*	*70-130*		
LCS (BIA3398-BS1)					Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	0.00498	U	10.0	mg/L	0.00514		97	70-130		
Silvex (2,4,5-TP)	0.00414	U	1.00	mg/L	0.00499		83	70-130		
Surrogate: DCAA-surr			*0.0303*	*mg/L*	*0.0250*		*121*	*70-130*		
LCS Dup (BIA3398-BSD1)					Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	0.00479	U	10.0	mg/L	0.00514		93	70-130	4	30
Silvex (2,4,5-TP)	0.00398	U	1.00	mg/L	0.00499		80	70-130	4	30
Surrogate: DCAA-surr			*0.0296*	*mg/L*	*0.0250*		*119*	*70-130*		
BIA2763-BLK1 (BIA3398-LBK1)					Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	<0.000475	U	0.000475	mg/L						
Silvex (2,4,5-TP)	<0.000475	U	0.000475	mg/L						
Surrogate: DCAA-surr		*S*	*0.140*	*mg/L*	*0.0997*		*141*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3398 - SW-3511 (Continued)										
BIA2889-BLK1 (BIA3398-LBK2)				Prepared: 01/28/2025 Analyzed: 01/29/2025						
2,4-D	<0.000475	U	0.000475	mg/L						
Silvex (2,4,5-TP)	<0.000475	U	0.000475	mg/L						
Surrogate: DCAA-surr		*S*	*0.149*	*mg/L*	*0.0998*		*150*	*70-130*		
Matrix Spike (BIA3398-MS1)		**Source: 25A3389-01**		Prepared: 01/28/2025 Analyzed: 01/29/2025						
2,4-D	0.0203	U	10.0	mg/L	0.0206	0.000545	96	70-130		
Silvex (2,4,5-TP)	0.0165	U	1.00	mg/L	0.0200	<1.00	83	70-130		
Surrogate: DCAA-surr		*S*	*0.134*	*mg/L*	*0.0998*		*134*	*70-130*		
Matrix Spike Dup (BIA3398-MSD1)		**Source: 25A3389-01**		Prepared: 01/28/2025 Analyzed: 01/29/2025						
2,4-D	0.0199	U	10.0	mg/L	0.0206	0.000545	94	70-130	2	30
Silvex (2,4,5-TP)	0.0160	U	1.00	mg/L	0.0200	<1.00	80	70-130	3	30
Surrogate: DCAA-surr			*0.119*	*mg/L*	*0.100*		*119*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Sample Condition Checklist

Work Order: 25A3539

	Check Points
No	Custody Seals
No	Containers Intact
No	COC/Labels Agree
No	Received On Ice
No	Appropriate Containers
No	Appropriate Sample Volume
No	Coolers Intact
No	Samples Accepted

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:16

Term and Qualifier Definitions

Item	Definition
C+	The associated calibration QC is higher than the established quality control criteria for accuracy - no hit in sample; data not affected and acceptable to report.
H	The parameter was analyzed outside the method specified holding time.
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
L	Off scale high - The concentration of the analyte exceeds the linear range.
S	The surrogate recovery was outside the established laboratory recovery limit.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A3539

K3BMI Kendall Smith 9458 FM 362 Brookshire, TX 77423 Phone: (281) 375-5778	**Project Name** : Permit 4518 - Annual Soil Sample - 1C - Composited **Project Comments:**	**Schedule Comments**

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
25A3539-01	0 - 6 Inch Composite	1-15-25 3:00 pm	1-15-25 3:50 pm	S Composite	A HDPE MET 250mL B HDPE MET 250mL C Glass 250mL w/ Teflon-lined Lid D HDPE 250mL E Glass VOA 40mL F Glass VOA 40mL G Glass VOA 40mL H Glass Wide 1L w/ Teflon-lined Lid I HDPE 250mL J Glass VOA 60mL Protocol A	Arsenic ICP 6010	4°C	
						Arsenic ICP TCLP	4°C	
						Barium ICP TCLP	4°C	
						Cadmium ICP 6010	4°C	
						Cadmium ICP TCLP	4°C	
						Chromium ICP 6010	4°C	
						Chromium ICP TCLP	4°C	
						Copper ICP 6010	4°C	
						Hg-7471	4°C	
						Hg-7471-TCLP	4°C	
						Lead ICP 6010	4°C	
						Lead ICP TCLP	4°C	
						Molybdenum ICP 6010	4°C	
						Nickel ICP 6010	4°C	
						Selenium ICP TCLP	4°C	
						Silver ICP TCLP	4°C	
						Zinc ICP 6010	4°C	
						HERB-TCLP	4°C	
						OCP-8081-TCLP	4°C	
						PCB-8082	4°C	
						SVOA-TCLP	4°C	
						TCLP Bottle	4°C	
						TCLP ZHE	4°C	
						VOA-TCLP	4°C	
						pH-9045	4°C	
						TS-2540 G	4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A3539

K3BMI Kendall Smith 9458 FM 362 Brookshire, TX 77423 Phone: (281) 375-5778	**Project Name** : Permit 4518 - Annual Soil Sample - ~~1C~~ F1 - Composited **Project Comments:**

Schedule Comments:

25A3539-02	6 - 24 inch Composite	1-15-25	1-15-25	S Composite	A HDPE MET 250mL B HDPE MET 250mL C Glass 250mL w/ Teflon-lined Lid D HDPE 250mL	Arsenic ICP 6010 4°C Arsenic ICP TCLP 4°C Barium ICP TCLP 4°C Cadmium ICP 6010 4°C Cadmium ICP TCLP 4°C	
		3:00PM	3:50PM		E Glass VOA 40mL F Glass VOA 40mL G Glass VOA 40mL H Glass Wide 1L w/ Teflon-lined Lid I HDPE 250mL J Glass VOA 60mL Protocol A	Chromium ICP 6010 4°C Chromium ICP TCLP 4°C Copper ICP 6010 4°C Hg-7471 4°C Hg-7471-TCLP 4°C Lead ICP 6010 4°C Lead ICP TCLP 4°C Molybdenum ICP 6010 4°C Nickel ICP 6010 4°C Selenium ICP TCLP 4°C Silver ICP TCLP 4°C Zinc ICP 6010 4°C HERB-TCLP 4°C OCP-8081-TCLP 4°C PCB-8082 4°C SVOA-TCLP 4°C TCLP Bottle 4°C TCLP ZHE 4°C VOA-TCLP 4°C pH-9045 4°C TS-2540 G 4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00186

25A3539

(Continued)

K3BMI Kendall Smith 9458 FM 362 Brookshire, TX 77423 Phone: (281) 375-5778	**Project Name** : Permit 4518 - Annual Soil Sample - 10 - Composited	**Schedule Comments:**
	Project Comments:	

Field Remarks:			**Preservation:** (Circle and Write ID) H2SO4 HNO3 NaOH Other:		
Sampler (Signature): KSmith	Relinquished By: (Signature) KSmith		Date/Time 10:10 1-17-25	Received By: (Signature)	Date/Time 1-17-25/1010
Print Name: Kendall Smith	Relinquished By: (Signature)		Date/Time	Received By: (Signature)	Date/Time
Affiliation	Relinquished To Lab By: (Signature)		Date/Time 1-17-25/1600	Received for Laboratory By: (Signature)	Date/Time 1600 1-17-25

Custody Seal : Yes / No	COC Labels Agree: Yes / No	Appropriate Volume: Yes / No	Received on Ice: Yes / No	Temperature:	°C
Container Intact : Yes / No	Appropriate Containers: Yes / No	Coolers Intact: Yes / No	Samples Accepted: Yes / No	Thermometer ID:	

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com

February 20, 2025

Laboratory Report

Kendall Smith
K3BMI
9458 FM 362
Brookshire, TX 77423

Report ID: 20250220133410RLR

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Rebecca Rabon
Assistant Project Manager

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Sample Results

Client Sample ID: 0 - 6 inch Composite
Lab Sample ID: 25A3540-01
Permit 4518 - Annual Soil Sample - F2 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/15/2025 16:40
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Organics by GC											
SW-8082	PCBs, Total	A	<7.10	U, TV	ug/kg dry	10	0.202	7.10	BIA2708	01/29/2025 07:22	SHU
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*98.7%*		*60-140*					*01/29/2025 07:22*	
SW-8082	*Surrogate: Decachlorobiphenyl-surr*		*77.9%*		*60-140*					*01/29/2025 07:22*	
Metals, Total											
SW-6010C	Arsenic	A	3.39		mg/kg dry	1	0.249	1.13	BIA2783	01/30/2025 10:47	JBM
SW-6010C	Cadmium	A	<0.113	U, TV	mg/kg dry	1	0.0294	0.113	BIA2783	01/30/2025 10:47	JBM
SW-6010C	Chromium	A	19.2		mg/kg dry	1	0.425	0.568	BIA2783	01/30/2025 10:47	TBB
SW-6010C	Copper	A	32.4		mg/kg dry	1	0.121	1.13	BIA2783	01/30/2025 10:47	JBM
SW-7471B	Mercury	A	0.0553		mg/kg dry	1	0.00590	0.0118	BIA2702	01/23/2025 15:04	KSI
SW-6010C	Lead	A	8.69		mg/kg dry	1	0.289	0.568	BIA2783	01/30/2025 10:47	JBM
SW-6010C	Molybdenum	A	0.681		mg/kg dry	1	0.568	0.568	BIA2783	01/30/2025 10:47	JBM
SW-6010C	Nickel	A	2.72		mg/kg dry	1	0.153	0.568	BIA2783	01/30/2025 10:47	JBM
SW-6010C	Zinc	A	93.8		mg/kg dry	10	5.68	5.68	BIA2783	01/30/2025 16:11	JBM
General Chemistry											
SW-9045C	pH	A	7.01	H, TV	pH Units @ 25 °C	1		0.0958	BIA2899	01/24/2025 09:39	FPN
SM 2540 G	% Solids	A	84.1		%	1	0.100	0.100	BIA2632	01/23/2025 09:04	BP
TCLP											
SW-6010C	Arsenic	A	<5.00	U, TV	mg/L	1	0.00367	5.00	BIA2898	01/28/2025 18:00	AKR
SW-6010C	Barium	A	<100	U, TV	mg/L	1	0.00125	100	BIA2898	01/28/2025 18:00	AKR
SW-6010C	Cadmium	A	<1.00	U, TV	mg/L	1	0.000423	1.00	BIA2898	01/29/2025 16:49	JKC
SW-6010C	Chromium	A	<5.00	U, TV	mg/L	1	0.00131	5.00	BIA2898	01/28/2025 18:00	AKR
SW-8151	2,4-D	A	<10.0	U, TV	mg/L	2	0.000476	10.0	BIA3398	01/29/2025 09:54	KRB
SW-8151	Silvex (2,4,5-TP)	A	<1.00	U, TV	mg/L	2	0.000476	1.00	BIA3398	01/29/2025 09:54	KRB
SW-8151	*Surrogate: DCAA-surr*		*140%*	*S, TV*	*70-130*					*01/29/2025 09:54*	
SW-7471B	Mercury	A	<0.200	U, TV	mg/L	1	0.000127	0.200	BIA3295	01/28/2025 14:05	KSI
SW-6010C	Lead	A	<5.00	U, TV	mg/L	1	0.00341	5.00	BIA2898	01/29/2025 16:49	TBB
SW-8081	Chlordane (Total)	A	<0.0300	U, TV	mg/L	1	2.99E-6	0.0300	BIA3231	01/28/2025 04:11	cdg
SW-8081	Endrin	N	<0.0200	U, TV	mg/L	1	2.99E-6	0.0200	BIA3231	01/28/2025 04:11	cdg

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Sample Results
(Continued)

Client Sample ID: 0 - 6 inch Composite (Continued)
Lab Sample ID: 25A3540-01
Permit 4518 - Annual Soil Sample - F2 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/15/2025 16:40
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	A	<0.400	U, TV	mg/L	1	2.99E-6	0.400	BIA3231	01/28/2025 04:11	cdg
SW-8081	Heptachlor	A	<0.00800	U, TV	mg/L	1	2.99E-6	0.00800	BIA3231	01/28/2025 04:11	cdg
SW-8081	Heptachlor epoxide	A	<0.00800	U, TV	mg/L	1	2.99E-6	0.00800	BIA3231	01/28/2025 04:11	cdg
SW-8081	Methoxychlor	A	<10.0	U, TV	mg/L	1	2.99E-6	10.0	BIA3231	01/28/2025 04:11	cdg
SW-8081	Toxaphene (Chlorinated Camphene)	A	<0.500	U, TV	mg/L	1	2.99E-6	0.500	BIA3231	01/28/2025 04:11	cdg
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*77.3%*		*60-140*					*01/28/2025 04:11*	
SW-8081	*Surrogate: Decachlorobiphenyl-surr*		*69.0%*		*60-140*					*01/28/2025 04:11*	
SW-6010C	Selenium	A	<1.00	U, TV	mg/L	1	0.00531	1.00	BIA2898	01/28/2025 18:00	AKR
SW-8270	2,4,5-Trichlorophenol	A	<400	U, TV	mg/L	1	0.00246	400	BIA3432	01/30/2025 06:46	KRB
SW-8270	2,4,6-Trichlorophenol	A	<2.00	U, TV	mg/L	1	0.00246	2.00	BIA3432	01/30/2025 06:46	KRB
SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	U, TV	mg/L	1	0.00246	0.130	BIA3432	01/30/2025 06:46	KRB
SW-8270	2-Methylphenol (o-Cresol)	A	<200	U, TV	mg/L	1	0.00246	200	BIA3432	01/30/2025 06:46	KRB
SW-8270	3,4-Methylphenol	A	<200	U, TV	mg/L	1	0.00246	200	BIA3432	01/30/2025 06:46	KRB
SW-8270	Hexachlorobenzene	A	<0.130	U, TV	mg/L	1	0.00246	0.130	BIA3432	01/30/2025 06:46	KRB
SW-8270	Hexachlorobutadiene	A	<0.500	U, TV	mg/L	1	0.00246	0.500	BIA3432	01/30/2025 06:46	KRB
SW-8270	Hexachloroethane	A	<3.00	U, TV	mg/L	1	0.00246	3.00	BIA3432	01/30/2025 06:46	KRB
SW-8270	Nitrobenzene	A	<2.00	U, TV	mg/L	1	0.00246	2.00	BIA3432	01/30/2025 06:46	KRB
SW-8270	Pentachlorophenol	A	<100	U, TV	mg/L	1	0.00246	100	BIA3432	01/30/2025 06:46	KRB
SW-8270	Pyridine	A	<5.00	U, TV	mg/L	1	0.00246	5.00	BIA3432	01/30/2025 06:46	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*		*79.5%*		*54.6-148*					*01/30/2025 06:46*	
SW-8270	*Surrogate: 2-Fluorophenol-surr*		*87.3%*		*55-152*					*01/30/2025 06:46*	
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*		*105%*		*52.4-136*					*01/30/2025 06:46*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr*		*101%*		*52-162*					*01/30/2025 06:46*	
SW-8270	*Surrogate: Phenol-d5-surr*		*91.9%*		*58.7-152*					*01/30/2025 06:46*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr*		*64.8%*		*51.9-147*					*01/30/2025 06:46*	
SW-8260	1,1-Dichloroethylene	A	<0.700	U, TV	mg/L	10	0.00849	0.700	BIA2922	01/27/2025 23:18	DDB
SW-8260	1,2-Dichloroethane (Ethylene dichloride)	A	<0.500	U, TV	mg/L	10	0.00870	0.500	BIA2922	01/27/2025 23:18	DDB

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Sample Results
(Continued)

Client Sample ID: 0 - 6 inch Composite (Continued)
Lab Sample ID: 25A3540-01
Permit 4518 - Annual Soil Sample - F2 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/15/2025 16:40
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<7.50	U, TV	mg/L	10	0.00641	7.50	BIA2922	01/27/2025 23:18	DDB
SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	A	<200	U, TV	mg/L	10	0.0738	200	BIA2922	01/27/2025 23:18	DDB
SW-8260	Benzene	A	<0.500	U, TV	mg/L	10	0.00604	0.500	BIA2922	01/27/2025 23:18	DDB
SW-8260	Carbon tetrachloride	A	<0.500	U, TV	mg/L	10	0.00500	0.500	BIA2922	01/27/2025 23:18	DDB
SW-8260	Chlorobenzene	A	<100	U, TV	mg/L	10	0.00724	100	BIA2922	01/27/2025 23:18	DDB
SW-8260	Chloroform	A	<6.00	U, TV	mg/L	10	0.00688	6.00	BIA2922	01/27/2025 23:18	DDB
SW-8260	Tetrachloroethylene (Perchloroethylene)	A	<0.700	U, TV	mg/L	10	0.00703	0.700	BIA2922	01/27/2025 23:18	DDB
SW-8260	Trichloroethene (Trichloroethylene)	A	<0.500	U, TV	mg/L	10	0.00744	0.500	BIA2922	01/27/2025 23:18	DDB
SW-8260	Vinyl chloride (Chloroethene)	A	<0.200	U, TV	mg/L	10	0.0130	0.200	BIA2922	01/27/2025 23:18	DDB
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*		*109%*		*70-130*					*01/27/2025 23:18*	
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*		*105%*		*70-130*					*01/27/2025 23:18*	
SW-8260	*Surrogate: Toluene-d8-surr*		*98.5%*		*70-130*					*01/27/2025 23:18*	
SW-8260	*Surrogate: Dibromofluoromethane-surr*		*113%*		*70-130*					*01/27/2025 23:18*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Sample Results
(Continued)

Client Sample ID: 0 - 6 inch Composite
Lab Sample ID: 25A3540-01RE1
Permit 4518 - Annual Soil Sample - F2 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/15/2025 16:40
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP											
SW-6010C	Silver (Rerun)	A	<5.00	U, TV	mg/L	1	0.00142	5.00	BIB1099	02/13/2025 11:16	JBM

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Sample Results
(Continued)

Client Sample ID: 6 - 24 inch Composite
Lab Sample ID: 25A3540-02
Permit 4518 - Annual Soil Sample - F2 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/15/2025 16:40
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Organics by GC											
SW-8082	PCBs, Total	A	<6.79	U, TV	ug/kg dry	10	0.194	6.79	BIA2708	01/29/2025 07:47	SHU
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*90.9%*		*60-140*					*01/29/2025 07:47*	
SW-8082	*Surrogate: Decachlorobiphenyl-surr*		*82.2%*		*60-140*					*01/29/2025 07:47*	
Metals, Total											
SW-6010C	Arsenic	A	4.68		mg/kg dry	1	0.250	1.14	BIA2783	01/30/2025 11:35	JBM
SW-6010C	Cadmium	A	<0.114	U, TV	mg/kg dry	1	0.0296	0.114	BIA2783	01/30/2025 11:35	JBM
SW-6010C	Chromium	A	21.4		mg/kg dry	1	0.427	0.571	BIA2783	01/30/2025 11:35	TBB
SW-6010C	Copper	A	4.50		mg/kg dry	1	0.122	1.14	BIA2783	01/30/2025 11:35	JBM
SW-7471B	Mercury	A	0.0143		mg/kg dry	1	0.00571	0.0114	BIA2702	01/23/2025 15:14	KSI
SW-6010C	Lead	A	7.08		mg/kg dry	1	0.290	0.571	BIA2783	01/30/2025 11:35	JBM
SW-6010C	Molybdenum	A	<0.571	U, TV	mg/kg dry	1	0.571	0.571	BIA2783	01/30/2025 11:35	JBM
SW-6010C	Nickel	A	2.72		mg/kg dry	1	0.154	0.571	BIA2783	01/30/2025 11:35	JBM
SW-6010C	Zinc	A	9.33		mg/kg dry	1	0.571	0.571	BIA2783	02/11/2025 08:38	TBB
General Chemistry											
SW-9045C	pH	A	7.08		pH Units @ 25 °C	1		0.0989	BIA2758	01/23/2025 10:02	FPN
SM 2540 G	% Solids	A	87.1		%	1	0.100	0.100	BIA2632	01/23/2025 09:04	BP
TCLP											
SW-6010C	Arsenic	A	<5.00	U, TV	mg/L	1	0.00367	5.00	BIA2898	01/28/2025 18:25	AKR
SW-6010C	Barium	A	<100	U, TV	mg/L	1	0.00125	100	BIA2898	01/29/2025 17:19	JKC
SW-6010C	Cadmium	A	<1.00	U, TV	mg/L	1	0.000423	1.00	BIA2898	01/29/2025 17:19	JKC
SW-6010C	Chromium	A	<5.00	U, TV	mg/L	1	0.00131	5.00	BIA2898	02/03/2025 12:43	AKR
SW-8151	2,4-D	A	<10.0	U, TV	mg/L	2	0.000475	10.0	BIA3398	01/29/2025 10:21	KRB
SW-8151	Silvex (2,4,5-TP)	A	<1.00	U, TV	mg/L	2	0.000475	1.00	BIA3398	01/29/2025 10:21	KRB
SW-8151	*Surrogate: DCAA-surr*		*152% S, TV*		*70-130*					*01/29/2025 10:21*	
SW-7471B	Mercury	A	<0.200	U, TV	mg/L	1	0.000127	0.200	BIA3295	01/28/2025 13:19	KSI
SW-6010C	Lead	A	<5.00	U, TV	mg/L	1	0.00341	5.00	BIA2898	01/29/2025 17:19	TBB
SW-8081	Chlordane (Total)	A	<0.0300	U, TV	mg/L	1	2.99E-6	0.0300	BIA3231	01/28/2025 04:35	cdg

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Sample Results
(Continued)

Client Sample ID: 6 - 24 inch Composite (Continued)
Lab Sample ID: 25A3540-02
Permit 4518 - Annual Soil Sample - F2 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/15/2025 16:40
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8081	Endrin	N	<0.0200	U, TV	mg/L	1	2.99E-6	0.0200	BIA3231	01/28/2025 04:35	cdg
SW-8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	A	<0.400	U, TV	mg/L	1	2.99E-6	0.400	BIA3231	01/28/2025 04:35	cdg
SW-8081	Heptachlor	A	<0.00800	U, TV	mg/L	1	2.99E-6	0.00800	BIA3231	01/28/2025 04:35	cdg
SW-8081	Heptachlor epoxide	A	<0.00800	U, TV	mg/L	1	2.99E-6	0.00800	BIA3231	01/28/2025 04:35	cdg
SW-8081	Methoxychlor	A	<10.0	U, TV	mg/L	1	2.99E-6	10.0	BIA3231	01/28/2025 04:35	cdg
SW-8081	Toxaphene (Chlorinated Camphene)	A	<0.500	U, TV	mg/L	1	2.99E-6	0.500	BIA3231	01/28/2025 04:35	cdg
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*93.4%*		*60-140*					*01/28/2025 04:35*	
SW-8081	*Surrogate: Decachlorobiphenyl-surr*		*69.8%*		*60-140*					*01/28/2025 04:35*	
SW-6010C	Selenium	A	<1.00	U, TV	mg/L	1	0.00531	1.00	BIA2898	01/28/2025 18:25	AKR
SW-8270	2,4,5-Trichlorophenol	A	<400	U, TV	mg/L	1	0.00244	400	BIA3432	01/30/2025 07:22	KRB
SW-8270	2,4,6-Trichlorophenol	A	<2.00	U, TV	mg/L	1	0.00244	2.00	BIA3432	01/30/2025 07:22	KRB
SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	U, TV	mg/L	1	0.00244	0.130	BIA3432	01/30/2025 07:22	KRB
SW-8270	2-Methylphenol (o-Cresol)	A	<200	U, TV	mg/L	1	0.00244	200	BIA3432	01/30/2025 07:22	KRB
SW-8270	3,4-Methylphenol	A	<200	U, TV	mg/L	1	0.00244	200	BIA3432	01/30/2025 07:22	KRB
SW-8270	Hexachlorobenzene	A	<0.130	U, TV	mg/L	1	0.00244	0.130	BIA3432	01/30/2025 07:22	KRB
SW-8270	Hexachlorobutadiene	A	<0.500	U, TV	mg/L	1	0.00244	0.500	BIA3432	01/30/2025 07:22	KRB
SW-8270	Hexachloroethane	A	<3.00	U, TV	mg/L	1	0.00244	3.00	BIA3432	01/30/2025 07:22	KRB
SW-8270	Nitrobenzene	A	<2.00	U, TV	mg/L	1	0.00244	2.00	BIA3432	01/30/2025 07:22	KRB
SW-8270	Pentachlorophenol	A	<100	U, TV	mg/L	1	0.00244	100	BIA3432	01/30/2025 07:22	KRB
SW-8270	Pyridine	A	<5.00	U, TV	mg/L	1	0.00244	5.00	BIA3432	01/30/2025 07:22	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*		*92.2%*		*54.6-148*					*01/30/2025 07:22*	
SW-8270	*Surrogate: 2-Fluorophenol-surr*		*93.0%*		*55-152*					*01/30/2025 07:22*	
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*		*117%*		*52.4-136*					*01/30/2025 07:22*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr*		*98.4%*		*52-162*					*01/30/2025 07:22*	
SW-8270	*Surrogate: Phenol-d5-surr*		*93.4%*		*58.7-152*					*01/30/2025 07:22*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr*		*71.8%*		*51.9-147*					*01/30/2025 07:22*	
SW-8260	1,1-Dichloroethylene	A	<0.700	U, TV	mg/L	10	0.00849	0.700	BIA2922	01/27/2025 23:02	DDB

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Sample Results
(Continued)

Client Sample ID: 6 - 24 inch Composite (Continued)
Lab Sample ID: 25A3540-02
Permit 4518 - Annual Soil Sample - F2 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/15/2025 16:40
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8260	1,2-Dichloroethane (Ethylene dichloride)	A	<0.500	U, TV	mg/L	10	0.00870	0.500	BIA2922	01/27/2025 23:02	DDB
SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<7.50	U, TV	mg/L	10	0.00641	7.50	BIA2922	01/27/2025 23:02	DDB
SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	A	<200	U, TV	mg/L	10	0.0738	200	BIA2922	01/27/2025 23:02	DDB
SW-8260	Benzene	A	<0.500	U, TV	mg/L	10	0.00604	0.500	BIA2922	01/27/2025 23:02	DDB
SW-8260	Carbon tetrachloride	A	<0.500	U, TV	mg/L	10	0.00500	0.500	BIA2922	01/27/2025 23:02	DDB
SW-8260	Chlorobenzene	A	<100	U, TV	mg/L	10	0.00724	100	BIA2922	01/27/2025 23:02	DDB
SW-8260	Chloroform	A	<6.00	U, TV	mg/L	10	0.00688	6.00	BIA2922	01/27/2025 23:02	DDB
SW-8260	Tetrachloroethylene (Perchloroethylene)	A	<0.700	U, TV	mg/L	10	0.00703	0.700	BIA2922	01/27/2025 23:02	DDB
SW-8260	Trichloroethene (Trichloroethylene)	A	<0.500	U, TV	mg/L	10	0.00744	0.500	BIA2922	01/27/2025 23:02	DDB
SW-8260	Vinyl chloride (Chloroethene)	A	<0.200	U, TV	mg/L	10	0.0130	0.200	BIA2922	01/27/2025 23:02	DDB
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*		*107%*		*70-130*					*01/27/2025 23:02*	
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*		*101%*		*70-130*					*01/27/2025 23:02*	
SW-8260	*Surrogate: Toluene-d8-surr*		*97.2%*		*70-130*					*01/27/2025 23:02*	
SW-8260	*Surrogate: Dibromofluoromethane-surr*		*112%*		*70-130*					*01/27/2025 23:02*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Sample Results
(Continued)

Client Sample ID: 6 - 24 inch Composite
Lab Sample ID: 25A3540-02RE1
Permit 4518 - Annual Soil Sample - F2 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/15/2025 16:40
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP											
SW-6010C	Silver (Rerun)	A	<5.00	U, TV	mg/L	1	0.00142	5.00	BIB1099	02/13/2025 11:53	JBM

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2708 - SW-3570										
Blank (BIA2708-BLK1)				Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	<5.98	U	5.98	ug/kg wet						
Aroclor-1221 (PCB-1221)	<5.98	U	5.98	ug/kg wet						
Aroclor-1232 (PCB-1232)	<5.98	U	5.98	ug/kg wet						
Aroclor-1242 (PCB-1242)	<5.98	U	5.98	ug/kg wet						
Aroclor-1248 (PCB-1248)	<5.98	U	5.98	ug/kg wet						
Aroclor-1254 (PCB-1254)	<5.98	U	5.98	ug/kg wet						
Aroclor-1260 (PCB-1260)	<5.98	U	5.98	ug/kg wet						
Aroclor-1262 (PCB-1262)	<5.98	U	5.98	ug/kg wet						
Aroclor-1268 (PCB-1268)	<5.98	U	5.98	ug/kg wet						
PCBs, Total	<5.98	U	5.98	ug/kg wet						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*4.56*	*ug/kg wet*	*5.98*		*76.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.13*	*ug/kg wet*	*5.98*		*85.8*	*60-140*		
LCS (BIA2708-BS1)				Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	54.2		5.96	ug/kg wet	59.6		90.9	60-140		
Aroclor-1260 (PCB-1260)	53.4		5.96	ug/kg wet	59.6		89.6	60-140		
PCBs, Total	53.8		5.96	ug/kg wet	59.6		90.3	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*2.15*	*ug/kg wet*	*5.96*		*36.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*4.47*	*ug/kg wet*	*5.96*		*74.9*	*60-140*		
LCS Dup (BIA2708-BSD1)				Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	61.7		5.96	ug/kg wet	59.6		104	60-140	12.9	40
Aroclor-1260 (PCB-1260)	60.2		5.96	ug/kg wet	59.6		101	60-140	12.0	40
PCBs, Total	61.0		5.96	ug/kg wet	59.6		102	60-140	12.4	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*2.24*	*ug/kg wet*	*5.96*		*37.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.02*	*ug/kg wet*	*5.96*		*84.3*	*60-140*		
Matrix Spike (BIA2708-MS1)	**Source: 25A3389-01**			Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	77.1		7.04	ug/kg dry	70.4	<7.04	109	60-140		
Aroclor-1260 (PCB-1260)	73.3		7.04	ug/kg dry	70.4	4.25	98.0	60-140		
PCBs, Total	75.2		7.04	ug/kg dry	70.4	4.25	101	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*8.19*	*ug/kg dry*	*7.04*		*116*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*6.09*	*ug/kg dry*	*7.04*		*86.5*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2708 - SW-3570 (Continued)										
Matrix Spike Dup (BIA2708-MSD1)	**Source: 25A3389-01**			Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	70.5		7.01	ug/kg dry	70.1	<7.01	101	60-140	8.84	40
Aroclor-1260 (PCB-1260)	66.5		7.01	ug/kg dry	70.1	4.25	88.9	60-140	9.67	40
PCBs, Total	68.5		7.01	ug/kg dry	70.1	4.25	91.7	60-140	9.24	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.67*	*ug/kg dry*	*7.01*		*109*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.65*	*ug/kg dry*	*7.01*		*80.6*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2702 - SW-7471										
MDL Check (BIA2702-MRL1)					Prepared & Analyzed: 01/23/2025					
Mercury	0.0106	U	0.0200	mg/kg wet	0.0100		106			
Matrix Spike (BIA2702-MS1)		**Source: 25A2597-06**			Prepared & Analyzed: 01/23/2025					
Mercury	0.500		0.0284	mg/kg dry	0.355	0.0945	114	80-120		
Matrix Spike (BIA2702-MS2)		**Source: 25A3540-01**			Prepared & Analyzed: 01/23/2025					
Mercury	0.208		0.0118	mg/kg dry	0.148	0.0553	103	80-120		
Matrix Spike Dup (BIA2702-MSD1)		**Source: 25A2597-06**			Prepared & Analyzed: 01/23/2025					
Mercury	0.540	J1	0.0286	mg/kg dry	0.357	0.0945	125	80-120	7.72	20
Matrix Spike Dup (BIA2702-MSD2)		**Source: 25A3540-01**			Prepared & Analyzed: 01/23/2025					
Mercury	0.222		0.0118	mg/kg dry	0.148	0.0553	113	80-120	6.82	20
Batch: BIA2783 - SW-3050 for 6010										
Blank (BIA2783-BLK1)					Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	<0.0333	U	0.0333	mg/kg wet						
Cadmium	<0.00333	U	0.00333	mg/kg wet						
Chromium	<0.0167	U	0.0167	mg/kg wet						
Copper	<0.0333	U	0.0333	mg/kg wet						
Lead	<0.0167	U	0.0167	mg/kg wet						
Molybdenum	<0.0167	U	0.0167	mg/kg wet						
Nickel	<0.0167	U	0.0167	mg/kg wet						
Blank (BIA2783-BLK2)					Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	<0.0167	U	0.0167	mg/kg wet						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010 (Continued)										
LCS (BIA2783-BS1)					Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	0.801		0.0333	mg/kg wet	0.833		96.1	80-120		
Cadmium	0.0792		0.00333	mg/kg wet	0.0833		95.1	80-120		
Chromium	0.407		0.0167	mg/kg wet	0.417		97.6	80-120		
Copper	0.802		0.0333	mg/kg wet	0.833		96.2	80-120		
Lead	0.423		0.0167	mg/kg wet	0.417		101	80-120		
Molybdenum	0.400		0.0167	mg/kg wet	0.417		96.0	80-120		
Nickel	0.406		0.0167	mg/kg wet	0.417		97.3	80-120		
LCS (BIA2783-BS2)					Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	0.422		0.0167	mg/kg wet	0.417		101	80-120		
Matrix Spike (BIA2783-MS1)		**Source: 25A3540-01**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	29.7		1.14	mg/kg dry	28.6	3.39	92.1	75-125		
Cadmium	2.79		0.114	mg/kg dry	2.86	<0.114	97.7	75-125		
Chromium	22.2	J1	0.573	mg/kg dry	14.3	19.2	21.2	75-125		
Copper	589		22.9	mg/kg dry	601	32.4	92.6	75-125		
Lead	20.9		0.573	mg/kg dry	14.3	8.69	85.7	75-125		
Molybdenum	13.0		0.573	mg/kg dry	14.3	0.681	86.3	75-125		
Nickel	15.4		0.573	mg/kg dry	14.3	2.72	88.9	75-125		
Matrix Spike (BIA2783-MS2)		**Source: 25A3389-02**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	48.7		1.93	mg/kg dry	48.3	1.79	97.1	75-125		
Cadmium	4.80		0.193	mg/kg dry	4.83	0.258	94.0	75-125		
Chromium	33.1		0.968	mg/kg dry	24.1	9.95	95.8	75-125		
Copper	964		38.6	mg/kg dry	1010	11.6	93.9	75-125		
Lead	29.4		0.968	mg/kg dry	24.1	5.75	97.8	75-125		
Molybdenum	22.4		0.968	mg/kg dry	24.1	<0.968	92.6	75-125		
Nickel	24.9		0.968	mg/kg dry	24.1	2.25	93.6	75-125		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010 (Continued)										
Matrix Spike (BIA2783-MS3)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	<28.7	J1, U	28.7	mg/kg dry	586	93.8	NR	75-125		
Matrix Spike (BIA2783-MS4)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	1240		48.4	mg/kg dry	990	<48.4	125	75-125		
Matrix Spike Dup (BIA2783-MSD1)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	30.5		1.18	mg/kg dry	29.7	3.39	91.4	75-125	2.47	20
Cadmium	2.90		0.118	mg/kg dry	2.97	<0.118	97.7	75-125	3.68	20
Chromium	23.2	J1	0.594	mg/kg dry	14.8	19.2	27.3	75-125	4.50	20
Copper	618		23.7	mg/kg dry	623	32.4	94.1	75-125	4.93	20
Lead	22.3		0.594	mg/kg dry	14.8	8.69	91.8	75-125	6.26	20
Molybdenum	13.4		0.594	mg/kg dry	14.8	0.681	85.7	75-125	2.81	20
Nickel	16.9		0.594	mg/kg dry	14.8	2.72	95.5	75-125	9.00	20
Matrix Spike Dup (BIA2783-MSD2)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	50.3		1.95	mg/kg dry	48.7	1.79	99.7	75-125	3.37	20
Cadmium	4.78		0.195	mg/kg dry	4.87	0.258	92.7	75-125	0.469	20
Chromium	35.9		0.976	mg/kg dry	24.4	9.95	107	75-125	8.24	20
Copper	955		38.9	mg/kg dry	1020	11.6	92.2	75-125	0.941	20
Lead	30.6		0.976	mg/kg dry	24.4	5.75	102	75-125	4.12	20
Molybdenum	22.3		0.976	mg/kg dry	24.4	<0.976	91.5	75-125	0.335	20
Nickel	26.5		0.976	mg/kg dry	24.4	2.25	99.7	75-125	6.52	20
Matrix Spike Dup (BIA2783-MSD3)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	690		29.7	mg/kg dry	608	93.8	98.2	75-125	200	20
Matrix Spike Dup (BIA2783-MSD4)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	1020		48.8	mg/kg dry	999	<48.8	102	75-125	19.4	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010 (Continued)										
Post Spike (BIA2783-PS1)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	415	J1		ug/L	500	56.5	71.8	80-120		
Cadmium	34.6	J1		ug/L	50.0	0.435	68.4	80-120		
Chromium	554			ug/L	250	320	93.6	80-120		
Copper	924	J1		ug/L	500	541	76.7	80-120		
Lead	328	J1		ug/L	250	145	73.2	80-120		
Molybdenum	154	J1		ug/L	250	11.4	57.1	80-120		
Nickel	225	J1		ug/L	250	45.3	71.8	80-120		
Post Spike (BIA2783-PS2)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	516			ug/L	500	17.5	99.7	80-120		
Cadmium	50.9			ug/L	50.0	2.51	96.8	80-120		
Chromium	347			ug/L	250	97.0	100	80-120		
Copper	610			ug/L	500	113	99.4	80-120		
Lead	312			ug/L	250	56.0	103	80-120		
Molybdenum	192	J1		ug/L	250	2.13	75.8	80-120		
Nickel	270			ug/L	250	21.9	99.0	80-120		
Post Spike (BIA2783-PS3)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	1980	J1		ug/L	250	1560	166	80-120		
Post Spike (BIA2783-PS4)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	441			ug/L	250	222	87.6	80-120		
Dilution Check (BIA2783-SRL1)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	3.52	U	5.67	mg/kg dry		3.39			3.69	10
Cadmium	<0.567	U	0.567	mg/kg dry		<0.567				10
Chromium	19.5		2.84	mg/kg dry		19.2			1.79	10
Copper	31.9		5.67	mg/kg dry		32.4			1.60	10
Lead	8.59		2.84	mg/kg dry		8.69			1.14	10
Molybdenum	<2.84	U	2.84	mg/kg dry		<2.84			200	10
Nickel	2.42	U	2.84	mg/kg dry		2.72			11.5	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010 (Continued)										
Dilution Check (BIA2783-SRL2)			**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	3.65	U	9.68	mg/kg dry		<9.68			68.2	10
Cadmium	0.373	U	0.968	mg/kg dry		0.258			36.7	10
Chromium	9.99		4.86	mg/kg dry		9.95			0.399	10
Copper	12.3		9.68	mg/kg dry		11.6			5.74	10
Lead	4.62	U	4.86	mg/kg dry		5.75			21.6	10
Molybdenum	<4.86	U	4.86	mg/kg dry		<4.86				10
Nickel	1.70	U	4.86	mg/kg dry		2.25			27.9	10
Dilution Check (BIA2783-SRL3)			**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	97.6		2.84	mg/kg dry		93.8			3.88	10
Dilution Check (BIA2783-SRL4)			**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	23.9		4.86	mg/kg dry		22.8			4.66	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2632 - Percent Solids										
Blank (BIA2632-BLK1)					Prepared: 01/22/2025 Analyzed: 01/23/2025					
% Solids	<0.100	U	0.100	%						
Duplicate (BIA2632-DUP1)		**Source: 25A0441-05**			Prepared: 01/22/2025 Analyzed: 01/23/2025					
% Solids	2.15		0.100	%		2.15			0.219	10
Duplicate (BIA2632-DUP2)		**Source: 25A3931-04**			Prepared: 01/22/2025 Analyzed: 01/23/2025					
% Solids	2.97		0.100	%		2.94			0.975	10
Reference (BIA2632-SRM1)					Prepared: 01/22/2025 Analyzed: 01/23/2025					
% Solids	0.354		0.100	%	0.338		105	86.1-114		
Batch: BIA2758 - pH										
LCS (BIA2758-BS1)					Prepared & Analyzed: 01/23/2025					
pH	6.89			pH Units @ 25 °C	6.86		100	98.6-101.4		
Duplicate (BIA2758-DUP1)		**Source: 25A3389-02**			Prepared & Analyzed: 01/23/2025					
pH	7.07		0.100	pH Units @ 25 °C		6.96			1.57	200
Batch: BIA2899 - pH										
LCS (BIA2899-BS1)					Prepared & Analyzed: 01/24/2025					
pH	6.88			pH Units @ 25 °C	6.86		100	98.6-101.4		
Duplicate (BIA2899-DUP1)		**Source: 25A3389-01**			Prepared & Analyzed: 01/24/2025					
pH	6.61		0.100	pH Units @ 25 °C		6.65			0.603	200

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2898 - EPA 200.2 TCLP										
Blank (BIA2898-BLK1)				Prepared: 01/27/2025 Analyzed: 01/28/2025						
Arsenic	<5.00	U	5.00	mg/L						
Barium	<100	U	100	mg/L						
Chromium	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Blank (BIA2898-BLK2)				Prepared: 01/27/2025 Analyzed: 01/29/2025						
Cadmium	<1.00	U	1.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
LCS (BIA2898-BS1)				Prepared: 01/27/2025 Analyzed: 01/28/2025						
Arsenic	0.492	U	5.00	mg/L	0.500		98.4	80-120		
Barium	0.502	U	100	mg/L	0.500		100	80-120		
Chromium	0.248	U	5.00	mg/L	0.250		99.2	80-120		
Selenium	0.505	U	1.00	mg/L	0.500		101	80-120		
LCS (BIA2898-BS2)				Prepared: 01/27/2025 Analyzed: 01/29/2025						
Cadmium	0.0505	U	1.00	mg/L	0.0500		101	80-120		
Lead	0.254	U	5.00	mg/L	0.250		102	80-120		
Duplicate (BIA2898-DUP1)			**Source: 25A3541-01**	Prepared: 01/27/2025 Analyzed: 01/28/2025						
Arsenic	0.0183	U	5.00	mg/L		0.0125			37.3	20
Barium	0.398	U	100	mg/L		0.397			0.161	20
Chromium	0.00762	U	5.00	mg/L		0.00555			31.4	20
Selenium	<1.00	U	1.00	mg/L		<1.00				20
Duplicate (BIA2898-DUP2)			**Source: 25A3540-02**	Prepared: 01/27/2025 Analyzed: 01/28/2025						
Arsenic	0.00823	U	5.00	mg/L		0.0137			50.0	20
Selenium	<1.00	U	1.00	mg/L		<1.00				20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2898 - EPA 200.2 TCLP (Continued)										
Duplicate (BIA2898-DUP3)		**Source: 25A3541-01**			Prepared: 01/27/2025 Analyzed: 01/29/2025					
Cadmium	0.000550	U	1.00	mg/L		<1.00			200	20
Lead	<5.00	U	5.00	mg/L		0.00384			200	20
Duplicate (BIA2898-DUP4)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 01/29/2025					
Barium	0.432	U	100	mg/L		0.413			4.52	20
Cadmium	<1.00	U	1.00	mg/L		<1.00				20
Lead	0.00350	U	5.00	mg/L		<5.00			200	20
Duplicate (BIA2898-DUP5)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 02/03/2025					
Chromium	0.00491	U	5.00	mg/L		0.00369			28.4	20
BIA2889-LBK1 (BIA2898-LBK1)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	0.00673	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
BIA2763-LBK2 (BIA2898-LBK2)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	0.0110	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
BIA2889-LBK1 (BIA2898-LBK3)					Prepared: 01/27/2025 Analyzed: 01/29/2025					
Barium	0.0188	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
BIA2763-LBK2 (BIA2898-LBK4)					Prepared: 01/27/2025 Analyzed: 01/29/2025					
Barium	0.0191	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Lead	<5.00	U	5.00	mg/L						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2898 - EPA 200.2 TCLP (Continued)										
BIA2889-LBK1 (BIA2898-LBK5)					Prepared: 01/27/2025 Analyzed: 02/03/2025					
Chromium	0.00293	U	5.00	mg/L						
BIA2763-LBK2 (BIA2898-LBK6)					Prepared: 01/27/2025 Analyzed: 02/03/2025					
Chromium	0.00295	U	5.00	mg/L						
Matrix Spike (BIA2898-MS1)		**Source: 25A3541-01**			Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	0.545	U	5.00	mg/L	0.500	0.0125	107	75-125		
Barium	0.928	U	100	mg/L	0.500	0.397	106	75-125		
Chromium	0.266	U	5.00	mg/L	0.250	0.00555	104	75-125		
Selenium	0.543	U	1.00	mg/L	0.500	<1.00	109	75-125		
Matrix Spike (BIA2898-MS2)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	0.562	U	5.00	mg/L	0.500	0.0137	110	75-125		
Selenium	0.563	U	1.00	mg/L	0.500	<1.00	113	75-125		
Matrix Spike (BIA2898-MS3)		**Source: 25A3541-01**			Prepared: 01/27/2025 Analyzed: 01/29/2025					
Cadmium	0.0547	U	1.00	mg/L	0.0500	<1.00	109	75-125		
Lead	0.265	U	5.00	mg/L	0.250	0.00384	104	75-125		
Matrix Spike (BIA2898-MS4)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 01/29/2025					
Barium	0.986	U	100	mg/L	0.500	0.413	115	75-125		
Cadmium	0.0601	U	1.00	mg/L	0.0500	<1.00	120	75-125		
Lead	0.281	U	5.00	mg/L	0.250	<5.00	113	75-125		
Matrix Spike (BIA2898-MS5)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 02/03/2025					
Chromium	0.257	U	5.00	mg/L	0.250	0.00369	101	75-125		
Post Spike (BIA2898-PS1)		**Source: 25A3541-01**			Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	555			ug/L	500	12.2	109	80-120		
Barium	903			ug/L	500	387	103	80-120		
Chromium	260			ug/L	250	5.41	102	80-120		
Selenium	555			ug/L	500	2.69	110	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2898 - EPA 200.2 TCLP (Continued)										
Post Spike (BIA2898-PS2)		**Source: 25A3540-02**		Prepared: 01/27/2025 Analyzed: 01/28/2025						
Arsenic	552			ug/L	500	13.4	108	80-120		
Selenium	549			ug/L	500	0.848	110	80-120		
Post Spike (BIA2898-PS3)		**Source: 25A3541-01**		Prepared: 01/27/2025 Analyzed: 01/29/2025						
Cadmium	54.4			ug/L	50.0	0.332	108	80-120		
Lead	258			ug/L	250	3.74	102	80-120		
Post Spike (BIA2898-PS4)		**Source: 25A3540-02**		Prepared: 01/27/2025 Analyzed: 01/29/2025						
Barium	917			ug/L	500	403	103	80-120		
Cadmium	55.7			ug/L	50.0	0.0488	111	80-120		
Lead	269			ug/L	250	2.49	107	80-120		
Post Spike (BIA2898-PS5)		**Source: 25A3540-02**		Prepared: 01/27/2025 Analyzed: 02/03/2025						
Chromium	273			ug/L	250	3.60	108	80-120		
Dilution Check (BIA2898-SRL1)		**Source: 25A3541-01**		Prepared: 01/27/2025 Analyzed: 01/28/2025						
Arsenic	<5.00	U	5.00	mg/L		<5.00			200	10
Barium	0.389	U	100	mg/L		0.397			1.93	10
Chromium	0.00710	U	5.00	mg/L		<5.00			24.5	10
Selenium	<1.00	U	1.00	mg/L		<1.00				10
Dilution Check (BIA2898-SRL2)		**Source: 25A3540-02**		Prepared: 01/27/2025 Analyzed: 01/28/2025						
Arsenic	<5.00	U	5.00	mg/L		<5.00			200	10
Selenium	<1.00	U	1.00	mg/L		<1.00				10
Dilution Check (BIA2898-SRL3)		**Source: 25A3541-01**		Prepared: 01/27/2025 Analyzed: 01/29/2025						
Cadmium	<1.00	U	1.00	mg/L		<1.00				10
Lead	<5.00	U	5.00	mg/L		<5.00			200	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2898 - EPA 200.2 TCLP (Continued)										
Dilution Check (BIA2898-SRL4)			**Source: 25A3540-02**		Prepared: 01/27/2025 Analyzed: 01/29/2025					
Barium	0.405	U	100	mg/L		0.413			1.91	10
Cadmium	<1.00	U	1.00	mg/L		<1.00				10
Lead	<5.00	U	5.00	mg/L		<5.00				10
Dilution Check (BIA2898-SRL5)			**Source: 25A3540-02**		Prepared: 01/27/2025 Analyzed: 02/03/2025					
Chromium	<5.00	U	5.00	mg/L		<5.00			200	10
Batch: BIA2922 - SW-5030										
Blank (BIA2922-BLK1)					Prepared & Analyzed: 01/27/2025					
1,1-Dichloroethylene	<0.700	U	0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.00300	U	0.00300	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<0.00200	U	0.00200	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<0.0220	U	0.0220	mg/L						
Benzene	<0.00200	U	0.00200	mg/L						
Carbon tetrachloride	<0.00100	U	0.00100	mg/L						
Chlorobenzene	<100	U	100	mg/L						
Chloroform	<0.00200	U	0.00200	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.00200	U	0.00200	mg/L						
Trichloroethene (Trichloroethylene)	<0.00200	U	0.00200	mg/L						
Vinyl chloride (Chloroethene)	<0.00400	U	0.00400	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*51.3*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*53.1*	*ug/L*	*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8-surr			*49.2*	*ug/L*	*50.0*		*98.5*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*52.8*	*ug/L*	*50.0*		*106*	*70-130*		
LCS (BIA2922-BS1)					Prepared & Analyzed: 01/27/2025					
1,1-Dichloroethylene	0.0418	U	0.700	mg/L	0.0500		83.5	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0391	U	0.500	mg/L	0.0500		78.2	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0399	U	7.50	mg/L	0.0500		79.9	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.410	U	200	mg/L	0.500		82.0	70-130		
Benzene	0.0401	U	0.500	mg/L	0.0500		80.3	70-130		
Carbon tetrachloride	0.0406	U	0.500	mg/L	0.0500		81.2	70-130		
Chlorobenzene	0.0394	U	100	mg/L	0.0500		78.8	70-130		
Chloroform	0.0394	U	6.00	mg/L	0.0500		78.8	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0409	U	0.700	mg/L	0.0500		81.7	70-130		
Trichloroethene (Trichloroethylene)	0.0408	U	0.500	mg/L	0.0500		81.6	70-130		
Vinyl chloride (Chloroethene)	0.0380	U	0.200	mg/L	0.0500		76.1	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*49.5*	*ug/L*	*50.0*		*98.9*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*48.2*	*ug/L*	*50.0*		*96.4*	*70-130*		
Surrogate: Toluene-d8-surr			*49.9*	*ug/L*	*50.0*		*99.8*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*49.2*	*ug/L*	*50.0*		*98.3*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2922 - SW-5030 (Continued)										
LCS Dup (BIA2922-BSD1)					Prepared & Analyzed: 01/27/2025					
1,1-Dichloroethylene	0.0408	U	0.700	mg/L	0.0500		81.5	70-130	2.40	30
1,2-Dichloroethane (Ethylene dichloride)	0.0399	U	0.500	mg/L	0.0500		79.7	70-130	1.92	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0399	U	7.50	mg/L	0.0500		79.7	70-130	0.177	30
2-Butanone (Methyl ethyl ketone, MEK)	0.424	U	200	mg/L	0.500		84.7	70-130	3.28	30
Benzene	0.0403	U	0.500	mg/L	0.0500		80.6	70-130	0.368	30
Carbon tetrachloride	0.0401	U	0.500	mg/L	0.0500		80.1	70-130	1.37	30
Chlorobenzene	0.0397	U	100	mg/L	0.0500		79.3	70-130	0.708	30
Chloroform	0.0399	U	6.00	mg/L	0.0500		79.7	70-130	1.18	30
Tetrachloroethylene (Perchloroethylene)	0.0425	U	0.700	mg/L	0.0500		85.1	70-130	4.06	30
Trichloroethene (Trichloroethylene)	0.0402	U	0.500	mg/L	0.0500		80.4	70-130	1.46	30
Vinyl chloride (Chloroethene)	0.0372	U	0.200	mg/L	0.0500		74.5	70-130	2.11	30
Surrogate: 1,2-Dichloroethane-d4-surr			*50.1*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*48.4*	*ug/L*	*50.0*		*96.9*	*70-130*		
Surrogate: Toluene-d8-surr			*49.4*	*ug/L*	*50.0*		*98.7*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*49.3*	*ug/L*	*50.0*		*98.6*	*70-130*		
BIA2764-BLK1 (BIA2922-LBK1)					Prepared & Analyzed: 01/27/2025					
1,1-Dichloroethylene	<0.700	U	0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.500	U	0.500	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<7.50	U	7.50	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<200	U	200	mg/L						
Benzene	<0.500	U	0.500	mg/L						
Carbon tetrachloride	<0.500	U	0.500	mg/L						
Chlorobenzene	<100	U	100	mg/L						
Chloroform	<6.00	U	6.00	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.700	U	0.700	mg/L						
Trichloroethene (Trichloroethylene)	<0.500	U	0.500	mg/L						
Vinyl chloride (Chloroethene)	<0.200	U	0.200	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*56.0*	*ug/L*	*50.0*		*112*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*49.3*	*ug/L*	*50.0*		*98.7*	*70-130*		
Surrogate: Toluene-d8-surr			*47.7*	*ug/L*	*50.0*		*95.4*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*59.0*	*ug/L*	*50.0*		*118*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2922 - SW-5030 (Continued)										
BIA2890-BLK1 (BIA2922-LBK2)					Prepared & Analyzed: 01/28/2025					
1,1-Dichloroethylene	<0.700	U	0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.500	U	0.500	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<7.50	U	7.50	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<200	U	200	mg/L						
Benzene	<0.500	U	0.500	mg/L						
Carbon tetrachloride	<0.500	U	0.500	mg/L						
Chlorobenzene	<100	U	100	mg/L						
Chloroform	<6.00	U	6.00	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.700	U	0.700	mg/L						
Trichloroethene (Trichloroethylene)	<0.500	U	0.500	mg/L						
Vinyl chloride (Chloroethene)	<0.200	U	0.200	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*53.9*	*ug/L*	*50.0*		*108*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*51.9*	*ug/L*	*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8-surr			*47.8*	*ug/L*	*50.0*		*95.6*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*56.7*	*ug/L*	*50.0*		*113*	*70-130*		
Matrix Spike (BIA2922-MS1)	**Source: 25A3389-01**				Prepared & Analyzed: 01/27/2025					
1,1-Dichloroethylene	0.0518	U	0.700	mg/L	0.0500	<0.700	104	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0485	U	0.500	mg/L	0.0500	<0.500	97.1	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0528	U	7.50	mg/L	0.0500	<7.50	106	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.401	U	200	mg/L	0.500	<200	80.2	70-130		
Benzene	0.0481	U	0.500	mg/L	0.0500	<0.500	96.2	70-130		
Carbon tetrachloride	0.0507	U	0.500	mg/L	0.0500	<0.500	101	70-130		
Chlorobenzene	0.0502	U	100	mg/L	0.0500	<100	100	70-130		
Chloroform	0.0458	U	6.00	mg/L	0.0500	<6.00	91.6	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0540	U	0.700	mg/L	0.0500	<0.700	108	70-130		
Trichloroethene (Trichloroethylene)	0.0465	U	0.500	mg/L	0.0500	<0.500	93.0	70-130		
Vinyl chloride (Chloroethene)	0.0476	U	0.200	mg/L	0.0500	<0.200	95.2	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*52.0*	*ug/L*	*50.0*		*104*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*51.5*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8-surr			*49.2*	*ug/L*	*50.0*		*98.4*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*51.5*	*ug/L*	*50.0*		*103*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2922 - SW-5030 (Continued)										
Matrix Spike Dup (BIA2922-MSD1)	**Source: 25A3389-01**				Prepared & Analyzed: 01/27/2025					
1,1-Dichloroethylene	0.0535	U	0.700	mg/L	0.0500	<0.700	107	70-130	3.26	30
1,2-Dichloroethane (Ethylene dichloride)	0.0477	U	0.500	mg/L	0.0500	<0.500	95.5	70-130	1.70	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0498	U	7.50	mg/L	0.0500	<7.50	99.5	70-130	5.88	30
2-Butanone (Methyl ethyl ketone, MEK)	0.407	U	200	mg/L	0.500	<200	81.4	70-130	1.49	30
Benzene	0.0490	U	0.500	mg/L	0.0500	<0.500	98.1	70-130	1.98	30
Carbon tetrachloride	0.0537	U	0.500	mg/L	0.0500	<0.500	107	70-130	5.60	30
Chlorobenzene	0.0476	U	100	mg/L	0.0500	<100	95.3	70-130	5.33	30
Chloroform	0.0455	U	6.00	mg/L	0.0500	<6.00	91.1	70-130	0.541	30
Tetrachloroethylene (Perchloroethylene)	0.0534	U	0.700	mg/L	0.0500	<0.700	107	70-130	1.10	30
Trichloroethene (Trichloroethylene)	0.0466	U	0.500	mg/L	0.0500	<0.500	93.2	70-130	0.178	30
Vinyl chloride (Chloroethene)	0.0451	U	0.200	mg/L	0.0500	<0.200	90.2	70-130	5.35	30
Surrogate: 1,2-Dichloroethane-d4-surr			*52.9*	*ug/L*	*50.0*		*106*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*51.6*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8-surr			*47.3*	*ug/L*	*50.0*		*94.5*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*53.2*	*ug/L*	*50.0*		*106*	*70-130*		
Batch: BIA3231 - SW-3511										
Blank (BIA3231-BLK1)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
Chlordane (Total)	<1.20E-6	U	1.20E-6	mg/L						
cis-Chlordane (alpha-Chlordane)	<1.20E-6	U	1.20E-6	mg/L						
Endrin	<1.20E-6	U	1.20E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<1.20E-6	U	1.20E-6	mg/L						
gamma-Chlordane	<1.20E-6	U	1.20E-6	mg/L						
Heptachlor	<1.20E-6	U	1.20E-6	mg/L						
Heptachlor epoxide	<1.20E-6	U	1.20E-6	mg/L						
Methoxychlor	<1.20E-6	U	1.20E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<1.20E-6	U	1.20E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.27E-5*	*mg/L*	*0.000120*		*60.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*7.29E-5*	*mg/L*	*0.000120*		*60.9*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3231 - SW-3511 (Continued)										
LCS (BIA3231-BS1)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
Toxaphene (Chlorinated Camphene)	0.00101	U	0.500	mg/L	0.00120		84.5	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000133*	*mg/L*	*0.000120*		*111*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*8.49E-5*	*mg/L*	*0.000120*		*70.9*	*60-140*		
LCS (BIA3231-BS2)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
Chlordane (Total)	0.000378	U	0.0300	mg/L	0.000480		78.7	60-140		
Endrin	9.73E-5	U	0.0200	mg/L	0.000120		81.1	60-140		
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	8.40E-5	U	0.400	mg/L	0.000120		70.0	60-140		
Heptachlor	7.93E-5	U	0.00800	mg/L	0.000120		66.0	60-140		
Heptachlor epoxide	0.000102	U	0.00800	mg/L	0.000120		84.8	60-140		
Methoxychlor	9.21E-5	U	10.0	mg/L	0.000120		76.8	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*9.70E-5*	*mg/L*	*0.000120*		*80.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*9.57E-5*	*mg/L*	*0.000120*		*79.7*	*60-140*		
LCS Dup (BIA3231-BSD1)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
Toxaphene (Chlorinated Camphene)	0.000935	U	0.500	mg/L	0.00120		77.9	60-140	7.84	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000103*	*mg/L*	*0.000120*		*85.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*8.57E-5*	*mg/L*	*0.000120*		*71.4*	*60-140*		
LCS Dup (BIA3231-BSD2)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
Chlordane (Total)	0.000379	U	0.0300	mg/L	0.000477		79.4	60-140	0.189	40
Endrin	9.54E-5	U	0.0200	mg/L	0.000119		80.0	60-140	1.93	40
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	7.83E-5	U	0.400	mg/L	0.000119		65.7	60-140	6.95	40
Heptachlor	7.69E-5	U	0.00800	mg/L	0.000119		64.5	60-140	2.97	40
Heptachlor epoxide	0.000100	U	0.00800	mg/L	0.000119		84.1	60-140	1.51	40
Methoxychlor	9.42E-5	U	10.0	mg/L	0.000119		79.1	60-140	2.26	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*9.93E-5*	*mg/L*	*0.000119*		*83.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000116*	*mg/L*	*0.000119*		*97.2*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3231 - SW-3511 (Continued)										
BIA2763-BLK (BIA3231-LBK1)				Prepared: 01/27/2025 Analyzed: 01/30/2025						
Chlordane (Total)	<5.93E-6	U	5.93E-6	mg/L						
cis-Chlordane (alpha-Chlordane)	<5.93E-6	U	5.93E-6	mg/L						
Endrin	<5.93E-6	U	5.93E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<5.93E-6	U	5.93E-6	mg/L						
gamma-Chlordane	<5.93E-6	U	5.93E-6	mg/L						
Heptachlor	<5.93E-6	U	5.93E-6	mg/L						
Heptachlor epoxide	<5.93E-6	U	5.93E-6	mg/L						
Methoxychlor	<5.93E-6	U	5.93E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<5.93E-6	U	5.93E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000582*	*mg/L*	*0.000593*		*98.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000369*	*mg/L*	*0.000593*		*62.2*	*60-140*		
BIA2889-BLK (BIA3231-LBK2)				Prepared: 01/27/2025 Analyzed: 01/30/2025						
Chlordane (Total)	<5.96E-6	U	5.96E-6	mg/L						
Endrin	<5.96E-6	U	5.96E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<5.96E-6	U	5.96E-6	mg/L						
Heptachlor	<5.96E-6	U	5.96E-6	mg/L						
Heptachlor epoxide	<5.96E-6	U	5.96E-6	mg/L						
Methoxychlor	<5.96E-6	U	5.96E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<5.96E-6	U	5.96E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000550*	*mg/L*	*0.000596*		*92.4*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000434*	*mg/L*	*0.000596*		*72.9*	*60-140*		
Matrix Spike (BIA3231-MS1)		**Source: 25A3540-01**		Prepared: 01/27/2025 Analyzed: 01/28/2025						
Chlordane (Total)	0.00185	U	0.0300	mg/L	0.00239	<0.0300	77.7	60-140		
Endrin	0.000467	U	0.0200	mg/L	0.000596	<0.0200	78.3	60-140		
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000452	U	0.400	mg/L	0.000596	<0.400	75.7	60-140		
Heptachlor	0.000435	U	0.00800	mg/L	0.000596	<0.00800	72.9	60-140		
Heptachlor epoxide	0.000499	U	0.00800	mg/L	0.000596	<0.00800	83.7	60-140		
Methoxychlor	0.000402	U	10.0	mg/L	0.000596	<10.0	67.4	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000493*	*mg/L*	*0.000596*		*82.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000380*	*mg/L*	*0.000596*		*63.7*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3231 - SW-3511 (Continued)										
Matrix Spike Dup (BIA3231-MSD1)		**Source: 25A3540-01**			Prepared: 01/27/2025 Analyzed: 01/28/2025					
Chlordane (Total)	0.00173	U	0.0300	mg/L	0.00238	<0.0300	72.7	60-140	7.10	40
Endrin	0.000442	U	0.0200	mg/L	0.000594	<0.0200	74.4	60-140	5.44	40
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	0.000372	U	0.400	mg/L	0.000594	<0.400	62.6	60-140	19.4	40
Heptachlor	0.000398	U	0.00800	mg/L	0.000594	<0.00800	67.0	60-140	8.92	40
Heptachlor epoxide	0.000453	U	0.00800	mg/L	0.000594	<0.00800	76.3	60-140	9.63	40
Methoxychlor	0.000375	U	10.0	mg/L	0.000594	<10.0	63.1	60-140	6.91	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000449*	*mg/L*	*0.000594*		*75.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000373*	*mg/L*	*0.000594*		*62.9*	*60-140*		
Batch: BIA3295 - SW-7471 TCLP										
Duplicate (BIA3295-DUP1)		**Source: 25A3540-02**			Prepared & Analyzed: 01/28/2025					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
Duplicate (BIA3295-DUP2)		**Source: 25A3541-01**			Prepared & Analyzed: 01/28/2025					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
BIA2391-BLK1 (BIA3295-LBK1)					Prepared & Analyzed: 01/28/2025					
Mercury	<0.200	U	0.200	mg/L						
BIA2763-BLK1 (BIA3295-LBK2)					Prepared & Analyzed: 01/28/2025					
Mercury	<0.200	U	0.200	mg/L						
BIA2889-BLK1 (BIA3295-LBK3)					Prepared & Analyzed: 01/28/2025					
Mercury	<0.200	U	0.200	mg/L						
MDL Check (BIA3295-MRL1)					Prepared & Analyzed: 01/28/2025					
Mercury	0.000214	U	0.200	mg/L	0.000200		107			

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3295 - SW-7471 TCLP (Continued)										
Matrix Spike (BIA3295-MS1)		**Source: 25A3540-02**			Prepared & Analyzed: 01/28/2025					
Mercury	0.00512	U	0.200	mg/L	0.00500	<0.200	102	80-120		
Matrix Spike (BIA3295-MS2)		**Source: 25A3541-01**			Prepared & Analyzed: 01/28/2025					
Mercury	0.00521	U	0.200	mg/L	0.00500	<0.200	104	80-120		
Batch: BIA3398 - SW-3511										
Blank (BIA3398-BLK1)					Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	<0.000119	U	0.000119	mg/L						
Silvex (2,4,5-TP)	<0.000119	U	0.000119	mg/L						
Surrogate: DCAA-surr			*0.0290*	*mg/L*	*0.0250*		*116*	*70-130*		
LCS (BIA3398-BS1)					Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	0.00498	U	10.0	mg/L	0.00514		97	70-130		
Silvex (2,4,5-TP)	0.00414	U	1.00	mg/L	0.00499		83	70-130		
Surrogate: DCAA-surr			*0.0303*	*mg/L*	*0.0250*		*121*	*70-130*		
LCS Dup (BIA3398-BSD1)					Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	0.00479	U	10.0	mg/L	0.00514		93	70-130	4	30
Silvex (2,4,5-TP)	0.00398	U	1.00	mg/L	0.00499		80	70-130	4	30
Surrogate: DCAA-surr			*0.0296*	*mg/L*	*0.0250*		*119*	*70-130*		
BIA2763-BLK1 (BIA3398-LBK1)					Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	<0.000475	U	0.000475	mg/L						
Silvex (2,4,5-TP)	<0.000475	U	0.000475	mg/L						
Surrogate: DCAA-surr		*S*	*0.140*	*mg/L*	*0.0997*		*141*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3398 - SW-3511 (Continued)										
BIA2889-BLK1 (BIA3398-LBK2)					Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	<0.000475	U	0.000475	mg/L						
Silvex (2,4,5-TP)	<0.000475	U	0.000475	mg/L						
Surrogate: DCAA-surr		*S*	*0.149*	*mg/L*	*0.0998*		*150*	*70-130*		
Matrix Spike (BIA3398-MS1)		**Source: 25A3389-01**			Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	0.0203	U	10.0	mg/L	0.0206	0.000545	96	70-130		
Silvex (2,4,5-TP)	0.0165	U	1.00	mg/L	0.0200	<1.00	83	70-130		
Surrogate: DCAA-surr		*S*	*0.134*	*mg/L*	*0.0998*		*134*	*70-130*		
Matrix Spike Dup (BIA3398-MSD1)		**Source: 25A3389-01**			Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	0.0199	U	10.0	mg/L	0.0206	0.000545	94	70-130	2	30
Silvex (2,4,5-TP)	0.0160	U	1.00	mg/L	0.0200	<1.00	80	70-130	3	30
Surrogate: DCAA-surr			*0.119*	*mg/L*	*0.100*		*119*	*70-130*		
Batch: BIA3432 - SW-3511										
MB SV (BIA3432-BLK1)					Prepared & Analyzed: 01/29/2025					
2,4,5-Trichlorophenol	<0.00125	U	0.00125	mg/L						
2,4,6-Trichlorophenol	<0.00125	U	0.00125	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00125	U	0.00125	mg/L						
2-Methylphenol (o-Cresol)	<0.00125	U	0.00125	mg/L						
3,4-Methylphenol	<0.00125	U	0.00125	mg/L						
Hexachlorobenzene	<0.00125	U	0.00125	mg/L						
Hexachlorobutadiene	<0.00125	U	0.00125	mg/L						
Hexachloroethane	<0.00125	U	0.00125	mg/L						
Nitrobenzene	<0.00125	U	0.00125	mg/L						
Pentachlorophenol	<0.00125	U	0.00125	mg/L						
Pyridine	<0.00125	U	0.00125	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.00833*	*mg/L*	*0.00997*		*83.6*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0189*	*mg/L*	*0.0199*		*94.9*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0203*	*mg/L*	*0.0199*		*102*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00986*	*mg/L*	*0.00997*		*98.9*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0177*	*mg/L*	*0.0199*		*88.7*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00612*	*mg/L*	*0.00997*		*61.4*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3432 - SW-3511 (Continued)										
BS SV (BIA3432-BS1)					Prepared & Analyzed: 01/29/2025					
2,4,5-Trichlorophenol	0.0196	U	400	mg/L	0.0198		98.9	60-140		
2,4,6-Trichlorophenol	0.0184	U	2.00	mg/L	0.0198		93.1	60-140		
2,4-Dinitrotoluene (2,4-DNT)	0.00780	U	0.130	mg/L	0.00989		78.9	60-140		
2-Methylphenol (o-Cresol)	0.0169	U	200	mg/L	0.0198		85.5	60-140		
3,4-Methylphenol	0.0314	U	200	mg/L	0.0395		79.5	60-140		
Hexachlorobenzene	0.00877	U	0.130	mg/L	0.00989		88.7	60-140		
Hexachlorobutadiene	0.00641	U	0.500	mg/L	0.00989		64.9	60-140		
Hexachloroethane	0.00797	U	3.00	mg/L	0.00989		80.6	60-140		
Nitrobenzene	0.0103	U	2.00	mg/L	0.00989		104	60-140		
Pentachlorophenol	0.0199	U	100	mg/L	0.0198		100	36.8-149		
Pyridine	0.0224	U	5.00	mg/L	0.0494		45.3	2.5-101		
Surrogate: 2-Fluorobiphenyl-surr			*0.00834*	*mg/L*	*0.00989*		*84.4*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0193*	*mg/L*	*0.0198*		*97.4*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0189*	*mg/L*	*0.0198*		*95.7*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00899*	*mg/L*	*0.00989*		*90.9*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0184*	*mg/L*	*0.0198*		*92.9*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00944*	*mg/L*	*0.00989*		*95.5*	*51.9-147*		
BSD SV (BIA3432-BSD1)					Prepared: 01/29/2025 Analyzed: 01/30/2025					
2,4,5-Trichlorophenol	0.0188	U	400	mg/L	0.0196		96.2	60-140	3.88	40
2,4,6-Trichlorophenol	0.0189	U	2.00	mg/L	0.0196		96.4	60-140	2.48	40
2,4-Dinitrotoluene (2,4-DNT)	0.00768	U	0.130	mg/L	0.00978		78.5	60-140	1.51	40
2-Methylphenol (o-Cresol)	0.0169	U	200	mg/L	0.0196		86.4	60-140	0.0383	40
3,4-Methylphenol	0.0331	U	200	mg/L	0.0391		84.7	60-140	5.25	40
Hexachlorobenzene	0.00876	U	0.130	mg/L	0.00978		89.6	60-140	0.0753	40
Hexachlorobutadiene	0.00603	U	0.500	mg/L	0.00978		61.6	60-140	6.14	40
Hexachloroethane	0.00675	U	3.00	mg/L	0.00978		68.9	60-140	16.6	40
Nitrobenzene	0.0102	U	2.00	mg/L	0.00978		104	60-140	0.955	40
Pentachlorophenol	0.0198	U	100	mg/L	0.0196		101	36.8-149	0.281	40
Pyridine	0.0254	U	5.00	mg/L	0.0489		52.0	2.5-101	12.8	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00826*	*mg/L*	*0.00978*		*84.5*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0192*	*mg/L*	*0.0196*		*98.1*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0185*	*mg/L*	*0.0196*		*94.8*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00910*	*mg/L*	*0.00978*		*93.0*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0197*	*mg/L*	*0.0196*		*101*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00943*	*mg/L*	*0.00978*		*96.4*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3432 - SW-3511 (Continued)										
BIA2763-BLK1 (BIA3432-LBK1)				Prepared: 01/29/2025 Analyzed: 01/30/2025						
2,4,5-Trichlorophenol	<0.00484	U	0.00484	mg/L						
2,4,6-Trichlorophenol	<0.00484	U	0.00484	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00484	U	0.00484	mg/L						
2-Methylphenol (o-Cresol)	<0.00484	U	0.00484	mg/L						
3,4-Methylphenol	<0.00484	U	0.00484	mg/L						
Hexachlorobenzene	<0.00484	U	0.00484	mg/L						
Hexachlorobutadiene	<0.00484	U	0.00484	mg/L						
Hexachloroethane	<0.00484	U	0.00484	mg/L						
Nitrobenzene	<0.00484	U	0.00484	mg/L						
Pentachlorophenol	<0.00484	U	0.00484	mg/L						
Pyridine	<0.00484	U	0.00484	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0297*	*mg/L*	*0.0388*		*76.7*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0638*	*mg/L*	*0.0775*		*82.3*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0741*	*mg/L*	*0.0775*		*95.5*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0422*	*mg/L*	*0.0388*		*109*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0750*	*mg/L*	*0.0775*		*96.7*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0220*	*mg/L*	*0.0388*		*56.8*	*51.9-147*		
BIA2889-BLK1 (BIA3432-LBK2)				Prepared: 01/29/2025 Analyzed: 01/30/2025						
2,4,5-Trichlorophenol	<0.00484	U	0.00484	mg/L						
2,4,6-Trichlorophenol	<0.00484	U	0.00484	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00484	U	0.00484	mg/L						
2-Methylphenol (o-Cresol)	<0.00484	U	0.00484	mg/L						
3,4-Methylphenol	<0.00484	U	0.00484	mg/L						
Hexachlorobenzene	<0.00484	U	0.00484	mg/L						
Hexachlorobutadiene	<0.00484	U	0.00484	mg/L						
Hexachloroethane	<0.00484	U	0.00484	mg/L						
Nitrobenzene	<0.00484	U	0.00484	mg/L						
Pentachlorophenol	<0.00484	U	0.00484	mg/L						
Pyridine	<0.00484	U	0.00484	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0319*	*mg/L*	*0.0388*		*82.3*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0677*	*mg/L*	*0.0775*		*87.3*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0810*	*mg/L*	*0.0775*		*104*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0370*	*mg/L*	*0.0388*		*95.5*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0642*	*mg/L*	*0.0775*		*82.8*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0238*	*mg/L*	*0.0388*		*61.4*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3432 - SW-3511 (Continued)										
25A3423-01 MS (BIA3432-MS1)			**Source: 25A3423-01**		Prepared: 01/29/2025 Analyzed: 01/30/2025					
2,4,5-Trichlorophenol	0.0828	U	400	mg/L	0.0775	<400	107	44.9-171		
2,4,6-Trichlorophenol	0.0716	U	2.00	mg/L	0.0775	<2.00	92.4	34.7-143		
2,4-Dinitrotoluene (2,4-DNT)	0.0353	U	0.130	mg/L	0.0388	<0.130	90.9	50.3-144		
2-Methylphenol (o-Cresol)	0.0716	U	200	mg/L	0.0775	<200	92.4	60-140		
3,4-Methylphenol	0.140	U	200	mg/L	0.155	<200	90.0	43.4-188		
Hexachlorobenzene	0.0334	U	0.130	mg/L	0.0388	<0.130	86.2	56.1-137		
Hexachlorobutadiene	0.0280	U	0.500	mg/L	0.0388	<0.500	72.2	33.1-110		
Hexachloroethane	0.0266	U	3.00	mg/L	0.0388	<3.00	68.7	36.2-106		
Nitrobenzene	0.0414	U	2.00	mg/L	0.0388	<2.00	107	54.9-156		
Pentachlorophenol	0.0876	U	100	mg/L	0.0775	<100	113	42.2-151		
Pyridine	0.0724	U	5.00	mg/L	0.194	<5.00	37.3	2-87.4		
Surrogate: 2-Fluorobiphenyl-surr			*0.0323*	*mg/L*	*0.0388*		*83.2*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0747*	*mg/L*	*0.0775*		*96.4*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0745*	*mg/L*	*0.0775*		*96.0*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0377*	*mg/L*	*0.0388*		*97.2*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0802*	*mg/L*	*0.0775*		*103*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0287*	*mg/L*	*0.0388*		*74.1*	*51.9-147*		
25A3423-01 MSD (BIA3432-MSD1)			**Source: 25A3423-01**		Prepared: 01/29/2025 Analyzed: 01/30/2025					
2,4,5-Trichlorophenol	0.0902	U	400	mg/L	0.0788	<400	114	44.9-171	8.61	40
2,4,6-Trichlorophenol	0.0722	U	2.00	mg/L	0.0788	<2.00	91.6	34.7-143	0.762	40
2,4-Dinitrotoluene (2,4-DNT)	0.0376	U	0.130	mg/L	0.0394	<0.130	95.3	50.3-144	6.37	40
2-Methylphenol (o-Cresol)	0.0682	U	200	mg/L	0.0788	<200	86.5	60-140	4.97	40
3,4-Methylphenol	0.142	U	200	mg/L	0.158	<200	89.9	43.4-188	1.58	40
Hexachlorobenzene	0.0330	U	0.130	mg/L	0.0394	<0.130	83.7	56.1-137	1.33	40
Hexachlorobutadiene	0.0262	U	0.500	mg/L	0.0394	<0.500	66.4	33.1-110	6.59	40
Hexachloroethane	0.0273	U	3.00	mg/L	0.0394	<3.00	69.4	36.2-106	2.69	40
Nitrobenzene	0.0388	U	2.00	mg/L	0.0394	<2.00	98.5	54.9-156	6.30	40
Pentachlorophenol	0.0891	U	100	mg/L	0.0788	<100	113	42.2-151	1.73	40
Pyridine	0.0748	U	5.00	mg/L	0.197	<5.00	38.0	2-87.4	3.33	40
Surrogate: 2-Fluorobiphenyl-surr			*0.0330*	*mg/L*	*0.0394*		*83.7*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0734*	*mg/L*	*0.0788*		*93.1*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0778*	*mg/L*	*0.0788*		*98.7*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0372*	*mg/L*	*0.0394*		*94.5*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0753*	*mg/L*	*0.0788*		*95.5*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0291*	*mg/L*	*0.0394*		*73.9*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1099 - EPA 200.2 TCLP										
Blank (BIB1099-BLK2)					Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	<5.00	U	5.00	mg/L						
LCS (BIB1099-BS2)					Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	0.0520	U	5.00	mg/L	0.0500		104	80-120		
Duplicate (BIB1099-DUP2)		**Source: 25A3540-02RE1**			Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	<5.00	U	5.00	mg/L		<5.00				20
Duplicate (BIB1099-DUP3)		**Source: 25A3389-02RE1**			Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	<5.00	U	5.00	mg/L		<5.00				20
BIA2889-LBK1 (BIB1099-LBK1)					Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	<5.00	U	5.00	mg/L						
BIA2763-LBK2 (BIB1099-LBK2)					Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	<5.00	U	5.00	mg/L						
Matrix Spike (BIB1099-MS2)		**Source: 25A3540-02RE1**			Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	0.0557	U	5.00	mg/L	0.0500	<5.00	111	75-125		
Matrix Spike (BIB1099-MS3)		**Source: 25A3389-02RE1**			Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	0.0534	U	5.00	mg/L	0.0500	<5.00	107	75-125		
Post Spike (BIB1099-PS2)		**Source: 25A3540-02RE1**			Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	58.1			ug/L	50.0	0.624	115	80-120		
Post Spike (BIB1099-PS3)		**Source: 25A3389-02RE1**			Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	60.4			ug/L	50.0	0.341	120	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1099 - EPA 200.2 TCLP (Continued)										
Dilution Check (BIB1099-SRL2)			**Source: 25A3540-02RE1**		Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	<5.00	U	5.00	mg/L		<5.00				10
Dilution Check (BIB1099-SRL3)			**Source: 25A3389-02RE1**		Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	<5.00	U	5.00	mg/L		<5.00				10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Sample Condition Checklist

Work Order: 25A3540

Check Points	
No	Custody Seals
No	Containers Intact
No	COC/Labels Agree
No	Received On Ice
No	Appropriate Containers
No	Appropriate Sample Volume
No	Coolers Intact
No	Samples Accepted

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:34

Term and Qualifier Definitions

Item	Definition
H	The parameter was analyzed outside the method specified holding time.
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
S	The surrogate recovery was outside the established laboratory recovery limit.
TV	Estimated value - The method required temperature requirement was outside of the acceptable range.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A3540

F2

K3BMI Kendall Smith 9458 FM 362 Brookshire, TX 77423 Phone: (281) 375-5778	**Project Name** : Permit 4518 - Annual Soil Sample - 2C - Composited **Project Comments:**	**Schedule Comments:**

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
25A3540-01	0 - 6 inch Composite	1-15-25 4:00pm	1-15-25 4:40pm	S Composite	A HDPE MET 250mL B HDPE MET 250mL C Glass 250mL w/ Teflon-lined Lid D HDPE 250mL E Glass VOA 40mL F Glass VOA 40mL G Glass VOA 40mL H Glass Wide 1L w/ Teflon-lined Lid I HDPE 250mL J Glass VOA 60mL Protocol A	Arsenic ICP 6010 Arsenic ICP TCLP Barium ICP TCLP Cadmium ICP 6010 Cadmium ICP TCLP Chromium ICP 6010 Chromium ICP TCLP Copper ICP 6010 Hg-7471 Hg-7471-TCLP Lead ICP 6010 Lead ICP TCLP Molybdenum ICP 6010 Nickel ICP 6010 Selenium ICP TCLP Silver ICP TCLP Zinc ICP 6010 HERB-TCLP OCP-8081-TCLP PCB-8082 SVOA-TCLP TCLP Bottle TCLP ZHE VOA-TCLP pH-9045 TS-2540 G	4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A3540

K3BMI Kendall Smith 9458 FM 362 Brookshire, TX 77423 Phone: (281) 375-5778	**Project Name** : Permit 4518 - Annual Soil Sample - 25 - Composited **Project Comments:**

Schedule Comments:

25A3540-02	6 - 24 inch Composite	1-15-25 4:00pm	1-15-25 4:40pm	S Composite	A HDPE MET 250mL B HDPE MET 250mL C Glass 250mL w/ Teflon-lined Lid D HDPE 250mL E Glass VOA 40mL F Glass VOA 40mL G Glass VOA 40mL H Glass Wide 1L w/ Teflon-lined Lid I HDPE 250mL J Glass VOA 60mL Protocol A	Arsenic ICP 6010 4°C Arsenic ICP TCLP 4°C Barium ICP TCLP 4°C Cadmium ICP 6010 4°C Cadmium ICP TCLP 4°C Chromium ICP 6010 4°C Chromium ICP TCLP 4°C Copper ICP 6010 4°C Hg-7471 4°C Hg-7471-TCLP 4°C Lead ICP 6010 4°C Lead ICP TCLP 4°C Molybdenum ICP 6010 4°C Nickel ICP 6010 4°C Selenium ICP TCLP 4°C Silver ICP TCLP 4°C Zinc ICP 6010 4°C HERB-TCLP 4°C OCP-8081-TCLP 4°C PCB-8082 4°C SVOA-TCLP 4°C TCLP Bottle 4°C TCLP ZHE 4°C VOA-TCLP 4°C pH-9045 4°C TS-2540 G 4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A3540

K3BMI Kendall Smith 9458 FM 362 Brookshire, TX 77423 Phone: (281) 375-5778	**Project Name** : Permit 4518 - Annual Soil Sample - 2C - Composited **Project Comments:**	**Schedule Comments:**

Field Remarks:		**Preservation:** (Circle and Write ID) H2SO4 HNO3 NaOH Other:		
Sampler (Signature) KSmith	Relinquished By: (Signature) Kendall	Date/Time 10:11 1-17-25	Received By: (Signature)	Date/Time 1-17-25 1011
Print Name Kendall Smith	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 1-17-25 1600	Received for Laboratory By: (Signature) KMC	Date/Time 1600 1-17-25

Custody Seal : Yes / No — COC Labels Agree: Yes / No — Appropriate Volume: Yes / No — Received on Ice: Yes / No — Temperature: °C

Container Intact : Yes / No — Appropriate Containers: Yes / No — Coolers Intact: Yes / No — Samples Accepted: Yes / No — Thermometer ID:

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

February 20, 2025

LABORATORY REPORT

Kendall Smith
K3BMI
9458 FM 362
Brookshire, TX 77423

Report ID: 20250220133045RLR

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Rebecca Rabon
Assistant Project Manager

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Laboratory Sample Results

Permit 4518 - Annual Soil Sample - F3 - Composited **Sample Matrix:** **Sludge**

Client Sample ID: **0 - 6 inch Composite** **Date Collected:** **01/16/2025 8:40**
Lab Sample ID: **25A3541-01** **Collected by:** **Kendall Smith**

Method	Analyte	*	Result	Units	Q	DF	SDL	LRL	Batch	Analyzed	Analyst
General Chemistry SM 2540 G	% Solids	A	84.7	%		1	0.100	0.100	BIA2632	01/23/2025 09:04	BP
General Chemistry SW-9045C	pH	A	7.59	pH Units @ 25 °C	H	1		0.0998	BIA2899	01/24/2025 09:39	FPN
Metals, Total SW-6010C	Arsenic	A	1.48	mg/kg dry		1	0.236	1.08	BIA2783	01/30/2025 11:08	JBM
Metals, Total SW-6010C	Cadmium	A	<0.108	mg/kg dry	U	1	0.0280	0.108	BIA2783	01/30/2025 11:08	JBM
Metals, Total SW-6010C	Chromium	A	8.07	mg/kg dry		1	0.404	0.540	BIA2783	01/30/2025 11:08	TBB
Metals, Total SW-6010C	Copper	A	8.29	mg/kg dry		1	0.115	1.08	BIA2783	01/30/2025 11:08	JBM
Metals, Total SW-6010C	Lead	A	6.69	mg/kg dry		1	0.274	0.540	BIA2783	01/30/2025 11:08	JBM
Metals, Total SW-7471B	Mercury	A	0.0188	mg/kg dry		1	0.00590	0.0118	BIA2702	01/23/2025 15:17	KSI
Metals, Total SW-6010C	Molybdenum	A	<0.540	mg/kg dry	U	1	0.540	0.540	BIA2783	01/30/2025 11:08	JBM
Metals, Total SW-6010C	Nickel	A	1.91	mg/kg dry		1	0.145	0.540	BIA2783	01/30/2025 11:08	JBM
Metals, Total SW-6010C	Zinc	A	19.2	mg/kg dry		1	0.540	0.540	BIA2783	02/11/2025 08:41	TBB
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*	*95.6%*		*60-140*							
SW-8082	*Surrogate: Decachlorobiphenyl-surr*	*80.0%*		*60-140*							
Organics by GC SW-8082	PCBs, Total	A	<7.02	ug/kg dry	U	10	0.200	7.02	BIA2708	01/29/2025 08:13	SHU
TCLP SW-8260	1,1-Dichloroethylene	A	<0.700	mg/L	U	10	0.00849	0.700	BIA2922	01/27/2025 20:57	DDB
TCLP SW-8260	1,2-Dichloroethane (Ethylene dichloride)	A	<0.500	mg/L	U	10	0.00870	0.500	BIA2922	01/27/2025 20:57	DDB
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*	*103%*		*70-130*							
TCLP SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<7.50	mg/L	U	10	0.00641	7.50	BIA2922	01/27/2025 20:57	DDB
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*	*100%*		*60-140*							
TCLP SW-8270	2,4,5-Trichlorophenol	A	<400	mg/L	U	1	0.00247	400	BIA3432	01/30/2025 05:34	KRB
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*	*110%*		*52.4-136*							
TCLP SW-8270	2,4,6-Trichlorophenol	A	<2.00	mg/L	U	1	0.00247	2.00	BIA3432	01/30/2025 05:34	KRB
TCLP SW-8151	2,4-D	A	<10.0	mg/L	U	2	0.000475	10.0	BIA3398	01/29/2025 10:44	KRB
TCLP SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	mg/L	U	1	0.00247	0.130	BIA3432	01/30/2025 05:34	KRB
TCLP SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	A	<200	mg/L	U	10	0.0738	200	BIA2922	01/27/2025 20:57	DDB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*	*86.1%*		*54.6-148*							
SW-8270	*Surrogate: 2-Fluorophenol-surr*	*93.7%*		*55-152*							
TCLP SW-8270	2-Methylphenol (o-Cresol)	A	<200	mg/L	U	1	0.00247	200	BIA3432	01/30/2025 05:34	KRB
TCLP SW-8270	3,4-Methylphenol	A	<200	mg/L	U	1	0.00247	200	BIA3432	01/30/2025 05:34	KRB

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Laboratory Sample Results
(Continued)

Permit 4518 - Annual Soil Sample - F3 - Composited **Sample Matrix:** **Sludge**

Client Sample ID: **0 - 6 inch Composite (Continued)** **Date Collected:** **01/16/2025 8:40**
Lab Sample ID: **25A3541-01** **Collected by:** **Kendall Smith**

Method	Analyte	*	Result	Units	Q	DF	SDL	LRL	Batch	Analyzed	Analyst
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*	*107%*		*70-130*							
TCLP SW-6010C	Arsenic	A	<5.00	mg/L	U	1	0.00367	5.00	BIA2898	01/28/2025 17:21	AKR
TCLP SW-6010C	Barium	A	<100	mg/L	U	1	0.00125	100	BIA2898	01/28/2025 17:21	AKR
TCLP SW-8260	Benzene	A	<0.500	mg/L	U	10	0.00604	0.500	BIA2922	01/27/2025 20:57	DDB
TCLP SW-6010C	Cadmium	A	<1.00	mg/L	U	1	0.000423	1.00	BIA2898	01/29/2025 15:59	JKC
TCLP SW-8260	Carbon tetrachloride	A	<0.500	mg/L	U	10	0.00500	0.500	BIA2922	01/27/2025 20:57	DDB
TCLP SW-8081	Chlordane (Total)	A	<0.0300	mg/L	U	1	2.86E-6	0.0300	BIA3231	01/30/2025 07:59	KRB
TCLP SW-8260	Chlorobenzene	A	<100	mg/L	U	10	0.00724	100	BIA2922	01/27/2025 20:57	DDB
TCLP SW-8260	Chloroform	A	<6.00	mg/L	U	10	0.00688	6.00	BIA2922	01/27/2025 20:57	DDB
TCLP SW-6010C	Chromium	A	<5.00	mg/L	U	1	0.00131	5.00	BIA2898	01/28/2025 17:21	AKR
SW-8151	*Surrogate: DCAA-surr*	*143% S*		*70-130*							
SW-8081	*Surrogate: Decachlorobiphenyl-surr*	*82.1%*		*60-140*							
SW-8260	*Surrogate: Dibromofluoromethane-surr*	*107%*		*70-130*							
TCLP SW-8081	Endrin	N	<0.0200	mg/L	U	1	2.86E-6	0.0200	BIA3231	01/30/2025 07:59	KRB
TCLP SW-8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexa nE)	A	<0.400	mg/L	U	1	2.86E-6	0.400	BIA3231	01/30/2025 07:59	KRB
TCLP SW-8081	Heptachlor	A	<0.00800	mg/L	U	1	2.86E-6	0.00800	BIA3231	01/30/2025 07:59	KRB
TCLP SW-8081	Heptachlor epoxide	A	<0.00800	mg/L	U	1	2.86E-6	0.00800	BIA3231	01/30/2025 07:59	KRB
TCLP SW-8270	Hexachlorobenzene	A	<0.130	mg/L	U	1	0.00247	0.130	BIA3432	01/30/2025 05:34	KRB
TCLP SW-8270	Hexachlorobutadiene	A	<0.500	mg/L	U	1	0.00247	0.500	BIA3432	01/30/2025 05:34	KRB
TCLP SW-8270	Hexachloroethane	A	<3.00	mg/L	U	1	0.00247	3.00	BIA3432	01/30/2025 05:34	KRB
TCLP SW-6010C	Lead	A	<5.00	mg/L	U	1	0.00341	5.00	BIA2898	01/29/2025 15:59	TBB
TCLP SW-7471B	Mercury	A	<0.200	mg/L	U	1	0.000127	0.200	BIA3295	01/28/2025 14:08	KSI
TCLP SW-8081	Methoxychlor	A	<10.0	mg/L	U	1	2.86E-6	10.0	BIA3231	01/30/2025 07:59	KRB
TCLP SW-8270	Nitrobenzene	A	<2.00	mg/L	U	1	0.00247	2.00	BIA3432	01/30/2025 05:34	KRB
SW-8270	*Surrogate: Nitrobenzene-d5-surr*	*105%*		*52-162*							
TCLP SW-8270	Pentachlorophenol	A	<100	mg/L	U	1	0.00247	100	BIA3432	01/30/2025 05:34	KRB
SW-8270	*Surrogate: Phenol-d5-surr*	*93.3%*		*58.7-152*							
SW-8270	*Surrogate: p-Terphenyl-d14-surr*	*74.5%*		*51.9-147*							
TCLP SW-8270	Pyridine	A	<5.00	mg/L	U	1	0.00247	5.00	BIA3432	01/30/2025 05:34	KRB
TCLP SW-6010C	Selenium	A	<1.00	mg/L	U	1	0.00531	1.00	BIA2898	01/28/2025 17:21	AKR

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Laboratory Sample Results
(Continued)

Permit 4518 - Annual Soil Sample - F3 - Composited **Sample Matrix:** **Sludge**

Client Sample ID: **0 - 6 inch Composite (Continued)** **Date Collected:** **01/16/2025 8:40**
Lab Sample ID: **25A3541-01** **Collected by:** **Kendall Smith**

Method	Analyte	*	Result	Units	Q	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP SW-8151	Silvex (2,4,5-TP)	A	<1.00	mg/L	U	2	0.000475	1.00	BIA3398	01/29/2025 10:44	KRB
TCLP SW-8260	Tetrachloroethylene (Perchloroethylene)	A	<0.700	mg/L	U	10	0.00703	0.700	BIA2922	01/27/2025 20:57	DDB
SW-8260	*Surrogate: Toluene-d8-surr*		*97.0%*				*70-130*				
TCLP SW-8081	Toxaphene (Chlorinated Camphene)	A	<0.500	mg/L	U	1	2.86E-6	0.500	BIA3231	01/30/2025 07:59	KRB
TCLP SW-8260	Trichloroethene (Trichloroethylene)	A	<0.500	mg/L	U	10	0.00744	0.500	BIA2922	01/27/2025 20:57	DDB
TCLP SW-8260	Vinyl chloride (Chloroethene)	A	<0.200	mg/L	U	10	0.0130	0.200	BIA2922	01/27/2025 20:57	DDB

Client Sample ID: **0 - 6 inch Composite** **Date Collected:** **01/16/2025 8:40**
Lab Sample ID: **25A3541-01RE1** **Collected by:** **Kendall Smith**

Method	Analyte	*	Result	Units	Q	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP SW-6010C	Silver (Rerun)	A	<5.00	mg/L	U	1	0.00142	5.00	BIB1099	02/13/2025 12:10	JBM

Client Sample ID: **6 - 24 inch Composite** **Date Collected:** **01/16/2025 8:40**
Lab Sample ID: **25A3541-02** **Collected by:** **Kendall Smith**

Method	Analyte	*	Result	Units	Q	DF	SDL	LRL	Batch	Analyzed	Analyst
General Chemistry SM 2540 G	% Solids	A	84.2	%		1	0.100	0.100	BIA2632	01/23/2025 09:04	BP
General Chemistry SW-9045C	pH	A	7.42	pH Units @ 25 °C		1		0.0979	BIA2758	01/23/2025 10:02	FPN
Metals, Total SW-6010C	Arsenic	A	1.70	mg/kg dry		1	0.250	1.14	BIA2783	01/30/2025 11:32	JBM
Metals, Total SW-6010C	Cadmium	A	<0.114	mg/kg dry	U, TV	1	0.0296	0.114	BIA2783	01/30/2025 11:32	JBM
Metals, Total SW-6010C	Chromium	A	7.60	mg/kg dry		1	0.428	0.572	BIA2783	01/30/2025 11:32	TBB
Metals, Total SW-6010C	Copper	A	3.05	mg/kg dry		1	0.122	1.14	BIA2783	01/30/2025 11:32	JBM
Metals, Total SW-6010C	Lead	A	7.55	mg/kg dry		1	0.291	0.572	BIA2783	01/30/2025 11:32	JBM
Metals, Total SW-7471B	Mercury	A	0.0118	mg/kg dry	U, TV	1	0.00592	0.0118	BIA2702	01/23/2025 15:21	KSI
Metals, Total SW-6010C	Molybdenum	A	<0.572	mg/kg dry	U, TV	1	0.572	0.572	BIA2783	01/30/2025 11:32	JBM
Metals, Total SW-6010C	Nickel	A	1.95	mg/kg dry		1	0.154	0.572	BIA2783	01/30/2025 11:32	JBM
Metals, Total SW-6010C	Zinc	A	4.97	mg/kg dry		1	0.572	0.572	BIA2783	02/11/2025 08:44	TBB
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*79.5%*				*60-140*				
SW-8082	*Surrogate: Decachlorobiphenyl-surr*		*68.9%*				*60-140*				
Organics by GC SW-8082	PCBs, Total	A	<6.98	ug/kg dry	U, TV	10	0.199	6.98	BIA2708	01/29/2025 08:39	SHU
TCLP SW-8260	1,1-Dichloroethylene	A	<0.700	mg/L	U, TV	10	0.00849	0.700	BIA2922	01/27/2025 23:34	DDB
TCLP SW-8260	1,2-Dichloroethane (Ethylene dichloride)	A	<0.500	mg/L	U, TV	10	0.00870	0.500	BIA2922	01/27/2025 23:34	DDB
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*		*107%*				*70-130*				

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Laboratory Sample Results
(Continued)

Permit 4518 - Annual Soil Sample - F3 - Composited **Sample Matrix:** **Sludge**

Client Sample ID: **6 - 24 inch Composite (Continued)** **Date Collected:** **01/16/2025 8:40**
Lab Sample ID: **25A3541-02** **Collected by:** **Kendall Smith**

Method	Analyte	*	Result	Units	Q	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<7.50	mg/L	U, TV	10	0.00641	7.50	BIA2922	01/27/2025 23:34	DDB
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*	*92.3%*		*60-140*							
TCLP SW-8270	2,4,5-Trichlorophenol	A	<400	mg/L	U, TV	1	0.00247	400	BIA3432	01/30/2025 06:10	KRB
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*	*122%*		*52.4-136*							
TCLP SW-8270	2,4,6-Trichlorophenol	A	<2.00	mg/L	U, TV	1	0.00247	2.00	BIA3432	01/30/2025 06:10	KRB
TCLP SW-8151	2,4-D	A	<10.0	mg/L	U, TV	2	0.000474	10.0	BIA3398	01/29/2025 11:07	KRB
TCLP SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	mg/L	U, TV	1	0.00247	0.130	BIA3432	01/30/2025 06:10	KRB
TCLP SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	A	<200	mg/L	U, TV	10	0.0738	200	BIA2922	01/27/2025 23:34	DDB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*	*90.5%*		*54.6-148*							
SW-8270	*Surrogate: 2-Fluorophenol-surr*	*102%*		*55-152*							
TCLP SW-8270	2-Methylphenol (o-Cresol)	A	<200	mg/L	U, TV	1	0.00247	200	BIA3432	01/30/2025 06:10	KRB
TCLP SW-8270	3,4-Methylphenol	A	<200	mg/L	U, TV	1	0.00247	200	BIA3432	01/30/2025 06:10	KRB
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*	*104%*		*70-130*							
TCLP SW-6010C	Arsenic	A	<5.00	mg/L	U, TV	1	0.00367	5.00	BIA2898	01/28/2025 17:51	AKR
TCLP SW-6010C	Barium	A	<100	mg/L	U, TV	1	0.00125	100	BIA2898	01/28/2025 17:51	AKR
TCLP SW-8260	Benzene	A	<0.500	mg/L	U, TV	10	0.00604	0.500	BIA2922	01/27/2025 23:34	DDB
TCLP SW-6010C	Cadmium	A	<1.00	mg/L	U, TV	1	0.000423	1.00	BIA2898	01/29/2025 16:40	JKC
TCLP SW-8260	Carbon tetrachloride	A	<0.500	mg/L	U, TV	10	0.00500	0.500	BIA2922	01/27/2025 23:34	DDB
TCLP SW-8081	Chlordane (Total)	A	<0.0300	mg/L	U, TV	1	2.99E-6	0.0300	BIA3231	01/30/2025 08:23	KRB
TCLP SW-8260	Chlorobenzene	A	<100	mg/L	U, TV	10	0.00724	100	BIA2922	01/27/2025 23:34	DDB
TCLP SW-8260	Chloroform	A	<6.00	mg/L	U, TV	10	0.00688	6.00	BIA2922	01/27/2025 23:34	DDB
TCLP SW-6010C	Chromium	A	<5.00	mg/L	U, TV	1	0.00131	5.00	BIA2898	01/28/2025 17:51	AKR
SW-8151	*Surrogate: DCAA-surr*	*132%*	*S, TV*	*70-130*							
SW-8081	*Surrogate: Decachlorobiphenyl-surr*	*33.9%*	*S, TV*	*60-140*							
SW-8260	*Surrogate: Dibromofluoromethane-surr*	*109%*		*70-130*							
TCLP SW-8081	Endrin	N	<0.0200	mg/L	U, TV	1	2.99E-6	0.0200	BIA3231	01/30/2025 08:23	KRB
TCLP SW-8081	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	A	<0.400	mg/L	U, TV	1	2.99E-6	0.400	BIA3231	01/30/2025 08:23	KRB
TCLP SW-8081	Heptachlor	A	<0.00800	mg/L	U, TV	1	2.99E-6	0.00800	BIA3231	01/30/2025 08:23	KRB

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Laboratory Sample Results
(Continued)

Permit 4518 - Annual Soil Sample - F3 - Composited **Sample Matrix:** **Sludge**

Client Sample ID: **6 - 24 inch Composite (Continued)** **Date Collected:** **01/16/2025 8:40**
Lab Sample ID: **25A3541-02** **Collected by:** **Kendall Smith**

Method	Analyte	*	Result	Units	Q	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP SW-8081	Heptachlor epoxide	A	<0.00800	mg/L	U, TV	1	2.99E-6	0.00800	BIA3231	01/30/2025 08:23	KRB
TCLP SW-8270	Hexachlorobenzene	A	<0.130	mg/L	U, TV	1	0.00247	0.130	BIA3432	01/30/2025 06:10	KRB
TCLP SW-8270	Hexachlorobutadiene	A	<0.500	mg/L	U, TV	1	0.00247	0.500	BIA3432	01/30/2025 06:10	KRB
TCLP SW-8270	Hexachloroethane	A	<3.00	mg/L	U, TV	1	0.00247	3.00	BIA3432	01/30/2025 06:10	KRB
TCLP SW-6010C	Lead	A	<5.00	mg/L	U, TV	1	0.00341	5.00	BIA2898	01/29/2025 16:40	TBB
TCLP SW-7471B	Mercury	A	<0.200	mg/L	U, TV	1	0.000127	0.200	BIA3295	01/28/2025 14:18	KSI
TCLP SW-8081	Methoxychlor	A	<10.0	mg/L	U, TV	1	2.99E-6	10.0	BIA3231	01/30/2025 08:23	KRB
TCLP SW-8270	Nitrobenzene	A	<2.00	mg/L	U, TV	1	0.00247	2.00	BIA3432	01/30/2025 06:10	KRB
SW-8270	*Surrogate: Nitrobenzene-d5-surr*	*105%*		*52-162*							
TCLP SW-8270	Pentachlorophenol	A	<100	mg/L	U, TV	1	0.00247	100	BIA3432	01/30/2025 06:10	KRB
SW-8270	*Surrogate: Phenol-d5-surr*	*103%*		*58.7-152*							
SW-8270	*Surrogate: p-Terphenyl-d14-surr*	*90.2%*		*51.9-147*							
TCLP SW-8270	Pyridine	A	<5.00	mg/L	U, TV	1	0.00247	5.00	BIA3432	01/30/2025 06:10	KRB
TCLP SW-6010C	Selenium	A	<1.00	mg/L	U, TV	1	0.00531	1.00	BIA2898	01/28/2025 17:51	AKR
TCLP SW-8151	Silvex (2,4,5-TP)	A	<1.00	mg/L	U, TV	2	0.000474	1.00	BIA3398	01/29/2025 11:07	KRB
TCLP SW-8260	Tetrachloroethylene (Perchloroethylene)	A	<0.700	mg/L	U, TV	10	0.00703	0.700	BIA2922	01/27/2025 23:34	DDB
SW-8260	*Surrogate: Toluene-d8-surr*	*96.0%*		*70-130*							
TCLP SW-8081	Toxaphene (Chlorinated Camphene)	A	<0.500	mg/L	U, TV	1	2.99E-6	0.500	BIA3231	01/30/2025 08:23	KRB
TCLP SW-8260	Trichloroethene (Trichloroethylene)	A	<0.500	mg/L	U, TV	10	0.00744	0.500	BIA2922	01/27/2025 23:34	DDB
TCLP SW-8260	Vinyl chloride (Chloroethene)	A	<0.200	mg/L	U, TV	10	0.0130	0.200	BIA2922	01/27/2025 23:34	DDB

Client Sample ID: **6 - 24 inch Composite** **Date Collected:** **01/16/2025 8:40**
Lab Sample ID: **25A3541-02RE1** **Collected by:** **Kendall Smith**

Method	Analyte	*	Result	Units	Q	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP SW-6010C	Silver (Rerun)	A	<5.00	mg/L	U, TV	1	0.00142	5.00	BIB1099	02/13/2025 12:13	JBM

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2708 - SW-3570										
Blank (BIA2708-BLK1)				Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	<5.98	U	5.98	ug/kg wet						
Aroclor-1221 (PCB-1221)	<5.98	U	5.98	ug/kg wet						
Aroclor-1232 (PCB-1232)	<5.98	U	5.98	ug/kg wet						
Aroclor-1242 (PCB-1242)	<5.98	U	5.98	ug/kg wet						
Aroclor-1248 (PCB-1248)	<5.98	U	5.98	ug/kg wet						
Aroclor-1254 (PCB-1254)	<5.98	U	5.98	ug/kg wet						
Aroclor-1260 (PCB-1260)	<5.98	U	5.98	ug/kg wet						
Aroclor-1262 (PCB-1262)	<5.98	U	5.98	ug/kg wet						
Aroclor-1268 (PCB-1268)	<5.98	U	5.98	ug/kg wet						
PCBs, Total	<5.98	U	5.98	ug/kg wet						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*4.56*	*ug/kg wet*	*5.98*		*76.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.13*	*ug/kg wet*	*5.98*		*85.8*	*60-140*		
LCS (BIA2708-BS1)				Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	54.2		5.96	ug/kg wet	59.6		90.9	60-140		
Aroclor-1260 (PCB-1260)	53.4		5.96	ug/kg wet	59.6		89.6	60-140		
PCBs, Total	53.8		5.96	ug/kg wet	59.6		90.3	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*2.15*	*ug/kg wet*	*5.96*		*36.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*4.47*	*ug/kg wet*	*5.96*		*74.9*	*60-140*		
LCS Dup (BIA2708-BSD1)				Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	61.7		5.96	ug/kg wet	59.6		104	60-140	12.9	40
Aroclor-1260 (PCB-1260)	60.2		5.96	ug/kg wet	59.6		101	60-140	12.0	40
PCBs, Total	61.0		5.96	ug/kg wet	59.6		102	60-140	12.4	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*2.24*	*ug/kg wet*	*5.96*		*37.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.02*	*ug/kg wet*	*5.96*		*84.3*	*60-140*		
Matrix Spike (BIA2708-MS1)	**Source: 25A3389-01**			Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	77.1		7.04	ug/kg dry	70.4	<7.04	109	60-140		
Aroclor-1260 (PCB-1260)	73.3		7.04	ug/kg dry	70.4	4.25	98.0	60-140		
PCBs, Total	75.2		7.04	ug/kg dry	70.4	4.25	101	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*8.19*	*ug/kg dry*	*7.04*		*116*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*6.09*	*ug/kg dry*	*7.04*		*86.5*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2708 - SW-3570 (Continued)										
Matrix Spike Dup (BIA2708-MSD1)		**Source: 25A3389-01**			Prepared: 01/23/2025 Analyzed: 01/29/2025					
Aroclor-1016 (PCB-1016)	70.5		7.01	ug/kg dry	70.1	<7.01	101	60-140	8.84	40
Aroclor-1260 (PCB-1260)	66.5		7.01	ug/kg dry	70.1	4.25	88.9	60-140	9.67	40
PCBs, Total	68.5		7.01	ug/kg dry	70.1	4.25	91.7	60-140	9.24	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.67*	*ug/kg dry*	*7.01*		*109*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.65*	*ug/kg dry*	*7.01*		*80.6*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2702 - SW-7471										
MDL Check (BIA2702-MRL1)					Prepared & Analyzed: 01/23/2025					
Mercury	0.0106	U	0.0200	mg/kg wet	0.0100		106			
Matrix Spike (BIA2702-MS1)		**Source: 25A2597-06**			Prepared & Analyzed: 01/23/2025					
Mercury	0.500		0.0284	mg/kg dry	0.355	0.0945	114	80-120		
Matrix Spike (BIA2702-MS2)		**Source: 25A3540-01**			Prepared & Analyzed: 01/23/2025					
Mercury	0.208		0.0118	mg/kg dry	0.148	0.0553	103	80-120		
Matrix Spike Dup (BIA2702-MSD1)		**Source: 25A2597-06**			Prepared & Analyzed: 01/23/2025					
Mercury	0.540	J1	0.0286	mg/kg dry	0.357	0.0945	125	80-120	7.72	20
Matrix Spike Dup (BIA2702-MSD2)		**Source: 25A3540-01**			Prepared & Analyzed: 01/23/2025					
Mercury	0.222		0.0118	mg/kg dry	0.148	0.0553	113	80-120	6.82	20
Batch: BIA2783 - SW-3050 for 6010										
Blank (BIA2783-BLK1)					Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	<0.0333	U	0.0333	mg/kg wet						
Cadmium	<0.00333	U	0.00333	mg/kg wet						
Chromium	<0.0167	U	0.0167	mg/kg wet						
Copper	<0.0333	U	0.0333	mg/kg wet						
Lead	<0.0167	U	0.0167	mg/kg wet						
Molybdenum	<0.0167	U	0.0167	mg/kg wet						
Nickel	<0.0167	U	0.0167	mg/kg wet						
Blank (BIA2783-BLK2)					Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	<0.0167	U	0.0167	mg/kg wet						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010 (Continued)										
LCS (BIA2783-BS1)					Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	0.801		0.0333	mg/kg wet	0.833		96.1	80-120		
Cadmium	0.0792		0.00333	mg/kg wet	0.0833		95.1	80-120		
Chromium	0.407		0.0167	mg/kg wet	0.417		97.6	80-120		
Copper	0.802		0.0333	mg/kg wet	0.833		96.2	80-120		
Lead	0.423		0.0167	mg/kg wet	0.417		101	80-120		
Molybdenum	0.400		0.0167	mg/kg wet	0.417		96.0	80-120		
Nickel	0.406		0.0167	mg/kg wet	0.417		97.3	80-120		
LCS (BIA2783-BS2)					Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	0.422		0.0167	mg/kg wet	0.417		101	80-120		
Matrix Spike (BIA2783-MS1)		**Source: 25A3540-01**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	29.7		1.14	mg/kg dry	28.6	3.39	92.1	75-125		
Cadmium	2.79		0.114	mg/kg dry	2.86	<0.114	97.7	75-125		
Chromium	22.2	J1	0.573	mg/kg dry	14.3	19.2	21.2	75-125		
Copper	589		22.9	mg/kg dry	601	32.4	92.6	75-125		
Lead	20.9		0.573	mg/kg dry	14.3	8.69	85.7	75-125		
Molybdenum	13.0		0.573	mg/kg dry	14.3	0.681	86.3	75-125		
Nickel	15.4		0.573	mg/kg dry	14.3	2.72	88.9	75-125		
Matrix Spike (BIA2783-MS2)		**Source: 25A3389-02**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	48.7		1.93	mg/kg dry	48.3	1.79	97.1	75-125		
Cadmium	4.80		0.193	mg/kg dry	4.83	0.258	94.0	75-125		
Chromium	33.1		0.968	mg/kg dry	24.1	9.95	95.8	75-125		
Copper	964		38.6	mg/kg dry	1010	11.6	93.9	75-125		
Lead	29.4		0.968	mg/kg dry	24.1	5.75	97.8	75-125		
Molybdenum	22.4		0.968	mg/kg dry	24.1	<0.968	92.6	75-125		
Nickel	24.9		0.968	mg/kg dry	24.1	2.25	93.6	75-125		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010 (Continued)										
Matrix Spike (BIA2783-MS3)		**Source: 25A3540-01**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	<28.7	J1, U	28.7	mg/kg dry	586	93.8	NR	75-125		
Matrix Spike (BIA2783-MS4)		**Source: 25A3389-02**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	1240		48.4	mg/kg dry	990	<48.4	125	75-125		
Matrix Spike Dup (BIA2783-MSD1)		**Source: 25A3540-01**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	30.5		1.18	mg/kg dry	29.7	3.39	91.4	75-125	2.47	20
Cadmium	2.90		0.118	mg/kg dry	2.97	<0.118	97.7	75-125	3.68	20
Chromium	23.2	J1	0.594	mg/kg dry	14.8	19.2	27.3	75-125	4.50	20
Copper	618		23.7	mg/kg dry	623	32.4	94.1	75-125	4.93	20
Lead	22.3		0.594	mg/kg dry	14.8	8.69	91.8	75-125	6.26	20
Molybdenum	13.4		0.594	mg/kg dry	14.8	0.681	85.7	75-125	2.81	20
Nickel	16.9		0.594	mg/kg dry	14.8	2.72	95.5	75-125	9.00	20
Matrix Spike Dup (BIA2783-MSD2)		**Source: 25A3389-02**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	50.3		1.95	mg/kg dry	48.7	1.79	99.7	75-125	3.37	20
Cadmium	4.78		0.195	mg/kg dry	4.87	0.258	92.7	75-125	0.469	20
Chromium	35.9		0.976	mg/kg dry	24.4	9.95	107	75-125	8.24	20
Copper	955		38.9	mg/kg dry	1020	11.6	92.2	75-125	0.941	20
Lead	30.6		0.976	mg/kg dry	24.4	5.75	102	75-125	4.12	20
Molybdenum	22.3		0.976	mg/kg dry	24.4	<0.976	91.5	75-125	0.335	20
Nickel	26.5		0.976	mg/kg dry	24.4	2.25	99.7	75-125	6.52	20
Matrix Spike Dup (BIA2783-MSD3)		**Source: 25A3540-01**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	690		29.7	mg/kg dry	608	93.8	98.2	75-125	200	20
Matrix Spike Dup (BIA2783-MSD4)		**Source: 25A3389-02**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	1020		48.8	mg/kg dry	999	<48.8	102	75-125	19.4	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010 (Continued)										
Post Spike (BIA2783-PS1)		**Source: 25A3540-01**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	415	J1		ug/L	500	56.5	71.8	80-120		
Cadmium	34.6	J1		ug/L	50.0	0.435	68.4	80-120		
Chromium	554			ug/L	250	320	93.6	80-120		
Copper	924	J1		ug/L	500	541	76.7	80-120		
Lead	328	J1		ug/L	250	145	73.2	80-120		
Molybdenum	154	J1		ug/L	250	11.4	57.1	80-120		
Nickel	225	J1		ug/L	250	45.3	71.8	80-120		
Post Spike (BIA2783-PS2)		**Source: 25A3389-02**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	516			ug/L	500	17.5	99.7	80-120		
Cadmium	50.9			ug/L	50.0	2.51	96.8	80-120		
Chromium	347			ug/L	250	97.0	100	80-120		
Copper	610			ug/L	500	113	99.4	80-120		
Lead	312			ug/L	250	56.0	103	80-120		
Molybdenum	192	J1		ug/L	250	2.13	75.8	80-120		
Nickel	270			ug/L	250	21.9	99.0	80-120		
Post Spike (BIA2783-PS3)		**Source: 25A3540-01**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	1980	J1		ug/L	250	1560	166	80-120		
Post Spike (BIA2783-PS4)		**Source: 25A3389-02**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	441			ug/L	250	222	87.6	80-120		
Dilution Check (BIA2783-SRL1)		**Source: 25A3540-01**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	3.52	U	5.67	mg/kg dry		3.39			3.69	10
Cadmium	<0.567	U	0.567	mg/kg dry		<0.567				10
Chromium	19.5		2.84	mg/kg dry		19.2			1.79	10
Copper	31.9		5.67	mg/kg dry		32.4			1.60	10
Lead	8.59		2.84	mg/kg dry		8.69			1.14	10
Molybdenum	<2.84	U	2.84	mg/kg dry		<2.84			200	10
Nickel	2.42	U	2.84	mg/kg dry		2.72			11.5	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010 (Continued)										
Dilution Check (BIA2783-SRL2)		**Source: 25A3389-02**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	3.65	U	9.68	mg/kg dry		<9.68			68.2	10
Cadmium	0.373	U	0.968	mg/kg dry		0.258			36.7	10
Chromium	9.99		4.86	mg/kg dry		9.95			0.399	10
Copper	12.3		9.68	mg/kg dry		11.6			5.74	10
Lead	4.62	U	4.86	mg/kg dry		5.75			21.6	10
Molybdenum	<4.86	U	4.86	mg/kg dry		<4.86				10
Nickel	1.70	U	4.86	mg/kg dry		2.25			27.9	10
Dilution Check (BIA2783-SRL3)		**Source: 25A3540-01**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	97.6		2.84	mg/kg dry		93.8			3.88	10
Dilution Check (BIA2783-SRL4)		**Source: 25A3389-02**			Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	23.9		4.86	mg/kg dry		22.8			4.66	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2632 - Percent Solids										
Blank (BIA2632-BLK1)					Prepared: 01/22/2025 Analyzed: 01/23/2025					
% Solids	<0.100	U	0.100	%						
Duplicate (BIA2632-DUP1)		**Source: 25A0441-05**			Prepared: 01/22/2025 Analyzed: 01/23/2025					
% Solids	2.15		0.100	%		2.15			0.219	10
Duplicate (BIA2632-DUP2)		**Source: 25A3931-04**			Prepared: 01/22/2025 Analyzed: 01/23/2025					
% Solids	2.97		0.100	%		2.94			0.975	10
Reference (BIA2632-SRM1)					Prepared: 01/22/2025 Analyzed: 01/23/2025					
% Solids	0.354		0.100	%	0.338		105	86.1-114		
Batch: BIA2758 - pH										
LCS (BIA2758-BS1)					Prepared & Analyzed: 01/23/2025					
pH	6.89			pH Units @ 25 °C	6.86		100	98.6-101.4		
Duplicate (BIA2758-DUP1)		**Source: 25A3389-02**			Prepared & Analyzed: 01/23/2025					
pH	7.07		0.100	pH Units @ 25 °C		6.96			1.57	200
Batch: BIA2899 - pH										
LCS (BIA2899-BS1)					Prepared & Analyzed: 01/24/2025					
pH	6.88			pH Units @ 25 °C	6.86		100	98.6-101.4		
Duplicate (BIA2899-DUP1)		**Source: 25A3389-01**			Prepared & Analyzed: 01/24/2025					
pH	6.61		0.100	pH Units @ 25 °C		6.65			0.603	200

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2898 - EPA 200.2 TCLP										
Blank (BIA2898-BLK1)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	<5.00	U	5.00	mg/L						
Barium	<100	U	100	mg/L						
Chromium	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Blank (BIA2898-BLK2)					Prepared: 01/27/2025 Analyzed: 01/29/2025					
Cadmium	<1.00	U	1.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
LCS (BIA2898-BS1)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	0.492	U	5.00	mg/L	0.500		98.4	80-120		
Barium	0.502	U	100	mg/L	0.500		100	80-120		
Chromium	0.248	U	5.00	mg/L	0.250		99.2	80-120		
Selenium	0.505	U	1.00	mg/L	0.500		101	80-120		
LCS (BIA2898-BS2)					Prepared: 01/27/2025 Analyzed: 01/29/2025					
Cadmium	0.0505	U	1.00	mg/L	0.0500		101	80-120		
Lead	0.254	U	5.00	mg/L	0.250		102	80-120		
Duplicate (BIA2898-DUP1)		**Source: 25A3541-01**			Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	0.0183	U	5.00	mg/L		0.0125			37.3	20
Barium	0.398	U	100	mg/L		0.397			0.161	20
Chromium	0.00762	U	5.00	mg/L		0.00555			31.4	20
Selenium	<1.00	U	1.00	mg/L		<1.00				20
Duplicate (BIA2898-DUP2)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	0.00823	U	5.00	mg/L		0.0137			50.0	20
Selenium	<1.00	U	1.00	mg/L		<1.00				20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2898 - EPA 200.2 TCLP (Continued)										
Duplicate (BIA2898-DUP3)		**Source: 25A3541-01**			Prepared: 01/27/2025 Analyzed: 01/29/2025					
Cadmium	0.000550	U	1.00	mg/L		<1.00			200	20
Lead	<5.00	U	5.00	mg/L		0.00384			200	20
Duplicate (BIA2898-DUP4)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 01/29/2025					
Barium	0.432	U	100	mg/L		0.413			4.52	20
Cadmium	<1.00	U	1.00	mg/L		<1.00				20
Lead	0.00350	U	5.00	mg/L		<5.00			200	20
Duplicate (BIA2898-DUP5)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 02/03/2025					
Chromium	0.00491	U	5.00	mg/L		0.00369			28.4	20
BIA2889-LBK1 (BIA2898-LBK1)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	0.00673	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
BIA2763-LBK2 (BIA2898-LBK2)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	0.0110	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
BIA2889-LBK1 (BIA2898-LBK3)					Prepared: 01/27/2025 Analyzed: 01/29/2025					
Barium	0.0188	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
BIA2763-LBK2 (BIA2898-LBK4)					Prepared: 01/27/2025 Analyzed: 01/29/2025					
Barium	0.0191	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Lead	<5.00	U	5.00	mg/L						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2898 - EPA 200.2 TCLP (Continued)										
BIA2889-LBK1 (BIA2898-LBK5)					Prepared: 01/27/2025 Analyzed: 02/03/2025					
Chromium	0.00293	U	5.00	mg/L						
BIA2763-LBK2 (BIA2898-LBK6)					Prepared: 01/27/2025 Analyzed: 02/03/2025					
Chromium	0.00295	U	5.00	mg/L						
Matrix Spike (BIA2898-MS1)		**Source: 25A3541-01**			Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	0.545	U	5.00	mg/L	0.500	0.0125	107	75-125		
Barium	0.928	U	100	mg/L	0.500	0.397	106	75-125		
Chromium	0.266	U	5.00	mg/L	0.250	0.00555	104	75-125		
Selenium	0.543	U	1.00	mg/L	0.500	<1.00	109	75-125		
Matrix Spike (BIA2898-MS2)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	0.562	U	5.00	mg/L	0.500	0.0137	110	75-125		
Selenium	0.563	U	1.00	mg/L	0.500	<1.00	113	75-125		
Matrix Spike (BIA2898-MS3)		**Source: 25A3541-01**			Prepared: 01/27/2025 Analyzed: 01/29/2025					
Cadmium	0.0547	U	1.00	mg/L	0.0500	<1.00	109	75-125		
Lead	0.265	U	5.00	mg/L	0.250	0.00384	104	75-125		
Matrix Spike (BIA2898-MS4)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 01/29/2025					
Barium	0.986	U	100	mg/L	0.500	0.413	115	75-125		
Cadmium	0.0601	U	1.00	mg/L	0.0500	<1.00	120	75-125		
Lead	0.281	U	5.00	mg/L	0.250	<5.00	113	75-125		
Matrix Spike (BIA2898-MS5)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 02/03/2025					
Chromium	0.257	U	5.00	mg/L	0.250	0.00369	101	75-125		
Post Spike (BIA2898-PS1)		**Source: 25A3541-01**			Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	555			ug/L	500	12.2	109	80-120		
Barium	903			ug/L	500	387	103	80-120		
Chromium	260			ug/L	250	5.41	102	80-120		
Selenium	555			ug/L	500	2.69	110	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2898 - EPA 200.2 TCLP (Continued)										
Post Spike (BIA2898-PS2)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	552			ug/L	500	13.4	108	80-120		
Selenium	549			ug/L	500	0.848	110	80-120		
Post Spike (BIA2898-PS3)		**Source: 25A3541-01**			Prepared: 01/27/2025 Analyzed: 01/29/2025					
Cadmium	54.4			ug/L	50.0	0.332	108	80-120		
Lead	258			ug/L	250	3.74	102	80-120		
Post Spike (BIA2898-PS4)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 01/29/2025					
Barium	917			ug/L	500	403	103	80-120		
Cadmium	55.7			ug/L	50.0	0.0488	111	80-120		
Lead	269			ug/L	250	2.49	107	80-120		
Post Spike (BIA2898-PS5)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 02/03/2025					
Chromium	273			ug/L	250	3.60	108	80-120		
Dilution Check (BIA2898-SRL1)		**Source: 25A3541-01**			Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	<5.00	U	5.00	mg/L		<5.00			200	10
Barium	0.389	U	100	mg/L		0.397			1.93	10
Chromium	0.00710	U	5.00	mg/L		<5.00			24.5	10
Selenium	<1.00	U	1.00	mg/L		<1.00				10
Dilution Check (BIA2898-SRL2)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 01/28/2025					
Arsenic	<5.00	U	5.00	mg/L		<5.00			200	10
Selenium	<1.00	U	1.00	mg/L		<1.00				10
Dilution Check (BIA2898-SRL3)		**Source: 25A3541-01**			Prepared: 01/27/2025 Analyzed: 01/29/2025					
Cadmium	<1.00	U	1.00	mg/L		<1.00				10
Lead	<5.00	U	5.00	mg/L		<5.00			200	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2898 - EPA 200.2 TCLP (Continued)										
Dilution Check (BIA2898-SRL4)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 01/29/2025					
Barium	0.405	U	100	mg/L		0.413			1.91	10
Cadmium	<1.00	U	1.00	mg/L		<1.00				10
Lead	<5.00	U	5.00	mg/L		<5.00				10
Dilution Check (BIA2898-SRL5)		**Source: 25A3540-02**			Prepared: 01/27/2025 Analyzed: 02/03/2025					
Chromium	<5.00	U	5.00	mg/L		<5.00			200	10
Batch: BIA2922 - SW-5030										
Blank (BIA2922-BLK1)					Prepared & Analyzed: 01/27/2025					
1,1-Dichloroethylene	<0.700	U	0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.00300	U	0.00300	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<0.00200	U	0.00200	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<0.0220	U	0.0220	mg/L						
Benzene	<0.00200	U	0.00200	mg/L						
Carbon tetrachloride	<0.00100	U	0.00100	mg/L						
Chlorobenzene	<100	U	100	mg/L						
Chloroform	<0.00200	U	0.00200	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.00200	U	0.00200	mg/L						
Trichloroethene (Trichloroethylene)	<0.00200	U	0.00200	mg/L						
Vinyl chloride (Chloroethene)	<0.00400	U	0.00400	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*51.3*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*53.1*	*ug/L*	*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8-surr			*49.2*	*ug/L*	*50.0*		*98.5*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*52.8*	*ug/L*	*50.0*		*106*	*70-130*		
LCS (BIA2922-BS1)					Prepared & Analyzed: 01/27/2025					
1,1-Dichloroethylene	0.0418	U	0.700	mg/L	0.0500		83.5	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0391	U	0.500	mg/L	0.0500		78.2	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0399	U	7.50	mg/L	0.0500		79.9	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.410	U	200	mg/L	0.500		82.0	70-130		
Benzene	0.0401	U	0.500	mg/L	0.0500		80.3	70-130		
Carbon tetrachloride	0.0406	U	0.500	mg/L	0.0500		81.2	70-130		
Chlorobenzene	0.0394	U	100	mg/L	0.0500		78.8	70-130		
Chloroform	0.0394	U	6.00	mg/L	0.0500		78.8	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0409	U	0.700	mg/L	0.0500		81.7	70-130		
Trichloroethene (Trichloroethylene)	0.0408	U	0.500	mg/L	0.0500		81.6	70-130		
Vinyl chloride (Chloroethene)	0.0380	U	0.200	mg/L	0.0500		76.1	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*49.5*	*ug/L*	*50.0*		*98.9*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*48.2*	*ug/L*	*50.0*		*96.4*	*70-130*		
Surrogate: Toluene-d8-surr			*49.9*	*ug/L*	*50.0*		*99.8*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*49.2*	*ug/L*	*50.0*		*98.3*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2922 - SW-5030 (Continued)										
LCS Dup (BIA2922-BSD1)					Prepared & Analyzed: 01/27/2025					
1,1-Dichloroethylene	0.0408	U	0.700	mg/L	0.0500		81.5	70-130	2.40	30
1,2-Dichloroethane (Ethylene dichloride)	0.0399	U	0.500	mg/L	0.0500		79.7	70-130	1.92	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0399	U	7.50	mg/L	0.0500		79.7	70-130	0.177	30
2-Butanone (Methyl ethyl ketone, MEK)	0.424	U	200	mg/L	0.500		84.7	70-130	3.28	30
Benzene	0.0403	U	0.500	mg/L	0.0500		80.6	70-130	0.368	30
Carbon tetrachloride	0.0401	U	0.500	mg/L	0.0500		80.1	70-130	1.37	30
Chlorobenzene	0.0397	U	100	mg/L	0.0500		79.3	70-130	0.708	30
Chloroform	0.0399	U	6.00	mg/L	0.0500		79.7	70-130	1.18	30
Tetrachloroethylene (Perchloroethylene)	0.0425	U	0.700	mg/L	0.0500		85.1	70-130	4.06	30
Trichloroethene (Trichloroethylene)	0.0402	U	0.500	mg/L	0.0500		80.4	70-130	1.46	30
Vinyl chloride (Chloroethene)	0.0372	U	0.200	mg/L	0.0500		74.5	70-130	2.11	30
Surrogate: 1,2-Dichloroethane-d4-surr			*50.1*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*48.4*	*ug/L*	*50.0*		*96.9*	*70-130*		
Surrogate: Toluene-d8-surr			*49.4*	*ug/L*	*50.0*		*98.7*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*49.3*	*ug/L*	*50.0*		*98.6*	*70-130*		
BIA2764-BLK1 (BIA2922-LBK1)					Prepared & Analyzed: 01/27/2025					
1,1-Dichloroethylene	<0.700	U	0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.500	U	0.500	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<7.50	U	7.50	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<200	U	200	mg/L						
Benzene	<0.500	U	0.500	mg/L						
Carbon tetrachloride	<0.500	U	0.500	mg/L						
Chlorobenzene	<100	U	100	mg/L						
Chloroform	<6.00	U	6.00	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.700	U	0.700	mg/L						
Trichloroethene (Trichloroethylene)	<0.500	U	0.500	mg/L						
Vinyl chloride (Chloroethene)	<0.200	U	0.200	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*56.0*	*ug/L*	*50.0*		*112*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*49.3*	*ug/L*	*50.0*		*98.7*	*70-130*		
Surrogate: Toluene-d8-surr			*47.7*	*ug/L*	*50.0*		*95.4*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*59.0*	*ug/L*	*50.0*		*118*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2922 - SW-5030 (Continued)										
BIA2890-BLK1 (BIA2922-LBK2)					Prepared & Analyzed: 01/28/2025					
1,1-Dichloroethylene	<0.700	U	0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.500	U	0.500	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<7.50	U	7.50	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<200	U	200	mg/L						
Benzene	<0.500	U	0.500	mg/L						
Carbon tetrachloride	<0.500	U	0.500	mg/L						
Chlorobenzene	<100	U	100	mg/L						
Chloroform	<6.00	U	6.00	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.700	U	0.700	mg/L						
Trichloroethene (Trichloroethylene)	<0.500	U	0.500	mg/L						
Vinyl chloride (Chloroethene)	<0.200	U	0.200	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*53.9*	*ug/L*	*50.0*		*108*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*51.9*	*ug/L*	*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8-surr			*47.8*	*ug/L*	*50.0*		*95.6*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*56.7*	*ug/L*	*50.0*		*113*	*70-130*		
Matrix Spike (BIA2922-MS1)	**Source: 25A3389-01**				Prepared & Analyzed: 01/27/2025					
1,1-Dichloroethylene	0.0518	U	0.700	mg/L	0.0500	<0.700	104	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0485	U	0.500	mg/L	0.0500	<0.500	97.1	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0528	U	7.50	mg/L	0.0500	<7.50	106	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.401	U	200	mg/L	0.500	<200	80.2	70-130		
Benzene	0.0481	U	0.500	mg/L	0.0500	<0.500	96.2	70-130		
Carbon tetrachloride	0.0507	U	0.500	mg/L	0.0500	<0.500	101	70-130		
Chlorobenzene	0.0502	U	100	mg/L	0.0500	<100	100	70-130		
Chloroform	0.0458	U	6.00	mg/L	0.0500	<6.00	91.6	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0540	U	0.700	mg/L	0.0500	<0.700	108	70-130		
Trichloroethene (Trichloroethylene)	0.0465	U	0.500	mg/L	0.0500	<0.500	93.0	70-130		
Vinyl chloride (Chloroethene)	0.0476	U	0.200	mg/L	0.0500	<0.200	95.2	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*52.0*	*ug/L*	*50.0*		*104*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*51.5*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8-surr			*49.2*	*ug/L*	*50.0*		*98.4*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*51.5*	*ug/L*	*50.0*		*103*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2922 - SW-5030 (Continued)										
Matrix Spike Dup (BIA2922-MSD1)	**Source: 25A3389-01**				Prepared & Analyzed: 01/27/2025					
1,1-Dichloroethylene	0.0535	U	0.700	mg/L	0.0500	<0.700	107	70-130	3.26	30
1,2-Dichloroethane (Ethylene dichloride)	0.0477	U	0.500	mg/L	0.0500	<0.500	95.5	70-130	1.70	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0498	U	7.50	mg/L	0.0500	<7.50	99.5	70-130	5.88	30
2-Butanone (Methyl ethyl ketone, MEK)	0.407	U	200	mg/L	0.500	<200	81.4	70-130	1.49	30
Benzene	0.0490	U	0.500	mg/L	0.0500	<0.500	98.1	70-130	1.98	30
Carbon tetrachloride	0.0537	U	0.500	mg/L	0.0500	<0.500	107	70-130	5.60	30
Chlorobenzene	0.0476	U	100	mg/L	0.0500	<100	95.3	70-130	5.33	30
Chloroform	0.0455	U	6.00	mg/L	0.0500	<6.00	91.1	70-130	0.541	30
Tetrachloroethylene (Perchloroethylene)	0.0534	U	0.700	mg/L	0.0500	<0.700	107	70-130	1.10	30
Trichloroethene (Trichloroethylene)	0.0466	U	0.500	mg/L	0.0500	<0.500	93.2	70-130	0.178	30
Vinyl chloride (Chloroethene)	0.0451	U	0.200	mg/L	0.0500	<0.200	90.2	70-130	5.35	30
Surrogate: 1,2-Dichloroethane-d4-surr			*52.9*	*ug/L*	*50.0*		*106*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*51.6*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8-surr			*47.3*	*ug/L*	*50.0*		*94.5*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*53.2*	*ug/L*	*50.0*		*106*	*70-130*		
Batch: BIA3231 - SW-3511										
Blank (BIA3231-BLK1)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
Chlordane (Total)	<1.20E-6	U	1.20E-6	mg/L						
cis-Chlordane (alpha-Chlordane)	<1.20E-6	U	1.20E-6	mg/L						
Endrin	<1.20E-6	U	1.20E-6	mg/L						
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	<1.20E-6	U	1.20E-6	mg/L						
gamma-Chlordane	<1.20E-6	U	1.20E-6	mg/L						
Heptachlor	<1.20E-6	U	1.20E-6	mg/L						
Heptachlor epoxide	<1.20E-6	U	1.20E-6	mg/L						
Methoxychlor	<1.20E-6	U	1.20E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<1.20E-6	U	1.20E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.27E-5*	*mg/L*	*0.000120*		*60.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*7.29E-5*	*mg/L*	*0.000120*		*60.9*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3231 - SW-3511 (Continued)										
LCS (BIA3231-BS1)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
Toxaphene (Chlorinated Camphene)	0.00101	U	0.500	mg/L	0.00120		84.5	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000133*	*mg/L*	*0.000120*		*111*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*8.49E-5*	*mg/L*	*0.000120*		*70.9*	*60-140*		
LCS (BIA3231-BS2)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
Chlordane (Total)	0.000378	U	0.0300	mg/L	0.000480		78.7	60-140		
Endrin	9.73E-5	U	0.0200	mg/L	0.000120		81.1	60-140		
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	8.40E-5	U	0.400	mg/L	0.000120		70.0	60-140		
Heptachlor	7.93E-5	U	0.00800	mg/L	0.000120		66.0	60-140		
Heptachlor epoxide	0.000102	U	0.00800	mg/L	0.000120		84.8	60-140		
Methoxychlor	9.21E-5	U	10.0	mg/L	0.000120		76.8	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*9.70E-5*	*mg/L*	*0.000120*		*80.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*9.57E-5*	*mg/L*	*0.000120*		*79.7*	*60-140*		
LCS Dup (BIA3231-BSD1)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
Toxaphene (Chlorinated Camphene)	0.000935	U	0.500	mg/L	0.00120		77.9	60-140	7.84	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000103*	*mg/L*	*0.000120*		*85.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*8.57E-5*	*mg/L*	*0.000120*		*71.4*	*60-140*		
LCS Dup (BIA3231-BSD2)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
Chlordane (Total)	0.000379	U	0.0300	mg/L	0.000477		79.4	60-140	0.189	40
Endrin	9.54E-5	U	0.0200	mg/L	0.000119		80.0	60-140	1.93	40
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	7.83E-5	U	0.400	mg/L	0.000119		65.7	60-140	6.95	40
Heptachlor	7.69E-5	U	0.00800	mg/L	0.000119		64.5	60-140	2.97	40
Heptachlor epoxide	0.000100	U	0.00800	mg/L	0.000119		84.1	60-140	1.51	40
Methoxychlor	9.42E-5	U	10.0	mg/L	0.000119		79.1	60-140	2.26	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*9.93E-5*	*mg/L*	*0.000119*		*83.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000116*	*mg/L*	*0.000119*		*97.2*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3231 - SW-3511 (Continued)										
BIA2763-BLK (BIA3231-LBK1)					Prepared: 01/27/2025 Analyzed: 01/30/2025					
Chlordane (Total)	<5.93E-6	U	5.93E-6	mg/L						
cis-Chlordane (alpha-Chlordane)	<5.93E-6	U	5.93E-6	mg/L						
Endrin	<5.93E-6	U	5.93E-6	mg/L						
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	<5.93E-6	U	5.93E-6	mg/L						
gamma-Chlordane	<5.93E-6	U	5.93E-6	mg/L						
Heptachlor	<5.93E-6	U	5.93E-6	mg/L						
Heptachlor epoxide	<5.93E-6	U	5.93E-6	mg/L						
Methoxychlor	<5.93E-6	U	5.93E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<5.93E-6	U	5.93E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000582*	*mg/L*	*0.000593*		*98.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000369*	*mg/L*	*0.000593*		*62.2*	*60-140*		
BIA2889-BLK (BIA3231-LBK2)					Prepared: 01/27/2025 Analyzed: 01/30/2025					
Chlordane (Total)	<5.96E-6	U	5.96E-6	mg/L						
Endrin	<5.96E-6	U	5.96E-6	mg/L						
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	<5.96E-6	U	5.96E-6	mg/L						
Heptachlor	<5.96E-6	U	5.96E-6	mg/L						
Heptachlor epoxide	<5.96E-6	U	5.96E-6	mg/L						
Methoxychlor	<5.96E-6	U	5.96E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<5.96E-6	U	5.96E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000550*	*mg/L*	*0.000596*		*92.4*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000434*	*mg/L*	*0.000596*		*72.9*	*60-140*		
Matrix Spike (BIA3231-MS1)	**Source: 25A3540-01**				Prepared: 01/27/2025 Analyzed: 01/28/2025					
Chlordane (Total)	0.00185	U	0.0300	mg/L	0.00239	<0.0300	77.7	60-140		
Endrin	0.000467	U	0.0200	mg/L	0.000596	<0.0200	78.3	60-140		
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	0.000452	U	0.400	mg/L	0.000596	<0.400	75.7	60-140		
Heptachlor	0.000435	U	0.00800	mg/L	0.000596	<0.00800	72.9	60-140		
Heptachlor epoxide	0.000499	U	0.00800	mg/L	0.000596	<0.00800	83.7	60-140		
Methoxychlor	0.000402	U	10.0	mg/L	0.000596	<10.0	67.4	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000493*	*mg/L*	*0.000596*		*82.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000380*	*mg/L*	*0.000596*		*63.7*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3231 - SW-3511 (Continued)										
Matrix Spike Dup (BIA3231-MSD1)		**Source: 25A3540-01**			Prepared: 01/27/2025 Analyzed: 01/28/2025					
Chlordane (Total)	0.00173	U	0.0300	mg/L	0.00238	<0.0300	72.7	60-140	7.10	40
Endrin	0.000442	U	0.0200	mg/L	0.000594	<0.0200	74.4	60-140	5.44	40
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	0.000372	U	0.400	mg/L	0.000594	<0.400	62.6	60-140	19.4	40
Heptachlor	0.000398	U	0.00800	mg/L	0.000594	<0.00800	67.0	60-140	8.92	40
Heptachlor epoxide	0.000453	U	0.00800	mg/L	0.000594	<0.00800	76.3	60-140	9.63	40
Methoxychlor	0.000375	U	10.0	mg/L	0.000594	<10.0	63.1	60-140	6.91	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000449*	*mg/L*	*0.000594*		*75.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000373*	*mg/L*	*0.000594*		*62.9*	*60-140*		
Batch: BIA3295 - SW-7471 TCLP										
Duplicate (BIA3295-DUP1)		**Source: 25A3540-02**			Prepared & Analyzed: 01/28/2025					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
Duplicate (BIA3295-DUP2)		**Source: 25A3541-01**			Prepared & Analyzed: 01/28/2025					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
BIA2391-BLK1 (BIA3295-LBK1)					Prepared & Analyzed: 01/28/2025					
Mercury	<0.200	U	0.200	mg/L						
BIA2763-BLK1 (BIA3295-LBK2)					Prepared & Analyzed: 01/28/2025					
Mercury	<0.200	U	0.200	mg/L						
BIA2889-BLK1 (BIA3295-LBK3)					Prepared & Analyzed: 01/28/2025					
Mercury	<0.200	U	0.200	mg/L						
MDL Check (BIA3295-MRL1)					Prepared & Analyzed: 01/28/2025					
Mercury	0.000214	U	0.200	mg/L	0.000200		107			

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3295 - SW-7471 TCLP (Continued)										
Matrix Spike (BIA3295-MS1)		**Source: 25A3540-02**			Prepared & Analyzed: 01/28/2025					
Mercury	0.00512	U	0.200	mg/L	0.00500	<0.200	102	80-120		
Matrix Spike (BIA3295-MS2)		**Source: 25A3541-01**			Prepared & Analyzed: 01/28/2025					
Mercury	0.00521	U	0.200	mg/L	0.00500	<0.200	104	80-120		
Batch: BIA3398 - SW-3511										
Blank (BIA3398-BLK1)					Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	<0.000119	U	0.000119	mg/L						
Silvex (2,4,5-TP)	<0.000119	U	0.000119	mg/L						
Surrogate: DCAA-surr			*0.0290*	*mg/L*	*0.0250*		*116*	*70-130*		
LCS (BIA3398-BS1)					Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	0.00498	U	10.0	mg/L	0.00514		97	70-130		
Silvex (2,4,5-TP)	0.00414	U	1.00	mg/L	0.00499		83	70-130		
Surrogate: DCAA-surr			*0.0303*	*mg/L*	*0.0250*		*121*	*70-130*		
LCS Dup (BIA3398-BSD1)					Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	0.00479	U	10.0	mg/L	0.00514		93	70-130	4	30
Silvex (2,4,5-TP)	0.00398	U	1.00	mg/L	0.00499		80	70-130	4	30
Surrogate: DCAA-surr			*0.0296*	*mg/L*	*0.0250*		*119*	*70-130*		
BIA2763-BLK1 (BIA3398-LBK1)					Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	<0.000475	U	0.000475	mg/L						
Silvex (2,4,5-TP)	<0.000475	U	0.000475	mg/L						
Surrogate: DCAA-surr		*S*	*0.140*	*mg/L*	*0.0997*		*141*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3398 - SW-3511 (Continued)										
BIA2889-BLK1 (BIA3398-LBK2)					Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	<0.000475	U	0.000475	mg/L						
Silvex (2,4,5-TP)	<0.000475	U	0.000475	mg/L						
Surrogate: DCAA-surr		*S*	*0.149*	*mg/L*	*0.0998*		*150*	*70-130*		
Matrix Spike (BIA3398-MS1)		**Source: 25A3389-01**			Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	0.0203	U	10.0	mg/L	0.0206	0.000545	96	70-130		
Silvex (2,4,5-TP)	0.0165	U	1.00	mg/L	0.0200	<1.00	83	70-130		
Surrogate: DCAA-surr		*S*	*0.134*	*mg/L*	*0.0998*		*134*	*70-130*		
Matrix Spike Dup (BIA3398-MSD1)		**Source: 25A3389-01**			Prepared: 01/28/2025 Analyzed: 01/29/2025					
2,4-D	0.0199	U	10.0	mg/L	0.0206	0.000545	94	70-130	2	30
Silvex (2,4,5-TP)	0.0160	U	1.00	mg/L	0.0200	<1.00	80	70-130	3	30
Surrogate: DCAA-surr			*0.119*	*mg/L*	*0.100*		*119*	*70-130*		
Batch: BIA3432 - SW-3511										
MB SV (BIA3432-BLK1)					Prepared & Analyzed: 01/29/2025					
2,4,5-Trichlorophenol	<0.00125	U	0.00125	mg/L						
2,4,6-Trichlorophenol	<0.00125	U	0.00125	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00125	U	0.00125	mg/L						
2-Methylphenol (o-Cresol)	<0.00125	U	0.00125	mg/L						
3,4-Methylphenol	<0.00125	U	0.00125	mg/L						
Hexachlorobenzene	<0.00125	U	0.00125	mg/L						
Hexachlorobutadiene	<0.00125	U	0.00125	mg/L						
Hexachloroethane	<0.00125	U	0.00125	mg/L						
Nitrobenzene	<0.00125	U	0.00125	mg/L						
Pentachlorophenol	<0.00125	U	0.00125	mg/L						
Pyridine	<0.00125	U	0.00125	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.00833*	*mg/L*	*0.00997*		*83.6*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0189*	*mg/L*	*0.0199*		*94.9*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0203*	*mg/L*	*0.0199*		*102*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00986*	*mg/L*	*0.00997*		*98.9*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0177*	*mg/L*	*0.0199*		*88.7*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00612*	*mg/L*	*0.00997*		*61.4*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3432 - SW-3511 (Continued)										
BS SV (BIA3432-BS1)					Prepared & Analyzed: 01/29/2025					
2,4,5-Trichlorophenol	0.0196	U	400	mg/L	0.0198		98.9	60-140		
2,4,6-Trichlorophenol	0.0184	U	2.00	mg/L	0.0198		93.1	60-140		
2,4-Dinitrotoluene (2,4-DNT)	0.00780	U	0.130	mg/L	0.00989		78.9	60-140		
2-Methylphenol (o-Cresol)	0.0169	U	200	mg/L	0.0198		85.5	60-140		
3,4-Methylphenol	0.0314	U	200	mg/L	0.0395		79.5	60-140		
Hexachlorobenzene	0.00877	U	0.130	mg/L	0.00989		88.7	60-140		
Hexachlorobutadiene	0.00641	U	0.500	mg/L	0.00989		64.9	60-140		
Hexachloroethane	0.00797	U	3.00	mg/L	0.00989		80.6	60-140		
Nitrobenzene	0.0103	U	2.00	mg/L	0.00989		104	60-140		
Pentachlorophenol	0.0199	U	100	mg/L	0.0198		100	36.8-149		
Pyridine	0.0224	U	5.00	mg/L	0.0494		45.3	2.5-101		
Surrogate: 2-Fluorobiphenyl-surr			*0.00834*	*mg/L*	*0.00989*		*84.4*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0193*	*mg/L*	*0.0198*		*97.4*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0189*	*mg/L*	*0.0198*		*95.7*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00899*	*mg/L*	*0.00989*		*90.9*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0184*	*mg/L*	*0.0198*		*92.9*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00944*	*mg/L*	*0.00989*		*95.5*	*51.9-147*		
BSD SV (BIA3432-BSD1)					Prepared: 01/29/2025 Analyzed: 01/30/2025					
2,4,5-Trichlorophenol	0.0188	U	400	mg/L	0.0196		96.2	60-140	3.88	40
2,4,6-Trichlorophenol	0.0189	U	2.00	mg/L	0.0196		96.4	60-140	2.48	40
2,4-Dinitrotoluene (2,4-DNT)	0.00768	U	0.130	mg/L	0.00978		78.5	60-140	1.51	40
2-Methylphenol (o-Cresol)	0.0169	U	200	mg/L	0.0196		86.4	60-140	0.0383	40
3,4-Methylphenol	0.0331	U	200	mg/L	0.0391		84.7	60-140	5.25	40
Hexachlorobenzene	0.00876	U	0.130	mg/L	0.00978		89.6	60-140	0.0753	40
Hexachlorobutadiene	0.00603	U	0.500	mg/L	0.00978		61.6	60-140	6.14	40
Hexachloroethane	0.00675	U	3.00	mg/L	0.00978		68.9	60-140	16.6	40
Nitrobenzene	0.0102	U	2.00	mg/L	0.00978		104	60-140	0.955	40
Pentachlorophenol	0.0198	U	100	mg/L	0.0196		101	36.8-149	0.281	40
Pyridine	0.0254	U	5.00	mg/L	0.0489		52.0	2.5-101	12.8	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00826*	*mg/L*	*0.00978*		*84.5*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0192*	*mg/L*	*0.0196*		*98.1*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0185*	*mg/L*	*0.0196*		*94.8*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00910*	*mg/L*	*0.00978*		*93.0*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0197*	*mg/L*	*0.0196*		*101*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00943*	*mg/L*	*0.00978*		*96.4*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3432 - SW-3511 (Continued)										
BIA2763-BLK1 (BIA3432-LBK1)					Prepared: 01/29/2025 Analyzed: 01/30/2025					
2,4,5-Trichlorophenol	<0.00484	U	0.00484	mg/L						
2,4,6-Trichlorophenol	<0.00484	U	0.00484	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00484	U	0.00484	mg/L						
2-Methylphenol (o-Cresol)	<0.00484	U	0.00484	mg/L						
3,4-Methylphenol	<0.00484	U	0.00484	mg/L						
Hexachlorobenzene	<0.00484	U	0.00484	mg/L						
Hexachlorobutadiene	<0.00484	U	0.00484	mg/L						
Hexachloroethane	<0.00484	U	0.00484	mg/L						
Nitrobenzene	<0.00484	U	0.00484	mg/L						
Pentachlorophenol	<0.00484	U	0.00484	mg/L						
Pyridine	<0.00484	U	0.00484	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0297*	*mg/L*	*0.0388*		*76.7*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0638*	*mg/L*	*0.0775*		*82.3*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0741*	*mg/L*	*0.0775*		*95.5*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0422*	*mg/L*	*0.0388*		*109*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0750*	*mg/L*	*0.0775*		*96.7*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0220*	*mg/L*	*0.0388*		*56.8*	*51.9-147*		
BIA2889-BLK1 (BIA3432-LBK2)					Prepared: 01/29/2025 Analyzed: 01/30/2025					
2,4,5-Trichlorophenol	<0.00484	U	0.00484	mg/L						
2,4,6-Trichlorophenol	<0.00484	U	0.00484	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00484	U	0.00484	mg/L						
2-Methylphenol (o-Cresol)	<0.00484	U	0.00484	mg/L						
3,4-Methylphenol	<0.00484	U	0.00484	mg/L						
Hexachlorobenzene	<0.00484	U	0.00484	mg/L						
Hexachlorobutadiene	<0.00484	U	0.00484	mg/L						
Hexachloroethane	<0.00484	U	0.00484	mg/L						
Nitrobenzene	<0.00484	U	0.00484	mg/L						
Pentachlorophenol	<0.00484	U	0.00484	mg/L						
Pyridine	<0.00484	U	0.00484	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0319*	*mg/L*	*0.0388*		*82.3*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0677*	*mg/L*	*0.0775*		*87.3*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0810*	*mg/L*	*0.0775*		*104*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0370*	*mg/L*	*0.0388*		*95.5*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0642*	*mg/L*	*0.0775*		*82.8*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0238*	*mg/L*	*0.0388*		*61.4*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3432 - SW-3511 (Continued)										
25A3423-01 MS (BIA3432-MS1)		**Source: 25A3423-01**			Prepared: 01/29/2025 Analyzed: 01/30/2025					
2,4,5-Trichlorophenol	0.0828	U	400	mg/L	0.0775	<400	107	44.9-171		
2,4,6-Trichlorophenol	0.0716	U	2.00	mg/L	0.0775	<2.00	92.4	34.7-143		
2,4-Dinitrotoluene (2,4-DNT)	0.0353	U	0.130	mg/L	0.0388	<0.130	90.9	50.3-144		
2-Methylphenol (o-Cresol)	0.0716	U	200	mg/L	0.0775	<200	92.4	60-140		
3,4-Methylphenol	0.140	U	200	mg/L	0.155	<200	90.0	43.4-188		
Hexachlorobenzene	0.0334	U	0.130	mg/L	0.0388	<0.130	86.2	56.1-137		
Hexachlorobutadiene	0.0280	U	0.500	mg/L	0.0388	<0.500	72.2	33.1-110		
Hexachloroethane	0.0266	U	3.00	mg/L	0.0388	<3.00	68.7	36.2-106		
Nitrobenzene	0.0414	U	2.00	mg/L	0.0388	<2.00	107	54.9-156		
Pentachlorophenol	0.0876	U	100	mg/L	0.0775	<100	113	42.2-151		
Pyridine	0.0724	U	5.00	mg/L	0.194	<5.00	37.3	2-87.4		
Surrogate: 2-Fluorobiphenyl-surr			*0.0323*	*mg/L*	*0.0388*		*83.2*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0747*	*mg/L*	*0.0775*		*96.4*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0745*	*mg/L*	*0.0775*		*96.0*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0377*	*mg/L*	*0.0388*		*97.2*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0802*	*mg/L*	*0.0775*		*103*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0287*	*mg/L*	*0.0388*		*74.1*	*51.9-147*		
25A3423-01 MSD (BIA3432-MSD1)		**Source: 25A3423-01**			Prepared: 01/29/2025 Analyzed: 01/30/2025					
2,4,5-Trichlorophenol	0.0902	U	400	mg/L	0.0788	<400	114	44.9-171	8.61	40
2,4,6-Trichlorophenol	0.0722	U	2.00	mg/L	0.0788	<2.00	91.6	34.7-143	0.762	40
2,4-Dinitrotoluene (2,4-DNT)	0.0376	U	0.130	mg/L	0.0394	<0.130	95.3	50.3-144	6.37	40
2-Methylphenol (o-Cresol)	0.0682	U	200	mg/L	0.0788	<200	86.5	60-140	4.97	40
3,4-Methylphenol	0.142	U	200	mg/L	0.158	<200	89.9	43.4-188	1.58	40
Hexachlorobenzene	0.0330	U	0.130	mg/L	0.0394	<0.130	83.7	56.1-137	1.33	40
Hexachlorobutadiene	0.0262	U	0.500	mg/L	0.0394	<0.500	66.4	33.1-110	6.59	40
Hexachloroethane	0.0273	U	3.00	mg/L	0.0394	<3.00	69.4	36.2-106	2.69	40
Nitrobenzene	0.0388	U	2.00	mg/L	0.0394	<2.00	98.5	54.9-156	6.30	40
Pentachlorophenol	0.0891	U	100	mg/L	0.0788	<100	113	42.2-151	1.73	40
Pyridine	0.0748	U	5.00	mg/L	0.197	<5.00	38.0	2-87.4	3.33	40
Surrogate: 2-Fluorobiphenyl-surr			*0.0330*	*mg/L*	*0.0394*		*83.7*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0734*	*mg/L*	*0.0788*		*93.1*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0778*	*mg/L*	*0.0788*		*98.7*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0372*	*mg/L*	*0.0394*		*94.5*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0753*	*mg/L*	*0.0788*		*95.5*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0291*	*mg/L*	*0.0394*		*73.9*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1099 - EPA 200.2 TCLP										
Blank (BIB1099-BLK2)					Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	<5.00	U	5.00	mg/L						
LCS (BIB1099-BS2)					Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	0.0520	U	5.00	mg/L	0.0500		104	80-120		
Duplicate (BIB1099-DUP2)		**Source: 25A3540-02RE1**			Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	<5.00	U	5.00	mg/L		<5.00				20
Duplicate (BIB1099-DUP3)		**Source: 25A3389-02RE1**			Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	<5.00	U	5.00	mg/L		<5.00				20
BIA2889-LBK1 (BIB1099-LBK1)					Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	<5.00	U	5.00	mg/L						
BIA2763-LBK2 (BIB1099-LBK2)					Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	<5.00	U	5.00	mg/L						
Matrix Spike (BIB1099-MS2)		**Source: 25A3540-02RE1**			Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	0.0557	U	5.00	mg/L	0.0500	<5.00	111	75-125		
Matrix Spike (BIB1099-MS3)		**Source: 25A3389-02RE1**			Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	0.0534	U	5.00	mg/L	0.0500	<5.00	107	75-125		
Post Spike (BIB1099-PS2)		**Source: 25A3540-02RE1**			Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	58.1			ug/L	50.0	0.624	115	80-120		
Post Spike (BIB1099-PS3)		**Source: 25A3389-02RE1**			Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	60.4			ug/L	50.0	0.341	120	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1099 - EPA 200.2 TCLP (Continued)										
Dilution Check (BIB1099-SRL2)		**Source: 25A3540-02RE1**			Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	<5.00	U	5.00	mg/L		<5.00				10
Dilution Check (BIB1099-SRL3)		**Source: 25A3389-02RE1**			Prepared: 02/11/2025 Analyzed: 02/13/2025					
Silver	<5.00	U	5.00	mg/L		<5.00				10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Sample Condition Checklist

Work Order: 25A3541

Check Points	
No	Custody Seals
No	Containers Intact
No	COC/Labels Agree
No	Received On Ice
No	Appropriate Containers
No	Appropriate Sample Volume
No	Coolers Intact
No	Samples Accepted

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

Term and Qualifier Definitions

Item	Definition
H	The parameter was analyzed outside the method specified holding time.
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
S	The surrogate recovery was outside the established laboratory recovery limit.
TV	Estimated value - The method required temperature requirement was outside of the acceptable range.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A3541

K3BMI Kendall Smith 9458 FM 362 Brookshire, TX 77423 Phone: (281) 375-5778	**Project Name** : Permit 4518 - Annual Soil Sample - 3C - Composited	**Schedule Comments:**
	Project Comments:	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
25A3541-01	0 - 6 inch Composite	1-16-25 8:00am	1-16-25 8:40am	S Composite	A HDPE MET 250mL B HDPE MET 250mL C Glass 250mL w/ Teflon-lined Lid D HDPE 250mL E Glass VOA 40mL F Glass VOA 40mL G Glass VOA 40mL H Glass Wide 1L w/ Teflon-lined Lid I HDPE 250mL J Glass VOA 60mL Protocol A	Arsenic ICP 6010 4°C Arsenic ICP TCLP 4°C Barium ICP TCLP 4°C Cadmium ICP 6010 4°C Cadmium ICP TCLP 4°C Chromium ICP 6010 4°C Chromium ICP TCLP 4°C Copper ICP 6010 4°C Hg-7471 4°C Hg-7471-TCLP 4°C Lead ICP 6010 4°C Lead ICP TCLP 4°C Molybdenum ICP 6010 4°C Nickel ICP 6010 4°C Selenium ICP TCLP 4°C Silver ICP TCLP 4°C Zinc ICP 6010 4°C HERB-TCLP 4°C OCP-8081-TCLP 4°C PCB-8082 4°C SVOA-TCLP 4°C TCLP Bottle 4°C TCLP ZHE 4°C VOA-TCLP 4°C pH-9045 4°C TS-2540 G 4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A3541

K3BMI Kendall Smith 9458 FM 362 Brookshire, TX 77423 Phone: (281) 375-5778	**Project Name** : Permit 4518 - Annual Soil Sample - 3C - Composited **Project Comments:**

Schedule Comments:

25A3541-02	6 - 24 inch Composite	1-16-25 8:00am	1-16-25 8:40am	S Composite	A HDPE MET 250mL B HDPE MET 250mL C Glass 250mL w/ Teflon-lined Lid D HDPE 250mL E Glass VOA 40mL F Glass VOA 40mL G Glass VOA 40mL H Glass Wide 1L w/ Teflon-lined Lid I HDPE 250mL J Glass VOA 60mL Protocol A	Arsenic ICP 6010 4°C Arsenic ICP TCLP 4°C Barium ICP TCLP 4°C Cadmium ICP 6010 4°C Cadmium ICP TCLP 4°C Chromium ICP 6010 4°C Chromium ICP TCLP 4°C Copper ICP 6010 4°C Hg-7471 4°C Hg-7471-TCLP 4°C Lead ICP 6010 4°C Lead ICP TCLP 4°C Molybdenum ICP 6010 4°C Nickel ICP 6010 4°C Selenium ICP TCLP 4°C Silver ICP TCLP 4°C Zinc ICP 6010 4°C HERB-TCLP 4°C OCP-8081-TCLP 4°C PCB-8082 4°C SVOA-TCLP 4°C TCLP Bottle 4°C TCLP ZHE 4°C VOA-TCLP 4°C pH-9045 4°C TS-2540 G 4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A3541

K3BMI Kendall Smith 9458 FM 362 Brookshire, TX 77423 Phone: (281) 375-5778	**Project Name** : Permit 4518 - Annual Soil Sample - 3C - Composited	**Schedule Comments**
	Project Comments:	

Field Remarks:		**Preservation:** (Circle and Write ID)	H2SO4	HNO3	NaOH	Other:
Sampler (Signature) KSmith	Relinquished By: (Signature) KSmith	Date/Time 10:11 1-17-25	Received By: (Signature)			Date/Time 1-17-25/1011
Print Name Kendall Smith	Relinquished By: (Signature)	Date/Time	Received By: (Signature)			Date/Time
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 1-17-25/1600	Received for Laboratory By: (Signature) LMC			Date/Time 1/17/25 1600

Custody Seal : Yes / No	COC Labels Agree: Yes / No	Appropriate Volume: Yes / No	Received on Ice: Yes / No	Temperature:	°C
Container Intact : Yes / No	Appropriate Containers: Yes / No	Coolers Intact: Yes / No	Samples Accepted: Yes / No	Thermometer ID:	

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:30

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

February 20, 2025

LABORATORY REPORT

Kendall Smith
K3BMI
9458 FM 362
Brookshire, TX 77423

Report ID: 20250220132128RLR

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Rebecca Rabon
Assistant Project Manager

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Laboratory Sample Results

Permit 4518 - Annual Soil Sample - F4 - Composited **Sample Matrix:** **Sludge**

Client Sample ID: **0 - 6 inch Composite** **Date Collected:** **01/16/2025 9:30**
Lab Sample ID: **25A3542-01** **Collected by:** **Kendall Smith**

Method	Analyte	*	Result	Units	Q	DF	SDL	LRL	Batch	Analyzed	Analyst
General Chemistry SM 2540 G	% Solids	A	87.4	%		1	0.100	0.100	BIA2632	01/23/2025 09:04	BP
General Chemistry SW-9045C	pH	A	7.03	pH Units @ 25 °C		1		0.0997	BIA2758	01/23/2025 10:02	FPN
Metals, Total SW-6010C	Arsenic	A	1.57	mg/kg dry		1	0.248	1.13	BIA2628	01/26/2025 12:13	JBM
Metals, Total SW-6010C	Cadmium	A	<0.113	mg/kg dry	U	1	0.0294	0.113	BIA2628	01/26/2025 12:13	JBM
Metals, Total SW-6010C	Chromium	A	6.98	mg/kg dry		1	0.425	0.567	BIA2628	01/26/2025 12:13	TBB
Metals, Total SW-6010C	Copper	A	12.5	mg/kg dry		1	0.121	1.13	BIA2628	01/26/2025 12:13	JBM
Metals, Total SW-6010C	Lead	A	4.81	mg/kg dry		1	0.288	0.567	BIA2628	01/26/2025 12:13	JBM
Metals, Total SW-7471B	Mercury	A	0.0167	mg/kg dry		1	0.00568	0.0114	BIA2592	01/22/2025 14:56	KSI
Metals, Total SW-6010C	Molybdenum	A	<0.567	mg/kg dry	U	1	0.567	0.567	BIA2628	01/26/2025 12:13	JBM
Metals, Total SW-6010C	Nickel	A	1.55	mg/kg dry		1	0.153	0.567	BIA2628	01/26/2025 12:13	JBM
Metals, Total SW-6010C	Zinc	A	27.9	mg/kg dry		1	0.567	0.567	BIA2628	01/26/2025 12:13	JBM
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*	*80.0%*		*60-140*							
SW-8082	*Surrogate: Decachlorobiphenyl-surr*	*73.6%*		*60-140*							
Organics by GC SW-8082	PCBs, Total	A	<6.85	ug/kg dry	U	10	0.195	6.85	BIA2708	01/29/2025 09:04	SHU
TCLP SW-8260	1,1-Dichloroethylene	A	<0.700	mg/L	U	10	0.00849	0.700	BIA2682	01/22/2025 19:57	DDB
TCLP SW-8260	1,2-Dichloroethane (Ethylene dichloride)	A	<0.500	mg/L	U	10	0.00870	0.500	BIA2682	01/22/2025 19:57	DDB
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*	*102%*		*70-130*							
TCLP SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<7.50	mg/L	U	10	0.00641	7.50	BIA2682	01/22/2025 19:57	DDB
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*	*58.1% S*		*60-140*							
TCLP SW-8270	2,4,5-Trichlorophenol	A	<400	mg/L	U	1	0.00248	400	BIA2707	01/25/2025 02:26	KRB
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*	*99.6%*		*52.4-136*							
TCLP SW-8270	2,4,6-Trichlorophenol	A	<2.00	mg/L	U	1	0.00248	2.00	BIA2707	01/25/2025 02:26	KRB
TCLP SW-8151	2,4-D	A	<10.0	mg/L	C+, U	2	0.000476	10.0	BIA2773	01/25/2025 06:27	cdg
TCLP SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	mg/L	U	1	0.00248	0.130	BIA2707	01/25/2025 02:26	KRB
TCLP SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	A	<200	mg/L	U	10	0.0738	200	BIA2682	01/22/2025 19:57	DDB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*	*86.0%*		*54.6-148*							
SW-8270	*Surrogate: 2-Fluorophenol-surr*	*92.9%*		*55-152*							
TCLP SW-8270	2-Methylphenol (o-Cresol)	A	<200	mg/L	U	1	0.00248	200	BIA2707	01/25/2025 02:26	KRB
TCLP SW-8270	3,4-Methylphenol	A	<200	mg/L	U	1	0.00248	200	BIA2707	01/25/2025 02:26	KRB

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Laboratory Sample Results
(Continued)

Permit 4518 - Annual Soil Sample - F4 - Composited **Sample Matrix:** **Sludge**

Client Sample ID: **0 - 6 inch Composite (Continued)** **Date Collected:** **01/16/2025 9:30**
Lab Sample ID: **25A3542-01** **Collected by:** **Kendall Smith**

Method	Analyte	*	Result	Units	Q	DF	SDL	LRL	Batch	Analyzed	Analyst
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*	*105%*		*70-130*							
TCLP SW-6010C	Arsenic	A	<5.00	mg/L	U	1	0.00367	5.00	BIA2894	01/27/2025 18:02	AKR
TCLP SW-6010C	Barium	A	<100	mg/L	U	1	0.00125	100	BIA2894	01/27/2025 18:02	AKR
TCLP SW-8260	Benzene	A	<0.500	mg/L	U	10	0.00604	0.500	BIA2682	01/22/2025 19:57	DDB
TCLP SW-6010C	Cadmium	A	<1.00	mg/L	U	1	0.000423	1.00	BIA2894	01/27/2025 18:02	AKR
TCLP SW-8260	Carbon tetrachloride	A	<0.500	mg/L	U	10	0.00500	0.500	BIA2682	01/22/2025 19:57	DDB
TCLP SW-8081	Chlordane (Total)	A	<0.0300	mg/L	U	1	3.00E-6	0.0300	BIA2813	01/24/2025 10:41	cdg
TCLP SW-8260	Chlorobenzene	A	<100	mg/L	U	10	0.00724	100	BIA2682	01/22/2025 19:57	DDB
TCLP SW-8260	Chloroform	A	<6.00	mg/L	U	10	0.00688	6.00	BIA2682	01/22/2025 19:57	DDB
TCLP SW-6010C	Chromium	A	<5.00	mg/L	U	1	0.00131	5.00	BIA2894	01/27/2025 18:02	AKR
SW-8151	*Surrogate: DCAA-surr*	*145% S*		*70-130*							
SW-8081	*Surrogate: Decachlorobiphenyl-surr*	*71.7%*		*60-140*							
SW-8260	*Surrogate: Dibromofluoromethane-surr*	*105%*		*70-130*							
TCLP SW-8081	Endrin	N	<0.0200	mg/L	U	1	3.00E-6	0.0200	BIA2813	01/24/2025 10:41	cdg
TCLP SW-8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexa nE)	A	<0.400	mg/L	U	1	3.00E-6	0.400	BIA2813	01/24/2025 10:41	cdg
TCLP SW-8081	Heptachlor	A	<0.00800	mg/L	U	1	3.00E-6	0.00800	BIA2813	01/24/2025 10:41	cdg
TCLP SW-8081	Heptachlor epoxide	A	<0.00800	mg/L	U	1	3.00E-6	0.00800	BIA2813	01/24/2025 10:41	cdg
TCLP SW-8270	Hexachlorobenzene	A	<0.130	mg/L	U	1	0.00248	0.130	BIA2707	01/25/2025 02:26	KRB
TCLP SW-8270	Hexachlorobutadiene	A	<0.500	mg/L	U	1	0.00248	0.500	BIA2707	01/25/2025 02:26	KRB
TCLP SW-8270	Hexachloroethane	A	<3.00	mg/L	U	1	0.00248	3.00	BIA2707	01/25/2025 02:26	KRB
TCLP SW-6010C	Lead	A	<5.00	mg/L	U	1	0.00341	5.00	BIA2894	01/27/2025 18:02	AKR
TCLP SW-7471B	Mercury	A	<0.200	mg/L	U	1	0.000127	0.200	BIA2862	01/24/2025 13:28	KSI
TCLP SW-8081	Methoxychlor	A	<10.0	mg/L	U	1	3.00E-6	10.0	BIA2813	01/24/2025 10:41	cdg
TCLP SW-8270	Nitrobenzene	A	<2.00	mg/L	U	1	0.00248	2.00	BIA2707	01/25/2025 02:26	KRB
SW-8270	*Surrogate: Nitrobenzene-d5-surr*	*101%*		*52-162*							
TCLP SW-8270	Pentachlorophenol	A	<100	mg/L	U	1	0.00248	100	BIA2707	01/25/2025 02:26	KRB
SW-8270	*Surrogate: Phenol-d5-surr*	*88.3%*		*58.7-152*							
SW-8270	*Surrogate: p-Terphenyl-d14-surr*	*57.4%*		*51.9-147*							
TCLP SW-8270	Pyridine	A	<5.00	mg/L	U	1	0.00248	5.00	BIA2707	01/25/2025 02:26	KRB
TCLP SW-6010C	Selenium	A	<1.00	mg/L	U	1	0.00531	1.00	BIA2894	01/27/2025 18:02	AKR

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Laboratory Sample Results
(Continued)

Permit 4518 - Annual Soil Sample - F4 - Composited **Sample Matrix:** **Sludge**

Client Sample ID: **0 - 6 inch Composite (Continued)** **Date Collected:** **01/16/2025 9:30**
Lab Sample ID: **25A3542-01** **Collected by:** **Kendall Smith**

Method	Analyte	*	Result	Units	Q	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP SW-6010C	Silver	A	<5.00	mg/L	U	1	0.00142	5.00	BIA2894	01/27/2025 18:02	AKR
TCLP SW-8151	Silvex (2,4,5-TP)	A	<1.00	mg/L	C+, U	2	0.000476	1.00	BIA2773	01/25/2025 06:27	cdg
TCLP SW-8260	Tetrachloroethylene (Perchloroethylene)	A	<0.700	mg/L	U	10	0.00703	0.700	BIA2682	01/22/2025 19:57	DDB
SW-8260	*Surrogate: Toluene-d8-surr*	*98.5%*		*70-130*							
TCLP SW-8081	Toxaphene (Chlorinated Camphene)	A	<0.500	mg/L	U	1	3.00E-6	0.500	BIA2813	01/24/2025 10:41	cdg
TCLP SW-8260	Trichloroethene (Trichloroethylene)	A	<0.500	mg/L	U	10	0.00744	0.500	BIA2682	01/22/2025 19:57	DDB
TCLP SW-8260	Vinyl chloride (Chloroethene)	A	<0.200	mg/L	U	10	0.0130	0.200	BIA2682	01/22/2025 19:57	DDB

Client Sample ID: **6 - 24 inch Composite** **Date Collected:** **01/16/2025 9:30**
Lab Sample ID: **25A3542-02** **Collected by:** **Kendall Smith**

Method	Analyte	*	Result	Units	Q	DF	SDL	LRL	Batch	Analyzed	Analyst
General Chemistry SM 2540 G	% Solids	A	85.5	%		1	0.100	0.100	BIA2632	01/23/2025 09:04	BP
General Chemistry SW-9045C	pH	A	7.03	pH Units @ 25 °C		1		0.0988	BIA2758	01/23/2025 10:02	FPN
Metals, Total SW-6010C	Arsenic	A	1.47	mg/kg dry		1	0.235	1.07	BIA2628	01/26/2025 12:16	JBM
Metals, Total SW-6010C	Cadmium	A	<0.107	mg/kg dry	U	1	0.0278	0.107	BIA2628	01/26/2025 12:16	JBM
Metals, Total SW-6010C	Chromium	A	6.77	mg/kg dry		1	0.402	0.536	BIA2628	01/26/2025 12:16	TBB
Metals, Total SW-6010C	Copper	A	3.17	mg/kg dry		1	0.114	1.07	BIA2628	01/26/2025 12:16	JBM
Metals, Total SW-6010C	Lead	A	4.18	mg/kg dry		1	0.273	0.536	BIA2628	01/26/2025 12:16	JBM
Metals, Total SW-7471B	Mercury	A	<0.0117	mg/kg dry	U	1	0.00583	0.0117	BIA2592	01/22/2025 14:59	KSI
Metals, Total SW-6010C	Molybdenum	A	<0.536	mg/kg dry	U	1	0.536	0.536	BIA2628	01/26/2025 12:16	JBM
Metals, Total SW-6010C	Nickel	A	0.976	mg/kg dry		1	0.145	0.536	BIA2628	01/26/2025 12:16	JBM
Metals, Total SW-6010C	Zinc	A	4.84	mg/kg dry		1	0.536	0.536	BIA2628	01/26/2025 12:16	JBM
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*	*84.0%*		*60-140*							
SW-8082	*Surrogate: Decachlorobiphenyl-surr*	*76.4%*		*60-140*							
Organics by GC SW-8082	PCBs, Total	A	<6.91	ug/kg dry	U	10	0.197	6.91	BIA2708	01/29/2025 09:30	SHU
TCLP SW-8260	1,1-Dichloroethylene	A	<0.700	mg/L	U	10	0.00849	0.700	BIA2682	01/22/2025 19:41	DDB
TCLP SW-8260	1,2-Dichloroethane (Ethylene dichloride)	A	<0.500	mg/L	U	10	0.00870	0.500	BIA2682	01/22/2025 19:41	DDB
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*	*113%*		*70-130*							
TCLP SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<7.50	mg/L	U	10	0.00641	7.50	BIA2682	01/22/2025 19:41	DDB
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*	*61.7%*		*60-140*							

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Laboratory Sample Results
(Continued)

Permit 4518 - Annual Soil Sample - F4 - Composited **Sample Matrix:** **Sludge**

Client Sample ID: **6 - 24 inch Composite (Continued)** **Date Collected:** **01/16/2025 9:30**
Lab Sample ID: **25A3542-02** **Collected by:** **Kendall Smith**

Method	Analyte	*	Result	Units	Q	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP SW-8270	2,4,5-Trichlorophenol	A	<400	mg/L	U	1	0.00248	400	BIA2707	01/25/2025 03:01	KRB
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*	*100%*		*52.4-136*							
TCLP SW-8270	2,4,6-Trichlorophenol	A	<2.00	mg/L	U	1	0.00248	2.00	BIA2707	01/25/2025 03:01	KRB
TCLP SW-8151	2,4-D	A	<10.0	mg/L	C+, U	2	0.000476	10.0	BIA2773	01/25/2025 06:54	cdg
TCLP SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	mg/L	U	1	0.00248	0.130	BIA2707	01/25/2025 03:01	KRB
TCLP SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	A	<200	mg/L	U	10	0.0738	200	BIA2682	01/22/2025 19:41	DDB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*	*86.6%*		*54.6-148*							
SW-8270	*Surrogate: 2-Fluorophenol-surr*	*91.7%*		*55-152*							
TCLP SW-8270	2-Methylphenol (o-Cresol)	A	<200	mg/L	U	1	0.00248	200	BIA2707	01/25/2025 03:01	KRB
TCLP SW-8270	3,4-Methylphenol	A	<200	mg/L	U	1	0.00248	200	BIA2707	01/25/2025 03:01	KRB
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*	*105%*		*70-130*							
TCLP SW-6010C	Arsenic	A	<5.00	mg/L	U	1	0.00367	5.00	BIA2894	01/27/2025 17:45	AKR
TCLP SW-6010C	Barium	A	<100	mg/L	U	1	0.00125	100	BIA2894	01/27/2025 17:45	AKR
TCLP SW-8260	Benzene	A	<0.500	mg/L	U	10	0.00604	0.500	BIA2682	01/22/2025 19:41	DDB
TCLP SW-6010C	Cadmium	A	<1.00	mg/L	U	1	0.000423	1.00	BIA2894	01/27/2025 17:45	AKR
TCLP SW-8260	Carbon tetrachloride	A	<0.500	mg/L	U	10	0.00500	0.500	BIA2682	01/22/2025 19:41	DDB
TCLP SW-8081	Chlordane (Total)	A	<0.0300	mg/L	U	1	2.99E-6	0.0300	BIA2813	01/24/2025 11:05	cdg
TCLP SW-8260	Chlorobenzene	A	<100	mg/L	U	10	0.00724	100	BIA2682	01/22/2025 19:41	DDB
TCLP SW-8260	Chloroform	A	<6.00	mg/L	U	10	0.00688	6.00	BIA2682	01/22/2025 19:41	DDB
TCLP SW-6010C	Chromium	A	<5.00	mg/L	U	1	0.00131	5.00	BIA2894	01/27/2025 17:45	AKR
SW-8151	*Surrogate: DCAA-surr*	*123%*		*70-130*							
SW-8081	*Surrogate: Decachlorobiphenyl-surr*	*39.4% S*		*60-140*							
SW-8260	*Surrogate: Dibromofluoromethane-surr*	*114%*		*70-130*							
TCLP SW-8081	Endrin	N	<0.0200	mg/L	U	1	2.99E-6	0.0200	BIA2813	01/24/2025 11:05	cdg
TCLP SW-8081	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	A	<0.400	mg/L	U	1	2.99E-6	0.400	BIA2813	01/24/2025 11:05	cdg
TCLP SW-8081	Heptachlor	A	<0.00800	mg/L	U	1	2.99E-6	0.00800	BIA2813	01/24/2025 11:05	cdg
TCLP SW-8081	Heptachlor epoxide	A	<0.00800	mg/L	U	1	2.99E-6	0.00800	BIA2813	01/24/2025 11:05	cdg
TCLP SW-8270	Hexachlorobenzene	A	<0.130	mg/L	U	1	0.00248	0.130	BIA2707	01/25/2025 03:01	KRB
TCLP SW-8270	Hexachlorobutadiene	A	<0.500	mg/L	U	1	0.00248	0.500	BIA2707	01/25/2025 03:01	KRB

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Laboratory Sample Results
(Continued)

Permit 4518 - Annual Soil Sample - F4 - Composited **Sample Matrix:** **Sludge**

Client Sample ID: **6 - 24 inch Composite (Continued)** **Date Collected:** **01/16/2025 9:30**
Lab Sample ID: **25A3542-02** **Collected by:** **Kendall Smith**

Method	Analyte	*	Result	Units	Q	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP SW-8270	Hexachloroethane	A	<3.00	mg/L	U	1	0.00248	3.00	BIA2707	01/25/2025 03:01	KRB
TCLP SW-6010C	Lead	A	<5.00	mg/L	U	1	0.00341	5.00	BIA2894	01/27/2025 17:45	AKR
TCLP SW-7471B	Mercury	A	<0.200	mg/L	U	1	0.000127	0.200	BIA2862	01/24/2025 13:42	KSI
TCLP SW-8081	Methoxychlor	A	<10.0	mg/L	U	1	2.99E-6	10.0	BIA2813	01/24/2025 11:05	cdg
TCLP SW-8270	Nitrobenzene	A	<2.00	mg/L	U	1	0.00248	2.00	BIA2707	01/25/2025 03:01	KRB
SW-8270	*Surrogate: Nitrobenzene-d5-surr*	*108%*		*52-162*							
TCLP SW-8270	Pentachlorophenol	A	<100	mg/L	U	1	0.00248	100	BIA2707	01/25/2025 03:01	KRB
SW-8270	*Surrogate: Phenol-d5-surr*	*90.2%*		*58.7-152*							
SW-8270	*Surrogate: p-Terphenyl-d14-surr*	*70.6%*		*51.9-147*							
TCLP SW-8270	Pyridine	A	<5.00	mg/L	U	1	0.00248	5.00	BIA2707	01/25/2025 03:01	KRB
TCLP SW-6010C	Selenium	A	<1.00	mg/L	U	1	0.00531	1.00	BIA2894	01/27/2025 17:45	AKR
TCLP SW-6010C	Silver	A	<5.00	mg/L	U	1	0.00142	5.00	BIA2894	01/27/2025 17:45	AKR
TCLP SW-8151	Silvex (2,4,5-TP)	A	<1.00	mg/L	C+, U	2	0.000476	1.00	BIA2773	01/25/2025 06:54	cdg
TCLP SW-8260	Tetrachloroethylene (Perchloroethylene)	A	<0.700	mg/L	U	10	0.00703	0.700	BIA2682	01/22/2025 19:41	DDB
SW-8260	*Surrogate: Toluene-d8-surr*	*98.5%*		*70-130*							
TCLP SW-8081	Toxaphene (Chlorinated Camphene)	A	<0.500	mg/L	U	1	2.99E-6	0.500	BIA2813	01/24/2025 11:05	cdg
TCLP SW-8260	Trichloroethene (Trichloroethylene)	A	<0.500	mg/L	U	10	0.00744	0.500	BIA2682	01/22/2025 19:41	DDB
TCLP SW-8260	Vinyl chloride (Chloroethene)	A	<0.200	mg/L	U	10	0.0130	0.200	BIA2682	01/22/2025 19:41	DDB

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2708 - SW-3570										
Blank (BIA2708-BLK1)				Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	<5.98	U	5.98	ug/kg wet						
Aroclor-1221 (PCB-1221)	<5.98	U	5.98	ug/kg wet						
Aroclor-1232 (PCB-1232)	<5.98	U	5.98	ug/kg wet						
Aroclor-1242 (PCB-1242)	<5.98	U	5.98	ug/kg wet						
Aroclor-1248 (PCB-1248)	<5.98	U	5.98	ug/kg wet						
Aroclor-1254 (PCB-1254)	<5.98	U	5.98	ug/kg wet						
Aroclor-1260 (PCB-1260)	<5.98	U	5.98	ug/kg wet						
Aroclor-1262 (PCB-1262)	<5.98	U	5.98	ug/kg wet						
Aroclor-1268 (PCB-1268)	<5.98	U	5.98	ug/kg wet						
PCBs, Total	<5.98	U	5.98	ug/kg wet						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*4.56*	*ug/kg wet*	*5.98*		*76.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.13*	*ug/kg wet*	*5.98*		*85.8*	*60-140*		
LCS (BIA2708-BS1)				Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	54.2		5.96	ug/kg wet	59.6		90.9	60-140		
Aroclor-1260 (PCB-1260)	53.4		5.96	ug/kg wet	59.6		89.6	60-140		
PCBs, Total	53.8		5.96	ug/kg wet	59.6		90.3	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*2.15*	*ug/kg wet*	*5.96*		*36.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*4.47*	*ug/kg wet*	*5.96*		*74.9*	*60-140*		
LCS Dup (BIA2708-BSD1)				Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	61.7		5.96	ug/kg wet	59.6		104	60-140	12.9	40
Aroclor-1260 (PCB-1260)	60.2		5.96	ug/kg wet	59.6		101	60-140	12.0	40
PCBs, Total	61.0		5.96	ug/kg wet	59.6		102	60-140	12.4	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*2.24*	*ug/kg wet*	*5.96*		*37.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.02*	*ug/kg wet*	*5.96*		*84.3*	*60-140*		
Matrix Spike (BIA2708-MS1)	**Source: 25A3389-01**			Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	77.1		7.04	ug/kg dry	70.4	<7.04	109	60-140		
Aroclor-1260 (PCB-1260)	73.3		7.04	ug/kg dry	70.4	4.25	98.0	60-140		
PCBs, Total	75.2		7.04	ug/kg dry	70.4	4.25	101	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*8.19*	*ug/kg dry*	*7.04*		*116*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*6.09*	*ug/kg dry*	*7.04*		*86.5*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2708 - SW-3570 (Continued)										
Matrix Spike Dup (BIA2708-MSD1)		**Source: 25A3389-01**			Prepared: 01/23/2025 Analyzed: 01/29/2025					
Aroclor-1016 (PCB-1016)	70.5		7.01	ug/kg dry	70.1	<7.01	101	60-140	8.84	40
Aroclor-1260 (PCB-1260)	66.5		7.01	ug/kg dry	70.1	4.25	88.9	60-140	9.67	40
PCBs, Total	68.5		7.01	ug/kg dry	70.1	4.25	91.7	60-140	9.24	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.67*	*ug/kg dry*	*7.01*		*109*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.65*	*ug/kg dry*	*7.01*		*80.6*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2592 - SW-7471										
MDL Check (BIA2592-MRL1)					Prepared & Analyzed: 01/22/2025					
Mercury	0.0114	U	0.0197	mg/kg wet	0.00987		116			
Matrix Spike (BIA2592-MS1)		**Source: 25A3401-01**			Prepared & Analyzed: 01/22/2025					
Mercury	0.340	J1	0.0232	mg/kg dry	0.145	0.244	66.6	80-120		
Matrix Spike (BIA2592-MS2)		**Source: 25A3539-01**			Prepared & Analyzed: 01/22/2025					
Mercury	0.302	J1	0.0121	mg/kg dry	0.152	0.0817	145	80-120		
Matrix Spike Dup (BIA2592-MSD1)		**Source: 25A3401-01**			Prepared & Analyzed: 01/22/2025					
Mercury	0.345	J1	0.0232	mg/kg dry	0.145	0.244	69.9	80-120	1.36	20
Matrix Spike Dup (BIA2592-MSD2)		**Source: 25A3539-01**			Prepared & Analyzed: 01/22/2025					
Mercury	0.281	J1	0.0122	mg/kg dry	0.152	0.0817	131	80-120	7.11	20
Batch: BIA2628 - SW-3050 for 6010										
Blank (BIA2628-BLK1)					Prepared: 01/22/2025 Analyzed: 01/26/2025					
Arsenic	<0.0333	U	0.0333	mg/kg wet						
Cadmium	<0.00333	U	0.00333	mg/kg wet						
Chromium	<0.0167	U	0.0167	mg/kg wet						
Copper	<0.0333	U	0.0333	mg/kg wet						
Lead	<0.0167	U	0.0167	mg/kg wet						
Molybdenum	<0.0167	U	0.0167	mg/kg wet						
Nickel	<0.0167	U	0.0167	mg/kg wet						
Zinc	<0.0167	U	0.0167	mg/kg wet						
LCS (BIA2628-BS1)					Prepared: 01/22/2025 Analyzed: 01/26/2025					
Arsenic	0.857		0.0333	mg/kg wet	0.833		103	80-120		
Cadmium	0.0836		0.00333	mg/kg wet	0.0833		100	80-120		
Chromium	0.417		0.0167	mg/kg wet	0.417		100	80-120		
Copper	0.847		0.0333	mg/kg wet	0.833		102	80-120		
Lead	0.427		0.0167	mg/kg wet	0.417		102	80-120		
Molybdenum	0.417		0.0167	mg/kg wet	0.417		100	80-120		
Nickel	0.420		0.0167	mg/kg wet	0.417		101	80-120		
Zinc	0.415		0.0167	mg/kg wet	0.417		99.5	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2628 - SW-3050 for 6010 (Continued)										
Matrix Spike (BIA2628-MS1)	**Source: 25A3656-01**			Prepared: 01/22/2025 Analyzed: 01/26/2025						
Arsenic	30.8		1.12	mg/kg dry	28.1	2.55	101	75-125		
Cadmium	3.66		0.112	mg/kg dry	2.81	1.04	93.5	75-125		
Chromium	34.4		5.62	mg/kg dry	14.0	17.8	119	75-125		
Copper	572		22.4	mg/kg dry	589	<22.4	97.0	75-125		
Lead	27.7		0.562	mg/kg dry	14.0	14.8	91.8	75-125		
Molybdenum	13.2		0.562	mg/kg dry	14.0	0.671	89.6	75-125		
Nickel	18.1		0.562	mg/kg dry	14.0	4.79	95.0	75-125		
Zinc	787	J1	28.1	mg/kg dry	575	<28.1	137	75-125		
Matrix Spike Dup (BIA2628-MSD1)	**Source: 25A3656-01**			Prepared: 01/22/2025 Analyzed: 01/26/2025						
Arsenic	27.9		1.19	mg/kg dry	29.7	2.55	85.2	75-125	10.1	20
Cadmium	3.52		0.119	mg/kg dry	2.97	1.04	83.5	75-125	3.97	20
Chromium	33.4		5.96	mg/kg dry	14.9	17.8	105	75-125	3.22	20
Copper	582		11.9	mg/kg dry	624	<11.9	93.3	75-125	1.84	20
Lead	25.9	J1	0.596	mg/kg dry	14.9	14.8	74.8	75-125	6.59	20
Molybdenum	12.3		0.596	mg/kg dry	14.9	0.671	78.1	75-125	7.56	20
Nickel	17.1		0.596	mg/kg dry	14.9	4.79	83.0	75-125	5.61	20
Zinc	991	J1	29.8	mg/kg dry	609	<29.8	163	75-125	22.9	20
Post Spike (BIA2628-PS1)	**Source: 25A3656-01**			Prepared: 01/22/2025 Analyzed: 01/26/2025						
Arsenic	533			ug/L	500	42.7	98.1	80-120		
Cadmium	66.3			ug/L	50.0	17.4	97.9	80-120		
Chromium	569			ug/L	250	297	109	80-120		
Copper	1680	J1		ug/L	500	-128	336	80-120		
Lead	489			ug/L	250	248	96.5	80-120		
Molybdenum	226			ug/L	250	11.2	85.9	80-120		
Nickel	321			ug/L	250	80.2	96.3	80-120		
Zinc	3630	J1		ug/L	250	3.68	NR	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2628 - SW-3050 for 6010 (Continued)										
Dilution Check (BIA2628-SRL1)	**Source: 25A3656-01**			Prepared: 01/22/2025 Analyzed: 01/26/2025						
Arsenic	3.30	U	5.65	mg/kg dry		2.55			25.6	10
Cadmium	1.07		0.565	mg/kg dry		1.04			3.15	10
Chromium	18.3		2.83	mg/kg dry		17.8			2.91	10
Copper	68.8		5.65	mg/kg dry		<5.65			200	10
Lead	14.5		2.83	mg/kg dry		14.8			1.96	10
Molybdenum	<2.83	U	2.83	mg/kg dry		<2.83			200	10
Nickel	4.65		2.83	mg/kg dry		4.79			2.87	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2632 - Percent Solids										
Blank (BIA2632-BLK1)					Prepared: 01/22/2025 Analyzed: 01/23/2025					
% Solids	<0.100	U	0.100	%						
Duplicate (BIA2632-DUP1)		**Source: 25A0441-05**			Prepared: 01/22/2025 Analyzed: 01/23/2025					
% Solids	2.15		0.100	%		2.15			0.219	10
Duplicate (BIA2632-DUP2)		**Source: 25A3931-04**			Prepared: 01/22/2025 Analyzed: 01/23/2025					
% Solids	2.97		0.100	%		2.94			0.975	10
Reference (BIA2632-SRM1)					Prepared: 01/22/2025 Analyzed: 01/23/2025					
% Solids	0.354		0.100	%	0.338		105	86.1-114		
Batch: BIA2758 - pH										
LCS (BIA2758-BS1)					Prepared & Analyzed: 01/23/2025					
pH	6.89			pH Units @ 25 °C	6.86		100	98.6-101.4		
Duplicate (BIA2758-DUP1)		**Source: 25A3389-02**			Prepared & Analyzed: 01/23/2025					
pH	7.07		0.100	pH Units @ 25 °C		6.96			1.57	200

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

TCLP

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2682 - SW-5030										
Blank (BIA2682-BLK1)					Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	<0.00300	U	0.00300	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.00300	U	0.00300	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<0.00200	U	0.00200	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<0.0220	U	0.0220	mg/L						
Benzene	<0.00200	U	0.00200	mg/L						
Carbon tetrachloride	<0.00100	U	0.00100	mg/L						
Chlorobenzene	<0.00200	U	0.00200	mg/L						
Chloroform	<0.00200	U	0.00200	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.00200	U	0.00200	mg/L						
Trichloroethene (Trichloroethylene)	<0.00200	U	0.00200	mg/L						
Vinyl chloride (Chloroethene)	<0.00400	U	0.00400	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*49.5*	*ug/L*	*50.0*		*99.0*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*57.0*	*ug/L*	*50.0*		*114*	*70-130*		
Surrogate: Toluene-d8-surr			*53.5*	*ug/L*	*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*52.0*	*ug/L*	*50.0*		*104*	*70-130*		
LCS (BIA2682-BS1)					Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	0.0372	U	0.700	mg/L	0.0400		93.1	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0371	U	0.500	mg/L	0.0400		92.7	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0392	U	7.50	mg/L	0.0400		97.9	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.372	U	200	mg/L	0.400		93.1	70-130		
Benzene	0.0376	U	0.500	mg/L	0.0400		94.1	70-130		
Carbon tetrachloride	0.0370	U	0.500	mg/L	0.0400		92.6	70-130		
Chlorobenzene	0.0378	U	100	mg/L	0.0400		94.4	70-130		
Chloroform	0.0381	U	6.00	mg/L	0.0400		95.3	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0346	U	0.700	mg/L	0.0400		86.5	70-130		
Trichloroethene (Trichloroethylene)	0.0394	U	0.500	mg/L	0.0400		98.6	70-130		
Vinyl chloride (Chloroethene)	0.0345	U	0.200	mg/L	0.0400		86.3	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*49.7*	*ug/L*	*50.0*		*99.5*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*46.2*	*ug/L*	*50.0*		*92.4*	*70-130*		
Surrogate: Toluene-d8-surr			*51.1*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*48.6*	*ug/L*	*50.0*		*97.1*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2682 - SW-5030 (Continued)										
LCS Dup (BIA2682-BSD1)					Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	0.0406	U	0.700	mg/L	0.0400		101	70-130	8.62	30
1,2-Dichloroethane (Ethylene dichloride)	0.0397	U	0.500	mg/L	0.0400		99.2	70-130	6.83	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0412	U	7.50	mg/L	0.0400		103	70-130	4.99	30
2-Butanone (Methyl ethyl ketone, MEK)	0.404	U	200	mg/L	0.400		101	70-130	8.23	30
Benzene	0.0409	U	0.500	mg/L	0.0400		102	70-130	8.39	30
Carbon tetrachloride	0.0407	U	0.500	mg/L	0.0400		102	70-130	9.49	30
Chlorobenzene	0.0401	U	100	mg/L	0.0400		100	70-130	5.90	30
Chloroform	0.0406	U	6.00	mg/L	0.0400		102	70-130	6.36	30
Tetrachloroethylene (Perchloroethylene)	0.0421	U	0.700	mg/L	0.0400		105	70-130	19.7	30
Trichloroethene (Trichloroethylene)	0.0410	U	0.500	mg/L	0.0400		102	70-130	3.78	30
Vinyl chloride (Chloroethene)	0.0406	U	0.200	mg/L	0.0400		101	70-130	16.1	30
Surrogate: 1,2-Dichloroethane-d4-surr			*50.2*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*49.0*	*ug/L*	*50.0*		*98.1*	*70-130*		
Surrogate: Toluene-d8-surr			*49.6*	*ug/L*	*50.0*		*99.3*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*49.2*	*ug/L*	*50.0*		*98.4*	*70-130*		
BIA2586-BLK1 (BIA2682-LBK1)					Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	<0.00300	U	0.00300	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.00300	U	0.00300	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<0.00200	U	0.00200	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<0.0220	U	0.0220	mg/L						
Benzene	<0.00200	U	0.00200	mg/L						
Carbon tetrachloride	<0.00100	U	0.00100	mg/L						
Chlorobenzene	<0.00200	U	0.00200	mg/L						
Chloroform	<0.00200	U	0.00200	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.00200	U	0.00200	mg/L						
Trichloroethene (Trichloroethylene)	<0.00200	U	0.00200	mg/L						
Vinyl chloride (Chloroethene)	<0.00400	U	0.00400	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*56.4*	*ug/L*	*50.0*		*113*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*50.6*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8-surr			*50.5*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*58.7*	*ug/L*	*50.0*		*117*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2682 - SW-5030 (Continued)										
BIA2392-BLK1 (BIA2682-LBK2)					Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	<0.00300	U	0.00300	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.00300	U	0.00300	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<0.00200	U	0.00200	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<0.0220	U	0.0220	mg/L						
Benzene	<0.00200	U	0.00200	mg/L						
Carbon tetrachloride	<0.00100	U	0.00100	mg/L						
Chlorobenzene	<0.00200	U	0.00200	mg/L						
Chloroform	<0.00200	U	0.00200	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.00200	U	0.00200	mg/L						
Trichloroethene (Trichloroethylene)	<0.00200	U	0.00200	mg/L						
Vinyl chloride (Chloroethene)	<0.00400	U	0.00400	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*53.9*	*ug/L*	*50.0*		*108*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*48.3*	*ug/L*	*50.0*		*96.6*	*70-130*		
Surrogate: Toluene-d8-surr			*50.4*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*55.2*	*ug/L*	*50.0*		*110*	*70-130*		
Matrix Spike (BIA2682-MS1)	**Source: 25A3412-01**				Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	0.0586	U	0.700	mg/L	0.0500	<0.700	117	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0422	U	0.500	mg/L	0.0500	<0.500	84.3	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0429	U	7.50	mg/L	0.0500	<7.50	85.7	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.331	J1, U	200	mg/L	0.500	<200	66.3	70-130		
Benzene	0.0480	U	0.500	mg/L	0.0500	<0.500	96.0	70-130		
Carbon tetrachloride	0.0537	U	0.500	mg/L	0.0500	<0.500	107	70-130		
Chlorobenzene	0.0448	U	100	mg/L	0.0500	<100	89.5	70-130		
Chloroform	0.0432	U	6.00	mg/L	0.0500	<6.00	86.4	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0538	U	0.700	mg/L	0.0500	<0.700	108	70-130		
Trichloroethene (Trichloroethylene)	0.0479	U	0.500	mg/L	0.0500	<0.500	95.9	70-130		
Vinyl chloride (Chloroethene)	0.0876	J1, U	0.200	mg/L	0.0500	<0.200	175	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*52.4*	*ug/L*	*50.0*		*105*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*50.4*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8-surr			*48.1*	*ug/L*	*50.0*		*96.3*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*52.9*	*ug/L*	*50.0*		*106*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2682 - SW-5030 (Continued)										
Matrix Spike Dup (BIA2682-MSD1)	**Source: 25A3412-01**				Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	0.0480	U	0.700	mg/L	0.0500	<0.700	96.1	70-130	19.9	30
1,2-Dichloroethane (Ethylene dichloride)	0.0377	U	0.500	mg/L	0.0500	<0.500	75.5	70-130	11.0	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0377	U	7.50	mg/L	0.0500	<7.50	75.3	70-130	12.9	30
2-Butanone (Methyl ethyl ketone, MEK)	0.280	J1, U	200	mg/L	0.500	<200	55.9	70-130	16.9	30
Benzene	0.0426	U	0.500	mg/L	0.0500	<0.500	85.2	70-130	11.9	30
Carbon tetrachloride	0.0512	U	0.500	mg/L	0.0500	<0.500	102	70-130	4.66	30
Chlorobenzene	0.0404	U	100	mg/L	0.0500	<100	80.9	70-130	10.2	30
Chloroform	0.0387	U	6.00	mg/L	0.0500	<6.00	77.3	70-130	11.1	30
Tetrachloroethylene (Perchloroethylene)	0.0538	U	0.700	mg/L	0.0500	<0.700	108	70-130	0.0948	30
Trichloroethene (Trichloroethylene)	0.0426	U	0.500	mg/L	0.0500	<0.500	85.3	70-130	11.7	30
Vinyl chloride (Chloroethene)	0.0522	J1, U	0.200	mg/L	0.0500	<0.200	104	70-130	50.7	30
Surrogate: 1,2-Dichloroethane-d4-surr			*52.6*	*ug/L*	*50.0*		*105*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*51.5*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8-surr			*46.7*	*ug/L*	*50.0*		*93.4*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*53.1*	*ug/L*	*50.0*		*106*	*70-130*		
Batch: BIA2707 - SW-3511										
MB SV (BIA2707-BLK1)					Prepared: 01/23/2025 Analyzed: 01/24/2025					
2,4,5-Trichlorophenol	<0.00124	U	0.00124	mg/L						
2,4,6-Trichlorophenol	<0.00124	U	0.00124	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00124	U	0.00124	mg/L						
2-Methylphenol (o-Cresol)	<0.00124	U	0.00124	mg/L						
3,4-Methylphenol	<0.00124	U	0.00124	mg/L						
Hexachlorobenzene	<0.00124	U	0.00124	mg/L						
Hexachlorobutadiene	<0.00124	U	0.00124	mg/L						
Hexachloroethane	<0.00124	U	0.00124	mg/L						
Nitrobenzene	<0.00124	U	0.00124	mg/L						
Pentachlorophenol	<0.00124	U	0.00124	mg/L						
Pyridine	<0.00124	U	0.00124	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.00823*	*mg/L*	*0.00991*		*83.1*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0194*	*mg/L*	*0.0198*		*98.0*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0205*	*mg/L*	*0.0198*		*104*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00868*	*mg/L*	*0.00991*		*87.6*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0179*	*mg/L*	*0.0198*		*90.5*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00795*	*mg/L*	*0.00991*		*80.3*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2707 - SW-3511 (Continued)										
BS SV (BIA2707-BS1)					Prepared: 01/23/2025 Analyzed: 01/24/2025					
2,4,5-Trichlorophenol	0.0211	U	400	mg/L	0.0199		106	60-140		
2,4,6-Trichlorophenol	0.0210	U	2.00	mg/L	0.0199		105	60-140		
2,4-Dinitrotoluene (2,4-DNT)	0.0101	U	0.130	mg/L	0.00995		101	60-140		
2-Methylphenol (o-Cresol)	0.0181	U	200	mg/L	0.0199		91.0	60-140		
3,4-Methylphenol	0.0336	U	200	mg/L	0.0398		84.5	60-140		
Hexachlorobenzene	0.00830	U	0.130	mg/L	0.00995		83.4	60-140		
Hexachlorobutadiene	0.00662	U	0.500	mg/L	0.00995		66.6	60-140		
Hexachloroethane	0.00747	U	3.00	mg/L	0.00995		75.1	60-140		
Nitrobenzene	0.00954	U	2.00	mg/L	0.00995		95.9	60-140		
Pentachlorophenol	0.0208	U	100	mg/L	0.0199		105	36.8-149		
Pyridine	0.00799	U	5.00	mg/L	0.0498		16.1	2.5-101		
Surrogate: 2-Fluorobiphenyl-surr			*0.00840*	*mg/L*	*0.00995*		*84.4*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0198*	*mg/L*	*0.0199*		*99.4*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0179*	*mg/L*	*0.0199*		*90.0*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00865*	*mg/L*	*0.00995*		*86.9*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0183*	*mg/L*	*0.0199*		*92.2*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00836*	*mg/L*	*0.00995*		*84.0*	*51.9-147*		
BSD SV (BIA2707-BSD1)					Prepared: 01/23/2025 Analyzed: 01/24/2025					
2,4,5-Trichlorophenol	0.0222	U	400	mg/L	0.0199		112	60-140	5.10	40
2,4,6-Trichlorophenol	0.0209	U	2.00	mg/L	0.0199		105	60-140	0.590	40
2,4-Dinitrotoluene (2,4-DNT)	0.00958	U	0.130	mg/L	0.00994		96.4	60-140	4.89	40
2-Methylphenol (o-Cresol)	0.0179	U	200	mg/L	0.0199		90.2	60-140	1.06	40
3,4-Methylphenol	0.0346	U	200	mg/L	0.0398		87.1	60-140	2.93	40
Hexachlorobenzene	0.00874	U	0.130	mg/L	0.00994		87.9	60-140	5.11	40
Hexachlorobutadiene	0.00621	U	0.500	mg/L	0.00994		62.4	60-140	6.54	40
Hexachloroethane	0.00778	U	3.00	mg/L	0.00994		78.3	60-140	4.10	40
Nitrobenzene	0.00982	U	2.00	mg/L	0.00994		98.8	60-140	2.88	40
Pentachlorophenol	0.0215	U	100	mg/L	0.0199		108	36.8-149	3.17	40
Pyridine	0.0262	J1, U	5.00	mg/L	0.0497		52.8	2.5-101	107	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00892*	*mg/L*	*0.00994*		*89.8*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0214*	*mg/L*	*0.0199*		*108*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0180*	*mg/L*	*0.0199*		*90.4*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00933*	*mg/L*	*0.00994*		*93.9*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0188*	*mg/L*	*0.0199*		*94.7*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00824*	*mg/L*	*0.00994*		*82.9*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2707 - SW-3511 (Continued)										
BIA2391-BLK1 (BIA2707-LBK1)					Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4,5-Trichlorophenol	<0.00497	U	0.00497	mg/L						
2,4,6-Trichlorophenol	<0.00497	U	0.00497	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00497	U	0.00497	mg/L						
2-Methylphenol (o-Cresol)	<0.00497	U	0.00497	mg/L						
3,4-Methylphenol	0.00265	U	0.00497	mg/L						
Hexachlorobenzene	<0.00497	U	0.00497	mg/L						
Hexachlorobutadiene	<0.00497	U	0.00497	mg/L						
Hexachloroethane	<0.00497	U	0.00497	mg/L						
Nitrobenzene	<0.00497	U	0.00497	mg/L						
Pentachlorophenol	<0.00497	U	0.00497	mg/L						
Pyridine	<0.00497	U	0.00497	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0328*	*mg/L*	*0.0398*		*82.4*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0723*	*mg/L*	*0.0795*		*91.0*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0756*	*mg/L*	*0.0795*		*95.0*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0451*	*mg/L*	*0.0398*		*113*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0687*	*mg/L*	*0.0795*		*86.4*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0271*	*mg/L*	*0.0398*		*68.3*	*51.9-147*		
BIA2584-BLK1 (BIA2707-LBK2)					Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4,5-Trichlorophenol	<0.00495	U	0.00495	mg/L						
2,4,6-Trichlorophenol	<0.00495	U	0.00495	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00495	U	0.00495	mg/L						
2-Methylphenol (o-Cresol)	<0.00495	U	0.00495	mg/L						
3,4-Methylphenol	0.00251	U	0.00495	mg/L						
Hexachlorobenzene	<0.00495	U	0.00495	mg/L						
Hexachlorobutadiene	<0.00495	U	0.00495	mg/L						
Hexachloroethane	<0.00495	U	0.00495	mg/L						
Nitrobenzene	<0.00495	U	0.00495	mg/L						
Pentachlorophenol	<0.00495	U	0.00495	mg/L						
Pyridine	<0.00495	U	0.00495	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0337*	*mg/L*	*0.0396*		*85.2*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0775*	*mg/L*	*0.0792*		*97.8*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0750*	*mg/L*	*0.0792*		*94.7*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0390*	*mg/L*	*0.0396*		*98.5*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0693*	*mg/L*	*0.0792*		*87.4*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0267*	*mg/L*	*0.0396*		*67.3*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2707 - SW-3511 (Continued)										
25A3412-02 MS (BIA2707-MS1)		**Source: 25A3412-02**			Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4,5-Trichlorophenol	0.0855	U	400	mg/L	0.0798	<400	107	44.9-171		
2,4,6-Trichlorophenol	0.0760	U	2.00	mg/L	0.0798	<2.00	95.3	34.7-143		
2,4-Dinitrotoluene (2,4-DNT)	0.0426	U	0.130	mg/L	0.0399	<0.130	107	50.3-144		
2-Methylphenol (o-Cresol)	0.0818	U	200	mg/L	0.0798	<200	102	60-140		
3,4-Methylphenol	0.142	U	200	mg/L	0.160	0.00267	87.1	43.4-188		
Hexachlorobenzene	0.0358	U	0.130	mg/L	0.0399	<0.130	89.7	56.1-137		
Hexachlorobutadiene	0.0296	U	0.500	mg/L	0.0399	<0.500	74.2	33.1-110		
Hexachloroethane	0.0287	U	3.00	mg/L	0.0399	<3.00	71.9	36.2-106		
Nitrobenzene	0.0487	U	2.00	mg/L	0.0399	<2.00	122	54.9-156		
Pentachlorophenol	0.0935	U	100	mg/L	0.0798	<100	117	42.2-151		
Pyridine	0.0859	U	5.00	mg/L	0.199	<5.00	43.1	2-87.4		
Surrogate: 2-Fluorobiphenyl-surr			*0.0366*	*mg/L*	*0.0399*		*91.9*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0860*	*mg/L*	*0.0798*		*108*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0798*	*mg/L*	*0.0798*		*100*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0428*	*mg/L*	*0.0399*		*107*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0875*	*mg/L*	*0.0798*		*110*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0366*	*mg/L*	*0.0399*		*91.7*	*51.9-147*		
25A3412-02 MSD (BIA2707-MSD1)		**Source: 25A3412-02**			Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4,5-Trichlorophenol	0.0808	U	400	mg/L	0.0794	<400	102	44.9-171	5.64	40
2,4,6-Trichlorophenol	0.0792	U	2.00	mg/L	0.0794	<2.00	99.8	34.7-143	4.17	40
2,4-Dinitrotoluene (2,4-DNT)	0.0440	U	0.130	mg/L	0.0397	<0.130	111	50.3-144	3.27	40
2-Methylphenol (o-Cresol)	0.0783	U	200	mg/L	0.0794	<200	98.7	60-140	4.29	40
3,4-Methylphenol	0.147	L, U	200	mg/L	0.159	0.00267	90.7	43.4-188	3.49	40
Hexachlorobenzene	0.0338	U	0.130	mg/L	0.0397	<0.130	85.1	56.1-137	5.72	40
Hexachlorobutadiene	0.0307	U	0.500	mg/L	0.0397	<0.500	77.4	33.1-110	3.74	40
Hexachloroethane	0.0315	U	3.00	mg/L	0.0397	<3.00	79.3	36.2-106	9.29	40
Nitrobenzene	0.0446	U	2.00	mg/L	0.0397	<2.00	112	54.9-156	8.79	40
Pentachlorophenol	0.0941	U	100	mg/L	0.0794	<100	119	42.2-151	0.628	40
Pyridine	0.0746	U	5.00	mg/L	0.198	<5.00	37.6	2-87.4	14.1	40
Surrogate: 2-Fluorobiphenyl-surr			*0.0346*	*mg/L*	*0.0397*		*87.3*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0757*	*mg/L*	*0.0794*		*95.3*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0772*	*mg/L*	*0.0794*		*97.3*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0388*	*mg/L*	*0.0397*		*97.9*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0821*	*mg/L*	*0.0794*		*103*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0356*	*mg/L*	*0.0397*		*89.7*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2773 - SW-3511										
Blank (BIA2773-BLK1)					Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4-D	<0.000119	U	0.000119	mg/L						
Silvex (2,4,5-TP)	<0.000119	U	0.000119	mg/L						
Surrogate: DCAA-surr		*S*	*0.0351*	*mg/L*	*0.0250*		*140*	*70-130*		
LCS (BIA2773-BS1)					Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4-D	0.00701	J1, U	10.0	mg/L	0.00515		136	70-130		
Silvex (2,4,5-TP)	0.00553	U	1.00	mg/L	0.00500		111	70-130		
Surrogate: DCAA-surr		*S*	*0.0351*	*mg/L*	*0.0250*		*140*	*70-130*		
LCS Dup (BIA2773-BSD1)					Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4-D	0.00658	U	10.0	mg/L	0.00514		128	70-130	6	30
Silvex (2,4,5-TP)	0.00521	U	1.00	mg/L	0.00500		104	70-130	6	30
Surrogate: DCAA-surr			*0.0322*	*mg/L*	*0.0250*		*129*	*70-130*		
BIA2391-BLK1 (BIA2773-LBK1)					Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4-D	<0.000476	U	0.000476	mg/L						
Silvex (2,4,5-TP)	<0.000476	U	0.000476	mg/L						
Surrogate: DCAA-surr		*S*	*0.138*	*mg/L*	*0.0999*		*138*	*70-130*		
BIA2584-BLK1 (BIA2773-LBK2)					Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4-D	<0.000475	U	0.000475	mg/L						
Silvex (2,4,5-TP)	<0.000475	U	0.000475	mg/L						
Surrogate: DCAA-surr		*S*	*0.140*	*mg/L*	*0.0998*		*140*	*70-130*		
Matrix Spike (BIA2773-MS1)		**Source: 25A3401-01**			Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4-D	0.0286	J1, U	10.0	mg/L	0.0206	<10.0	139	70-130		
Silvex (2,4,5-TP)	0.0221	U	1.00	mg/L	0.0200	<1.00	111	70-130		
Surrogate: DCAA-surr			*0.123*	*mg/L*	*0.0999*		*123*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2773 - SW-3511 (Continued)										
Matrix Spike Dup (BIA2773-MSD1)	**Source: 25A3401-01**				Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4-D	0.0313	J1, U	10.0	mg/L	0.0205	<10.0	152	70-130	9	30
Silvex (2,4,5-TP)	0.0232	U	1.00	mg/L	0.0199	<1.00	116	70-130	5	30
Surrogate: DCAA-surr		*S*	*0.152*	*mg/L*	*0.0997*		*152*	*70-130*		
Batch: BIA2813 - SW-3511										
Blank (BIA2813-BLK1)					Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	<1.19E-6	U	1.19E-6	mg/L						
cis-Chlordane (alpha-Chlordane)	<1.19E-6	U	1.19E-6	mg/L						
Endrin	<1.19E-6	U	1.19E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<1.19E-6	U	1.19E-6	mg/L						
gamma-Chlordane	<1.19E-6	U	1.19E-6	mg/L						
Heptachlor	<1.19E-6	U	1.19E-6	mg/L						
Heptachlor epoxide	<1.19E-6	U	1.19E-6	mg/L						
Methoxychlor	<1.19E-6	U	1.19E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<1.19E-6	U	1.19E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.18E-5*	*mg/L*	*0.000119*		*60.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000127*	*mg/L*	*0.000119*		*107*	*60-140*		
LCS (BIA2813-BS1)					Prepared & Analyzed: 01/23/2025					
Toxaphene (Chlorinated Camphene)	0.000930	U	0.500	mg/L	0.00119		78.1	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*8.20E-5*	*mg/L*	*0.000119*		*68.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*9.49E-5*	*mg/L*	*0.000119*		*79.7*	*60-140*		
LCS (BIA2813-BS2)					Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	0.000391	U	0.0300	mg/L	0.000477		81.9	60-140		
Endrin	9.62E-5	U	0.0200	mg/L	0.000119		80.7	60-140		
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	8.96E-5	U	0.400	mg/L	0.000119		75.2	60-140		
Heptachlor	9.14E-5	U	0.00800	mg/L	0.000119		76.7	60-140		
Heptachlor epoxide	9.77E-5	U	0.00800	mg/L	0.000119		82.0	60-140		
Methoxychlor	0.000101	U	10.0	mg/L	0.000119		84.4	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.80E-5*	*mg/L*	*0.000119*		*65.4*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000114*	*mg/L*	*0.000119*		*95.8*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2813 - SW-3511 (Continued)										
LCS Dup (BIA2813-BSD1)					Prepared & Analyzed: 01/23/2025					
Toxaphene (Chlorinated Camphene)	0.000833	U	0.500	mg/L	0.00119		70.2	60-140	11.0	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.57E-5*	*mg/L*	*0.000119*		*63.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*8.41E-5*	*mg/L*	*0.000119*		*70.8*	*60-140*		
LCS Dup (BIA2813-BSD2)					Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	0.000367	U	0.0300	mg/L	0.000473		77.6	60-140	6.40	40
Endrin	0.000101	U	0.0200	mg/L	0.000118		85.7	60-140	5.07	40
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	8.64E-5	U	0.400	mg/L	0.000118		73.1	60-140	3.71	40
Heptachlor	7.82E-5	U	0.00800	mg/L	0.000118		66.2	60-140	15.6	40
Heptachlor epoxide	9.21E-5	U	0.00800	mg/L	0.000118		77.9	60-140	5.99	40
Methoxychlor	0.000113	U	10.0	mg/L	0.000118		95.4	60-140	11.4	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.58E-5*	*mg/L*	*0.000118*		*64.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000103*	*mg/L*	*0.000118*		*87.5*	*60-140*		
BIA2391-BLK1 (BIA2813-LBK1)					Prepared: 01/23/2025 Analyzed: 01/24/2025					
Chlordane (Total)	<0.0300	U	0.0300	mg/L						
Endrin	<5.96E-6	U	5.96E-6	mg/L						
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	<5.96E-6	U	5.96E-6	mg/L						
Heptachlor	<5.96E-6	U	5.96E-6	mg/L						
Heptachlor epoxide	<5.96E-6	U	5.96E-6	mg/L						
Methoxychlor	<5.96E-6	U	5.96E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<5.96E-6	U	5.96E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000400*	*mg/L*	*0.000596*		*67.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*0.000262*	*mg/L*	*0.000596*		*43.9*	*60-140*		
BIA2584-BLK1 (BIA2813-LBK2)					Prepared: 01/23/2025 Analyzed: 01/24/2025					
Chlordane (Total)	<5.99E-6	U	5.99E-6	mg/L						
Endrin	<5.99E-6	U	5.99E-6	mg/L						
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	<5.99E-6	U	5.99E-6	mg/L						
Heptachlor	<5.99E-6	U	5.99E-6	mg/L						
Heptachlor epoxide	<5.99E-6	U	5.99E-6	mg/L						
Methoxychlor	<5.99E-6	U	5.99E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<5.99E-6	U	5.99E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000396*	*mg/L*	*0.000599*		*66.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*0.000265*	*mg/L*	*0.000599*		*44.2*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2813 - SW-3511 (Continued)										
MRL Check (BIA2813-MRL1)					Prepared & Analyzed: 01/23/2025					
Toxaphene (Chlorinated Camphene)	0.000232	U	0.500	mg/L	0.000296		78.4			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr		*S*	*6.52E-5*	*mg/L*	*0.000118*		*55.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000118*	*mg/L*	*0.000118*		*99.2*	*60-140*		
MRL Check (BIA2813-MRL2)					Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	2.86E-5	U	0.0300	mg/L	4.76E-5		60.0			
Endrin	7.53E-6	U	0.0200	mg/L	1.19E-5		63.2			
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	7.11E-6	U	0.400	mg/L	1.19E-5		59.7			
Heptachlor	6.22E-6	U	0.00800	mg/L	1.19E-5		52.2			
Heptachlor epoxide	7.28E-6	U	0.00800	mg/L	1.19E-5		61.1			
Methoxychlor	7.84E-6	U	10.0	mg/L	1.19E-5		65.9			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.44E-5*	*mg/L*	*0.000119*		*62.5*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*9.36E-5*	*mg/L*	*0.000119*		*78.6*	*60-140*		
Matrix Spike (BIA2813-MS1)		**Source: 25A3468-01**			Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	0.00176	U	0.0300	mg/L	0.00240	<0.0300	73.4	60-140		
Endrin	0.000466	U	0.0200	mg/L	0.000599	<0.0200	77.8	60-140		
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	0.000415	U	0.400	mg/L	0.000599	<0.400	69.2	60-140		
Heptachlor	0.000392	U	0.00800	mg/L	0.000599	<0.00800	65.5	60-140		
Heptachlor epoxide	0.000446	U	0.00800	mg/L	0.000599	<0.00800	74.5	60-140		
Methoxychlor	0.000530	U	10.0	mg/L	0.000599	<10.0	88.5	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr		*S*	*0.000295*	*mg/L*	*0.000599*		*49.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000405*	*mg/L*	*0.000599*		*67.7*	*60-140*		
Matrix Spike Dup (BIA2813-MSD1)		**Source: 25A3468-01**			Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	0.00186	U	0.0300	mg/L	0.00240	<0.0300	77.5	60-140	5.66	40
Endrin	0.000479	U	0.0200	mg/L	0.000600	<0.0200	79.8	60-140	2.70	40
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	0.000411	U	0.400	mg/L	0.000600	<0.400	68.5	60-140	0.944	40
Heptachlor	0.000400	U	0.00800	mg/L	0.000600	<0.00800	66.6	60-140	1.90	40
Heptachlor epoxide	0.000489	U	0.00800	mg/L	0.000600	<0.00800	81.5	60-140	9.13	40
Methoxychlor	0.000582	U	10.0	mg/L	0.000600	<10.0	97.0	60-140	9.36	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr		*S*	*0.000308*	*mg/L*	*0.000600*		*51.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000483*	*mg/L*	*0.000600*		*80.6*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2862 - SW-7471 TCLP										
Duplicate (BIA2862-DUP1)		**Source: 25A3468-01**			Prepared & Analyzed: 01/24/2025					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
Duplicate (BIA2862-DUP2)		**Source: 25A3613-01**			Prepared & Analyzed: 01/24/2025					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
BIA2391-BLK1 (BIA2862-LBK1)					Prepared & Analyzed: 01/24/2025					
Mercury	<0.200	U	0.200	mg/L						
MDL Check (BIA2862-MRL1)					Prepared & Analyzed: 01/24/2025					
Mercury	0.000244	U	0.200	mg/L	0.000200		122			
Matrix Spike (BIA2862-MS1)		**Source: 25A3468-01**			Prepared & Analyzed: 01/24/2025					
Mercury	0.00490	U	0.200	mg/L	0.00500	<0.200	98.0	80-120		
Matrix Spike (BIA2862-MS2)		**Source: 25A3613-01**			Prepared & Analyzed: 01/24/2025					
Mercury	0.00523	U	0.200	mg/L	0.00500	<0.200	105	80-120		
Batch: BIA2894 - EPA 200.2 TCLP										
Blank (BIA2894-BLK1)					Prepared: 01/24/2025 Analyzed: 01/27/2025					
Arsenic	<5.00	U	5.00	mg/L						
Barium	<100	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Chromium	<5.00	U	5.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2894 - EPA 200.2 TCLP (Continued)										
LCS (BIA2894-BS1)					Prepared: 01/24/2025 Analyzed: 01/27/2025					
Arsenic	0.512	U	5.00	mg/L	0.500		102	80-120		
Barium	0.508	U	100	mg/L	0.500		102	80-120		
Cadmium	0.0510	U	1.00	mg/L	0.0500		102	80-120		
Chromium	0.254	U	5.00	mg/L	0.250		102	80-120		
Lead	0.252	U	5.00	mg/L	0.250		101	80-120		
Selenium	0.510	U	1.00	mg/L	0.500		102	80-120		
Silver	0.0518	U	5.00	mg/L	0.0500		104	80-120		
Duplicate (BIA2894-DUP1)			**Source: 25A3613-02**		Prepared: 01/24/2025 Analyzed: 01/27/2025					
Arsenic	0.0122	U	5.00	mg/L		0.0121			0.905	20
Barium	0.278	U	100	mg/L		0.296			6.26	20
Cadmium	0.000730	U	1.00	mg/L		0.00104			35.0	20
Chromium	0.00573	U	5.00	mg/L		0.00652			12.9	20
Lead	<5.00	U	5.00	mg/L		0.00559			200	20
Selenium	<1.00	U	1.00	mg/L		<1.00				20
Silver	<5.00	U	5.00	mg/L		<5.00				20
BIA2584-LBK1 (BIA2894-LBK1)					Prepared: 01/24/2025 Analyzed: 01/27/2025					
Arsenic	0.00580	U	5.00	mg/L						
Barium	0.0174	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Chromium	0.00269	U	5.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						
Matrix Spike (BIA2894-MS1)			**Source: 25A3613-02**		Prepared: 01/24/2025 Analyzed: 01/27/2025					
Arsenic	0.525	U	5.00	mg/L	0.500	0.0121	103	75-125		
Barium	0.798	U	100	mg/L	0.500	0.296	100	75-125		
Cadmium	0.0524	U	1.00	mg/L	0.0500	0.00104	103	75-125		
Chromium	0.253	U	5.00	mg/L	0.250	0.00652	98.4	75-125		
Lead	0.239	U	5.00	mg/L	0.250	0.00559	93.4	75-125		
Selenium	0.517	U	1.00	mg/L	0.500	<1.00	103	75-125		
Silver	0.0550	U	5.00	mg/L	0.0500	<5.00	110	75-125		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2894 - EPA 200.2 TCLP (Continued)										
Post Spike (BIA2894-PS1)		**Source: 25A3613-02**			Prepared: 01/24/2025 Analyzed: 01/27/2025					
Arsenic	462			ug/L	500	11.8	90.0	80-120		
Barium	708			ug/L	500	289	83.8	80-120		
Cadmium	45.4			ug/L	50.0	1.01	88.9	80-120		
Chromium	210			ug/L	250	6.36	81.4	80-120		
Lead	209			ug/L	250	5.45	81.3	80-120		
Selenium	460			ug/L	500	2.49	91.4	80-120		
Silver	48.0			ug/L	50.0	0.741	94.6	80-120		
Dilution Check (BIA2894-SRL1)		**Source: 25A3613-02**			Prepared: 01/24/2025 Analyzed: 01/27/2025					
Arsenic	<5.00	U	5.00	mg/L		<5.00			200	10
Barium	0.312	U	100	mg/L		0.296			5.24	10
Cadmium	<1.00	U	1.00	mg/L		<1.00			200	10
Chromium	<5.00	U	5.00	mg/L		<5.00			200	10
Lead	<5.00	U	5.00	mg/L		<5.00			200	10
Selenium	<1.00	U	1.00	mg/L		<1.00				10
Silver	<5.00	U	5.00	mg/L		<5.00				10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Sample Condition Checklist

Work Order: 25A3542

Check Points	
No	Custody Seals
No	Containers Intact
No	COC/Labels Agree
No	Received On Ice
No	Appropriate Containers
No	Appropriate Sample Volume
No	Coolers Intact
No	Samples Accepted

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

Term and Qualifier Definitions

Item	Definition
C+	The associated calibration QC is higher than the established quality control criteria for accuracy - no hit in sample; data not affected and acceptable to report.
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
L	Off scale high - The concentration of the analyte exceeds the linear range.
S	The surrogate recovery was outside the established laboratory recovery limit.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available

NWDLS

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6080 - lab@nwdls.com
TCEQ TX-C24-00185

25A3542

K3BMI Kendall Smith 9458 FM 362 Brookshire, TX 77423 Phone: (281) 375-5778	**Project Name** : Permit 4516 - Annual Soil Sample - 4 - Composited **Project Comments**: 1.3 miles south of intersection of FM 362 and FM 529 on the west side of FM 362. Brookshire TX 77423. Waller County.	**Schedule Comments:**

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
25A3542-01	0 - 6 inch Composite	1-16-25 8:50am	1-16-25 9:30am	S Composite	A HDPE MET 250mL B HDPE MET 250mL C FieldContainer D Glass 250mL w/ Teflon-lined Lid E HDPE 250mL F Glass VOA 40mL G Glass VOA 40mL H Glass VOA 40mL I Glass Wide 1L w/ Teflon-lined Lid J HDPE 250mL K Glass VOA 60mL Protocol A	Arsenic ICP 6010 4°C Arsenic ICP TCLP 4°C Barium ICP TCLP 4°C Cadmium ICP 6010 4°C Cadmium ICP TCLP 4°C Chromium ICP 6010 4°C Chromium ICP TCLP 4°C Copper ICP 6010 4°C Hg-7471 4°C Hg-7471-TCLP 4°C Lead ICP 6010 4°C Lead ICP TCLP 4°C Molybdenum ICP 6010 4°C Nickel ICP 6010 4°C Selenium ICP TCLP 4°C Silver ICP TCLP 4°C Zinc ICP 6010 4°C HERB-TCLP 4°C OCP-8081-TCLP 4°C PCB-8082 4°C SVOA-TCLP 4°C TCLP Bottle 4°C TCLP ZHE 4°C VOA-TCLP 4°C pH-9045 4°C TS-2540 G 4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A3542

F4

K3BMI Kendall Smith 9458 FM 362 Brookshire, TX 77423 Phone: (281) 375-5778	**Project Name** : Permit 4518 - Annual Soil Sample - 4C - Composited **Project Comments:** 1.3 miles south of intersection of FM 362 and FM 529 on the west side of FM 362. Brookshire TX 77423. Waller County.	**Schedule Comments:**

25A3542-02	6 - 24 Inch Composite	1-16-25 8:50am	1-16-25 9:30am	S Composite	A HDPE MET 250mL B HDPE MET 250mL C Glass 250mL w/ Teflon-lined Lid D HDPE 250mL E Glass VOA 40mL F Glass VOA 40mL G Glass VOA 40mL H Glass Wide 1L w/ Teflon-lined Lid I HDPE 250mL J Glass VOA 60mL Protocol A	Arsenic ICP 6010 4°C Arsenic ICP TCLP 4°C Barium ICP TCLP 4°C Cadmium ICP 6010 4°C Cadmium ICP TCLP 4°C Chromium ICP 6010 4°C Chromium ICP TCLP 4°C Copper ICP 6010 4°C Hg-7471 4°C Hg-7471-TCLP 4°C Lead ICP 6010 4°C Lead ICP TCLP 4°C Molybdenum ICP 6010 4°C Nickel ICP 6010 4°C Selenium ICP TCLP 4°C Silver ICP TCLP 4°C Zinc ICP 6010 4°C HERB-TCLP 4°C OCP-8081-TCLP 4°C PCB-8082 4°C SVOA-TCLP 4°C TCLP Bottle 4°C TCLP ZHE 4°C VOA-TCLP 4°C pH-9045 4°C TS-2540 G 4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00165

25A3542

K3BMI Kendall Smith 9458 FM 362 Brookshire, TX 77423 Phone: (281) 375-5778	**Project Name** : Permit 4518 - Annual Soil Sample - 4[illegible] - Composited	**Schedule Comments:**
	Project Comments: 1.3 miles south of intersection of FM 362 and FM 529 on the west side of FM 362. Brookshire TX 77423. Waller County.	

Field Remarks:		**Preservation:** (Circle and Write ID)	H_2SO_4	HNO_3	NaOH Other:
Sampler (Signature): KSmith	Relinquished By: (Signature) KSmith	Date/Time 1-17-25 10:12	Received By: (Signature)		Date/Time 1-17-25/1012
Print Name: Kendall Smith	Relinquished By: (Signature)	Date/Time	Received By: (Signature)		Date/Time
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 1-17-25/1600	Received for Laboratory By: (Signature) LMC		Date/Time 1600 1-17-25

Custody Seal : Yes / No — COC Labels Agree: Yes / No — Appropriate Volume: Yes / No — Received on Ice: Yes / No — Temperature: °C

Container Intact : Yes / No — Appropriate Containers: Yes / No — Coolers Intact: Yes / No — Samples Accepted: Yes / No — Thermometer ID:

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:21

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com

February 20, 2025

Laboratory Report

Kendall Smith
K3BMI
9458 FM 362
Brookshire, TX 77423

Report ID: 20250220132932RLR

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Rebecca Rabon
Assistant Project Manager

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Sample Results

Client Sample ID: 0 - 6 inch Composite
Lab Sample ID: 25A3543-01
Permit 4518 - Annual Soil Sample - F5 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/16/2025 11:10
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Organics by GC											
SW-8082	PCBs, Total	A	<7.35	U	ug/kg dry	10	0.209	7.35	BIA2708	01/29/2025 09:56	SHU
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*145%*	*S*	*60-140*					*01/29/2025 09:56*	
SW-8082	*Surrogate: Decachlorobiphenyl-surr*		*90.7%*		*60-140*					*01/29/2025 09:56*	
Metals, Total											
SW-6010C	Arsenic	A	3.29		mg/kg dry	1	0.422	1.92	BIA2783	01/30/2025 11:53	JBM
SW-6010C	Cadmium	A	<0.192	U	mg/kg dry	1	0.0500	0.192	BIA2783	01/30/2025 11:53	JBM
SW-6010C	Chromium	A	10.7		mg/kg dry	1	0.722	0.965	BIA2783	01/30/2025 11:53	TBB
SW-6010C	Copper	A	62.4		mg/kg dry	1	0.206	1.92	BIA2783	01/30/2025 11:53	JBM
SW-7471B	Mercury	A	0.141		mg/kg dry	1	0.00614	0.0123	BIA3430	01/29/2025 13:39	KSI
SW-6010C	Lead	A	8.16		mg/kg dry	1	0.491	0.965	BIA2783	01/30/2025 11:53	JBM
SW-6010C	Molybdenum	A	<0.965	U	mg/kg dry	1	0.965	0.965	BIA2783	01/30/2025 11:53	JBM
SW-6010C	Nickel	A	3.31		mg/kg dry	1	0.260	0.965	BIA2783	01/30/2025 11:53	JBM
SW-6010C	Zinc	A	364		mg/kg dry	10	9.65	9.65	BIA2783	01/30/2025 16:14	JBM
General Chemistry											
SW-9045C	pH	A	6.61	H	pH Units @ 25 °C	1		0.0999	BIA2668	01/22/2025 14:29	FPN
SM 2540 G	% Solids	A	81.3		%	1	0.100	0.100	BIA2452	01/21/2025 11:22	JRU
TCLP											
SW-6010C	Arsenic	A	<5.00	U	mg/L	1	0.00367	5.00	BIA3099	01/31/2025 14:34	AKR
SW-6010C	Barium	A	<100	U	mg/L	1	0.00125	100	BIA3099	01/31/2025 14:34	AKR
SW-6010C	Cadmium	A	<1.00	U	mg/L	1	0.000423	1.00	BIA3099	01/31/2025 14:34	AKR
SW-6010C	Chromium	A	<5.00	U	mg/L	1	0.00131	5.00	BIA3099	01/31/2025 14:34	AKR
SW-8151	2,4-D	A	<10.0	U	mg/L	2	0.000474	10.0	BIA3123	01/28/2025 23:32	KRB
SW-8151	Silvex (2,4,5-TP)	A	<1.00	U	mg/L	2	0.000474	1.00	BIA3123	01/28/2025 23:32	KRB
SW-8151	*Surrogate: DCAA-surr*		*115%*		*70-130*					*01/28/2025 23:32*	
SW-7471B	Mercury	A	<0.200	U	mg/L	1	0.000127	0.200	BIA3431	01/29/2025 15:13	KSI
SW-6010C	Lead	A	<5.00	U	mg/L	1	0.00341	5.00	BIA3099	02/01/2025 16:44	JBM
SW-8081	Chlordane (Total)	A	<0.0300	U	mg/L	1	2.99E-6	0.0300	BIA3179	01/30/2025 06:48	KRB
SW-8081	Endrin	N	<0.0200	U	mg/L	1	2.99E-6	0.0200	BIA3179	01/30/2025 06:48	KRB
SW-8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	A	<0.400	U	mg/L	1	2.99E-6	0.400	BIA3179	01/30/2025 06:48	KRB
SW-8081	Heptachlor	A	<0.00800	U	mg/L	1	2.99E-6	0.00800	BIA3179	01/30/2025 06:48	KRB
SW-8081	Heptachlor epoxide	A	<0.00800	U	mg/L	1	2.99E-6	0.00800	BIA3179	01/30/2025 06:48	KRB
SW-8081	Methoxychlor	A	<10.0	U	mg/L	1	2.99E-6	10.0	BIA3179	01/30/2025 06:48	KRB
SW-8081	Toxaphene (Chlorinated Camphene)	A	<0.500	U	mg/L	1	2.99E-6	0.500	BIA3179	01/30/2025 06:48	KRB
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*92.4%*		*60-140*					*01/30/2025 06:48*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Sample Results
(Continued)

Client Sample ID: 0 - 6 inch Composite (Continued)
Lab Sample ID: 25A3543-01
Permit 4518 - Annual Soil Sample - F5 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/16/2025 11:10
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8081	*Surrogate: Decachlorobiphenyl-surr*		*86.0%*		*60-140*					*01/30/2025 06:48*	
SW-6010C	Selenium	A	<1.00	U	mg/L	1	0.00531	1.00	BIA3099	01/31/2025 14:34	AKR
SW-6010C	Silver	A	<5.00	U	mg/L	1	0.00142	5.00	BIA3099	02/10/2025 10:39	JKC
SW-8270	2,4,5-Trichlorophenol	A	<400	U	mg/L	1	0.00249	400	BIA3146	01/28/2025 06:13	KRB
SW-8270	2,4,6-Trichlorophenol	A	<2.00	U	mg/L	1	0.00249	2.00	BIA3146	01/28/2025 06:13	KRB
SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	U	mg/L	1	0.00249	0.130	BIA3146	01/28/2025 06:13	KRB
SW-8270	2-Methylphenol (o-Cresol)	A	<200	U	mg/L	1	0.00249	200	BIA3146	01/28/2025 06:13	KRB
SW-8270	3,4-Methylphenol	A	<200	U	mg/L	1	0.00249	200	BIA3146	01/28/2025 06:13	KRB
SW-8270	Hexachlorobenzene	A	<0.130	U	mg/L	1	0.00249	0.130	BIA3146	01/28/2025 06:13	KRB
SW-8270	Hexachlorobutadiene	A	<0.500	U	mg/L	1	0.00249	0.500	BIA3146	01/28/2025 06:13	KRB
SW-8270	Hexachloroethane	A	<3.00	U	mg/L	1	0.00249	3.00	BIA3146	01/28/2025 06:13	KRB
SW-8270	Nitrobenzene	A	<2.00	U	mg/L	1	0.00249	2.00	BIA3146	01/28/2025 06:13	KRB
SW-8270	Pentachlorophenol	A	<100	U	mg/L	1	0.00249	100	BIA3146	01/28/2025 06:13	KRB
SW-8270	Pyridine	A	<5.00	U	mg/L	1	0.00249	5.00	BIA3146	01/28/2025 06:13	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*		*89.0%*		*54.6-148*					*01/28/2025 06:13*	
SW-8270	*Surrogate: 2-Fluorophenol-surr*		*101%*		*55-152*					*01/28/2025 06:13*	
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*		*97.3%*		*52.4-136*					*01/28/2025 06:13*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr*		*112%*		*52-162*					*01/28/2025 06:13*	
SW-8270	*Surrogate: Phenol-d5-surr*		*89.3%*		*58.7-152*					*01/28/2025 06:13*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr*		*67.9%*		*51.9-147*					*01/28/2025 06:13*	
SW-8260	1,1-Dichloroethylene	A	<0.700	U	mg/L	10	0.00849	0.700	BIA2803	01/23/2025 18:41	DDB
SW-8260	1,2-Dichloroethane (Ethylene dichloride)	A	<0.500	U	mg/L	10	0.00870	0.500	BIA2803	01/23/2025 18:41	DDB
SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<7.50	U	mg/L	10	0.00641	7.50	BIA2803	01/23/2025 18:41	DDB
SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	A	<200	U	mg/L	10	0.0738	200	BIA2803	01/23/2025 18:41	DDB
SW-8260	Benzene	A	<0.500	U	mg/L	10	0.00604	0.500	BIA2803	01/23/2025 18:41	DDB
SW-8260	Carbon tetrachloride	A	<0.500	U	mg/L	10	0.00500	0.500	BIA2803	01/23/2025 18:41	DDB
SW-8260	Chlorobenzene	A	<100	U	mg/L	10	0.00724	100	BIA2803	01/23/2025 18:41	DDB
SW-8260	Chloroform	A	<6.00	U	mg/L	10	0.00688	6.00	BIA2803	01/23/2025 18:41	DDB
SW-8260	Tetrachloroethylene (Perchloroethylene)	A	<0.700	U	mg/L	10	0.00703	0.700	BIA2803	01/23/2025 18:41	DDB
SW-8260	Trichloroethene (Trichloroethylene)	A	<0.500	U	mg/L	10	0.00744	0.500	BIA2803	01/23/2025 18:41	DDB
SW-8260	Vinyl chloride (Chloroethene)	A	<0.200	U	mg/L	10	0.0130	0.200	BIA2803	01/23/2025 18:41	DDB
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*		*117%*		*70-130*					*01/23/2025 18:41*	
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*		*105%*		*70-130*					*01/23/2025 18:41*	
SW-8260	*Surrogate: Toluene-d8-surr*		*88.1%*		*70-130*					*01/23/2025 18:41*	
SW-8260	*Surrogate: Dibromofluoromethane-surr*		*127%*		*70-130*					*01/23/2025 18:41*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Sample Results
(Continued)

Client Sample ID: 6 - 24 inch Composite
Lab Sample ID: 25A3543-02
Permit 4518 - Annual Soil Sample - F5 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/16/2025 11:10
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Organics by GC											
SW-8082	PCBs, Total	A	<6.91	U	ug/kg dry	10	0.197	6.91	BIA2708	01/29/2025 10:22	SHU
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*86.1%*		*60-140*					*01/29/2025 10:22*	
SW-8082	*Surrogate: Decachlorobiphenyl-surr*		*74.2%*		*60-140*					*01/29/2025 10:22*	
Metals, Total											
SW-6010C	Arsenic	A	2.06		mg/kg dry	1	0.429	1.96	BIA2783	01/30/2025 11:56	JBM
SW-6010C	Cadmium	A	<0.196	U	mg/kg dry	1	0.0508	0.196	BIA2783	01/30/2025 11:56	JBM
SW-6010C	Chromium	A	8.77		mg/kg dry	1	0.734	0.981	BIA2783	01/30/2025 11:56	TBB
SW-6010C	Copper	A	8.62		mg/kg dry	1	0.209	1.96	BIA2783	01/30/2025 11:56	JBM
SW-7471B	Mercury	A	0.0122		mg/kg dry	1	0.00577	0.0115	BIA3430	01/29/2025 13:42	KSI
SW-6010C	Lead	A	5.31		mg/kg dry	1	0.499	0.981	BIA2783	01/30/2025 11:56	JBM
SW-6010C	Molybdenum	A	<0.981	U	mg/kg dry	1	0.981	0.981	BIA2783	01/30/2025 11:56	JBM
SW-6010C	Nickel	A	1.46		mg/kg dry	1	0.264	0.981	BIA2783	01/30/2025 11:56	JBM
SW-6010C	Zinc	A	15.7		mg/kg dry	1	0.981	0.981	BIA2783	02/11/2025 08:47	TBB
General Chemistry											
SW-9045C	pH	A	7.58	H	pH Units @ 25 °C	1		0.100	BIA2668	01/22/2025 14:29	FPN
SM 2540 G	% Solids	A	86.4		%	1	0.100	0.100	BIA2453	01/21/2025 11:28	JRU
TCLP											
SW-6010C	Arsenic	A	<5.00	U	mg/L	1	0.00367	5.00	BIA3099	01/31/2025 15:05	AKR
SW-6010C	Barium	A	<100	U	mg/L	1	0.00125	100	BIA3099	01/31/2025 15:05	AKR
SW-6010C	Cadmium	A	<1.00	U	mg/L	1	0.000423	1.00	BIA3099	01/31/2025 15:05	AKR
SW-6010C	Chromium	A	<5.00	U	mg/L	1	0.00131	5.00	BIA3099	01/31/2025 15:05	AKR
SW-8151	2,4-D	A	<10.0	U	mg/L	2	0.000476	10.0	BIA3123	01/28/2025 23:54	KRB
SW-8151	Silvex (2,4,5-TP)	A	<1.00	U	mg/L	2	0.000476	1.00	BIA3123	01/28/2025 23:54	KRB
SW-8151	*Surrogate: DCAA-surr*		*114%*		*70-130*					*01/28/2025 23:54*	
SW-7471B	Mercury	A	<0.200	U	mg/L	1	0.000127	0.200	BIA3431	01/29/2025 15:16	KSI
SW-6010C	Lead	A	<5.00	U	mg/L	1	0.00341	5.00	BIA3099	02/01/2025 16:47	JBM
SW-8081	Chlordane (Total)	A	<0.0300	U	mg/L	1	2.99E-6	0.0300	BIA3179	01/30/2025 07:11	KRB
SW-8081	Endrin	N	<0.0200	U	mg/L	1	2.99E-6	0.0200	BIA3179	01/30/2025 07:11	KRB
SW-8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	A	<0.400	U	mg/L	1	2.99E-6	0.400	BIA3179	01/30/2025 07:11	KRB
SW-8081	Heptachlor	A	<0.00800	U	mg/L	1	2.99E-6	0.00800	BIA3179	01/30/2025 07:11	KRB
SW-8081	Heptachlor epoxide	A	<0.00800	U	mg/L	1	2.99E-6	0.00800	BIA3179	01/30/2025 07:11	KRB
SW-8081	Methoxychlor	A	<10.0	U	mg/L	1	2.99E-6	10.0	BIA3179	01/30/2025 07:11	KRB
SW-8081	Toxaphene (Chlorinated Camphene)	A	<0.500	U	mg/L	1	2.99E-6	0.500	BIA3179	01/30/2025 07:11	KRB
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*74.6%*		*60-140*					*01/30/2025 07:11*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Sample Results
(Continued)

Client Sample ID: 6 - 24 inch Composite (Continued)
Lab Sample ID: 25A3543-02
Permit 4518 - Annual Soil Sample - F5 - Composited [none]

Sample Matrix: Sludge
Date Collected: 01/16/2025 11:10
Collected by: Kendall Smith

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8081	*Surrogate: Decachlorobiphenyl-surr*		*85.3%*		*60-140*					*01/30/2025 07:11*	
SW-6010C	Selenium	A	<1.00	U	mg/L	1	0.00531	1.00	BIA3099	01/31/2025 15:05	AKR
SW-6010C	Silver	A	<5.00	U	mg/L	1	0.00142	5.00	BIA3099	02/10/2025 10:41	JKC
SW-8270	2,4,5-Trichlorophenol	A	<400	U	mg/L	1	0.00249	400	BIA3146	01/28/2025 06:48	KRB
SW-8270	2,4,6-Trichlorophenol	A	<2.00	U	mg/L	1	0.00249	2.00	BIA3146	01/28/2025 06:48	KRB
SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	U	mg/L	1	0.00249	0.130	BIA3146	01/28/2025 06:48	KRB
SW-8270	2-Methylphenol (o-Cresol)	A	<200	U	mg/L	1	0.00249	200	BIA3146	01/28/2025 06:48	KRB
SW-8270	3,4-Methylphenol	A	<200	U	mg/L	1	0.00249	200	BIA3146	01/28/2025 06:48	KRB
SW-8270	Hexachlorobenzene	A	<0.130	U	mg/L	1	0.00249	0.130	BIA3146	01/28/2025 06:48	KRB
SW-8270	Hexachlorobutadiene	A	<0.500	U	mg/L	1	0.00249	0.500	BIA3146	01/28/2025 06:48	KRB
SW-8270	Hexachloroethane	A	<3.00	U	mg/L	1	0.00249	3.00	BIA3146	01/28/2025 06:48	KRB
SW-8270	Nitrobenzene	A	<2.00	U	mg/L	1	0.00249	2.00	BIA3146	01/28/2025 06:48	KRB
SW-8270	Pentachlorophenol	A	<100	U	mg/L	1	0.00249	100	BIA3146	01/28/2025 06:48	KRB
SW-8270	Pyridine	A	<5.00	U	mg/L	1	0.00249	5.00	BIA3146	01/28/2025 06:48	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*		*86.3%*		*54.6-148*					*01/28/2025 06:48*	
SW-8270	*Surrogate: 2-Fluorophenol-surr*		*103%*		*55-152*					*01/28/2025 06:48*	
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*		*93.6%*		*52.4-136*					*01/28/2025 06:48*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr*		*122%*		*52-162*					*01/28/2025 06:48*	
SW-8270	*Surrogate: Phenol-d5-surr*		*95.6%*		*58.7-152*					*01/28/2025 06:48*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr*		*61.6%*		*51.9-147*					*01/28/2025 06:48*	
SW-8260	1,1-Dichloroethylene	A	<0.700	U	mg/L	10	0.00849	0.700	BIA2803	01/23/2025 18:57	DDB
SW-8260	1,2-Dichloroethane (Ethylene dichloride)	A	<0.500	U	mg/L	10	0.00870	0.500	BIA2803	01/23/2025 18:57	DDB
SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<7.50	U	mg/L	10	0.00641	7.50	BIA2803	01/23/2025 18:57	DDB
SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	A	<200	U	mg/L	10	0.0738	200	BIA2803	01/23/2025 18:57	DDB
SW-8260	Benzene	A	<0.500	U	mg/L	10	0.00604	0.500	BIA2803	01/23/2025 18:57	DDB
SW-8260	Carbon tetrachloride	A	<0.500	U	mg/L	10	0.00500	0.500	BIA2803	01/23/2025 18:57	DDB
SW-8260	Chlorobenzene	A	<100	U	mg/L	10	0.00724	100	BIA2803	01/23/2025 18:57	DDB
SW-8260	Chloroform	A	<6.00	U	mg/L	10	0.00688	6.00	BIA2803	01/23/2025 18:57	DDB
SW-8260	Tetrachloroethylene (Perchloroethylene)	A	<0.700	U	mg/L	10	0.00703	0.700	BIA2803	01/23/2025 18:57	DDB
SW-8260	Trichloroethene (Trichloroethylene)	A	<0.500	U	mg/L	10	0.00744	0.500	BIA2803	01/23/2025 18:57	DDB
SW-8260	Vinyl chloride (Chloroethene)	A	<0.200	U	mg/L	10	0.0130	0.200	BIA2803	01/23/2025 18:57	DDB
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*		*107%*		*70-130*					*01/23/2025 18:57*	
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*		*105%*		*70-130*					*01/23/2025 18:57*	
SW-8260	*Surrogate: Toluene-d8-surr*		*117%*		*70-130*					*01/23/2025 18:57*	
SW-8260	*Surrogate: Dibromofluoromethane-surr*		*107%*		*70-130*					*01/23/2025 18:57*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2708 - SW-3570										
Blank (BIA2708-BLK1)				Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	<5.98	U	5.98	ug/kg wet						
Aroclor-1221 (PCB-1221)	<5.98	U	5.98	ug/kg wet						
Aroclor-1232 (PCB-1232)	<5.98	U	5.98	ug/kg wet						
Aroclor-1242 (PCB-1242)	<5.98	U	5.98	ug/kg wet						
Aroclor-1248 (PCB-1248)	<5.98	U	5.98	ug/kg wet						
Aroclor-1254 (PCB-1254)	<5.98	U	5.98	ug/kg wet						
Aroclor-1260 (PCB-1260)	<5.98	U	5.98	ug/kg wet						
Aroclor-1262 (PCB-1262)	<5.98	U	5.98	ug/kg wet						
Aroclor-1268 (PCB-1268)	<5.98	U	5.98	ug/kg wet						
PCBs, Total	<5.98	U	5.98	ug/kg wet						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*4.56*	*ug/kg wet*	*5.98*		*76.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.13*	*ug/kg wet*	*5.98*		*85.8*	*60-140*		
LCS (BIA2708-BS1)				Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	54.2		5.96	ug/kg wet	59.6		90.9	60-140		
Aroclor-1260 (PCB-1260)	53.4		5.96	ug/kg wet	59.6		89.6	60-140		
PCBs, Total	53.8		5.96	ug/kg wet	59.6		90.3	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*2.15*	*ug/kg wet*	*5.96*		*36.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*4.47*	*ug/kg wet*	*5.96*		*74.9*	*60-140*		
LCS Dup (BIA2708-BSD1)				Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	61.7		5.96	ug/kg wet	59.6		104	60-140	12.9	40
Aroclor-1260 (PCB-1260)	60.2		5.96	ug/kg wet	59.6		101	60-140	12.0	40
PCBs, Total	61.0		5.96	ug/kg wet	59.6		102	60-140	12.4	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*2.24*	*ug/kg wet*	*5.96*		*37.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.02*	*ug/kg wet*	*5.96*		*84.3*	*60-140*		
Matrix Spike (BIA2708-MS1)	**Source: 25A3389-01**			Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	77.1		7.04	ug/kg dry	70.4	<7.04	109	60-140		
Aroclor-1260 (PCB-1260)	73.3		7.04	ug/kg dry	70.4	4.25	98.0	60-140		
PCBs, Total	75.2		7.04	ug/kg dry	70.4	4.25	101	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*8.19*	*ug/kg dry*	*7.04*		*116*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*6.09*	*ug/kg dry*	*7.04*		*86.5*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2708 - SW-3570 (Continued)										
Matrix Spike Dup (BIA2708-MSD1)	**Source: 25A3389-01**			Prepared: 01/23/2025 Analyzed: 01/29/2025						
Aroclor-1016 (PCB-1016)	70.5		7.01	ug/kg dry	70.1	<7.01	101	60-140	8.84	40
Aroclor-1260 (PCB-1260)	66.5		7.01	ug/kg dry	70.1	4.25	88.9	60-140	9.67	40
PCBs, Total	68.5		7.01	ug/kg dry	70.1	4.25	91.7	60-140	9.24	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.67*	*ug/kg dry*	*7.01*		*109*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.65*	*ug/kg dry*	*7.01*		*80.6*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010										
Blank (BIA2783-BLK1)				Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	<0.0333	U	0.0333	mg/kg wet						
Cadmium	<0.00333	U	0.00333	mg/kg wet						
Chromium	<0.0167	U	0.0167	mg/kg wet						
Copper	<0.0333	U	0.0333	mg/kg wet						
Lead	<0.0167	U	0.0167	mg/kg wet						
Molybdenum	<0.0167	U	0.0167	mg/kg wet						
Nickel	<0.0167	U	0.0167	mg/kg wet						
Blank (BIA2783-BLK2)				Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	<0.0167	U	0.0167	mg/kg wet						
LCS (BIA2783-BS1)				Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	0.801		0.0333	mg/kg wet	0.833		96.1	80-120		
Cadmium	0.0792		0.00333	mg/kg wet	0.0833		95.1	80-120		
Chromium	0.407		0.0167	mg/kg wet	0.417		97.6	80-120		
Copper	0.802		0.0333	mg/kg wet	0.833		96.2	80-120		
Lead	0.423		0.0167	mg/kg wet	0.417		101	80-120		
Molybdenum	0.400		0.0167	mg/kg wet	0.417		96.0	80-120		
Nickel	0.406		0.0167	mg/kg wet	0.417		97.3	80-120		
LCS (BIA2783-BS2)				Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	0.422		0.0167	mg/kg wet	0.417		101	80-120		
Matrix Spike (BIA2783-MS1)			**Source: 25A3540-01**	Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	29.7		1.14	mg/kg dry	28.6	3.39	92.1	75-125		
Cadmium	2.79		0.114	mg/kg dry	2.86	<0.114	97.7	75-125		
Chromium	22.2	J1	0.573	mg/kg dry	14.3	19.2	21.2	75-125		
Copper	589		22.9	mg/kg dry	601	32.4	92.6	75-125		
Lead	20.9		0.573	mg/kg dry	14.3	8.69	85.7	75-125		
Molybdenum	13.0		0.573	mg/kg dry	14.3	0.681	86.3	75-125		
Nickel	15.4		0.573	mg/kg dry	14.3	2.72	88.9	75-125		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010 (Continued)										
Matrix Spike (BIA2783-MS2)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	48.7		1.93	mg/kg dry	48.3	1.79	97.1	75-125		
Cadmium	4.80		0.193	mg/kg dry	4.83	0.258	94.0	75-125		
Chromium	33.1		0.968	mg/kg dry	24.1	9.95	95.8	75-125		
Copper	964		38.6	mg/kg dry	1010	11.6	93.9	75-125		
Lead	29.4		0.968	mg/kg dry	24.1	5.75	97.8	75-125		
Molybdenum	22.4		0.968	mg/kg dry	24.1	<0.968	92.6	75-125		
Nickel	24.9		0.968	mg/kg dry	24.1	2.25	93.6	75-125		
Matrix Spike (BIA2783-MS3)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	<28.7	J1, U	28.7	mg/kg dry	586	93.8	NR	75-125		
Matrix Spike (BIA2783-MS4)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	1240		48.4	mg/kg dry	990	<48.4	125	75-125		
Matrix Spike Dup (BIA2783-MSD1)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	30.5		1.18	mg/kg dry	29.7	3.39	91.4	75-125	2.47	20
Cadmium	2.90		0.118	mg/kg dry	2.97	<0.118	97.7	75-125	3.68	20
Chromium	23.2	J1	0.594	mg/kg dry	14.8	19.2	27.3	75-125	4.50	20
Copper	618		23.7	mg/kg dry	623	32.4	94.1	75-125	4.93	20
Lead	22.3		0.594	mg/kg dry	14.8	8.69	91.8	75-125	6.26	20
Molybdenum	13.4		0.594	mg/kg dry	14.8	0.681	85.7	75-125	2.81	20
Nickel	16.9		0.594	mg/kg dry	14.8	2.72	95.5	75-125	9.00	20
Matrix Spike Dup (BIA2783-MSD2)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	50.3		1.95	mg/kg dry	48.7	1.79	99.7	75-125	3.37	20
Cadmium	4.78		0.195	mg/kg dry	4.87	0.258	92.7	75-125	0.469	20
Chromium	35.9		0.976	mg/kg dry	24.4	9.95	107	75-125	8.24	20
Copper	955		38.9	mg/kg dry	1020	11.6	92.2	75-125	0.941	20
Lead	30.6		0.976	mg/kg dry	24.4	5.75	102	75-125	4.12	20
Molybdenum	22.3		0.976	mg/kg dry	24.4	<0.976	91.5	75-125	0.335	20
Nickel	26.5		0.976	mg/kg dry	24.4	2.25	99.7	75-125	6.52	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010 (Continued)										
Matrix Spike Dup (BIA2783-MSD3)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	690		29.7	mg/kg dry	608	93.8	98.2	75-125	200	20
Matrix Spike Dup (BIA2783-MSD4)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	1020		48.8	mg/kg dry	999	<48.8	102	75-125	19.4	20
Post Spike (BIA2783-PS1)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	415	J1		ug/L	500	56.5	71.8	80-120		
Cadmium	34.6	J1		ug/L	50.0	0.435	68.4	80-120		
Chromium	554			ug/L	250	320	93.6	80-120		
Copper	924	J1		ug/L	500	541	76.7	80-120		
Lead	328	J1		ug/L	250	145	73.2	80-120		
Molybdenum	154	J1		ug/L	250	11.4	57.1	80-120		
Nickel	225	J1		ug/L	250	45.3	71.8	80-120		
Post Spike (BIA2783-PS2)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	516			ug/L	500	17.5	99.7	80-120		
Cadmium	50.9			ug/L	50.0	2.51	96.8	80-120		
Chromium	347			ug/L	250	97.0	100	80-120		
Copper	610			ug/L	500	113	99.4	80-120		
Lead	312			ug/L	250	56.0	103	80-120		
Molybdenum	192	J1		ug/L	250	2.13	75.8	80-120		
Nickel	270			ug/L	250	21.9	99.0	80-120		
Post Spike (BIA2783-PS3)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	1980	J1		ug/L	250	1560	166	80-120		
Post Spike (BIA2783-PS4)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	441			ug/L	250	222	87.6	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010 (Continued)										
Dilution Check (BIA2783-SRL1)			**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	3.52	U	5.67	mg/kg dry		3.39			3.69	10
Cadmium	<0.567	U	0.567	mg/kg dry		<0.567				10
Chromium	19.5		2.84	mg/kg dry		19.2			1.79	10
Copper	31.9		5.67	mg/kg dry		32.4			1.60	10
Lead	8.59		2.84	mg/kg dry		8.69			1.14	10
Molybdenum	<2.84	U	2.84	mg/kg dry		<2.84			200	10
Nickel	2.42	U	2.84	mg/kg dry		2.72			11.5	10
Dilution Check (BIA2783-SRL2)			**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	3.65	U	9.68	mg/kg dry		<9.68			68.2	10
Cadmium	0.373	U	0.968	mg/kg dry		0.258			36.7	10
Chromium	9.99		4.86	mg/kg dry		9.95			0.399	10
Copper	12.3		9.68	mg/kg dry		11.6			5.74	10
Lead	4.62	U	4.86	mg/kg dry		5.75			21.6	10
Molybdenum	<4.86	U	4.86	mg/kg dry		<4.86				10
Nickel	1.70	U	4.86	mg/kg dry		2.25			27.9	10
Dilution Check (BIA2783-SRL3)			**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	97.6		2.84	mg/kg dry		93.8			3.88	10
Dilution Check (BIA2783-SRL4)			**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	23.9		4.86	mg/kg dry		22.8			4.66	10
Batch: BIA3430 - SW-7471										
MDL Check (BIA3430-MRL1)					Prepared & Analyzed: 01/29/2025					
Mercury	0.00177	U	0.0197	mg/kg wet	0.00985		18.0			

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3430 - SW-7471 (Continued)										
Matrix Spike (BIA3430-MS1)		**Source: 25A2597-08**			Prepared & Analyzed: 01/29/2025					
Mercury	0.0621		0.0303	mg/kg dry		0.0494		80-120		
Matrix Spike Dup (BIA3430-MSD1)		**Source: 25A2597-08**			Prepared & Analyzed: 01/29/2025					
Mercury	0.0667		0.0302	mg/kg dry		0.0494		80-120	7.20	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2452 - Percent Solids										
Blank (BIA2452-BLK1)					Prepared: 01/20/2025 Analyzed: 01/21/2025					
% Solids	<0.100	U	0.100	%						
Duplicate (BIA2452-DUP1)		**Source: 25A3423-01**			Prepared: 01/20/2025 Analyzed: 01/21/2025					
% Solids	81.0		0.100	%		80.6			0.467	10
Duplicate (BIA2452-DUP2)		**Source: 25A3983-05**			Prepared: 01/20/2025 Analyzed: 01/21/2025					
% Solids	1.91		0.100	%		1.89			0.878	20
Reference (BIA2452-SRM1)					Prepared: 01/20/2025 Analyzed: 01/21/2025					
% Solids	0.350		0.100	%	0.338		104	86.1-114		
Batch: BIA2453 - Percent Solids										
Blank (BIA2453-BLK1)					Prepared: 01/20/2025 Analyzed: 01/21/2025					
% Solids	<0.100	U	0.100	%						
Duplicate (BIA2453-DUP1)		**Source: 25A3412-01**			Prepared: 01/20/2025 Analyzed: 01/21/2025					
% Solids	86.5		0.100	%		85.5			1.13	10
Duplicate (BIA2453-DUP2)		**Source: 25A3848-06**			Prepared: 01/20/2025 Analyzed: 01/21/2025					
% Solids	1.79		0.100	%		1.78			0.548	20
Reference (BIA2453-SRM1)					Prepared: 01/20/2025 Analyzed: 01/21/2025					
% Solids	0.350		0.100	%	0.338		104	86.1-114		
Batch: BIA2668 - pH										
LCS (BIA2668-BS1)					Prepared & Analyzed: 01/22/2025					
pH	6.86			pH Units @ 25 °C	6.86		100	98.6-101.4		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2668 - pH (Continued)										
Duplicate (BIA2668-DUP1)		**Source: 25A3543-01**			Prepared & Analyzed: 01/22/2025					
pH	6.59		0.100	pH Units @ 25 °C		6.61			0.303	200

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

TCLP

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2803 - SW-5030										
Blank (BIA2803-BLK1)					Prepared & Analyzed: 01/23/2025					
1,1-Dichloroethylene	<0.00300	U	0.00300	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.00300	U	0.00300	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<0.00200	U	0.00200	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<0.0220	U	0.0220	mg/L						
Benzene	<0.00200	U	0.00200	mg/L						
Carbon tetrachloride	<0.00100	U	0.00100	mg/L						
Chlorobenzene	<0.00200	U	0.00200	mg/L						
Chloroform	<0.00200	U	0.00200	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.00200	U	0.00200	mg/L						
Trichloroethene (Trichloroethylene)	<0.00200	U	0.00200	mg/L						
Vinyl chloride (Chloroethene)	<0.00400	U	0.00400	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*50.2*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*52.7*	*ug/L*	*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8-surr			*51.1*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*53.1*	*ug/L*	*50.0*		*106*	*70-130*		
LCS (BIA2803-BS1)					Prepared & Analyzed: 01/23/2025					
1,1-Dichloroethylene	0.0376	U	0.700	mg/L	0.0400		93.9	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0394	U	0.500	mg/L	0.0400		98.5	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0405	U	7.50	mg/L	0.0400		101	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.387	U	200	mg/L	0.400		96.8	70-130		
Benzene	0.0381	U	0.500	mg/L	0.0400		95.3	70-130		
Carbon tetrachloride	0.0383	U	0.500	mg/L	0.0400		95.8	70-130		
Chlorobenzene	0.0390	U	100	mg/L	0.0400		97.5	70-130		
Chloroform	0.0383	U	6.00	mg/L	0.0400		95.7	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0370	U	0.700	mg/L	0.0400		92.5	70-130		
Trichloroethene (Trichloroethylene)	0.0400	U	0.500	mg/L	0.0400		100	70-130		
Vinyl chloride (Chloroethene)	0.0370	U	0.200	mg/L	0.0400		92.4	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*50.1*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*49.4*	*ug/L*	*50.0*		*98.7*	*70-130*		
Surrogate: Toluene-d8-surr			*52.5*	*ug/L*	*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*48.2*	*ug/L*	*50.0*		*96.3*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2803 - SW-5030 (Continued)										
LCS Dup (BIA2803-BSD1)					Prepared & Analyzed: 01/23/2025					
1,1-Dichloroethylene	0.0385	U	0.700	mg/L	0.0400		96.2	70-130	2.44	30
1,2-Dichloroethane (Ethylene dichloride)	0.0399	U	0.500	mg/L	0.0400		99.8	70-130	1.39	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0391	U	7.50	mg/L	0.0400		97.8	70-130	3.37	30
2-Butanone (Methyl ethyl ketone, MEK)	0.402	U	200	mg/L	0.400		101	70-130	3.82	30
Benzene	0.0393	U	0.500	mg/L	0.0400		98.3	70-130	3.11	30
Carbon tetrachloride	0.0397	U	0.500	mg/L	0.0400		99.3	70-130	3.63	30
Chlorobenzene	0.0397	U	100	mg/L	0.0400		99.3	70-130	1.78	30
Chloroform	0.0384	U	6.00	mg/L	0.0400		95.9	70-130	0.263	30
Tetrachloroethylene (Perchloroethylene)	0.0357	U	0.700	mg/L	0.0400		89.3	70-130	3.59	30
Trichloroethene (Trichloroethylene)	0.0379	U	0.500	mg/L	0.0400		94.8	70-130	5.29	30
Vinyl chloride (Chloroethene)	0.0350	U	0.200	mg/L	0.0400		87.5	70-130	5.42	30
Surrogate: 1,2-Dichloroethane-d4-surr			*49.4*	*ug/L*	*50.0*		*98.8*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*49.0*	*ug/L*	*50.0*		*97.9*	*70-130*		
Surrogate: Toluene-d8-surr			*51.6*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*46.9*	*ug/L*	*50.0*		*93.8*	*70-130*		
BIA2591-BLK1 (BIA2803-LBK1)					Prepared & Analyzed: 01/23/2025					
1,1-Dichloroethylene	<0.00300	U	0.00300	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.00300	U	0.00300	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<0.00200	U	0.00200	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<0.0220	U	0.0220	mg/L						
Benzene	<0.00200	U	0.00200	mg/L						
Carbon tetrachloride	<0.00100	U	0.00100	mg/L						
Chlorobenzene	<0.00200	U	0.00200	mg/L						
Chloroform	<0.00200	U	0.00200	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.00200	U	0.00200	mg/L						
Trichloroethene (Trichloroethylene)	<0.00200	U	0.00200	mg/L						
Vinyl chloride (Chloroethene)	<0.00400	U	0.00400	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*54.6*	*ug/L*	*50.0*		*109*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*51.5*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8-surr			*49.8*	*ug/L*	*50.0*		*99.5*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*56.6*	*ug/L*	*50.0*		*113*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2803 - SW-5030 (Continued)										
Matrix Spike (BIA2803-MS1)		**Source: 25A3662-01**			Prepared & Analyzed: 01/23/2025					
1,1-Dichloroethylene	0.0506	U	0.700	mg/L	0.0500	<0.700	101	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0384	U	0.500	mg/L	0.0500	<0.500	76.9	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0405	U	7.50	mg/L	0.0500	<7.50	81.0	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.285	J1, U	200	mg/L	0.500	<200	57.1	70-130		
Benzene	0.0433	U	0.500	mg/L	0.0500	<0.500	86.5	70-130		
Carbon tetrachloride	0.0518	U	0.500	mg/L	0.0500	<0.500	104	70-130		
Chlorobenzene	0.0389	U	100	mg/L	0.0500	<100	77.7	70-130		
Chloroform	0.0384	U	6.00	mg/L	0.0500	<6.00	76.8	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0483	U	0.700	mg/L	0.0500	<0.700	96.7	70-130		
Trichloroethene (Trichloroethylene)	0.0446	U	0.500	mg/L	0.0500	<0.500	89.2	70-130		
Vinyl chloride (Chloroethene)	0.0365	U	0.200	mg/L	0.0500	<0.200	72.9	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*54.3*	*ug/L*	*50.0*		*109*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*52.2*	*ug/L*	*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8-surr			*50.0*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*54.3*	*ug/L*	*50.0*		*109*	*70-130*		
Matrix Spike Dup (BIA2803-MSD1)		**Source: 25A3662-01**			Prepared & Analyzed: 01/23/2025					
1,1-Dichloroethylene	0.0496	U	0.700	mg/L	0.0500	<0.700	99.2	70-130	1.94	30
1,2-Dichloroethane (Ethylene dichloride)	0.0409	U	0.500	mg/L	0.0500	<0.500	81.7	70-130	6.11	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0368	U	7.50	mg/L	0.0500	<7.50	73.6	70-130	9.60	30
2-Butanone (Methyl ethyl ketone, MEK)	0.290	J1, U	200	mg/L	0.500	<200	57.9	70-130	1.49	30
Benzene	0.0439	U	0.500	mg/L	0.0500	<0.500	87.8	70-130	1.48	30
Carbon tetrachloride	0.0506	U	0.500	mg/L	0.0500	<0.500	101	70-130	2.17	30
Chlorobenzene	0.0412	U	100	mg/L	0.0500	<100	82.5	70-130	5.93	30
Chloroform	0.0359	U	6.00	mg/L	0.0500	<6.00	71.7	70-130	6.78	30
Tetrachloroethylene (Perchloroethylene)	0.0473	U	0.700	mg/L	0.0500	<0.700	94.6	70-130	2.18	30
Trichloroethene (Trichloroethylene)	0.0414	U	0.500	mg/L	0.0500	<0.500	82.8	70-130	7.40	30
Vinyl chloride (Chloroethene)	0.0441	U	0.200	mg/L	0.0500	<0.200	88.2	70-130	18.9	30
Surrogate: 1,2-Dichloroethane-d4-surr			*53.0*	*ug/L*	*50.0*		*106*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*49.7*	*ug/L*	*50.0*		*99.4*	*70-130*		
Surrogate: Toluene-d8-surr			*50.2*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*51.5*	*ug/L*	*50.0*		*103*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3099 - EPA 200.2 TCLP										
Blank (BIA3099-BLK1)				Prepared: 01/26/2025 Analyzed: 01/31/2025						
Arsenic	<5.00	U	5.00	mg/L						
Barium	<100	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Chromium	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Blank (BIA3099-BLK2)				Prepared: 01/26/2025 Analyzed: 02/01/2025						
Lead	<5.00	U	5.00	mg/L						
Blank (BIA3099-BLK3)				Prepared: 01/26/2025 Analyzed: 02/10/2025						
Silver	<5.00	U	5.00	mg/L						
LCS (BIA3099-BS1)				Prepared: 01/26/2025 Analyzed: 01/31/2025						
Arsenic	0.530	U	5.00	mg/L	0.500		106	80-120		
Barium	0.541	U	100	mg/L	0.500		108	80-120		
Cadmium	0.0527	U	1.00	mg/L	0.0500		105	80-120		
Chromium	0.262	U	5.00	mg/L	0.250		105	80-120		
Selenium	0.536	U	1.00	mg/L	0.500		107	80-120		
LCS (BIA3099-BS2)				Prepared: 01/26/2025 Analyzed: 02/01/2025						
Lead	0.262	U	5.00	mg/L	0.250		105	80-120		
LCS (BIA3099-BS3)				Prepared: 01/26/2025 Analyzed: 02/10/2025						
Silver	0.0504	U	5.00	mg/L	0.0500		101	80-120		
Duplicate (BIA3099-DUP1)		**Source: 25A3656-01**		Prepared: 01/26/2025 Analyzed: 01/31/2025						
Arsenic	0.0188	U	5.00	mg/L		0.0134			33.5	20
Barium	0.613	U	100	mg/L		0.595			2.98	20
Cadmium	0.00390	U	1.00	mg/L		0.00409			4.76	20
Chromium	0.00297	U	5.00	mg/L		0.00288			3.08	20
Selenium	<1.00	U	1.00	mg/L		<1.00				20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3099 - EPA 200.2 TCLP (Continued)										
Duplicate (BIA3099-DUP2)		**Source: 25A3656-01**		Prepared: 01/26/2025 Analyzed: 02/01/2025						
Lead	<5.00	U	5.00	mg/L		<5.00				20
Duplicate (BIA3099-DUP3)		**Source: 25A3656-01**		Prepared: 01/26/2025 Analyzed: 02/10/2025						
Silver	<5.00	U	5.00	mg/L		<5.00				20
BIA2590-LBK1 (BIA3099-LBK1)				Prepared: 01/26/2025 Analyzed: 01/31/2025						
Arsenic	0.0123	U	5.00	mg/L						
Barium	0.0159	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Chromium	0.00266	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
BIA2590-LBK1 (BIA3099-LBK2)				Prepared: 01/26/2025 Analyzed: 02/01/2025						
Barium	0.0157	U	100	mg/L						
Lead	<5.00	U	5.00	mg/L						
BIA2590-LBK1 (BIA3099-LBK3)				Prepared: 01/26/2025 Analyzed: 02/10/2025						
Silver	<5.00	U	5.00	mg/L						
Matrix Spike (BIA3099-MS1)		**Source: 25A3656-01**		Prepared: 01/26/2025 Analyzed: 01/31/2025						
Arsenic	0.557	U	5.00	mg/L	0.500	0.0134	109	75-125		
Cadmium	0.0576	U	1.00	mg/L	0.0500	0.00409	107	75-125		
Chromium	0.250	U	5.00	mg/L	0.250	0.00288	99.0	75-125		
Selenium	0.555	U	1.00	mg/L	0.500	<1.00	111	75-125		
Matrix Spike (BIA3099-MS2)		**Source: 25A3656-01**		Prepared: 01/26/2025 Analyzed: 02/01/2025						
Barium	1.18	U	100	mg/L	0.500	0.595	116	75-125		
Lead	0.237	U	5.00	mg/L	0.250	<5.00	95.0	75-125		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3099 - EPA 200.2 TCLP (Continued)										
Matrix Spike (BIA3099-MS3)		**Source: 25A3656-01**			Prepared: 01/26/2025 Analyzed: 02/10/2025					
Silver	0.0524	U	5.00	mg/L	0.0500	<5.00	105	75-125		
Post Spike (BIA3099-PS1)		**Source: 25A3656-01**			Prepared: 01/26/2025 Analyzed: 01/31/2025					
Arsenic	553			ug/L	500	13.1	108	80-120		
Cadmium	57.0			ug/L	50.0	3.99	106	80-120		
Chromium	248			ug/L	250	2.81	98.0	80-120		
Selenium	554			ug/L	500	3.87	110	80-120		
Post Spike (BIA3099-PS2)		**Source: 25A3656-01**			Prepared: 01/26/2025 Analyzed: 02/01/2025					
Barium	1130			ug/L	500	581	111	80-120		
Lead	245			ug/L	250	1.23	97.5	80-120		
Post Spike (BIA3099-PS3)		**Source: 25A3656-01**			Prepared: 01/26/2025 Analyzed: 02/10/2025					
Silver	45.0			ug/L	50.0	0.566	88.9	80-120		
Dilution Check (BIA3099-SRL1)		**Source: 25A3656-01**			Prepared: 01/26/2025 Analyzed: 01/31/2025					
Arsenic	<5.00	U	5.00	mg/L		<5.00			200	10
Barium	0.626	U	100	mg/L		0.595			5.00	10
Cadmium	0.00390	U	1.00	mg/L		0.00409			4.76	10
Chromium	<5.00	U	5.00	mg/L		<5.00			200	10
Selenium	<1.00	U	1.00	mg/L		<1.00				10
Dilution Check (BIA3099-SRL2)		**Source: 25A3656-01**			Prepared: 01/26/2025 Analyzed: 02/01/2025					
Lead	<5.00	U	5.00	mg/L		<5.00				10
Dilution Check (BIA3099-SRL3)		**Source: 25A3656-01**			Prepared: 01/26/2025 Analyzed: 02/10/2025					
Silver	<5.00	U	5.00	mg/L		<5.00				10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3123 - SW-3511										
Blank (BIA3123-BLK1)				Prepared: 01/27/2025 Analyzed: 01/28/2025						
2,4-D	<0.000119	U	0.000119	mg/L						
Silvex (2,4,5-TP)	<0.000119	U	0.000119	mg/L						
Surrogate: DCAA-surr			*0.0219*	*mg/L*	*0.0250*		*88*	*70-130*		
LCS (BIA3123-BS1)				Prepared: 01/27/2025 Analyzed: 01/28/2025						
2,4-D	0.00473	U	10.0	mg/L	0.00515		92	70-130		
Silvex (2,4,5-TP)	0.00420	U	1.00	mg/L	0.00500		84	70-130		
Surrogate: DCAA-surr			*0.0281*	*mg/L*	*0.0250*		*112*	*70-130*		
LCS Dup (BIA3123-BSD1)				Prepared: 01/27/2025 Analyzed: 01/28/2025						
2,4-D	0.00483	U	10.0	mg/L	0.00514		94	70-130	2	30
Silvex (2,4,5-TP)	0.00426	U	1.00	mg/L	0.00499		85	70-130	1	30
Surrogate: DCAA-surr			*0.0266*	*mg/L*	*0.0250*		*107*	*70-130*		
BIA2590BLK1 (BIA3123-LBK1)				Prepared: 01/27/2025 Analyzed: 01/29/2025						
2,4-D	<0.000463	U	0.000463	mg/L						
Silvex (2,4,5-TP)	<0.000463	U	0.000463	mg/L						
Surrogate: DCAA-surr			*0.103*	*mg/L*	*0.0974*		*106*	*70-130*		
Matrix Spike (BIA3123-MS1)		**Source: 25A3543-01**		Prepared: 01/27/2025 Analyzed: 01/28/2025						
2,4-D	0.0201	U	10.0	mg/L	0.0203	<10.0	99	70-130		
Silvex (2,4,5-TP)	0.0173	U	1.00	mg/L	0.0197	<1.00	88	70-130		
Surrogate: DCAA-surr			*0.115*	*mg/L*	*0.0987*		*116*	*70-130*		
Matrix Spike Dup (BIA3123-MSD1)		**Source: 25A3543-01**		Prepared: 01/27/2025 Analyzed: 01/28/2025						
2,4-D	0.0189	U	10.0	mg/L	0.0204	<10.0	93	70-130	6	30
Silvex (2,4,5-TP)	0.0165	U	1.00	mg/L	0.0198	<1.00	84	70-130	5	30
Surrogate: DCAA-surr			*0.108*	*mg/L*	*0.0988*		*109*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3146 - SW-3511										
MB SV (BIA3146-BLK1)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
2,4,5-Trichlorophenol	<0.00125	U	0.00125	mg/L						
2,4,6-Trichlorophenol	<0.00125	U	0.00125	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00125	U	0.00125	mg/L						
2-Methylphenol (o-Cresol)	<0.00125	U	0.00125	mg/L						
3,4-Methylphenol	<0.00125	U	0.00125	mg/L						
Hexachlorobenzene	<0.00125	U	0.00125	mg/L						
Hexachlorobutadiene	<0.00125	U	0.00125	mg/L						
Hexachloroethane	<0.00125	U	0.00125	mg/L						
Nitrobenzene	<0.00125	U	0.00125	mg/L						
Pentachlorophenol	<0.00125	U	0.00125	mg/L						
Pyridine	<0.00125	U	0.00125	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.00919*	*mg/L*	*0.00998*		*92.1*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0213*	*mg/L*	*0.0200*		*107*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0210*	*mg/L*	*0.0200*		*105*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0109*	*mg/L*	*0.00998*		*109*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0185*	*mg/L*	*0.0200*		*92.9*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00870*	*mg/L*	*0.00998*		*87.2*	*51.9-147*		
BS SV (BIA3146-BS1)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
2,4,5-Trichlorophenol	0.0214	U	400	mg/L	0.0200		107	60-140		
2,4,6-Trichlorophenol	0.0211	U	2.00	mg/L	0.0200		105	60-140		
2,4-Dinitrotoluene (2,4-DNT)	0.00960	U	0.130	mg/L	0.0100		96.0	60-140		
2-Methylphenol (o-Cresol)	0.0189	U	200	mg/L	0.0200		94.5	60-140		
3,4-Methylphenol	0.0332	U	200	mg/L	0.0400		83.1	60-140		
Hexachlorobenzene	0.00787	U	0.130	mg/L	0.0100		78.7	60-140		
Hexachlorobutadiene	0.00618	U	0.500	mg/L	0.0100		61.8	60-140		
Hexachloroethane	0.00694	U	3.00	mg/L	0.0100		69.4	60-140		
Nitrobenzene	0.00995	U	2.00	mg/L	0.0100		99.5	60-140		
Pentachlorophenol	0.0198	U	100	mg/L	0.0200		98.8	36.8-149		
Pyridine	0.0309	U	5.00	mg/L	0.0500		61.9	2.5-101		
Surrogate: 2-Fluorobiphenyl-surr			*0.00869*	*mg/L*	*0.0100*		*86.9*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0219*	*mg/L*	*0.0200*		*109*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0182*	*mg/L*	*0.0200*		*91.0*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00924*	*mg/L*	*0.0100*		*92.4*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0205*	*mg/L*	*0.0200*		*102*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00842*	*mg/L*	*0.0100*		*84.2*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3146 - SW-3511 (Continued)										
BSD SV (BIA3146-BSD1)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
2,4,5-Trichlorophenol	0.0216	U	400	mg/L	0.0199		108	60-140	0.917	40
2,4,6-Trichlorophenol	0.0224	U	2.00	mg/L	0.0199		112	60-140	6.10	40
2,4-Dinitrotoluene (2,4-DNT)	0.00967	U	0.130	mg/L	0.00997		97.0	60-140	0.735	40
2-Methylphenol (o-Cresol)	0.0192	U	200	mg/L	0.0199		96.4	60-140	1.63	40
3,4-Methylphenol	0.0340	U	200	mg/L	0.0399		85.4	60-140	2.41	40
Hexachlorobenzene	0.00861	U	0.130	mg/L	0.00997		86.3	60-140	8.99	40
Hexachlorobutadiene	0.00642	U	0.500	mg/L	0.00997		64.4	60-140	3.80	40
Hexachloroethane	0.00703	U	3.00	mg/L	0.00997		70.5	60-140	1.38	40
Nitrobenzene	0.0100	U	2.00	mg/L	0.00997		101	60-140	0.856	40
Pentachlorophenol	0.0200	U	100	mg/L	0.0199		100	36.8-149	1.06	40
Pyridine	0.0321	U	5.00	mg/L	0.0499		64.5	2.5-101	3.78	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00898*	*mg/L*	*0.00997*		*90.0*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0219*	*mg/L*	*0.0199*		*110*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0182*	*mg/L*	*0.0199*		*91.2*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00900*	*mg/L*	*0.00997*		*90.3*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0201*	*mg/L*	*0.0199*		*101*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00854*	*mg/L*	*0.00997*		*85.6*	*51.9-147*		
BIA2590-BLK1 (BIA3146-LBK1)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
2,4,5-Trichlorophenol	<0.00498	U	0.00498	mg/L						
2,4,6-Trichlorophenol	<0.00498	U	0.00498	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00498	U	0.00498	mg/L						
2-Methylphenol (o-Cresol)	<0.00498	U	0.00498	mg/L						
3,4-Methylphenol	<0.00498	U	0.00498	mg/L						
Hexachlorobenzene	<0.00498	U	0.00498	mg/L						
Hexachlorobutadiene	<0.00498	U	0.00498	mg/L						
Hexachloroethane	<0.00498	U	0.00498	mg/L						
Nitrobenzene	<0.00498	U	0.00498	mg/L						
Pentachlorophenol	<0.00498	U	0.00498	mg/L						
Pyridine	<0.00498	U	0.00498	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0354*	*mg/L*	*0.0398*		*88.8*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0799*	*mg/L*	*0.0797*		*100*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0775*	*mg/L*	*0.0797*		*97.3*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0408*	*mg/L*	*0.0398*		*103*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0723*	*mg/L*	*0.0797*		*90.7*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0264*	*mg/L*	*0.0398*		*66.3*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3146 - SW-3511 (Continued)										
MRL SV (BIA3146-MRL1)					Prepared: 01/27/2025 Analyzed: 01/28/2025					
2,4,5-Trichlorophenol	0.00110	U	400	mg/L	0.000998		111			
2,4,6-Trichlorophenol	0.00137	U	2.00	mg/L	0.000998		137			
2,4-Dinitrotoluene (2,4-DNT)	0.000668	U	0.130	mg/L	0.000499		134			
2-Methylphenol (o-Cresol)	0.00103	U	200	mg/L	0.000998		103			
3,4-Methylphenol	0.00174	U	200	mg/L	0.00200		87.2			
Hexachlorobenzene	0.000370	U	0.130	mg/L	0.000499		74.1			
Hexachlorobutadiene	0.000320	U	0.500	mg/L	0.000499		64.0			
Hexachloroethane	0.000271	U	3.00	mg/L	0.000499		54.3			
Nitrobenzene	0.000513	U	2.00	mg/L	0.000499		103			
Pentachlorophenol	0.000844	U	100	mg/L	0.000998		84.6			
Pyridine	<5.00	J1, U	5.00	mg/L	0.00250					
Surrogate: 2-Fluorobiphenyl-surr			*0.00936*	*mg/L*	*0.00998*		*93.8*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0218*	*mg/L*	*0.0200*		*109*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0190*	*mg/L*	*0.0200*		*95.3*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00945*	*mg/L*	*0.00998*		*94.7*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0187*	*mg/L*	*0.0200*		*93.9*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00850*	*mg/L*	*0.00998*		*85.1*	*51.9-147*		
25A3662-01 MS (BIA3146-MS1)			**Source: 25A3662-01**		Prepared: 01/27/2025 Analyzed: 01/28/2025					
2,4,5-Trichlorophenol	0.0905	U	400	mg/L	0.0794	<400	114	44.9-171		
2,4,6-Trichlorophenol	0.0814	U	2.00	mg/L	0.0794	<2.00	102	34.7-143		
2,4-Dinitrotoluene (2,4-DNT)	0.0397	U	0.130	mg/L	0.0397	<0.130	99.9	50.3-144		
2-Methylphenol (o-Cresol)	0.0803	U	200	mg/L	0.0794	<200	101	60-140		
3,4-Methylphenol	0.142	U	200	mg/L	0.159	0.00260	87.8	43.4-188		
Hexachlorobenzene	0.0327	U	0.130	mg/L	0.0397	<0.130	82.4	56.1-137		
Hexachlorobutadiene	0.0271	U	0.500	mg/L	0.0397	<0.500	68.3	33.1-110		
Hexachloroethane	0.0315	U	3.00	mg/L	0.0397	<3.00	79.4	36.2-106		
Nitrobenzene	0.0451	U	2.00	mg/L	0.0397	<2.00	113	54.9-156		
Pentachlorophenol	0.0853	U	100	mg/L	0.0794	<100	107	42.2-151		
Pyridine	0.0907	U	5.00	mg/L	0.199	<5.00	45.7	2-87.4		
Surrogate: 2-Fluorobiphenyl-surr			*0.0348*	*mg/L*	*0.0397*		*87.5*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0823*	*mg/L*	*0.0794*		*104*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0749*	*mg/L*	*0.0794*		*94.3*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0399*	*mg/L*	*0.0397*		*101*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0854*	*mg/L*	*0.0794*		*107*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0341*	*mg/L*	*0.0397*		*85.7*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3146 - SW-3511 (Continued)										
25A3662-01 MSD (BIA3146-MSD1)			**Source: 25A3662-01**		Prepared: 01/27/2025 Analyzed: 01/28/2025					
2,4,5-Trichlorophenol	0.0867	U	400	mg/L	0.0789	<400	110	44.9-171	4.24	40
2,4,6-Trichlorophenol	0.0790	U	2.00	mg/L	0.0789	<2.00	100	34.7-143	3.00	40
2,4-Dinitrotoluene (2,4-DNT)	0.0386	U	0.130	mg/L	0.0394	<0.130	97.9	50.3-144	2.71	40
2-Methylphenol (o-Cresol)	0.0775	U	200	mg/L	0.0789	<200	98.3	60-140	3.53	40
3,4-Methylphenol	0.141	U	200	mg/L	0.158	0.00260	87.9	43.4-188	0.542	40
Hexachlorobenzene	0.0319	U	0.130	mg/L	0.0394	<0.130	80.8	56.1-137	2.70	40
Hexachlorobutadiene	0.0257	U	0.500	mg/L	0.0394	<0.500	65.2	33.1-110	5.33	40
Hexachloroethane	0.0301	U	3.00	mg/L	0.0394	<3.00	76.3	36.2-106	4.62	40
Nitrobenzene	0.0453	U	2.00	mg/L	0.0394	<2.00	115	54.9-156	0.467	40
Pentachlorophenol	0.0841	U	100	mg/L	0.0789	<100	107	42.2-151	1.44	40
Pyridine	0.0935	U	5.00	mg/L	0.197	<5.00	47.4	2-87.4	3.01	40
Surrogate: 2-Fluorobiphenyl-surr			*0.0333*	*mg/L*	*0.0394*		*84.5*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0818*	*mg/L*	*0.0789*		*104*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0713*	*mg/L*	*0.0789*		*90.4*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0423*	*mg/L*	*0.0394*		*107*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0834*	*mg/L*	*0.0789*		*106*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0345*	*mg/L*	*0.0394*		*87.4*	*51.9-147*		
Batch: BIA3179 - SW-3511										
Blank (BIA3179-BLK1)					Prepared: 01/27/2025 Analyzed: 01/30/2025					
Chlordane (Total)	<1.20E-6	U	1.20E-6	mg/L						
cis-Chlordane (alpha-Chlordane)	<1.20E-6	U	1.20E-6	mg/L						
Endrin	<1.20E-6	U	1.20E-6	mg/L						
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	<1.20E-6	U	1.20E-6	mg/L						
gamma-Chlordane	<1.20E-6	U	1.20E-6	mg/L						
Heptachlor	<1.20E-6	U	1.20E-6	mg/L						
Heptachlor epoxide	<1.20E-6	U	1.20E-6	mg/L						
Methoxychlor	<1.20E-6	U	1.20E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<1.20E-6	U	1.20E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000101*	*mg/L*	*0.000120*		*84.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000167*	*mg/L*	*0.000120*		*139*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3179 - SW-3511 (Continued)										
LCS TOX (BIA3179-BS1)				Prepared: 01/27/2025 Analyzed: 01/30/2025						
Toxaphene (Chlorinated Camphene)	0.000948	U	0.500	mg/L	0.00120		79.0	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.92E-5*	*mg/L*	*0.000120*		*66.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*8.33E-5*	*mg/L*	*0.000120*		*69.5*	*60-140*		
LCS (BIA3179-BS2)				Prepared: 01/27/2025 Analyzed: 01/30/2025						
Chlordane (Total)	0.000432	U	0.0300	mg/L	0.000476		90.7	60-140		
Endrin	0.000120	U	0.0200	mg/L	0.000119		101	60-140		
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	9.84E-5	U	0.400	mg/L	0.000119		82.7	60-140		
Heptachlor	9.32E-5	U	0.00800	mg/L	0.000119		78.3	60-140		
Heptachlor epoxide	0.000112	U	0.00800	mg/L	0.000119		93.7	60-140		
Methoxychlor	0.000109	U	10.0	mg/L	0.000119		91.3	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*9.52E-5*	*mg/L*	*0.000119*		*80.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000134*	*mg/L*	*0.000119*		*113*	*60-140*		
LCSD TOX (BIA3179-BSD1)				Prepared: 01/27/2025 Analyzed: 01/30/2025						
Toxaphene (Chlorinated Camphene)	0.00108	U	0.500	mg/L	0.00120		90.4	60-140	13.4	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*8.00E-5*	*mg/L*	*0.000120*		*66.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*8.72E-5*	*mg/L*	*0.000120*		*72.7*	*60-140*		
LCS Dup (BIA3179-BSD2)				Prepared: 01/27/2025 Analyzed: 01/30/2025						
Chlordane (Total)	0.000596	U	0.0300	mg/L	0.000479		124	60-140	32.0	40
Endrin	0.000161	U	0.0200	mg/L	0.000120		134	60-140	28.9	40
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	0.000139	U	0.400	mg/L	0.000120		116	60-140	34.1	40
Heptachlor	0.000140	J1, U	0.00800	mg/L	0.000120		117	60-140	40.4	40
Heptachlor epoxide	0.000148	U	0.00800	mg/L	0.000120		124	60-140	28.5	40
Methoxychlor	0.000135	U	10.0	mg/L	0.000120		113	60-140	21.6	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000111*	*mg/L*	*0.000120*		*92.4*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000156*	*mg/L*	*0.000120*		*130*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3179 - SW-3511 (Continued)										
BIA2590-BLK1 (BIA3179-LBK1)				Prepared: 01/27/2025 Analyzed: 01/30/2025						
Chlordane (Total)	<5.89E-6	U	5.89E-6	mg/L						
cis-Chlordane (alpha-Chlordane)	<5.89E-6	U	5.89E-6	mg/L						
Endrin	<5.89E-6	U	5.89E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<5.89E-6	U	5.89E-6	mg/L						
gamma-Chlordane	<5.89E-6	U	5.89E-6	mg/L						
Heptachlor	<5.89E-6	U	5.89E-6	mg/L						
Heptachlor epoxide	<5.89E-6	U	5.89E-6	mg/L						
Methoxychlor	<5.89E-6	U	5.89E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<5.89E-6	U	5.89E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000480*	*mg/L*	*0.000589*		*81.4*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000527*	*mg/L*	*0.000589*		*89.3*	*60-140*		
Matrix Spike (BIA3179-MS1)			**Source: 25A3612-01**	Prepared: 01/27/2025 Analyzed: 01/30/2025						
Chlordane (Total)	0.00221	U	0.0300	mg/L	0.00236	<0.0300	93.8	60-140		
Endrin	0.000622	U	0.0200	mg/L	0.000589	<0.0200	106	60-140		
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000536	U	0.400	mg/L	0.000589	<0.400	91.0	60-140		
Heptachlor	0.000502	U	0.00800	mg/L	0.000589	<0.00800	85.3	60-140		
Heptachlor epoxide	0.000602	U	0.00800	mg/L	0.000589	<0.00800	102	60-140		
Methoxychlor	0.000363	U	10.0	mg/L	0.000589	<10.0	61.7	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000454*	*mg/L*	*0.000589*		*77.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000420*	*mg/L*	*0.000589*		*71.3*	*60-140*		
Matrix Spike Dup (BIA3179-MSD1)			**Source: 25A3612-01**	Prepared: 01/27/2025 Analyzed: 01/30/2025						
Chlordane (Total)	0.00238	U	0.0300	mg/L	0.00237	<0.0300	100	60-140	7.60	40
Endrin	0.000642	U	0.0200	mg/L	0.000593	<0.0200	108	60-140	3.22	40
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000541	U	0.400	mg/L	0.000593	<0.400	91.2	60-140	1.00	40
Heptachlor	0.000531	U	0.00800	mg/L	0.000593	<0.00800	89.6	60-140	5.63	40
Heptachlor epoxide	0.000632	U	0.00800	mg/L	0.000593	<0.00800	107	60-140	4.95	40
Methoxychlor	0.000402	U	10.0	mg/L	0.000593	<10.0	67.8	60-140	10.2	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000435*	*mg/L*	*0.000593*		*73.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000580*	*mg/L*	*0.000593*		*97.7*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA3431 - SW-7471 TCLP										
Duplicate (BIA3431-DUP1)		**Source: 25A3656-01**			Prepared & Analyzed: 01/29/2025					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
MDL Check (BIA3431-MRL1)					Prepared & Analyzed: 01/29/2025					
Mercury	0.000228	U	0.200	mg/L	0.000200		114			
Matrix Spike (BIA3431-MS1)		**Source: 25A3656-01**			Prepared & Analyzed: 01/29/2025					
Mercury	0.00498	U	0.200	mg/L	0.00500	<0.200	99.7	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Sample Condition Checklist

Work Order: 25A3543

Check Points	
No	Custody Seals
No	Containers Intact
No	COC/Labels Agree
No	Received On Ice
No	Appropriate Containers
No	Appropriate Sample Volume
No	Coolers Intact
No	Samples Accepted

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

K3BMI
9458 FM 362
Brookshire, TX 77423

Reported:
02/20/2025 13:29

Term and Qualifier Definitions

Item	Definition
H	The parameter was analyzed outside the method specified holding time.
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
S	The surrogate recovery was outside the established laboratory recovery limit.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A3543

K3BMI Kendall Smith 9458 FM 362 Brookshire, TX 77423 Phone: (281) 375-5778	**Project Name** : Permit 4518 - Annual Soil Sample - SC - Composited **Project Comments:** 9458 FM 362, Brookshire TX 77423, Waller County	Schedule Comments

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
25A3543-01	0 - 6 inch Composite	1-16-25 10:00am	1-16-25 11:10am	S Composite	A HDPE MET 250mL B HDPE MET 250mL C FieldContainer D Glass 250mL w/ Teflon-lined Lid E HDPE 250mL F Glass VOA 40mL G Glass VOA 40mL H Glass VOA 40mL I Glass Wide 1L w/ Teflon-lined Lid J HDPE 250mL K Glass VOA 60mL Protocol A	Arsenic ICP 6010 4°C Arsenic ICP TCLP 4°C Barium ICP TCLP 4°C Cadmium ICP 6010 4°C Cadmium ICP TCLP 4°C Chromium ICP 6010 4°C Chromium ICP TCLP 4°C Copper ICP 6010 4°C Hg-7471 4°C Hg-7471-TCLP 4°C Lead ICP 6010 4°C Lead ICP TCLP 4°C Molybdenum ICP 6010 4°C Nickel ICP 6010 4°C Selenium ICP TCLP 4°C Silver ICP TCLP 4°C Zinc ICP 6010 4°C HERB-TCLP 4°C OCP-8081-TCLP 4°C PCB-8082 4°C SVOA-TCLP 4°C TCLP Bottle 4°C TCLP ZHE 4°C VOA-TCLP 4°C pH-9045 4°C TS-2540 G 4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A3543

K3BMI Kendall Smith 9458 FM 362 Brookshire, TX 77423 Phone: (281) 375-5778	**Project Name** : Permit 4518 - Annual Soil Sample - ~~SC~~ FS - Composited **Project Comments:** 9458 FM 382, Brookshire TX 77423, Waller County

25A3543-02	6 - 24 inch Composite	1-16-25 10:00am	1-16-25 11:10am	S Composite	A HDPE MET 250mL B HDPE MET 250mL C Glass 250mL w/ Teflon-lined Lid D HDPE 250mL E Glass VOA 40mL F Glass VOA 40mL G Glass VOA 40mL H Glass Wide 1L w/ Teflon-lined Lid I HDPE 250mL J Glass VOA 60mL Protocol A	Arsenic ICP 6010 4°C Arsenic ICP TCLP 4°C Barium ICP TCLP 4°C Cadmium ICP 6010 4°C Cadmium ICP TCLP 4°C Chromium ICP 6010 4°C Chromium ICP TCLP 4°C Copper ICP 6010 4°C Hg-7471 4°C Hg-7471-TCLP 4°C Lead ICP 6010 4°C Lead ICP TCLP 4°C Molybdenum ICP 6010 4°C Nickel ICP 6010 4°C Selenium ICP TCLP 4°C Silver ICP TCLP 4°C Zinc ICP 6010 4°C HERB-TCLP 4°C OCP-8081-TCLP 4°C PCB-8082 4°C SVOA-TCLP 4°C TCLP Bottle 4°C TCLP ZHE 4°C VOA-TCLP 4°C pH-9045 4°C TS-2540 G 4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy. Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A3543

K3BMI Kendall Smith 9458 FM 362 Brookshire, TX 77423 Phone: (281) 375-5778	**Project Name** : Permit 4518 - Annual Soil Sample - SC - Composited **Project Comments**: 9458 FM 362, Brookshire TX 77423. Waller County -	**Schedule Comments:**

Field Remarks:		**Preservation:** (Circle and Write ID) H2SO4 HNO3 NaOH Other:			
Sampler (Signature) Billian	Relinquished By: (Signature) Billian	Date/Time 10:11 1-17-25	Received By: (Signature)	Date/Time 1-17-25 1011	
Print Name Kendall Smith	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time	
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 1-17-25 1600	Received for Laboratory By: (Signature) KMC	Date/Time 1600 1-17-25	

Custody Seal: Yes / No — COC Labels Agree: Yes / No — Appropriate Volume: Yes / No — Received on Ice: Yes / No — Temperature: °C

Container Intact: Yes / No — Appropriate Containers: Yes / No — Coolers Intact: Yes / No — Samples Accepted: Yes / No — Thermometer ID:

Bilma PUD

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

January 23, 2025

LABORATORY REPORT

Natalia Espitia
H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Report ID: 20250123152639JKW

RE: Bilma - Non Potable - Class B Annual

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Justin Wood For Aundra Noe
Project Manager

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

H2O Innovation_Spring	Project: Bilma - Non Potable - Class B Annual	
P.O. Box 2718	Project Number: 31	**Reported:**
Spring, TX 77383	Project Manager: Natalia Espitia	01/23/2025 15:26

Sample Results

Client Sample ID: Digester
Lab Sample ID: 25A3467-01

Sample Matrix: Solid
Date Collected: 01/16/2025 14:24
Collected by: Cesar Guevara

Method	Analyte	Result	Q	Units	Batch	Date Analyzed	Analyst
Colilert-18	Fecal coliforms	1310000		MPN/g TS dry	BIA2101	01/17/2025 11:00	JKB
Colilert-18	Fecal coliforms	618000		MPN/g TS dry	BIA2101	01/17/2025 11:00	JKB
Colilert-18	Fecal coliforms	1470000		MPN/g TS dry	BIA2101	01/17/2025 11:00	JKB
Colilert-18	Fecal coliforms	1650000		MPN/g TS dry	BIA2101	01/17/2025 11:00	JKB
Colilert-18	Fecal coliforms	1270000		MPN/g TS dry	BIA2101	01/17/2025 11:00	JKB
Colilert-18	Fecal coliforms	1690000		MPN/g TS dry	BIA2101	01/17/2025 11:00	JKB
Colilert-18	Fecal coliforms	1110000		MPN/g TS dry	BIA2101	01/17/2025 11:00	JKB
SM 2710 B	Specific Oxygen Uptake Rate (SOUR)	0.989		mg O2/hr/g TS @ 20°C dry	BIA2116	01/17/2025 08:01	FPN
SM 2550 B	Temperature °C Field	16.6		°C	BIA2240	01/16/2025 14:24	CGJ
SM 2540 G	% Solids	0.234		%	BIA2089	01/17/2025 10:43	JRU

The total solids is diluted to <=2.0% for the S.O.U.R. test when necessary.

CLASS B - Pass

Per Title 30, Texas Administrative Code, Chapter 312, for a Class B to pass, the fecal coliform geometric mean must be less than or equal to 2,000,000 CFU/ug TS and the S.O.U.R must be less than or equal to 1.5 mg O2/hr/g TS.

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

H2O Innovation_Spring	Project: Bilma - Non Potable - Class B Annual	
P.O. Box 2718	Project Number: 31	**Reported:**
Spring, TX 77383	Project Manager: Natalia Espitia	01/23/2025 15:26

Quality Control

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2089 - Percent Solids										
Blank (BIA2089-BLK1)					Prepared: 1/16/2025 Analyzed: 1/17/2025					
% Solids	<0.100	U	0.100	%						
Duplicate (BIA2089-DUP1)			**Source: 25A3141-08**		Prepared: 1/16/2025 Analyzed: 1/17/2025					
% Solids			0.100	%		0.932			0.0986	10
Duplicate (BIA2089-DUP2)			**Source: 25A3470-08**		Prepared: 1/16/2025 Analyzed: 1/17/2025					
% Solids			0.100	%		0.919			1.09	10
Reference (BIA2089-SRM1)					Prepared: 1/16/2025 Analyzed: 1/17/2025					
% Solids			0.100	%	0.338		104	86.1-114		

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

H2O Innovation_Spring	Project: Bilma - Non Potable - Class B Annual	
P.O. Box 2718	Project Number: 31	**Reported:**
Spring, TX 77383	Project Manager: Natalia Espitia	01/23/2025 15:26

Quality Control
(Continued)

Microbiology

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2101 - FC Quantitray										
Blank (BIA2101-BLK1)				Prepared: 1/16/2025 Analyzed: 1/17/2025						
Fecal coliforms	<10.0	U	10.0	MPN/g TS wet						
Duplicate (BIA2101-DUP1)			**Source: 25A3467-01**	Prepared: 1/16/2025 Analyzed: 1/17/2025						
Fecal coliforms			4270	MPN/g TS dry		1310000			11.0	200

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

H2O Innovation_Spring	Project: Bilma - Non Potable - Class B Annual	
P.O. Box 2718	Project Number: 31	**Reported:**
Spring, TX 77383	Project Manager: Natalia Espitia	01/23/2025 15:26

Term and Qualfier Definitions

Item	Definition
U	Non-detected compound.
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated

CHAIN OF CUSTODY RECORD

NWDLS North Water District Laboratory Services, Inc

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A3467

Lab PM : Aundra Noe	**Project Name** : Bilma - Non Potable - Class B Annual	**Schedule Comments:**
H2O Innovation_Spring Natalia Espitia P.O. Box 2718 Spring, TX 77383 Phone: 281-353-9809	**Project Comments**: 5520 Winding Ridge Dr., 77379 Combo - 1982 Ron Stripling 713-887-7840 Email picture of chain to cs.compliance@h2oinnovation.com	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
25A3467-01	Digester		1/16/2025 1424	S Grab	A HDPE S150mL Na2S2O3 B HDPE S150mL Na2S2O3 C HDPE S150mL Na2S2O3 D HDPE S150mL Na2S2O3 E HDPE S150mL Na2S2O3 F HDPE S150mL Na2S2O3 G HDPE S150mL Na2S2O3 H HDPE 1L I HDPE 250mL	FC/CB-QT-LR SOUR-2710 SOUR TS-2540 G TS-2540 G	Na2S2O3 <10°C 4°C 4°C 4°C	Temp C Field 16.6

Field Remarks:

Lab Preservation: (Circle and Write ID Below) H2SO4 HNO3 NaOH Other:

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: César Guevara	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 1.16.25 1537	Received for Laboratory By: (Signature) KMC	Date/Time 1537 1.16.25

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID:

North West

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com

February 11, 2025

Laboratory Report

Natalia Espitia
H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Report ID: 20250211090516RLR

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Rebecca Rabon For Aundra Noe
Project Manager

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Sample Results

Client Sample ID: Digester
Lab Sample ID: 25A3468-01
Bilma - Non Potable - Sewage Sludge Annual 31

Sample Matrix: Solid
Date Collected: 01/16/2025 14:24
Collected by: Cesar Guevara

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Organics by GC											
SW-8082	PCBs, Total	A	<1620	U	ug/kg dry	10	46.3	1620	BIA2437	01/23/2025 23:34	SHU
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*90.6%*		*60-140*					*01/23/2025 23:34*	
SW-8082	*Surrogate: Decachlorobiphenyl-surr*		*96.7%*		*60-140*					*01/23/2025 23:34*	
Metals, Total											
SW-6010C	Arsenic	A	15.7		mg/kg dry	1	2.05	9.33	BIA2783	01/30/2025 12:36	JBM
SW-6010C	Cadmium	A	2.51		mg/kg dry	1	0.242	0.933	BIA2783	01/30/2025 12:36	JBM
SW-6010C	Chromium	A	44.9		mg/kg dry	1	3.50	4.68	BIA2783	01/30/2025 12:36	TBB
SW-6010C	Copper	A	1160		mg/kg dry	5	4.99	46.7	BIA2783	01/30/2025 13:35	JBM
SW-7471B	Mercury	A	0.823		mg/kg dry	1	0.0561	0.112	BIA2702	01/23/2025 15:01	KSI
SW-6010C	Lead	A	50.3		mg/kg dry	1	2.38	4.68	BIA2783	01/30/2025 12:36	JBM
SW-6010C	Molybdenum	A	20.6		mg/kg dry	1	4.68	4.68	BIA2783	01/30/2025 12:36	JBM
SW-6010C	Nickel	A	38.1		mg/kg dry	1	1.26	4.68	BIA2783	01/30/2025 12:36	JBM
SW-6010C	Potassium	A	16800		mg/kg dry	10	801	9330	BIA2783	01/30/2025 16:08	JBM
SW-6010C	Selenium	A	24.0		mg/kg dry	1	3.64	9.33	BIA2783	01/30/2025 12:36	JBM
SW-6010C	Total Phosphorus	A	15800		mg/kg dry	5	196	4670	BIA2783	01/30/2025 13:35	JBM
SW-6010C	Zinc	A	2970		mg/kg dry	50	234	234	BIA2783	01/30/2025 16:53	JBM
General Chemistry											
EPA 350.2	Ammonia as N	A	5620		mg/kg dry	1	2790	5580	BIA2217	01/17/2025 11:59	ENR
SW-9056A	Nitrate as N	A	1300		mg/kg dry	1	14.0	35.1	BIA2105	01/16/2025 23:01	AGZ
EPA 351.3	Total Kjeldahl Nitrogen - (TKN)	N	98400		mg/kg dry	1	1390	1390	BIA2264	01/20/2025 12:37	ENR
SM 2540 G	% Solids	A	0.357		%	1	0.100	0.100	BIA2089	01/17/2025 10:43	JRU
TCLP											
SW-6010C	Arsenic	A	<5.00	U	mg/L	1	0.00367	5.00	BIA2709	01/29/2025 14:30	TBB
SW-6010C	Barium	A	<100	U	mg/L	1	0.00125	100	BIA2709	01/24/2025 12:10	JKC
SW-6010C	Cadmium	A	<1.00	U	mg/L	1	0.000423	1.00	BIA2709	01/29/2025 14:30	JKC
SW-6010C	Chromium	A	<5.00	U	mg/L	1	0.00131	5.00	BIA2709	01/24/2025 12:10	AKR
SW-8151	2,4-D	A	<10.0	C+, U	mg/L	2	0.000476	10.0	BIA2773	01/25/2025 05:15	cdg
SW-8151	Silvex (2,4,5-TP)	A	<1.00	C+, U	mg/L	2	0.000476	1.00	BIA2773	01/25/2025 05:15	cdg
SW-8151	*Surrogate: DCAA-surr*		*126%*		*70-130*					*01/25/2025 05:15*	
SW-7471B	Mercury	A	<0.200	U	mg/L	1	0.000127	0.200	BIA2862	01/24/2025 12:45	KSI
SW-6010C	Lead	A	<5.00	U	mg/L	1	0.00341	5.00	BIA2709	01/24/2025 12:10	JKC
SW-8081	Chlordane (Total)	A	<0.0300	U	mg/L	1	2.98E-6	0.0300	BIA2813	01/23/2025 23:18	cdg
SW-8081	Endrin	N	<0.0200	U	mg/L	1	2.98E-6	0.0200	BIA2813	01/23/2025 23:18	cdg

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Sample Results
(Continued)

Client Sample ID: Digester (Continued)
Lab Sample ID: 25A3468-01
Bilma - Non Potable - Sewage Sludge Annual 31

Sample Matrix: Solid
Date Collected: 01/16/2025 14:24
Collected by: Cesar Guevara

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	A	<0.400	U	mg/L	1	2.98E-6	0.400	BIA2813	01/23/2025 23:18	cdg
SW-8081	Heptachlor	A	<0.00800	U	mg/L	1	2.98E-6	0.00800	BIA2813	01/23/2025 23:18	cdg
SW-8081	Heptachlor epoxide	A	<0.00800	U	mg/L	1	2.98E-6	0.00800	BIA2813	01/23/2025 23:18	cdg
SW-8081	Methoxychlor	A	<10.0	U	mg/L	1	2.98E-6	10.0	BIA2813	01/23/2025 23:18	cdg
SW-8081	Toxaphene (Chlorinated Camphene)	A	<0.500	U	mg/L	1	2.98E-6	0.500	BIA2813	01/23/2025 23:18	cdg
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*54.4%*	*S*	*60-140*					*01/23/2025 23:18*	
SW-8081	*Surrogate: Decachlorobiphenyl-surr*		*69.8%*		*60-140*					*01/23/2025 23:18*	
SW-6010C	Selenium	A	<1.00	U	mg/L	1	0.00531	1.00	BIA2709	01/24/2025 12:10	JKC
SW-6010C	Silver	A	<5.00	U	mg/L	1	0.00142	5.00	BIA2709	01/24/2025 12:10	JKC
SW-8270	2,4,5-Trichlorophenol	A	<400	U	mg/L	1	0.00243	400	BIA2707	01/25/2025 09:58	KRB
SW-8270	2,4,6-Trichlorophenol	A	<2.00	U	mg/L	1	0.00243	2.00	BIA2707	01/25/2025 09:58	KRB
SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	U	mg/L	1	0.00243	0.130	BIA2707	01/25/2025 09:58	KRB
SW-8270	2-Methylphenol (o-Cresol)	A	<200	U	mg/L	1	0.00243	200	BIA2707	01/25/2025 09:58	KRB
SW-8270	3,4-Methylphenol	A	<200	U	mg/L	1	0.00243	200	BIA2707	01/25/2025 09:58	KRB
SW-8270	Hexachlorobenzene	A	<0.130	U	mg/L	1	0.00243	0.130	BIA2707	01/25/2025 09:58	KRB
SW-8270	Hexachlorobutadiene	A	<0.500	U	mg/L	1	0.00243	0.500	BIA2707	01/25/2025 09:58	KRB
SW-8270	Hexachloroethane	A	<3.00	U	mg/L	1	0.00243	3.00	BIA2707	01/25/2025 09:58	KRB
SW-8270	Nitrobenzene	A	<2.00	U	mg/L	1	0.00243	2.00	BIA2707	01/25/2025 09:58	KRB
SW-8270	Pentachlorophenol	A	<100	U	mg/L	1	0.00243	100	BIA2707	01/25/2025 09:58	KRB
SW-8270	Pyridine	A	<5.00	U	mg/L	1	0.00243	5.00	BIA2707	01/25/2025 09:58	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*		*83.0%*		*54.6-148*					*01/25/2025 09:58*	
SW-8270	*Surrogate: 2-Fluorophenol-surr*		*93.3%*		*55-152*					*01/25/2025 09:58*	
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*		*103%*		*52.4-136*					*01/25/2025 09:58*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr*		*108%*		*52-162*					*01/25/2025 09:58*	
SW-8270	*Surrogate: Phenol-d5-surr*		*86.0%*		*58.7-152*					*01/25/2025 09:58*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr*		*82.0%*		*51.9-147*					*01/25/2025 09:58*	
SW-8260	1,1-Dichloroethylene	A	<0.700	U	mg/L	10	0.00849	0.700	BIA2682	01/22/2025 21:14	DDB
SW-8260	1,2-Dichloroethane (Ethylene dichloride)	A	<0.500	U	mg/L	10	0.00870	0.500	BIA2682	01/22/2025 21:14	DDB
SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<7.50	U	mg/L	10	0.00641	7.50	BIA2682	01/22/2025 21:14	DDB
SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	A	<200	U	mg/L	10	0.0738	200	BIA2682	01/22/2025 21:14	DDB
SW-8260	Benzene	A	<0.500	U	mg/L	10	0.00604	0.500	BIA2682	01/22/2025 21:14	DDB
SW-8260	Carbon tetrachloride	A	<0.500	U	mg/L	10	0.00500	0.500	BIA2682	01/22/2025 21:14	DDB
SW-8260	Chlorobenzene	A	<100	U	mg/L	10	0.00724	100	BIA2682	01/22/2025 21:14	DDB
SW-8260	Chloroform	A	<6.00	U	mg/L	10	0.00688	6.00	BIA2682	01/22/2025 21:14	DDB

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Sample Results
(Continued)

Client Sample ID: Digester (Continued)
Lab Sample ID: 25A3468-01
Bilma - Non Potable - Sewage Sludge Annual 31

Sample Matrix: Solid
Date Collected: 01/16/2025 14:24
Collected by: Cesar Guevara

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8260	Tetrachloroethylene (Perchloroethylene)	A	<0.700	U	mg/L	10	0.00703	0.700	BIA2682	01/22/2025 21:14	DDB
SW-8260	Trichloroethene (Trichloroethylene)	A	<0.500	U	mg/L	10	0.00744	0.500	BIA2682	01/22/2025 21:14	DDB
SW-8260	Vinyl chloride (Chloroethene)	A	<0.200	U	mg/L	10	0.0130	0.200	BIA2682	01/22/2025 21:14	DDB
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*		*109%*		*70-130*					*01/22/2025 21:14*	
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*		*106%*		*70-130*					*01/22/2025 21:14*	
SW-8260	*Surrogate: Toluene-d8-surr*		*98.6%*		*70-130*					*01/22/2025 21:14*	
SW-8260	*Surrogate: Dibromofluoromethane-surr*		*114%*		*70-130*					*01/22/2025 21:14*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2437 - SW-3570										
MB PCB SLUDGE (BIA2437-BLK1)				Prepared: 01/20/2025 Analyzed: 01/23/2025						
Aroclor-1016 (PCB-1016)	<5.59	U	5.59	ug/kg wet						
Aroclor-1221 (PCB-1221)	<5.59	U	5.59	ug/kg wet						
Aroclor-1232 (PCB-1232)	<5.59	U	5.59	ug/kg wet						
Aroclor-1242 (PCB-1242)	<5.59	U	5.59	ug/kg wet						
Aroclor-1248 (PCB-1248)	<5.59	U	5.59	ug/kg wet						
Aroclor-1254 (PCB-1254)	<5.59	U	5.59	ug/kg wet						
Aroclor-1260 (PCB-1260)	<5.59	U	5.59	ug/kg wet						
Aroclor-1262 (PCB-1262)	<5.59	U	5.59	ug/kg wet						
Aroclor-1268 (PCB-1268)	<5.59	U	5.59	ug/kg wet						
PCBs, Total	<5.59	U	5.59	ug/kg wet						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*4.19*	*ug/kg wet*	*5.59*		*74.9*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*4.81*	*ug/kg wet*	*5.59*		*86.0*	*60-140*		
BS PCB SLUDGE (BIA2437-BS1)				Prepared: 01/20/2025 Analyzed: 01/23/2025						
Aroclor-1016 (PCB-1016)	58.4		5.85	ug/kg wet	58.5		99.7	60-140		
Aroclor-1260 (PCB-1260)	61.9		5.85	ug/kg wet	58.5		106	60-140		
PCBs, Total	60.1		5.85	ug/kg wet	58.5		103	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*4.43*	*ug/kg wet*	*5.85*		*75.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.62*	*ug/kg wet*	*5.85*		*96.0*	*60-140*		
BSD PCB SLUDGE (BIA2437-BSD1)				Prepared: 01/20/2025 Analyzed: 01/23/2025						
Aroclor-1016 (PCB-1016)	64.8		5.76	ug/kg wet	57.6		113	60-140	10.5	40
Aroclor-1260 (PCB-1260)	71.4		5.76	ug/kg wet	57.6		124	60-140	14.2	40
PCBs, Total	68.1		5.76	ug/kg wet	57.6		118	60-140	12.4	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*4.82*	*ug/kg wet*	*5.76*		*83.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*6.41*	*ug/kg wet*	*5.76*		*111*	*60-140*		
25A3468-01 MS (BIA2437-MS1)		**Source: 25A3468-01**		Prepared: 01/20/2025 Analyzed: 01/23/2025						
Aroclor-1016 (PCB-1016)	16900		1640	ug/kg dry	16400	<1640	103	60-140		
Aroclor-1260 (PCB-1260)	16700		1640	ug/kg dry	16400	<1640	102	60-140		
PCBs, Total	16800		1640	ug/kg dry	16400	<1640	103	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*1560*	*ug/kg dry*	*1640*		*95.5*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*1560*	*ug/kg dry*	*1640*		*95.6*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2437 - SW-3570 (Continued)										
25A3468-01 MSD (BIA2437-MSD1)	**Source: 25A3468-01**			Prepared: 01/20/2025 Analyzed: 01/23/2025						
Aroclor-1016 (PCB-1016)	15200		1550	ug/kg dry	15500	<1550	97.9	60-140	10.7	40
Aroclor-1260 (PCB-1260)	14900		1550	ug/kg dry	15500	<1550	96.0	60-140	11.4	40
PCBs, Total	15100		1550	ug/kg dry	15500	<1550	97.0	60-140	11.0	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*1320*	*ug/kg dry*	*1550*		*85.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*1320*	*ug/kg dry*	*1550*		*84.7*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2702 - SW-7471										
MDL Check (BIA2702-MRL1)					Prepared & Analyzed: 01/23/2025					
Mercury	0.0106	U	0.0200	mg/kg wet	0.0100		106			
Matrix Spike (BIA2702-MS1)		**Source: 25A2597-06**			Prepared & Analyzed: 01/23/2025					
Mercury	0.500		0.0284	mg/kg dry	0.355	0.0945	114	80-120		
Matrix Spike (BIA2702-MS2)		**Source: 25A3540-01**			Prepared & Analyzed: 01/23/2025					
Mercury	0.208		0.0118	mg/kg dry	0.148	0.0553	103	80-120		
Matrix Spike Dup (BIA2702-MSD1)		**Source: 25A2597-06**			Prepared & Analyzed: 01/23/2025					
Mercury	0.540	J1	0.0286	mg/kg dry	0.357	0.0945	125	80-120	7.72	20
Matrix Spike Dup (BIA2702-MSD2)		**Source: 25A3540-01**			Prepared & Analyzed: 01/23/2025					
Mercury	0.222		0.0118	mg/kg dry	0.148	0.0553	113	80-120	6.82	20
Batch: BIA2783 - SW-3050 for 6010										
Blank (BIA2783-BLK1)					Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	<0.0333	U	0.0333	mg/kg wet						
Cadmium	<0.00333	U	0.00333	mg/kg wet						
Chromium	<0.0167	U	0.0167	mg/kg wet						
Copper	<0.0333	U	0.0333	mg/kg wet						
Lead	<0.0167	U	0.0167	mg/kg wet						
Molybdenum	<0.0167	U	0.0167	mg/kg wet						
Nickel	<0.0167	U	0.0167	mg/kg wet						
Potassium	<3.33	U	3.33	mg/kg wet						
Selenium	<0.0333	U	0.0333	mg/kg wet						
Total Phosphorus	<3.33	U	3.33	mg/kg wet						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010 (Continued)										
Blank (BIA2783-BLK2)				Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	<0.0167	U	0.0167	mg/kg wet						
LCS (BIA2783-BS1)				Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	0.801		0.0333	mg/kg wet	0.833		96.1	80-120		
Cadmium	0.0792		0.00333	mg/kg wet	0.0833		95.1	80-120		
Chromium	0.407		0.0167	mg/kg wet	0.417		97.6	80-120		
Copper	0.802		0.0333	mg/kg wet	0.833		96.2	80-120		
Lead	0.423		0.0167	mg/kg wet	0.417		101	80-120		
Molybdenum	0.400		0.0167	mg/kg wet	0.417		96.0	80-120		
Nickel	0.406		0.0167	mg/kg wet	0.417		97.3	80-120		
Potassium	80.6		3.33	mg/kg wet	83.3		96.7	80-120		
Selenium	0.828		0.0333	mg/kg wet	0.833		99.3	80-120		
Total Phosphorus	82.5		3.33	mg/kg wet	83.3		99.0	80-120		
LCS (BIA2783-BS2)				Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	0.422		0.0167	mg/kg wet	0.417		101	80-120		
Matrix Spike (BIA2783-MS1)			**Source: 25A3540-01**	Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	29.7		1.14	mg/kg dry	28.6	3.39	92.1	75-125		
Cadmium	2.79		0.114	mg/kg dry	2.86	<0.114	97.7	75-125		
Chromium	22.2	J1	0.573	mg/kg dry	14.3	19.2	21.2	75-125		
Copper	589		22.9	mg/kg dry	601	32.4	92.6	75-125		
Lead	20.9		0.573	mg/kg dry	14.3	8.69	85.7	75-125		
Molybdenum	13.0		0.573	mg/kg dry	14.3	0.681	86.3	75-125		
Nickel	15.4		0.573	mg/kg dry	14.3	2.72	88.9	75-125		
Potassium	2980		114	mg/kg dry	2860	207	96.9	75-125		
Selenium	28.3		1.14	mg/kg dry	28.6	0.780	96.2	75-125		
Total Phosphorus	6810		1140	mg/kg dry	5720	1220	97.6	75-125		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010 (Continued)										
Matrix Spike (BIA2783-MS2)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	48.7		1.93	mg/kg dry	48.3	1.79	97.1	75-125		
Cadmium	4.80		0.193	mg/kg dry	4.83	0.258	94.0	75-125		
Chromium	33.1		0.968	mg/kg dry	24.1	9.95	95.8	75-125		
Copper	964		38.6	mg/kg dry	1010	11.6	93.9	75-125		
Lead	29.4		0.968	mg/kg dry	24.1	5.75	97.8	75-125		
Molybdenum	22.4		0.968	mg/kg dry	24.1	<0.968	92.6	75-125		
Nickel	24.9		0.968	mg/kg dry	24.1	2.25	93.6	75-125		
Selenium	47.5		1.93	mg/kg dry	48.3	0.769	96.8	75-125		
Total Phosphorus	10300		1930	mg/kg dry	9660	469	102	75-125		
Matrix Spike (BIA2783-MS3)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	<28.7	J1, U	28.7	mg/kg dry	586	93.8	NR	75-125		
Matrix Spike (BIA2783-MS4)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Potassium	5000		193	mg/kg dry	4830	200	99.3	75-125		
Zinc	1240		48.4	mg/kg dry	990	<48.4	125	75-125		
Matrix Spike Dup (BIA2783-MSD1)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	30.5		1.18	mg/kg dry	29.7	3.39	91.4	75-125	2.47	20
Cadmium	2.90		0.118	mg/kg dry	2.97	<0.118	97.7	75-125	3.68	20
Chromium	23.2	J1	0.594	mg/kg dry	14.8	19.2	27.3	75-125	4.50	20
Copper	618		23.7	mg/kg dry	623	32.4	94.1	75-125	4.93	20
Lead	22.3		0.594	mg/kg dry	14.8	8.69	91.8	75-125	6.26	20
Molybdenum	13.4		0.594	mg/kg dry	14.8	0.681	85.7	75-125	2.81	20
Nickel	16.9		0.594	mg/kg dry	14.8	2.72	95.5	75-125	9.00	20
Potassium	3110		118	mg/kg dry	2970	207	97.8	75-125	4.20	20
Selenium	29.4		1.18	mg/kg dry	29.7	0.780	96.5	75-125	3.79	20
Total Phosphorus	7470		1180	mg/kg dry	5930	1220	105	75-125	9.20	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010 (Continued)										
Matrix Spike Dup (BIA2783-MSD2)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	50.3		1.95	mg/kg dry	48.7	1.79	99.7	75-125	3.37	20
Cadmium	4.78		0.195	mg/kg dry	4.87	0.258	92.7	75-125	0.469	20
Chromium	35.9		0.976	mg/kg dry	24.4	9.95	107	75-125	8.24	20
Copper	955		38.9	mg/kg dry	1020	11.6	92.2	75-125	0.941	20
Lead	30.6		0.976	mg/kg dry	24.4	5.75	102	75-125	4.12	20
Molybdenum	22.3		0.976	mg/kg dry	24.4	<0.976	91.5	75-125	0.335	20
Nickel	26.5		0.976	mg/kg dry	24.4	2.25	99.7	75-125	6.52	20
Selenium	49.4		1.95	mg/kg dry	48.7	0.769	99.8	75-125	3.89	20
Total Phosphorus	6440	J1	1950	mg/kg dry	9740	469	61.3	75-125	46.3	20
Matrix Spike Dup (BIA2783-MSD3)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	690		29.7	mg/kg dry	608	93.8	98.2	75-125	200	20
Matrix Spike Dup (BIA2783-MSD4)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Potassium	5170		195	mg/kg dry	4870	200	102	75-125	3.44	20
Zinc	1020		48.8	mg/kg dry	999	<48.8	102	75-125	19.4	20
Post Spike (BIA2783-PS1)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	415	J1		ug/L	500	56.5	71.8	80-120		
Cadmium	34.6	J1		ug/L	50.0	0.435	68.4	80-120		
Chromium	554			ug/L	250	320	93.6	80-120		
Copper	924	J1		ug/L	500	541	76.7	80-120		
Lead	328	J1		ug/L	250	145	73.2	80-120		
Molybdenum	154	J1		ug/L	250	11.4	57.1	80-120		
Nickel	225	J1		ug/L	250	45.3	71.8	80-120		
Potassium	10900	J1		ug/L	50000	3440	14.9	80-120		
Selenium	365	J1		ug/L	500	13.0	70.5	80-120		
Total Phosphorus	65000			ug/L	50000	20400	89.1	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010 (Continued)										
Post Spike (BIA2783-PS2)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	516			ug/L	500	17.5	99.7	80-120		
Cadmium	50.9			ug/L	50.0	2.51	96.8	80-120		
Chromium	347			ug/L	250	97.0	100	80-120		
Copper	610			ug/L	500	113	99.4	80-120		
Lead	312			ug/L	250	56.0	103	80-120		
Molybdenum	192	J1		ug/L	250	2.13	75.8	80-120		
Nickel	270			ug/L	250	21.9	99.0	80-120		
Selenium	511			ug/L	500	7.50	101	80-120		
Total Phosphorus	17900	J1		ug/L	50000	4570	26.7	80-120		
Post Spike (BIA2783-PS3)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Zinc	1980	J1		ug/L	250	1560	166	80-120		
Post Spike (BIA2783-PS4)		**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Potassium	89900	J1		ug/L	50000	1950	176	80-120		
Zinc	441			ug/L	250	222	87.6	80-120		
Dilution Check (BIA2783-SRL1)		**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025						
Arsenic	3.52	U	5.67	mg/kg dry		3.39			3.69	10
Cadmium	<0.567	U	0.567	mg/kg dry		<0.567				10
Chromium	19.5		2.84	mg/kg dry		19.2			1.79	10
Copper	31.9		5.67	mg/kg dry		32.4			1.60	10
Lead	8.59		2.84	mg/kg dry		8.69			1.14	10
Molybdenum	<2.84	U	2.84	mg/kg dry		<2.84			200	10
Nickel	2.42	U	2.84	mg/kg dry		2.72			11.5	10
Potassium	149	U	567	mg/kg dry		207			32.7	10
Selenium	<5.67	U	5.67	mg/kg dry		<5.67			200	10
Total Phosphorus	1270		567	mg/kg dry		1220			3.53	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2783 - SW-3050 for 6010 (Continued)										
Dilution Check (BIA2783-SRL2)			**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025					
Arsenic	3.65	U	9.68	mg/kg dry		<9.68			68.2	10
Cadmium	0.373	U	0.968	mg/kg dry		0.258			36.7	10
Chromium	9.99		4.86	mg/kg dry		9.95			0.399	10
Copper	12.3		9.68	mg/kg dry		11.6			5.74	10
Lead	4.62	U	4.86	mg/kg dry		5.75			21.6	10
Molybdenum	<4.86	U	4.86	mg/kg dry		<4.86				10
Nickel	1.70	U	4.86	mg/kg dry		2.25			27.9	10
Selenium	<9.68	U	9.68	mg/kg dry		<9.68			200	10
Total Phosphorus	472	U	968	mg/kg dry		469			0.697	10
Dilution Check (BIA2783-SRL3)			**Source: 25A3540-01**		Prepared: 01/23/2025 Analyzed: 01/30/2025					
Zinc	97.6		2.84	mg/kg dry		93.8			3.88	10
Dilution Check (BIA2783-SRL4)			**Source: 25A3389-02**		Prepared: 01/23/2025 Analyzed: 01/30/2025					
Potassium	208	U	968	mg/kg dry		200			3.94	10
Zinc	23.9		4.86	mg/kg dry		22.8			4.66	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2089 - Percent Solids										
Blank (BIA2089-BLK1)					Prepared: 01/16/2025 Analyzed: 01/17/2025					
% Solids	<0.100	U	0.100	%						
Duplicate (BIA2089-DUP1)		**Source: 25A3141-08**			Prepared: 01/16/2025 Analyzed: 01/17/2025					
% Solids	0.931		0.100	%		0.932			0.0986	10
Duplicate (BIA2089-DUP2)		**Source: 25A3470-08**			Prepared: 01/16/2025 Analyzed: 01/17/2025					
% Solids	0.929		0.100	%		0.919			1.09	10
Reference (BIA2089-SRM1)					Prepared: 01/16/2025 Analyzed: 01/17/2025					
% Solids	0.351		0.100	%	0.338		104	86.1-114		
Batch: BIA2105 - Solid Anions No Prep										
Duplicate (BIA2105-DUP1)		**Source: 25A3468-01**			Prepared & Analyzed: 01/16/2025					
Nitrate as N	1290		35.1	mg/kg dry		1300			0.0866	15
MRL Check (BIA2105-MRL1)					Prepared & Analyzed: 01/16/2025					
Nitrate as N	0.123	U	0.125	mg/kg wet	0.100		123	50-150		
Matrix Spike (BIA2105-MS1)		**Source: 25A3468-01**			Prepared: 01/16/2025 Analyzed: 01/17/2025					
Nitrate as N	1920		39.0	mg/kg dry	623	1300	99.9	80-120		
Batch: BIA2217 - NH3-N T										
Blank (BIA2217-BLK1)					Prepared & Analyzed: 01/17/2025					
Ammonia as N	<9.96	U	9.96	mg/kg wet						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2217 - NH3-N T (Continued)										
LCS (BIA2217-BS1)					Prepared & Analyzed: 01/17/2025					
Ammonia as N	98.3		9.97	mg/kg wet	99.7		98.6	85-115		
Duplicate (BIA2217-DUP1)		**Source: 25A3468-01**			Prepared & Analyzed: 01/17/2025					
Ammonia as N	6100		5590	mg/kg dry		5620			8.20	20
MRL Check (BIA2217-MRL1)					Prepared & Analyzed: 01/17/2025					
Ammonia as N	7.54	U	9.98	mg/kg wet	9.98		75.6	50-150		
Matrix Spike (BIA2217-MS1)		**Source: 25A3468-01**			Prepared & Analyzed: 01/17/2025					
Ammonia as N	47400	J1	5590	mg/kg dry	55900	5620	74.8	85-115		
Batch: BIA2264 - TKN T										
Blank (BIA2264-BLK1)					Prepared: 01/17/2025 Analyzed: 01/20/2025					
Total Kjeldahl Nitrogen - (TKN)	<9.80	U	9.80	mg/kg wet						
LCS (BIA2264-BS1)					Prepared: 01/17/2025 Analyzed: 01/20/2025					
Total Kjeldahl Nitrogen - (TKN)	23.0		9.77	mg/kg wet	25.4		90.5	85-115		
Duplicate (BIA2264-DUP1)		**Source: 25A3468-01**			Prepared: 01/17/2025 Analyzed: 01/20/2025					
Total Kjeldahl Nitrogen - (TKN)	126000	J1	1400	mg/kg dry		98400			24.7	20
MRL Check (BIA2264-MRL1)					Prepared: 01/17/2025 Analyzed: 01/20/2025					
Total Kjeldahl Nitrogen - (TKN)	31.0		9.88	mg/kg wet	39.5		78.4	50-150		
Matrix Spike (BIA2264-MS1)		**Source: 25A3468-01**			Prepared: 01/17/2025 Analyzed: 01/20/2025					
Total Kjeldahl Nitrogen - (TKN)	131000	J1	1400	mg/kg dry	5590	98400	585	85-115		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

TCLP

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2682 - SW-5030										
Blank (BIA2682-BLK1)					Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	<0.00300	U	0.00300	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.00300	U	0.00300	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<0.00200	U	0.00200	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<0.0220	U	0.0220	mg/L						
Benzene	<0.00200	U	0.00200	mg/L						
Carbon tetrachloride	<0.00100	U	0.00100	mg/L						
Chlorobenzene	<0.00200	U	0.00200	mg/L						
Chloroform	<0.00200	U	0.00200	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.00200	U	0.00200	mg/L						
Trichloroethene (Trichloroethylene)	<0.00200	U	0.00200	mg/L						
Vinyl chloride (Chloroethene)	<0.00400	U	0.00400	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*49.5*	*ug/L*	*50.0*		*99.0*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*57.0*	*ug/L*	*50.0*		*114*	*70-130*		
Surrogate: Toluene-d8-surr			*53.5*	*ug/L*	*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*52.0*	*ug/L*	*50.0*		*104*	*70-130*		
LCS (BIA2682-BS1)					Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	0.0372	U	0.700	mg/L	0.0400		93.1	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0371	U	0.500	mg/L	0.0400		92.7	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0392	U	7.50	mg/L	0.0400		97.9	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.372	U	200	mg/L	0.400		93.1	70-130		
Benzene	0.0376	U	0.500	mg/L	0.0400		94.1	70-130		
Carbon tetrachloride	0.0370	U	0.500	mg/L	0.0400		92.6	70-130		
Chlorobenzene	0.0378	U	100	mg/L	0.0400		94.4	70-130		
Chloroform	0.0381	U	6.00	mg/L	0.0400		95.3	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0346	U	0.700	mg/L	0.0400		86.5	70-130		
Trichloroethene (Trichloroethylene)	0.0394	U	0.500	mg/L	0.0400		98.6	70-130		
Vinyl chloride (Chloroethene)	0.0345	U	0.200	mg/L	0.0400		86.3	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*49.7*	*ug/L*	*50.0*		*99.5*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*46.2*	*ug/L*	*50.0*		*92.4*	*70-130*		
Surrogate: Toluene-d8-surr			*51.1*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*48.6*	*ug/L*	*50.0*		*97.1*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2682 - SW-5030 (Continued)										
LCS Dup (BIA2682-BSD1)					Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	0.0406	U	0.700	mg/L	0.0400		101	70-130	8.62	30
1,2-Dichloroethane (Ethylene dichloride)	0.0397	U	0.500	mg/L	0.0400		99.2	70-130	6.83	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0412	U	7.50	mg/L	0.0400		103	70-130	4.99	30
2-Butanone (Methyl ethyl ketone, MEK)	0.404	U	200	mg/L	0.400		101	70-130	8.23	30
Benzene	0.0409	U	0.500	mg/L	0.0400		102	70-130	8.39	30
Carbon tetrachloride	0.0407	U	0.500	mg/L	0.0400		102	70-130	9.49	30
Chlorobenzene	0.0401	U	100	mg/L	0.0400		100	70-130	5.90	30
Chloroform	0.0406	U	6.00	mg/L	0.0400		102	70-130	6.36	30
Tetrachloroethylene (Perchloroethylene)	0.0421	U	0.700	mg/L	0.0400		105	70-130	19.7	30
Trichloroethene (Trichloroethylene)	0.0410	U	0.500	mg/L	0.0400		102	70-130	3.78	30
Vinyl chloride (Chloroethene)	0.0406	U	0.200	mg/L	0.0400		101	70-130	16.1	30
Surrogate: 1,2-Dichloroethane-d4-surr			*50.2*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*49.0*	*ug/L*	*50.0*		*98.1*	*70-130*		
Surrogate: Toluene-d8-surr			*49.6*	*ug/L*	*50.0*		*99.3*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*49.2*	*ug/L*	*50.0*		*98.4*	*70-130*		
BIA2586-BLK1 (BIA2682-LBK1)					Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	<0.00300	U	0.00300	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.00300	U	0.00300	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<0.00200	U	0.00200	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<0.0220	U	0.0220	mg/L						
Benzene	<0.00200	U	0.00200	mg/L						
Carbon tetrachloride	<0.00100	U	0.00100	mg/L						
Chlorobenzene	<0.00200	U	0.00200	mg/L						
Chloroform	<0.00200	U	0.00200	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.00200	U	0.00200	mg/L						
Trichloroethene (Trichloroethylene)	<0.00200	U	0.00200	mg/L						
Vinyl chloride (Chloroethene)	<0.00400	U	0.00400	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*56.4*	*ug/L*	*50.0*		*113*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*50.6*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8-surr			*50.5*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*58.7*	*ug/L*	*50.0*		*117*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2682 - SW-5030 (Continued)										
BIA2392-BLK1 (BIA2682-LBK2)					Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	<0.00300	U	0.00300	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.00300	U	0.00300	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<0.00200	U	0.00200	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<0.0220	U	0.0220	mg/L						
Benzene	<0.00200	U	0.00200	mg/L						
Carbon tetrachloride	<0.00100	U	0.00100	mg/L						
Chlorobenzene	<0.00200	U	0.00200	mg/L						
Chloroform	<0.00200	U	0.00200	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.00200	U	0.00200	mg/L						
Trichloroethene (Trichloroethylene)	<0.00200	U	0.00200	mg/L						
Vinyl chloride (Chloroethene)	<0.00400	U	0.00400	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*53.9*	*ug/L*	*50.0*		*108*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*48.3*	*ug/L*	*50.0*		*96.6*	*70-130*		
Surrogate: Toluene-d8-surr			*50.4*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*55.2*	*ug/L*	*50.0*		*110*	*70-130*		
Matrix Spike (BIA2682-MS1)	**Source: 25A3412-01**				Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	0.0586	U	0.700	mg/L	0.0500	<0.700	117	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0422	U	0.500	mg/L	0.0500	<0.500	84.3	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0429	U	7.50	mg/L	0.0500	<7.50	85.7	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.331	J1, U	200	mg/L	0.500	<200	66.3	70-130		
Benzene	0.0480	U	0.500	mg/L	0.0500	<0.500	96.0	70-130		
Carbon tetrachloride	0.0537	U	0.500	mg/L	0.0500	<0.500	107	70-130		
Chlorobenzene	0.0448	U	100	mg/L	0.0500	<100	89.5	70-130		
Chloroform	0.0432	U	6.00	mg/L	0.0500	<6.00	86.4	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0538	U	0.700	mg/L	0.0500	<0.700	108	70-130		
Trichloroethene (Trichloroethylene)	0.0479	U	0.500	mg/L	0.0500	<0.500	95.9	70-130		
Vinyl chloride (Chloroethene)	0.0876	J1, U	0.200	mg/L	0.0500	<0.200	175	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*52.4*	*ug/L*	*50.0*		*105*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*50.4*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8-surr			*48.1*	*ug/L*	*50.0*		*96.3*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*52.9*	*ug/L*	*50.0*		*106*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2682 - SW-5030 (Continued)										
Matrix Spike Dup (BIA2682-MSD1)		**Source: 25A3412-01**			Prepared & Analyzed: 01/22/2025					
1,1-Dichloroethylene	0.0480	U	0.700	mg/L	0.0500	<0.700	96.1	70-130	19.9	30
1,2-Dichloroethane (Ethylene dichloride)	0.0377	U	0.500	mg/L	0.0500	<0.500	75.5	70-130	11.0	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0377	U	7.50	mg/L	0.0500	<7.50	75.3	70-130	12.9	30
2-Butanone (Methyl ethyl ketone, MEK)	0.280	J1, U	200	mg/L	0.500	<200	55.9	70-130	16.9	30
Benzene	0.0426	U	0.500	mg/L	0.0500	<0.500	85.2	70-130	11.9	30
Carbon tetrachloride	0.0512	U	0.500	mg/L	0.0500	<0.500	102	70-130	4.66	30
Chlorobenzene	0.0404	U	100	mg/L	0.0500	<100	80.9	70-130	10.2	30
Chloroform	0.0387	U	6.00	mg/L	0.0500	<6.00	77.3	70-130	11.1	30
Tetrachloroethylene (Perchloroethylene)	0.0538	U	0.700	mg/L	0.0500	<0.700	108	70-130	0.0948	30
Trichloroethene (Trichloroethylene)	0.0426	U	0.500	mg/L	0.0500	<0.500	85.3	70-130	11.7	30
Vinyl chloride (Chloroethene)	0.0522	J1, U	0.200	mg/L	0.0500	<0.200	104	70-130	50.7	30
Surrogate: 1,2-Dichloroethane-d4-surr			*52.6*	*ug/L*	*50.0*		*105*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*51.5*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8-surr			*46.7*	*ug/L*	*50.0*		*93.4*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*53.1*	*ug/L*	*50.0*		*106*	*70-130*		
Batch: BIA2707 - SW-3511										
MB SV (BIA2707-BLK1)					Prepared: 01/23/2025 Analyzed: 01/24/2025					
2,4,5-Trichlorophenol	<0.00124	U	0.00124	mg/L						
2,4,6-Trichlorophenol	<0.00124	U	0.00124	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00124	U	0.00124	mg/L						
2-Methylphenol (o-Cresol)	<0.00124	U	0.00124	mg/L						
3,4-Methylphenol	<0.00124	U	0.00124	mg/L						
Hexachlorobenzene	<0.00124	U	0.00124	mg/L						
Hexachlorobutadiene	<0.00124	U	0.00124	mg/L						
Hexachloroethane	<0.00124	U	0.00124	mg/L						
Nitrobenzene	<0.00124	U	0.00124	mg/L						
Pentachlorophenol	<0.00124	U	0.00124	mg/L						
Pyridine	<0.00124	U	0.00124	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.00823*	*mg/L*	*0.00991*		*83.1*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0194*	*mg/L*	*0.0198*		*98.0*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0205*	*mg/L*	*0.0198*		*104*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00868*	*mg/L*	*0.00991*		*87.6*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0179*	*mg/L*	*0.0198*		*90.5*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00795*	*mg/L*	*0.00991*		*80.3*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2707 - SW-3511 (Continued)										
BS SV (BIA2707-BS1)					Prepared: 01/23/2025 Analyzed: 01/24/2025					
2,4,5-Trichlorophenol	0.0211	U	400	mg/L	0.0199		106	60-140		
2,4,6-Trichlorophenol	0.0210	U	2.00	mg/L	0.0199		105	60-140		
2,4-Dinitrotoluene (2,4-DNT)	0.0101	U	0.130	mg/L	0.00995		101	60-140		
2-Methylphenol (o-Cresol)	0.0181	U	200	mg/L	0.0199		91.0	60-140		
3,4-Methylphenol	0.0336	U	200	mg/L	0.0398		84.5	60-140		
Hexachlorobenzene	0.00830	U	0.130	mg/L	0.00995		83.4	60-140		
Hexachlorobutadiene	0.00662	U	0.500	mg/L	0.00995		66.6	60-140		
Hexachloroethane	0.00747	U	3.00	mg/L	0.00995		75.1	60-140		
Nitrobenzene	0.00954	U	2.00	mg/L	0.00995		95.9	60-140		
Pentachlorophenol	0.0208	U	100	mg/L	0.0199		105	36.8-149		
Pyridine	0.00799	U	5.00	mg/L	0.0498		16.1	2.5-101		
Surrogate: 2-Fluorobiphenyl-surr			*0.00840*	*mg/L*	*0.00995*		*84.4*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0198*	*mg/L*	*0.0199*		*99.4*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0179*	*mg/L*	*0.0199*		*90.0*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00865*	*mg/L*	*0.00995*		*86.9*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0183*	*mg/L*	*0.0199*		*92.2*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00836*	*mg/L*	*0.00995*		*84.0*	*51.9-147*		
BSD SV (BIA2707-BSD1)					Prepared: 01/23/2025 Analyzed: 01/24/2025					
2,4,5-Trichlorophenol	0.0222	U	400	mg/L	0.0199		112	60-140	5.10	40
2,4,6-Trichlorophenol	0.0209	U	2.00	mg/L	0.0199		105	60-140	0.590	40
2,4-Dinitrotoluene (2,4-DNT)	0.00958	U	0.130	mg/L	0.00994		96.4	60-140	4.89	40
2-Methylphenol (o-Cresol)	0.0179	U	200	mg/L	0.0199		90.2	60-140	1.06	40
3,4-Methylphenol	0.0346	U	200	mg/L	0.0398		87.1	60-140	2.93	40
Hexachlorobenzene	0.00874	U	0.130	mg/L	0.00994		87.9	60-140	5.11	40
Hexachlorobutadiene	0.00621	U	0.500	mg/L	0.00994		62.4	60-140	6.54	40
Hexachloroethane	0.00778	U	3.00	mg/L	0.00994		78.3	60-140	4.10	40
Nitrobenzene	0.00982	U	2.00	mg/L	0.00994		98.8	60-140	2.88	40
Pentachlorophenol	0.0215	U	100	mg/L	0.0199		108	36.8-149	3.17	40
Pyridine	0.0262	J1, U	5.00	mg/L	0.0497		52.8	2.5-101	107	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00892*	*mg/L*	*0.00994*		*89.8*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0214*	*mg/L*	*0.0199*		*108*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0180*	*mg/L*	*0.0199*		*90.4*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00933*	*mg/L*	*0.00994*		*93.9*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0188*	*mg/L*	*0.0199*		*94.7*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00824*	*mg/L*	*0.00994*		*82.9*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2707 - SW-3511 (Continued)										
BIA2391-BLK1 (BIA2707-LBK1)				Prepared: 01/23/2025 Analyzed: 01/25/2025						
2,4,5-Trichlorophenol	<0.00497	U	0.00497	mg/L						
2,4,6-Trichlorophenol	<0.00497	U	0.00497	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00497	U	0.00497	mg/L						
2-Methylphenol (o-Cresol)	<0.00497	U	0.00497	mg/L						
3,4-Methylphenol	0.00265	U	0.00497	mg/L						
Hexachlorobenzene	<0.00497	U	0.00497	mg/L						
Hexachlorobutadiene	<0.00497	U	0.00497	mg/L						
Hexachloroethane	<0.00497	U	0.00497	mg/L						
Nitrobenzene	<0.00497	U	0.00497	mg/L						
Pentachlorophenol	<0.00497	U	0.00497	mg/L						
Pyridine	<0.00497	U	0.00497	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0328*	*mg/L*	*0.0398*		*82.4*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0723*	*mg/L*	*0.0795*		*91.0*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0756*	*mg/L*	*0.0795*		*95.0*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0451*	*mg/L*	*0.0398*		*113*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0687*	*mg/L*	*0.0795*		*86.4*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0271*	*mg/L*	*0.0398*		*68.3*	*51.9-147*		
BIA2584-BLK1 (BIA2707-LBK2)				Prepared: 01/23/2025 Analyzed: 01/25/2025						
2,4,5-Trichlorophenol	<0.00495	U	0.00495	mg/L						
2,4,6-Trichlorophenol	<0.00495	U	0.00495	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00495	U	0.00495	mg/L						
2-Methylphenol (o-Cresol)	<0.00495	U	0.00495	mg/L						
3,4-Methylphenol	0.00251	U	0.00495	mg/L						
Hexachlorobenzene	<0.00495	U	0.00495	mg/L						
Hexachlorobutadiene	<0.00495	U	0.00495	mg/L						
Hexachloroethane	<0.00495	U	0.00495	mg/L						
Nitrobenzene	<0.00495	U	0.00495	mg/L						
Pentachlorophenol	<0.00495	U	0.00495	mg/L						
Pyridine	<0.00495	U	0.00495	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0337*	*mg/L*	*0.0396*		*85.2*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0775*	*mg/L*	*0.0792*		*97.8*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0750*	*mg/L*	*0.0792*		*94.7*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0390*	*mg/L*	*0.0396*		*98.5*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0693*	*mg/L*	*0.0792*		*87.4*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0267*	*mg/L*	*0.0396*		*67.3*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2707 - SW-3511 (Continued)										
25A3412-02 MS (BIA2707-MS1)			**Source: 25A3412-02**		Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4,5-Trichlorophenol	0.0855	U	400	mg/L	0.0798	<400	107	44.9-171		
2,4,6-Trichlorophenol	0.0760	U	2.00	mg/L	0.0798	<2.00	95.3	34.7-143		
2,4-Dinitrotoluene (2,4-DNT)	0.0426	U	0.130	mg/L	0.0399	<0.130	107	50.3-144		
2-Methylphenol (o-Cresol)	0.0818	U	200	mg/L	0.0798	<200	102	60-140		
3,4-Methylphenol	0.142	U	200	mg/L	0.160	0.00267	87.1	43.4-188		
Hexachlorobenzene	0.0358	U	0.130	mg/L	0.0399	<0.130	89.7	56.1-137		
Hexachlorobutadiene	0.0296	U	0.500	mg/L	0.0399	<0.500	74.2	33.1-110		
Hexachloroethane	0.0287	U	3.00	mg/L	0.0399	<3.00	71.9	36.2-106		
Nitrobenzene	0.0487	U	2.00	mg/L	0.0399	<2.00	122	54.9-156		
Pentachlorophenol	0.0935	U	100	mg/L	0.0798	<100	117	42.2-151		
Pyridine	0.0859	U	5.00	mg/L	0.199	<5.00	43.1	2-87.4		
Surrogate: 2-Fluorobiphenyl-surr			*0.0366*	*mg/L*	*0.0399*		*91.9*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0860*	*mg/L*	*0.0798*		*108*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0798*	*mg/L*	*0.0798*		*100*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0428*	*mg/L*	*0.0399*		*107*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0875*	*mg/L*	*0.0798*		*110*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0366*	*mg/L*	*0.0399*		*91.7*	*51.9-147*		
25A3412-02 MSD (BIA2707-MSD1)			**Source: 25A3412-02**		Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4,5-Trichlorophenol	0.0808	U	400	mg/L	0.0794	<400	102	44.9-171	5.64	40
2,4,6-Trichlorophenol	0.0792	U	2.00	mg/L	0.0794	<2.00	99.8	34.7-143	4.17	40
2,4-Dinitrotoluene (2,4-DNT)	0.0440	U	0.130	mg/L	0.0397	<0.130	111	50.3-144	3.27	40
2-Methylphenol (o-Cresol)	0.0783	U	200	mg/L	0.0794	<200	98.7	60-140	4.29	40
3,4-Methylphenol	0.147	L, U	200	mg/L	0.159	0.00267	90.7	43.4-188	3.49	40
Hexachlorobenzene	0.0338	U	0.130	mg/L	0.0397	<0.130	85.1	56.1-137	5.72	40
Hexachlorobutadiene	0.0307	U	0.500	mg/L	0.0397	<0.500	77.4	33.1-110	3.74	40
Hexachloroethane	0.0315	U	3.00	mg/L	0.0397	<3.00	79.3	36.2-106	9.29	40
Nitrobenzene	0.0446	U	2.00	mg/L	0.0397	<2.00	112	54.9-156	8.79	40
Pentachlorophenol	0.0941	U	100	mg/L	0.0794	<100	119	42.2-151	0.628	40
Pyridine	0.0746	U	5.00	mg/L	0.198	<5.00	37.6	2-87.4	14.1	40
Surrogate: 2-Fluorobiphenyl-surr			*0.0346*	*mg/L*	*0.0397*		*87.3*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0757*	*mg/L*	*0.0794*		*95.3*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0772*	*mg/L*	*0.0794*		*97.3*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0388*	*mg/L*	*0.0397*		*97.9*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0821*	*mg/L*	*0.0794*		*103*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0356*	*mg/L*	*0.0397*		*89.7*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2709 - EPA 200.2 TCLP										
Blank (BIA2709-BLK1)				Prepared: 01/23/2025 Analyzed: 01/24/2025						
Barium	<100	U	100	mg/L						
Chromium	<5.00	U	5.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						
Blank (BIA2709-BLK2)				Prepared: 01/23/2025 Analyzed: 01/29/2025						
Arsenic	<5.00	U	5.00	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
LCS (BIA2709-BS1)				Prepared: 01/23/2025 Analyzed: 01/24/2025						
Barium	0.546	U	100	mg/L	0.500		109	80-120		
Chromium	0.270	U	5.00	mg/L	0.250		108	80-120		
Lead	0.272	U	5.00	mg/L	0.250		109	80-120		
Selenium	0.548	U	1.00	mg/L	0.500		110	80-120		
Silver	0.0538	U	5.00	mg/L	0.0500		108	80-120		
LCS (BIA2709-BS2)				Prepared: 01/23/2025 Analyzed: 01/29/2025						
Arsenic	0.518	U	5.00	mg/L	0.500		104	80-120		
Cadmium	0.0520	U	1.00	mg/L	0.0500		104	80-120		
Duplicate (BIA2709-DUP1)		**Source: 25A3468-01**		Prepared: 01/23/2025 Analyzed: 01/24/2025						
Barium	0.439	U	100	mg/L		0.465			5.88	20
Chromium	0.00131	U	5.00	mg/L		<5.00			200	20
Lead	<5.00	U	5.00	mg/L		<5.00				20
Selenium	<1.00	U	1.00	mg/L		<1.00				20
Silver	<5.00	U	5.00	mg/L		<5.00				20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2709 - EPA 200.2 TCLP (Continued)										
Duplicate (BIA2709-DUP2)		**Source: 25A3468-01**			Prepared: 01/23/2025 Analyzed: 01/29/2025					
Arsenic	0.00518	U	5.00	mg/L		0.00689			28.3	20
Cadmium	<1.00	U	1.00	mg/L		<1.00				20
BIA2391-lbk1 (BIA2709-LBK1)					Prepared: 01/23/2025 Analyzed: 01/24/2025					
Barium	0.0452	U	100	mg/L						
Chromium	0.00292	U	5.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						
BIA2391-lbk1 (BIA2709-LBK2)					Prepared: 01/23/2025 Analyzed: 01/29/2025					
Arsenic	0.00796	U	5.00	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Matrix Spike (BIA2709-MS1)		**Source: 25A3468-01**			Prepared: 01/23/2025 Analyzed: 01/24/2025					
Barium	0.957	U	100	mg/L	0.500	0.465	98.4	75-125		
Chromium	0.253	U	5.00	mg/L	0.250	<5.00	101	75-125		
Lead	0.252	U	5.00	mg/L	0.250	<5.00	101	75-125		
Selenium	0.543	U	1.00	mg/L	0.500	<1.00	109	75-125		
Silver	0.0443	U	5.00	mg/L	0.0500	<5.00	88.6	75-125		
Matrix Spike (BIA2709-MS2)		**Source: 25A3468-01**			Prepared: 01/23/2025 Analyzed: 01/29/2025					
Arsenic	0.541	U	5.00	mg/L	0.500	0.00689	107	75-125		
Cadmium	0.0524	U	1.00	mg/L	0.0500	<1.00	105	75-125		
Post Spike (BIA2709-PS1)		**Source: 25A3468-01**			Prepared: 01/23/2025 Analyzed: 01/24/2025					
Barium	967			ug/L	500	454	103	80-120		
Chromium	254			ug/L	250	1.20	101	80-120		
Lead	250			ug/L	250	-1.98	99.8	80-120		
Selenium	541			ug/L	500	2.64	108	80-120		
Silver	55.0			ug/L	50.0	-0.341	110	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2709 - EPA 200.2 TCLP (Continued)										
Post Spike (BIA2709-PS2)		**Source: 25A3468-01**		Prepared: 01/23/2025 Analyzed: 01/29/2025						
Arsenic	547			ug/L	500	6.72	108	80-120		
Cadmium	52.8			ug/L	50.0	-0.0292	106	80-120		
Dilution Check (BIA2709-SRL1)		**Source: 25A3468-01**		Prepared: 01/23/2025 Analyzed: 01/24/2025						
Barium	0.449	U	100	mg/L		0.465			3.62	10
Chromium	<5.00	U	5.00	mg/L		<5.00				10
Lead	<5.00	U	5.00	mg/L		<5.00				10
Selenium	<1.00	U	1.00	mg/L		<1.00				10
Silver	<5.00	U	5.00	mg/L		<5.00				10
Dilution Check (BIA2709-SRL2)		**Source: 25A3468-01**		Prepared: 01/23/2025 Analyzed: 01/29/2025						
Arsenic	<5.00	U	5.00	mg/L		<5.00			200	10
Cadmium	<1.00	U	1.00	mg/L		<1.00				10
Batch: BIA2773 - SW-3511										
Blank (BIA2773-BLK1)				Prepared: 01/23/2025 Analyzed: 01/25/2025						
2,4-D	<0.000119	U	0.000119	mg/L						
Silvex (2,4,5-TP)	<0.000119	U	0.000119	mg/L						
Surrogate: DCAA-surr		*S*	*0.0351*	*mg/L*	*0.0250*		*140*	*70-130*		
LCS (BIA2773-BS1)				Prepared: 01/23/2025 Analyzed: 01/25/2025						
2,4-D	0.00701	J1, U	10.0	mg/L	0.00515		136	70-130		
Silvex (2,4,5-TP)	0.00553	U	1.00	mg/L	0.00500		111	70-130		
Surrogate: DCAA-surr		*S*	*0.0351*	*mg/L*	*0.0250*		*140*	*70-130*		
LCS Dup (BIA2773-BSD1)				Prepared: 01/23/2025 Analyzed: 01/25/2025						
2,4-D	0.00658	U	10.0	mg/L	0.00514		128	70-130	6	30
Silvex (2,4,5-TP)	0.00521	U	1.00	mg/L	0.00500		104	70-130	6	30
Surrogate: DCAA-surr			*0.0322*	*mg/L*	*0.0250*		*129*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2773 - SW-3511 (Continued)										
BIA2391-BLK1 (BIA2773-LBK1)					Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4-D	<0.000476	U	0.000476	mg/L						
Silvex (2,4,5-TP)	<0.000476	U	0.000476	mg/L						
Surrogate: DCAA-surr		*S*	*0.138*	*mg/L*	*0.0999*		*138*	*70-130*		
BIA2584-BLK1 (BIA2773-LBK2)					Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4-D	<0.000475	U	0.000475	mg/L						
Silvex (2,4,5-TP)	<0.000475	U	0.000475	mg/L						
Surrogate: DCAA-surr		*S*	*0.140*	*mg/L*	*0.0998*		*140*	*70-130*		
Matrix Spike (BIA2773-MS1)		**Source: 25A3401-01**			Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4-D	0.0286	J1, U	10.0	mg/L	0.0206	<10.0	139	70-130		
Silvex (2,4,5-TP)	0.0221	U	1.00	mg/L	0.0200	<1.00	111	70-130		
Surrogate: DCAA-surr			*0.123*	*mg/L*	*0.0999*		*123*	*70-130*		
Matrix Spike Dup (BIA2773-MSD1)		**Source: 25A3401-01**			Prepared: 01/23/2025 Analyzed: 01/25/2025					
2,4-D	0.0313	J1, U	10.0	mg/L	0.0205	<10.0	152	70-130	9	30
Silvex (2,4,5-TP)	0.0232	U	1.00	mg/L	0.0199	<1.00	116	70-130	5	30
Surrogate: DCAA-surr		*S*	*0.152*	*mg/L*	*0.0997*		*152*	*70-130*		
Batch: BIA2813 - SW-3511										
Blank (BIA2813-BLK1)					Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	<1.19E-6	U	1.19E-6	mg/L						
cis-Chlordane (alpha-Chlordane)	<1.19E-6	U	1.19E-6	mg/L						
Endrin	<1.19E-6	U	1.19E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<1.19E-6	U	1.19E-6	mg/L						
gamma-Chlordane	<1.19E-6	U	1.19E-6	mg/L						
Heptachlor	<1.19E-6	U	1.19E-6	mg/L						
Heptachlor epoxide	<1.19E-6	U	1.19E-6	mg/L						
Methoxychlor	<1.19E-6	U	1.19E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<1.19E-6	U	1.19E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.18E-5*	*mg/L*	*0.000119*		*60.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000127*	*mg/L*	*0.000119*		*107*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2813 - SW-3511 (Continued)										
LCS (BIA2813-BS1)					Prepared & Analyzed: 01/23/2025					
Toxaphene (Chlorinated Camphene)	0.000930	U	0.500	mg/L	0.00119		78.1	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*8.20E-5*	*mg/L*	*0.000119*		*68.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*9.49E-5*	*mg/L*	*0.000119*		*79.7*	*60-140*		
LCS (BIA2813-BS2)					Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	0.000391	U	0.0300	mg/L	0.000477		81.9	60-140		
Endrin	9.62E-5	U	0.0200	mg/L	0.000119		80.7	60-140		
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	8.96E-5	U	0.400	mg/L	0.000119		75.2	60-140		
Heptachlor	9.14E-5	U	0.00800	mg/L	0.000119		76.7	60-140		
Heptachlor epoxide	9.77E-5	U	0.00800	mg/L	0.000119		82.0	60-140		
Methoxychlor	0.000101	U	10.0	mg/L	0.000119		84.4	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.80E-5*	*mg/L*	*0.000119*		*65.4*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000114*	*mg/L*	*0.000119*		*95.8*	*60-140*		
LCS Dup (BIA2813-BSD1)					Prepared & Analyzed: 01/23/2025					
Toxaphene (Chlorinated Camphene)	0.000833	U	0.500	mg/L	0.00119		70.2	60-140	11.0	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.57E-5*	*mg/L*	*0.000119*		*63.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*8.41E-5*	*mg/L*	*0.000119*		*70.8*	*60-140*		
LCS Dup (BIA2813-BSD2)					Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	0.000367	U	0.0300	mg/L	0.000473		77.6	60-140	6.40	40
Endrin	0.000101	U	0.0200	mg/L	0.000118		85.7	60-140	5.07	40
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	8.64E-5	U	0.400	mg/L	0.000118		73.1	60-140	3.71	40
Heptachlor	7.82E-5	U	0.00800	mg/L	0.000118		66.2	60-140	15.6	40
Heptachlor epoxide	9.21E-5	U	0.00800	mg/L	0.000118		77.9	60-140	5.99	40
Methoxychlor	0.000113	U	10.0	mg/L	0.000118		95.4	60-140	11.4	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.58E-5*	*mg/L*	*0.000118*		*64.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000103*	*mg/L*	*0.000118*		*87.5*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2813 - SW-3511 (Continued)										
BIA2391-BLK1 (BIA2813-LBK1)					Prepared: 01/23/2025 Analyzed: 01/24/2025					
Chlordane (Total)	<0.0300	U	0.0300	mg/L						
Endrin	<5.96E-6	U	5.96E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<5.96E-6	U	5.96E-6	mg/L						
Heptachlor	<5.96E-6	U	5.96E-6	mg/L						
Heptachlor epoxide	<5.96E-6	U	5.96E-6	mg/L						
Methoxychlor	<5.96E-6	U	5.96E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<5.96E-6	U	5.96E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000400*	*mg/L*	*0.000596*		*67.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*0.000262*	*mg/L*	*0.000596*		*43.9*	*60-140*		
BIA2584-BLK1 (BIA2813-LBK2)					Prepared: 01/23/2025 Analyzed: 01/24/2025					
Chlordane (Total)	<5.99E-6	U	5.99E-6	mg/L						
Endrin	<5.99E-6	U	5.99E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<5.99E-6	U	5.99E-6	mg/L						
Heptachlor	<5.99E-6	U	5.99E-6	mg/L						
Heptachlor epoxide	<5.99E-6	U	5.99E-6	mg/L						
Methoxychlor	<5.99E-6	U	5.99E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<5.99E-6	U	5.99E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000396*	*mg/L*	*0.000599*		*66.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*0.000265*	*mg/L*	*0.000599*		*44.2*	*60-140*		
MRL Check (BIA2813-MRL1)					Prepared & Analyzed: 01/23/2025					
Toxaphene (Chlorinated Camphene)	0.000232	U	0.500	mg/L	0.000296		78.4			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr		*S*	*6.52E-5*	*mg/L*	*0.000118*		*55.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000118*	*mg/L*	*0.000118*		*99.2*	*60-140*		
MRL Check (BIA2813-MRL2)					Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	2.86E-5	U	0.0300	mg/L	4.76E-5		60.0			
Endrin	7.53E-6	U	0.0200	mg/L	1.19E-5		63.2			
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	7.11E-6	U	0.400	mg/L	1.19E-5		59.7			
Heptachlor	6.22E-6	U	0.00800	mg/L	1.19E-5		52.2			
Heptachlor epoxide	7.28E-6	U	0.00800	mg/L	1.19E-5		61.1			
Methoxychlor	7.84E-6	U	10.0	mg/L	1.19E-5		65.9			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.44E-5*	*mg/L*	*0.000119*		*62.5*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*9.36E-5*	*mg/L*	*0.000119*		*78.6*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2813 - SW-3511 (Continued)										
Matrix Spike (BIA2813-MS1)		**Source: 25A3468-01**			Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	0.00176	U	0.0300	mg/L	0.00240	<0.0300	73.4	60-140		
Endrin	0.000466	U	0.0200	mg/L	0.000599	<0.0200	77.8	60-140		
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000415	U	0.400	mg/L	0.000599	<0.400	69.2	60-140		
Heptachlor	0.000392	U	0.00800	mg/L	0.000599	<0.00800	65.5	60-140		
Heptachlor epoxide	0.000446	U	0.00800	mg/L	0.000599	<0.00800	74.5	60-140		
Methoxychlor	0.000530	U	10.0	mg/L	0.000599	<10.0	88.5	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr		*S*	*0.000295*	*mg/L*	*0.000599*		*49.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000405*	*mg/L*	*0.000599*		*67.7*	*60-140*		
Matrix Spike Dup (BIA2813-MSD1)		**Source: 25A3468-01**			Prepared & Analyzed: 01/23/2025					
Chlordane (Total)	0.00186	U	0.0300	mg/L	0.00240	<0.0300	77.5	60-140	5.66	40
Endrin	0.000479	U	0.0200	mg/L	0.000600	<0.0200	79.8	60-140	2.70	40
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000411	U	0.400	mg/L	0.000600	<0.400	68.5	60-140	0.944	40
Heptachlor	0.000400	U	0.00800	mg/L	0.000600	<0.00800	66.6	60-140	1.90	40
Heptachlor epoxide	0.000489	U	0.00800	mg/L	0.000600	<0.00800	81.5	60-140	9.13	40
Methoxychlor	0.000582	U	10.0	mg/L	0.000600	<10.0	97.0	60-140	9.36	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr		*S*	*0.000308*	*mg/L*	*0.000600*		*51.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000483*	*mg/L*	*0.000600*		*80.6*	*60-140*		
Batch: BIA2862 - SW-7471 TCLP										
Duplicate (BIA2862-DUP1)		**Source: 25A3468-01**			Prepared & Analyzed: 01/24/2025					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
Duplicate (BIA2862-DUP2)		**Source: 25A3613-01**			Prepared & Analyzed: 01/24/2025					
Mercury	<0.200	U	0.200	mg/L		<0.200				200

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2862 - SW-7471 TCLP (Continued)										
BIA2391-BLK1 (BIA2862-LBK1)					Prepared & Analyzed: 01/24/2025					
Mercury	<0.200	U	0.200	mg/L						
MDL Check (BIA2862-MRL1)					Prepared & Analyzed: 01/24/2025					
Mercury	0.000244	U	0.200	mg/L	0.000200		122			
Matrix Spike (BIA2862-MS1)		**Source: 25A3468-01**			Prepared & Analyzed: 01/24/2025					
Mercury	0.00490	U	0.200	mg/L	0.00500	<0.200	98.0	80-120		
Matrix Spike (BIA2862-MS2)		**Source: 25A3613-01**			Prepared & Analyzed: 01/24/2025					
Mercury	0.00523	U	0.200	mg/L	0.00500	<0.200	105	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Sample Condition Checklist

Work Order: 25A3468

Check Points	
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
02/11/2025 09:05

Term and Qualifier Definitions

Item	Definition
C+	The associated calibration QC is higher than the established quality control criteria for accuracy - no hit in sample; data not affected and acceptable to report.
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
L	Off scale high - The concentration of the analyte exceeds the linear range.
S	The surrogate recovery was outside the established laboratory recovery limit.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A3468

Lab PM : Aundra Noe	**Project Name** : Bilma - Non Potable - Sewage Sludge Annual	**Schedule Comments:**
H2O Innovation_Spring Natalia Espitia P.O. Box 2718 Spring, TX 77383 Phone: 281-353-9809	**Project Comments**: 5520 Winding Ridge Dr., 77379 Combo - 1982 Ron Stripling 713-887-7840 Email picture of chain to cs.compliance@h2oinnovation.com	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
25A3468-01	Digester		1/16/2025 1424	S Grab	A Glass 250mL w/ Teflon-lined Lid B HDPE IC 250mL C HDPE MET 250mL D HDPE WC 250mL E Glass Wide 1L w/ Teflon-lined Lid F HDPE 250mL G Glass VOA 60mL Protocol A	Arsenic ICP 6010	4°C	
						Arsenic ICP TCLP	4°C	
						Barium ICP TCLP	4°C	
						Cadmium ICP 6010	4°C	
						Cadmium ICP TCLP	4°C	
						Chromium ICP 6010	4°C	
						Chromium ICP TCLP	4°C	
						Copper ICP 6010	4°C	
						Hg-7471	4°C	
						Hg-7471-TCLP	4°C	
						Lead ICP 6010	4°C	
						Lead ICP TCLP	4°C	
						Molybdenum ICP 6010	4°C	
						Nickel ICP 6010	4°C	
						Potassium ICP 6010	4°C	
						Selenium ICP 6010	4°C	
						Selenium ICP TCLP	4°C	
						Silver ICP TCLP	4°C	
						Total Phosphorus ICP 6(	4°C	
						Zinc ICP 6010	4°C	
						HERB-TCLP	4°C	
						OCP-8081-TCLP	4°C	
						PCB-8082	4°C	
						SVOA-TCLP	4°C	
						TCLP Bottle	4°C	
						TCLP ZHE	4°C	
						VOA-TCLP	4°C	
						NH3-N T-350.2	4°C	
						Nitrate as N IC 9056	4°C	
						TKN T-351.3	4°C	
						TS-2540 G	4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A3468

(Continued)

Lab PM : Aundra Noe	**Project Name** : Bilma - Non Potable - Sewage Sludge Annual	**Schedule Comments:**
H2O Innovation_Spring Natalia Espitia P.O. Box 2718 Spring, TX 77383 Phone: 281-353-9809	**Project Comments**: 5520 Winding Ridge Dr., 77379 Combo - 1982 Ron Stripling 713-887-7840 Email picture of chain to cs.compliance@h2oinnovation.com	

Field Remarks:		**Lab Preservation: (Circle and Write ID Below)** H2SO4 HNO3 NaOH Other:		
Sampler (Signature) Cesar	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Cesar Guevara	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature) Cesar	Date/Time 1.16.25/1537	Received for Laboratory By: (Signature) KMC	Date/Time 1537 1.16.25

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID:

North West

Cinco Central WWTP

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com

March 28, 2025

Laboratory Report

Patrick Bond
Inframark
32259 Morton Road
Brookshire, TX 77423

Report ID: 20250328150631RLR

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Rebecca Rabon For Aundra Noe
Project Manager

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/28/2025 15:06

Sample Results

Client Sample ID: Digester
Lab Sample ID: 25C2318-01
Cinco Central - Quarterly Sludge Analysis 161

Sample Matrix: Solid
Date Collected: 03/11/2025 12:15
Collected by: Jimmy Andara

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
SW-6010C	Arsenic	A	2.08		mg/kg dry	1	0.326	1.48	BIC1697	03/24/2025 11:35	TBB
SW-6010C	Cadmium	A	0.273		mg/kg dry	1	0.0385	0.148	BIC1697	03/24/2025 11:35	TBB
SW-6010C	Chromium	A	6.51		mg/kg dry	1	0.557	0.744	BIC1697	03/24/2025 11:35	TBB
SW-6010C	Copper	A	117		mg/kg dry	20	3.17	29.7	BIC1697	03/24/2025 12:09	TBB
SW-7471B	Mercury	A	0.395		mg/kg dry	1	0.00892	0.0178	BIC1203	03/19/2025 12:07	KSI
SW-6010C	Lead	A	3.91		mg/kg dry	1	0.378	0.744	BIC1697	03/24/2025 11:35	TBB
SW-6010C	Molybdenum	A	3.50		mg/kg dry	1	0.744	0.744	BIC1697	03/24/2025 11:35	TBB
SW-6010C	Nickel	A	6.46		mg/kg dry	1	0.201	0.744	BIC1697	03/24/2025 11:35	TBB
SW-6010C	Potassium	A	2570		mg/kg dry	1	12.7	148	BIC1697	03/27/2025 11:55	JBM
SW-6010C	Selenium	A	4.59		mg/kg dry	1	0.579	1.48	BIC1697	03/24/2025 11:35	TBB
SW-6010C	Total Phosphorus	A	6590		mg/kg dry	1	6.24	148	BIC1697	03/24/2025 11:35	TBB
SW-6010C	Zinc	A	335		mg/kg dry	20	14.9	14.9	BIC1697	03/24/2025 12:09	TBB
General Chemistry											
EPA 350.2	Ammonia as N	A	6450		mg/kg dry	1	442	883	BIC1456	03/13/2025 11:57	ENR
SW-9056A	Nitrate as N	A	<5.57	U	mg/kg dry	1	2.23	5.57	BIC1316	03/12/2025 04:46	AOJ
EPA 351.3	Total Kjeldahl Nitrogen - (TKN)	N	62700		mg/kg dry	1	222	222	BIC1615	03/14/2025 11:55	ENR
SM 2540 G	% Solids	A	2.24		%	1	0.100	0.100	BIC1496	03/13/2025 09:04	BP

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/28/2025 15:06

Quality Control

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC1203 - SW-7471										
MDL Check (BIC1203-MRL1)					Prepared & Analyzed: 03/19/2025					
Mercury	0.0103	U	0.0199	mg/kg wet	0.00995		104			
Matrix Spike (BIC1203-MS1)		**Source: 25B2215-15**			Prepared & Analyzed: 03/19/2025					
Mercury	0.479		0.0311	mg/kg dry	0.389	0.0237	117	80-120		
Matrix Spike (BIC1203-MS2)		**Source: 25C2621-01**			Prepared & Analyzed: 03/19/2025					
Mercury	0.634	J1	0.143	mg/kg dry	0.358	0.364	75.4	80-120		
Matrix Spike Dup (BIC1203-MSD1)		**Source: 25B2215-15**			Prepared & Analyzed: 03/19/2025					
Mercury	0.484		0.0312	mg/kg dry	0.390	0.0237	118	80-120	1.06	20
Matrix Spike Dup (BIC1203-MSD2)		**Source: 25C2621-01**			Prepared & Analyzed: 03/19/2025					
Mercury	0.693		0.143	mg/kg dry	0.358	0.364	91.9	80-120	8.96	20
Batch: BIC1697 - SW-3050 for 6010										
Blank (BIC1697-BLK1)					Prepared: 03/13/2025 Analyzed: 03/24/2025					
Arsenic	<1.96	U	1.96	mg/kg wet						
Cadmium	<0.196	U	0.196	mg/kg wet						
Chromium	<0.985	U	0.985	mg/kg wet						
Copper	<1.96	U	1.96	mg/kg wet						
Lead	<0.985	U	0.985	mg/kg wet						
Molybdenum	<0.985	U	0.985	mg/kg wet						
Nickel	<0.985	U	0.985	mg/kg wet						
Potassium	<196	U	196	mg/kg wet						
Selenium	<1.96	U	1.96	mg/kg wet						
Total Phosphorus	<196	U	196	mg/kg wet						
Zinc	<0.985	U	0.985	mg/kg wet						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/28/2025 15:06

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC1697 - SW-3050 for 6010 (Continued)										
LCS (BIC1697-BS1)					Prepared: 03/13/2025 Analyzed: 03/24/2025					
Arsenic	47.7		1.99	mg/kg wet	49.9		95.6	80-120		
Cadmium	4.88		0.199	mg/kg wet	4.99		97.7	80-120		
Chromium	23.9		1.00	mg/kg wet	24.9		95.7	80-120		
Copper	47.9		1.99	mg/kg wet	49.9		96.0	80-120		
Lead	24.1		1.00	mg/kg wet	24.9		96.7	80-120		
Molybdenum	23.5		1.00	mg/kg wet	24.9		94.4	80-120		
Nickel	23.6		1.00	mg/kg wet	24.9		94.7	80-120		
Potassium	5300		199	mg/kg wet	4990		106	80-120		
Selenium	48.4		1.99	mg/kg wet	49.9		97.1	80-120		
Total Phosphorus	5050		199	mg/kg wet	4990		101	80-120		
Zinc	24.0		1.00	mg/kg wet	24.9		96.3	80-120		
Matrix Spike (BIC1697-MS1)		**Source: 25B4329-01**			Prepared: 03/13/2025 Analyzed: 03/24/2025					
Arsenic	149		6.03	mg/kg dry	151	10.5	91.6	75-125		
Cadmium	14.8		0.603	mg/kg dry	15.1	0.497	94.5	75-125		
Chromium	74.5		3.03	mg/kg dry	75.5	14.2	79.9	75-125		
Copper	3000		302	mg/kg dry	3170	223	87.5	75-125		
Lead	73.6		3.03	mg/kg dry	75.5	10.1	84.1	75-125		
Molybdenum	71.2		3.03	mg/kg dry	75.5	7.58	84.2	75-125		
Nickel	72.3		3.03	mg/kg dry	75.5	10.1	82.4	75-125		
Potassium	26700		603	mg/kg dry	15100	11300	102	75-125		
Selenium	150		6.03	mg/kg dry	151	10.6	92.1	75-125		
Total Phosphorus	42100		30200	mg/kg dry	30200	18800	77.1	75-125		
Zinc	3410		151	mg/kg dry	3090	819	83.7	75-125		
Matrix Spike Dup (BIC1697-MSD1)		**Source: 25B4329-01**			Prepared: 03/13/2025 Analyzed: 03/24/2025					
Arsenic	159		6.03	mg/kg dry	151	10.5	98.3	75-125	6.60	20
Cadmium	15.9		0.603	mg/kg dry	15.1	0.497	102	75-125	7.20	20
Chromium	87.1		3.03	mg/kg dry	75.5	14.2	96.6	75-125	15.6	20
Copper	3190		302	mg/kg dry	3170	223	93.7	75-125	6.37	20
Lead	82.9		3.03	mg/kg dry	75.5	10.1	96.4	75-125	11.9	20
Molybdenum	78.1		3.03	mg/kg dry	75.5	7.58	93.4	75-125	9.27	20
Nickel	83.1		3.03	mg/kg dry	75.5	10.1	96.7	75-125	13.9	20
Potassium	28600		603	mg/kg dry	15100	11300	115	75-125	6.99	20
Selenium	163		6.03	mg/kg dry	151	10.6	101	75-125	8.75	20
Total Phosphorus	49400		30200	mg/kg dry	30200	18800	101	75-125	15.9	20
Zinc	4020		151	mg/kg dry	3090	819	104	75-125	16.5	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/28/2025 15:06

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC1697 - SW-3050 for 6010 (Continued)										
Post Spike (BIC1697-PS1)		**Source: 25B4329-01**			Prepared: 03/13/2025 Analyzed: 03/24/2025					
Arsenic	523			ug/L	500	66.1	91.5	80-120		
Cadmium	50.5			ug/L	50.0	3.13	94.7	80-120		
Chromium	282	J1		ug/L	250	89.5	77.0	80-120		
Copper	11000			ug/L	10500	1410	91.8	80-120		
Lead	272			ug/L	250	63.8	83.1	80-120		
Molybdenum	255			ug/L	250	47.8	83.0	80-120		
Nickel	267			ug/L	250	63.5	81.5	80-120		
Selenium	535			ug/L	500	66.6	93.6	80-120		
Total Phosphorus	164000	J1		ug/L	100000	119000	45.4	80-120		
Zinc	13500			ug/L	10200	5160	80.9	80-120		
Post Spike (BIC1697-PS2)		**Source: 25B4329-01**			Prepared: 03/13/2025 Analyzed: 03/27/2025					
Potassium	86700	J1		ug/L	50000	71300	30.7	80-120		
Dilution Check (BIC1697-SRL1)		**Source: 25B4329-01**			Prepared: 03/13/2025 Analyzed: 03/24/2025					
Arsenic	16.9	U	30.1	mg/kg dry		10.5			46.9	10
Cadmium	<3.01	U	3.01	mg/kg dry		<3.01			200	10
Chromium	15.1	U	15.1	mg/kg dry		14.2			5.85	10
Copper	219		30.1	mg/kg dry		223			1.95	10
Lead	15.6		15.1	mg/kg dry		10.1			42.8	10
Molybdenum	<15.1	U	15.1	mg/kg dry		<15.1			200	10
Nickel	12.2	U	15.1	mg/kg dry		10.1			19.2	10
Potassium	10600		3010	mg/kg dry		11300			6.31	10
Selenium	13.7	U	30.1	mg/kg dry		<30.1			25.5	10
Total Phosphorus	19700		3010	mg/kg dry		18800			4.38	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/28/2025 15:06

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC1316 - Solid Anions No Prep										
Duplicate (BIC1316-DUP1)		**Source: 25C2318-01**		Prepared: 03/11/2025 Analyzed: 03/12/2025						
Nitrate as N	<5.57	U	5.57	mg/kg dry		<5.57				15
MRL Check (BIC1316-MRL1)				Prepared: 03/11/2025 Analyzed: 03/12/2025						
Nitrate as N	0.114	U	0.125	mg/kg wet	0.100		114	50-150		
Matrix Spike (BIC1316-MS1)		**Source: 25C2318-01**		Prepared: 03/11/2025 Analyzed: 03/12/2025						
Nitrate as N	119		6.19	mg/kg dry	99.1	<6.19	120	80-120		
Batch: BIC1456 - NH3-N T										
Blank (BIC1456-BLK1)				Prepared: 03/12/2025 Analyzed: 03/13/2025						
Ammonia as N	<9.94	U	9.94	mg/kg wet						
LCS (BIC1456-BS1)				Prepared: 03/12/2025 Analyzed: 03/13/2025						
Ammonia as N	96.5		9.93	mg/kg wet	99.3		97.2	85-115		
Duplicate (BIC1456-DUP1)		**Source: 25C2177-01**		Prepared: 03/12/2025 Analyzed: 03/13/2025						
Ammonia as N	3310		1620	mg/kg dry		3160			4.59	20
MRL Check (BIC1456-MRL1)				Prepared: 03/12/2025 Analyzed: 03/13/2025						
Ammonia as N	7.26	U	9.97	mg/kg wet	9.97		72.8	50-150		
Matrix Spike (BIC1456-MS1)		**Source: 25C2177-01**		Prepared: 03/12/2025 Analyzed: 03/13/2025						
Ammonia as N	15000	J1	1610	mg/kg dry	16100	3160	73.6	85-115		
Batch: BIC1496 - Percent Solids										
Blank (BIC1496-BLK1)				Prepared: 03/12/2025 Analyzed: 03/13/2025						
% Solids	<0.100	U	0.100	%						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/28/2025 15:06

Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC1496 - Percent Solids (Continued)										
Duplicate (BIC1496-DUP1)		**Source: 25C2316-01**			Prepared: 03/12/2025 Analyzed: 03/13/2025					
% Solids	2.23		0.100	%		2.25			0.649	10
Duplicate (BIC1496-DUP2)		**Source: 25C2489-10**			Prepared: 03/12/2025 Analyzed: 03/13/2025					
% Solids	0.798		0.100	%		0.797			0.0899	20
Reference (BIC1496-SRM1)					Prepared: 03/12/2025 Analyzed: 03/13/2025					
% Solids	0.361		0.100	%	0.338		107	86.1-114		
Batch: BIC1615 - TKN T										
Blank (BIC1615-BLK1)					Prepared: 03/13/2025 Analyzed: 03/14/2025					
Total Kjeldahl Nitrogen - (TKN)	<9.92	U	9.92	mg/kg wet						
LCS (BIC1615-BS1)					Prepared: 03/13/2025 Analyzed: 03/14/2025					
Total Kjeldahl Nitrogen - (TKN)	21.9		9.77	mg/kg wet	25.4		86.2	85-115		
Duplicate (BIC1615-DUP1)		**Source: 25C2318-01**			Prepared: 03/13/2025 Analyzed: 03/14/2025					
Total Kjeldahl Nitrogen - (TKN)	77500	J1	222	mg/kg dry		62700			21.1	20
MRL Check (BIC1615-MRL1)					Prepared: 03/13/2025 Analyzed: 03/14/2025					
Total Kjeldahl Nitrogen - (TKN)	37.0		9.73	mg/kg wet	38.9		95.2	50-150		
Matrix Spike (BIC1615-MS1)		**Source: 25C2318-01**			Prepared: 03/13/2025 Analyzed: 03/14/2025					
Total Kjeldahl Nitrogen - (TKN)	77600	J1	221	mg/kg dry	883	62700	NR	85-115		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/28/2025 15:06

Sample Condition Checklist

Work Order: 25C2318

	Check Points
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/28/2025 15:06

Term and Qualifier Definitions

Item	Definition
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25C2318

Lab PM : Aundra Noe	**Project Name** : Cinco Central - Quarterly Sludge Analysis	**Schedule Comments:**
Inframark Patrick Bond 32259 Morton Road Brookshire, TX 77423 Phone: (281) 505-0452	**Project Comments**: 22615 Westheimer Pkwy ***IMPORTANT*** You must use the client's sample stick on-site to collect the effluent fecal samples! Building Code & Sampler Combo: 5170 Carl Mauldin 281-960-9702 Russell Piper 832-404-0105	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
25C2318-01	Digester		3/11/2025/12:15	S Grab	A HDPE IC 250mL B HDPE MET 250mL C HDPE WC 250mL D HDPE 250mL	Arsenic ICP 6010 4°C Cadmium ICP 6010 4°C Chromium ICP 6010 4°C Copper ICP 6010 4°C Hg-7471 4°C Lead ICP 6010 4°C Molybdenum ICP 6010 4°C Nickel ICP 6010 4°C Potassium ICP 6010 4°C Selenium ICP 6010 4°C Total Phosphorus ICP 6(4°C Zinc ICP 6010 4°C NH3-N T-350.2 4°C Nitrate as N IC 9056 4°C TKN T-351.3 4°C TS-2540 G 4°C	

Field Remarks:

Lab Preservation: (Circle and Write ID Below) H2SO4 HNO3 NaOH Other: _____

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Jimmy Andara	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time: 3-11-25/16:30	Received for Laboratory By: (Signature): MAP	Date/Time: 3/11/25 16:30

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: _____ °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID: _____

Katy South

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

March 27, 2025

LABORATORY REPORT

Patrick Bond
Inframark
32259 Morton Road
Brookshire, TX 77423

Report ID: 20250327164053RLR

RE: Cinco Central - Non Potable - Quarterly Class B

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Rebecca Rabon For Aundra Noe
Project Manager

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Inframark	Project: Cinco Central - Non Potable - Quarterly Class B	
32259 Morton Road	Project Number: 161	**Reported:**
Brookshire, TX 77423	Project Manager: Patrick Bond	03/27/2025 16:40

Sample Results

Client Sample ID: Digester
Lab Sample ID: 25C2316-01

Sample Matrix: Solid
Date Collected: 03/11/2025 12:15
Collected by: Jimmy Andara

Method	Analyte	Result	Q	Units	Batch	Date Analyzed	Analyst
Colilert-18	Fecal coliforms	578000		MPN/g TS dry	BIC1315	03/12/2025 11:45	ARC
Colilert-18	Fecal coliforms	465000		MPN/g TS dry	BIC1315	03/12/2025 11:45	ARC
Colilert-18	Fecal coliforms	535000		MPN/g TS dry	BIC1315	03/12/2025 11:45	ARC
Colilert-18	Fecal coliforms	498000		MPN/g TS dry	BIC1315	03/12/2025 11:45	ARC
Colilert-18	Fecal coliforms	770000		MPN/g TS dry	BIC1315	03/12/2025 11:45	ARC
Colilert-18	Fecal coliforms	578000		MPN/g TS dry	BIC1315	03/12/2025 11:45	ARC
Colilert-18	Fecal coliforms	535000		MPN/g TS dry	BIC1315	03/12/2025 11:45	ARC
SM 2710 B	Specific Oxygen Uptake Rate (SOUR)	0.694		mg O2/hr/g TS @ 20°C dry	BIC1340	03/12/2025 08:59	FPN
SM 2550 B	Temperature °C Field	21.7		°C	BIC1441	03/11/2025 12:15	JMY
SM 2540 G	% Solids	2.25		%	BIC1496	03/13/2025 09:04	BP

The total solids is diluted to <=2.0% for the S.O.U.R. test when necessary.

CLASS B - Pass

Per Title 30, Texas Administrative Code, Chapter 312, for a Class B to pass, the fecal coliform geometric mean must be less than or equal to 2,000,000 CFU/ug TS and the S.O.U.R must be less than or equal to 1.5 mg O2/hr/g TS.

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Inframark	Project: Cinco Central - Non Potable - Quarterly Class B	
32259 Morton Road	Project Number: 161	**Reported:**
Brookshire, TX 77423	Project Manager: Patrick Bond	03/27/2025 16:40

Quality Control

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC1496 - Percent Solids										
Blank (BIC1496-BLK1)					Prepared: 03/12/2025 Analyzed: 03/13/2025					
% Solids	<0.100	U	0.100	%						
Duplicate (BIC1496-DUP1)			**Source: 25C2316-01**		Prepared: 03/12/2025 Analyzed: 03/13/2025					
% Solids			0.100	%		2.25			0.649	10
Duplicate (BIC1496-DUP2)			**Source: 25C2489-10**		Prepared: 03/12/2025 Analyzed: 03/13/2025					
% Solids			0.100	%		0.797			0.0899	20
Reference (BIC1496-SRM1)					Prepared: 03/12/2025 Analyzed: 03/13/2025					
% Solids			0.100	%	0.338		107	86.1-114		

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Inframark	Project: Cinco Central - Non Potable - Quarterly Class B	
32259 Morton Road	Project Number: 161	**Reported:**
Brookshire, TX 77423	Project Manager: Patrick Bond	03/27/2025 16:40

Quality Control
(Continued)

Microbiology

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC1315 - FC Quantitray										
Blank (BIC1315-BLK1)				Prepared: 03/11/2025 Analyzed: 03/12/2025						
Fecal coliforms	<10.0	U	10.0	MPN/g TS wet						
Duplicate (BIC1315-DUP1)	**Source: 25C2316-01**			Prepared: 03/11/2025 Analyzed: 03/12/2025						
Fecal coliforms			445	MPN/g TS dry		578000			8.40	200

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Inframark	Project: Cinco Central - Non Potable - Quarterly Class B	
32259 Morton Road	Project Number: 161	**Reported:**
Brookshire, TX 77423	Project Manager: Patrick Bond	03/27/2025 16:40

Term and Qualfier Definitions

Item	Definition
U	Non-detected compound.
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25C2316

Lab PM : Aundra Noe	**Project Name** : Cinco Central - Non Potable - Quarterly Class B	**Schedule Comments**:
Inframark Patrick Bond 32259 Morton Road Brookshire, TX 77423 Phone: (281) 505-0452	**Project Comments**: 22615 Westheimer Pkwy ***IMPORTANT*** You must use the client's sample stick on-site to collect the effluent fecal samples! Building Code & Sampler Combo: 5170 Carl Mauldin 281-960-9702 Russell Piper 832-404-0105	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
25C2316-01	Digester	A HDPE S150mL Na2S2O3 B HDPE S150mL Na2S2O3 C HDPE S150mL Na2S2O3 D HDPE S150mL Na2S2O3 E HDPE S150mL Na2S2O3 F HDPE S150mL Na2S2O3 G HDPE S150mL Na2S2O3 H Glass 1L I HDPE 250mL	3/11/2025 12:15	S Grab	A HDPE S150mL Na2S2O3 B HDPE S150mL Na2S2O3 C HDPE S150mL Na2S2O3 D HDPE S150mL Na2S2O3 E HDPE S150mL Na2S2O3 F HDPE S150mL Na2S2O3 G HDPE S150mL Na2S2O3 H Glass 1L I HDPE 250mL	FC/CB-QT-LR Na2S2O3 <10°C SOUR-2710 4°C SOUR TS-2540 G 4°C TS-2540 G 4°C		Temp C Field 21.7°C

Field Remarks:		**Lab Preservation: (Circle and Write ID Below)** H2SO4 HNO3 NaOH Other:		
Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Jimmy Andara	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature)	Date/Time 3-11-25/16:30	Received for Laboratory By: (Signature) MAP	Date/Time 3/11/25 16:30

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID:

Katy South

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com

October 18, 2023

Laboratory Report

Patrick Bond
Inframark
32259 Morton Road
Brookshire, TX 77423

Report ID: 20231018135451AEN

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Aundra Noe For Deena Higginbotham
Director of Client Services

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Sample Results

Client Sample ID: Digester
Lab Sample ID: 23I2414-01
Cinco Central - Annual TCLP/PCB 161

Sample Matrix: Solid
Date Collected: 09/12/2023 10:35
Collected by: Andrew Rodriguez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Organics by GC											
SW-8082	PCBs, Total	A	<1.12	U	mg/kg (dry wt) dry	10	0.560	1.12	BGI3822	09/29/2023 01:23	ALA
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*82.6%*		*60-140*					*09/29/2023 01:23*	
SW-8082	*Surrogate: Decachlorobiphenyl-surr*		*109%*		*60-140*					*09/29/2023 01:23*	
General Chemistry											
SM 2540 G	% Solids	A	1.79	V	%	1	0.100	0.100	BGI1565	09/13/2023 10:50	JRU
TCLP											
SW-6010C	Arsenic	A	<5.00	U	mg/L	1	0.0200	5.00	BGI2600	09/19/2023 13:12	FAA
SW-6010C	Barium	A	<100	V2, U	mg/L	1	0.0100	100	BGI2600	09/19/2023 13:12	FAA
SW-6010C	Cadmium	A	<1.00	U	mg/L	1	0.00100	1.00	BGI2600	09/19/2023 13:12	FAA
SW-6010C	Chromium	A	<5.00	U	mg/L	1	0.00500	5.00	BGI2600	09/19/2023 13:12	FAA
SW-8151	2,4-D	A	<10.0	U	mg/L	2	0.000476	10.0	BGI3553	09/28/2023 22:05	KRB
SW-8151	Silvex (2,4,5-TP)	A	<1.00	U	mg/L	2	0.000476	1.00	BGI3553	09/28/2023 22:05	KRB
SW-8151	*Surrogate: DCAA-surr*		*75%*		*70-130*					*09/28/2023 22:05*	
SW-7471B	Mercury	A	<0.200	U	mg/L	1	0.000200	0.200	BGI2992	09/20/2023 15:24	AKR
SW-6010C	Lead	A	<5.00	U	mg/L	1	0.0100	5.00	BGI2600	09/19/2023 13:12	FAA
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*109%*		*60-140*					*09/25/2023 22:52*	
SW-8081	*Surrogate: Decachlorobiphenyl-surr*		*70.4%*		*60-140*					*09/25/2023 22:52*	
SW-6010C	Selenium	A	<1.00	U	mg/L	1	0.0200	1.00	BGI2600	09/19/2023 13:12	FAA
SW-6010C	Silver	A	<5.00	U	mg/L	1	0.00200	5.00	BGI2600	09/19/2023 13:12	FAA
SW-8270	2,4,5-Trichlorophenol	A	<400	U	mg/L	1	0.00250	400	BGI3552	09/28/2023 02:07	KRB
SW-8270	2,4,6-Trichlorophenol	A	<2.00	U	mg/L	1	0.00250	2.00	BGI3552	09/28/2023 02:07	KRB
SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	U	mg/L	1	0.00250	0.130	BGI3552	09/28/2023 02:07	KRB
SW-8270	2-Methylphenol	A	<200	U	mg/L	1	0.00250	200	BGI3552	09/28/2023 02:07	KRB
SW-8270	3,4-Methylphenol	A	<200	U	mg/L	1	0.00250	200	BGI3552	09/28/2023 02:07	KRB
SW-8270	Hexachlorobenzene	A	<0.130	U	mg/L	1	0.00250	0.130	BGI3552	09/28/2023 02:07	KRB
SW-8270	Hexachlorobutadiene	A	<0.500	U	mg/L	1	0.00250	0.500	BGI3552	09/28/2023 02:07	KRB
SW-8270	Hexachloroethane	A	<3.00	U	mg/L	1	0.00250	3.00	BGI3552	09/28/2023 02:07	KRB
SW-8270	Nitrobenzene	A	<2.00	U	mg/L	1	0.00250	2.00	BGI3552	09/28/2023 02:07	KRB
SW-8270	Pentachlorophenol	A	<100	U	mg/L	1	0.00250	100	BGI3552	09/28/2023 02:07	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*		*90.7%*		*54.6-148*					*09/28/2023 02:07*	
SW-8270	*Surrogate: 2-Fluorophenol-surr*		*65.1%*		*55-152*					*09/28/2023 02:07*	
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*		*125%*		*52.4-136*					*09/28/2023 02:07*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr*		*99.4%*		*52-162*					*09/28/2023 02:07*	
SW-8270	*Surrogate: Phenol-d5-surr*		*84.0%*		*58.7-152*					*09/28/2023 02:07*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr*		*86.7%*		*51.9-147*					*09/28/2023 02:07*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Sample Results
(Continued)

Client Sample ID: Digester
Lab Sample ID: 23I2414-01RE1
Cinco Central - Annual TCLP/PCB 161

Sample Matrix: Solid
Date Collected: 09/12/2023 10:35
Collected by: Andrew Rodriguez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP											
SW-8270	Pyridine (Rerun)	A	<5.00	U	mg/L	1	0.00250	5.00	BGI3552	09/28/2023 13:37	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr (Rerun)*		*91.1%*		*54.6-148*					*09/28/2023 13:37*	
SW-8270	*Surrogate: 2-Fluorophenol-surr (Rerun)*		*90.5%*		*55-152*					*09/28/2023 13:37*	
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr (Rerun*		*118%*		*52.4-136*					*09/28/2023 13:37*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr (Rerun)*		*69.7%*		*52-162*					*09/28/2023 13:37*	
SW-8270	*Surrogate: Phenol-d5-surr (Rerun)*		*95.9%*		*58.7-152*					*09/28/2023 13:37*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr (Rerun)*		*85.0%*		*51.9-147*					*09/28/2023 13:37*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Quality Control

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BGI3822 - SW-3570										
Blank (BGI3822-BLK1)				Prepared: 9/21/2022 Analyzed: 9/28/2023						
Aroclor-1016 (PCB-1016)	<0.0200	U	0.0200	mg/kg (dry wt) wet						
Aroclor-1260 (PCB-1260)	<0.0200	U	0.0200	mg/kg (dry wt) wet						
PCBs, Total	<0.0200	U	0.0200	mg/kg (dry wt) wet						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.00463*	*mg/kg (dry wt) wet*	*0.00600*		*77.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.00574*	*mg/kg (dry wt) wet*	*0.00600*		*95.6*	*60-140*		
LCS (BGI3822-BS1)				Prepared: 9/21/2022 Analyzed: 9/28/2023						
Aroclor-1016 (PCB-1016)	0.0551		0.0200	mg/kg (dry wt) wet	0.0600		91.9	60-140		
Aroclor-1260 (PCB-1260)	0.0481		0.0200	mg/kg (dry wt) wet	0.0600		80.1	60-140		
PCBs, Total	0.0494		0.0200	mg/kg (dry wt) wet	0.0600		82.3	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.00496*	*mg/kg (dry wt) wet*	*0.00600*		*82.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.00612*	*mg/kg (dry wt) wet*	*0.00600*		*102*	*60-140*		
LCS Dup (BGI3822-BSD1)				Prepared: 9/21/2022 Analyzed: 9/28/2023						
Aroclor-1016 (PCB-1016)	0.0538		0.0200	mg/kg (dry wt) wet	0.0600		89.6	60-140	2.49	40
Aroclor-1260 (PCB-1260)	0.0486		0.0200	mg/kg (dry wt) wet	0.0600		81.0	60-140	1.16	40
PCBs, Total	0.0496		0.0200	mg/kg (dry wt) wet	0.0600		82.7	60-140	0.395	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.00453*	*mg/kg (dry wt) wet*	*0.00600*		*75.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.00635*	*mg/kg (dry wt) wet*	*0.00600*		*106*	*60-140*		
Matrix Spike (BGI3822-MS1)		**Source: 23I3053-01**		Prepared: 9/21/2022 Analyzed: 9/28/2023						
Aroclor-1016 (PCB-1016)	1.90		0.759	mg/kg (dry wt) dry	2.28	<0.759	83.4	60-140		
Aroclor-1260 (PCB-1260)	1.79		0.759	mg/kg (dry wt) dry	2.28	<0.759	78.7	60-140		
PCBs, Total	1.81		0.759	mg/kg (dry wt) dry	2.28	<0.759	79.6	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.199*	*mg/kg (dry wt) dry*	*0.228*		*87.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.237*	*mg/kg (dry wt) dry*	*0.228*		*104*	*60-140*		
Matrix Spike Dup (BGI3822-MSD1)		**Source: 23I3053-01**		Prepared: 9/21/2022 Analyzed: 9/29/2023						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BGI3822 - SW-3570 (Continued)										
Matrix Spike Dup (BGI3822-MSD1)		**Source: 23I3053-01**			Prepared: 9/21/2022 Analyzed: 9/29/2023					
Aroclor-1016 (PCB-1016)	2.09		0.759	mg/kg (dry wt) dry	2.28	<0.759	92.0	60-140	9.79	40
Aroclor-1260 (PCB-1260)	1.87		0.759	mg/kg (dry wt) dry	2.28	<0.759	82.3	60-140	4.49	40
PCBs, Total	1.92		0.759	mg/kg (dry wt) dry	2.28	<0.759	84.1	60-140	5.59	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.214*	*mg/kg (dry wt) dry*	*0.228*		*94.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.252*	*mg/kg (dry wt) dry*	*0.228*		*111*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BGI1565 - Percent Solids										
Blank (BGI1565-BLK1)					Prepared: 9/12/2023 Analyzed: 9/13/2023					
% Solids	<0.100	U	0.100	%						
Duplicate (BGI1565-DUP1)		**Source: 23I2417-01**			Prepared: 9/12/2023 Analyzed: 9/13/2023					
% Solids	1.75		0.100	%		1.74			0.960	20
Duplicate (BGI1565-DUP2)		**Source: 23I2553-04**			Prepared: 9/12/2023 Analyzed: 9/13/2023					
% Solids	1.79		0.100	%		1.84			2.75	20
Reference (BGI1565-SRM1)					Prepared: 9/12/2023 Analyzed: 9/13/2023					
% Solids	0.350		0.100	%	0.350		99.9	78.9-118		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Quality Control
(Continued)

TCLP

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BGI2600 - EPA 200.2 TCLP										
Blank (BGI2600-BLK1)					Prepared: 9/18/2023 Analyzed: 9/19/2023					
Arsenic	<5.00	U	5.00	mg/L						
Barium	<100	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Chromium	<5.00	U	5.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						
LCS (BGI2600-BS1)					Prepared: 9/18/2023 Analyzed: 9/19/2023					
Arsenic	0.503	U	5.00	mg/L	0.500		101	80-120		
Barium	0.504	U	100	mg/L	0.500		101	80-120		
Cadmium	0.0497	U	1.00	mg/L	0.0500		99.5	80-120		
Chromium	0.250	U	5.00	mg/L	0.250		99.9	80-120		
Lead	0.254	U	5.00	mg/L	0.250		102	80-120		
Selenium	0.501	U	1.00	mg/L	0.500		100	80-120		
Silver	0.0497	U	5.00	mg/L	0.0500		99.5	80-120		
Duplicate (BGI2600-DUP1)	**Source: 23I2735-01**				Prepared: 9/18/2023 Analyzed: 9/19/2023					
Arsenic	<5.00	U	5.00	mg/L		<5.00				20
Barium	1.71	U	100	mg/L		1.65			3.49	20
Cadmium	<1.00	U	1.00	mg/L		<1.00				20
Chromium	<5.00	U	5.00	mg/L		<5.00				20
Lead	<5.00	U	5.00	mg/L		<5.00				20
Selenium	<1.00	U	1.00	mg/L		<1.00				20
Silver	<5.00	U	5.00	mg/L		<5.00				20
BGI2451-BLK1 (BGI2600-LBK1)					Prepared: 9/18/2023 Analyzed: 9/19/2023					
Arsenic	<5.00	U	5.00	mg/L						
Barium	0.842	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Chromium	<5.00	U	5.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BGI2600 - EPA 200.2 TCLP (Continued)										
Matrix Spike (BGI2600-MS1)	**Source: 23I2735-01**				Prepared: 9/18/2023 Analyzed: 9/19/2023					
Arsenic	0.538	U	5.00	mg/L	0.500	<5.00	108	75-125		
Barium	2.20	U	100	mg/L	0.500	1.65	109	75-125		
Cadmium	0.0516	U	1.00	mg/L	0.0500	<1.00	103	75-125		
Chromium	0.245	U	5.00	mg/L	0.250	<5.00	98.2	75-125		
Lead	0.251	U	5.00	mg/L	0.250	<5.00	100	75-125		
Selenium	0.523	U	1.00	mg/L	0.500	<1.00	105	75-125		
Silver	0.0422	U	5.00	mg/L	0.0500	<5.00	84.5	75-125		
Post Spike (BGI2600-PS1)	**Source: 23I2735-01**				Prepared: 9/18/2023 Analyzed: 9/19/2023					
Arsenic	545			ug/L	500	10.2	107	80-120		
Barium	2190			ug/L	500	1610	116	80-120		
Cadmium	53.4			ug/L	50.0	0.156	106	80-120		
Chromium	252			ug/L	250	0.0975	101	80-120		
Lead	256			ug/L	250	3.44	101	80-120		
Selenium	526			ug/L	500	3.67	105	80-120		
Silver	52.7			ug/L	50.0	0.546	104	80-120		
Dilution Check (BGI2600-SRL1)	**Source: 23I2735-01**				Prepared: 9/18/2023 Analyzed: 9/19/2023					
Arsenic	<5.00	U	5.00	mg/L		<5.00				10
Barium	1.65	U	100	mg/L		1.65			0.00	10
Cadmium	<1.00	U	1.00	mg/L		<1.00				10
Chromium	<5.00	U	5.00	mg/L		<5.00				10
Lead	<5.00	U	5.00	mg/L		<5.00				10
Selenium	<1.00	U	1.00	mg/L		<1.00				10
Silver	<5.00	U	5.00	mg/L		<5.00				10
Batch: BGI2992 - SW-7471 TCLP										
Duplicate (BGI2992-DUP1)	**Source: 23I2735-01**				Prepared & Analyzed: 9/20/2023					
Mercury	<0.200	U	0.200	mg/L		<0.200				200

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BGI2992 - SW-7471 TCLP (Continued)										
BGI2451-LBK1 (BGI2992-LBK1)					Prepared & Analyzed: 9/20/2023					
Mercury	<0.200	U	0.200	mg/L						
MDL Check (BGI2992-MRL1)					Prepared & Analyzed: 9/20/2023					
Mercury	0.000202	U	0.200	mg/L	0.000200		101			
Matrix Spike (BGI2992-MS1)		**Source: 23I2735-01**			Prepared & Analyzed: 9/20/2023					
Mercury	0.00519	U	0.200	mg/L	0.00500	<0.200	104	80-120		
Batch: BGI3552 - SW-3511										
MB SV (BGI3552-BLK1)					Prepared: 9/22/2023 Analyzed: 9/27/2023					
2,4,5-Trichlorophenol	<400	U	400	mg/L						
2,4,6-Trichlorophenol	<2.00	U	2.00	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.130	U	0.130	mg/L						
2-Methylphenol	<200	U	200	mg/L						
3,4-Methylphenol	<200	U	200	mg/L						
Hexachlorobenzene	<0.130	U	0.130	mg/L						
Hexachlorobutadiene	<0.500	U	0.500	mg/L						
Hexachloroethane	<3.00	U	3.00	mg/L						
Nitrobenzene	<2.00	U	2.00	mg/L						
Pentachlorophenol	<100	U	100	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0100*	*mg/L*	*0.0100*		*100*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0265*	*mg/L*	*0.0200*		*133*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr		*S*	*0.0294*	*mg/L*	*0.0200*		*147*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00722*	*mg/L*	*0.0100*		*72.2*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0231*	*mg/L*	*0.0200*		*116*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00810*	*mg/L*	*0.0100*		*81.0*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BGI3552 - SW-3511 (Continued)										
Blank (BGI3552-BLK2)					Prepared: 9/22/2023 Analyzed: 9/28/2023					
3,4-Methylphenol	<200	U	200	mg/L						
Pyridine	<5.00	U	5.00	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0113*	*mg/L*	*0.0100*		*113*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0200*	*mg/L*	*0.0200*		*100*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0118*	*mg/L*	*0.0200*		*59.0*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0124*	*mg/L*	*0.0100*		*124*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0178*	*mg/L*	*0.0200*		*88.9*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00782*	*mg/L*	*0.0100*		*78.2*	*51.9-147*		
BS SV (BGI3552-BS1)					Prepared: 9/22/2023 Analyzed: 9/27/2023					
2,4,5-Trichlorophenol	0.0225	U	400	mg/L	0.0197		114	60-140		
2,4,6-Trichlorophenol	0.0213	U	2.00	mg/L	0.0197		108	60-140		
2,4-Dinitrotoluene (2,4-DNT)	0.0122	U	0.130	mg/L	0.00986		123	60-140		
2-Methylphenol	0.0173	U	200	mg/L	0.0197		87.8	60-140		
3,4-Methylphenol	0.0326	U	200	mg/L	0.0394		82.7	60-140		
Hexachlorobenzene	0.0110	U	0.130	mg/L	0.00986		112	60-140		
Hexachlorobutadiene	0.00624	U	0.500	mg/L	0.00986		63.3	60-140		
Hexachloroethane	0.00626	U	3.00	mg/L	0.00986		63.5	60-140		
Nitrobenzene	0.00922	U	2.00	mg/L	0.00986		93.5	60-140		
Pentachlorophenol	0.0231	U	100	mg/L	0.0197		117	36.8-149		
Surrogate: 2-Fluorobiphenyl-surr			*0.00937*	*mg/L*	*0.00986*		*95.0*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0185*	*mg/L*	*0.0197*		*93.8*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr		*S*	*0.0272*	*mg/L*	*0.0197*		*138*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00752*	*mg/L*	*0.00986*		*76.2*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0231*	*mg/L*	*0.0197*		*117*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0109*	*mg/L*	*0.00986*		*110*	*51.9-147*		
LCS (BGI3552-BS2)					Prepared: 9/22/2023 Analyzed: 9/28/2023					
3,4-Methylphenol	0.0371	U	200	mg/L	0.0394		94.1	60-140		
Pyridine	0.0314	U	5.00	mg/L	0.0493		63.8	2.5-101		
Surrogate: 2-Fluorobiphenyl-surr			*0.00912*	*mg/L*	*0.00986*		*92.5*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0196*	*mg/L*	*0.0197*		*99.2*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0165*	*mg/L*	*0.0197*		*83.7*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00918*	*mg/L*	*0.00986*		*93.1*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0200*	*mg/L*	*0.0197*		*101*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00764*	*mg/L*	*0.00986*		*77.5*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BGI3552 - SW-3511 (Continued)										
BSD SV (BGI3552-BSD1)					Prepared: 9/22/2023 Analyzed: 9/27/2023					
2,4,5-Trichlorophenol	0.0212	U	400	mg/L	0.0197		108	60-140	5.61	40
2,4,6-Trichlorophenol	0.0203	U	2.00	mg/L	0.0197		103	60-140	4.75	40
2,4-Dinitrotoluene (2,4-DNT)	0.00836	U	0.130	mg/L	0.00984		85.0	60-140	37.1	40
2-Methylphenol	0.0156	U	200	mg/L	0.0197		79.4	60-140	10.3	40
3,4-Methylphenol	0.0308	U	200	mg/L	0.0393		78.3	60-140	5.79	40
Hexachlorobenzene	0.0106	U	0.130	mg/L	0.00984		108	60-140	3.79	40
Hexachlorobutadiene	0.00795	U	0.500	mg/L	0.00984		80.9	60-140	24.2	40
Hexachloroethane	0.00811	U	3.00	mg/L	0.00984		82.5	60-140	25.8	40
Nitrobenzene	0.0119	U	2.00	mg/L	0.00984		121	60-140	25.7	40
Pentachlorophenol	0.0197	U	100	mg/L	0.0197		100	36.8-149	16.1	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00914*	*mg/L*	*0.00984*		*93.0*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0171*	*mg/L*	*0.0197*		*86.8*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0178*	*mg/L*	*0.0197*		*90.3*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0100*	*mg/L*	*0.00984*		*102*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0169*	*mg/L*	*0.0197*		*86.0*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0111*	*mg/L*	*0.00984*		*113*	*51.9-147*		
LCS Dup (BGI3552-BSD2)					Prepared: 9/22/2023 Analyzed: 9/28/2023					
3,4-Methylphenol	0.0346	U	200	mg/L	0.0393		88.0	60-140	6.96	40
Pyridine	0.0336	U	5.00	mg/L	0.0492		68.4	2.5-101	6.82	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00871*	*mg/L*	*0.00984*		*88.5*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0187*	*mg/L*	*0.0197*		*95.2*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0182*	*mg/L*	*0.0197*		*92.4*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00842*	*mg/L*	*0.00984*		*85.6*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0193*	*mg/L*	*0.0197*		*97.9*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00764*	*mg/L*	*0.00984*		*77.7*	*51.9-147*		
BGI2451-BLK1 (BGI3552-LBK1)					Prepared: 9/22/2023 Analyzed: 9/28/2023					
2,4,5-Trichlorophenol	<400	U	400	mg/L						
2,4,6-Trichlorophenol	<2.00	U	2.00	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.130	U	0.130	mg/L						
2-Methylphenol	<200	U	200	mg/L						
3,4-Methylphenol	0.00344	U	200	mg/L						
Hexachlorobenzene	<0.130	U	0.130	mg/L						
Hexachlorobutadiene	<0.500	U	0.500	mg/L						
Hexachloroethane	<3.00	U	3.00	mg/L						
Nitrobenzene	<2.00	U	2.00	mg/L						
Pentachlorophenol	<100	U	100	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0483*	*mg/L*	*0.0400*		*121*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0511*	*mg/L*	*0.0800*		*63.9*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0960*	*mg/L*	*0.0800*		*120*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0417*	*mg/L*	*0.0400*		*104*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0672*	*mg/L*	*0.0800*		*84.0*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0222*	*mg/L*	*0.0400*		*55.4*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BGI3552 - SW-3511 (Continued)										
BGI3370-BLK1 (BGI3552-LBK2)					Prepared: 9/22/2023 Analyzed: 9/28/2023					
2,4,5-Trichlorophenol	<400	U	400	mg/L						
2,4,6-Trichlorophenol	<2.00	U	2.00	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.130	U	0.130	mg/L						
2-Methylphenol	0.00259	U	200	mg/L						
3,4-Methylphenol	0.00399	U	200	mg/L						
Hexachlorobenzene	<0.130	U	0.130	mg/L						
Hexachlorobutadiene	<0.500	U	0.500	mg/L						
Hexachloroethane	<3.00	U	3.00	mg/L						
Nitrobenzene	<2.00	U	2.00	mg/L						
Pentachlorophenol	<100	U	100	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0444*	*mg/L*	*0.0400*		*111*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0593*	*mg/L*	*0.0800*		*74.1*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0981*	*mg/L*	*0.0800*		*123*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0433*	*mg/L*	*0.0400*		*108*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0770*	*mg/L*	*0.0800*		*96.3*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0337*	*mg/L*	*0.0400*		*84.4*	*51.9-147*		
BGI2451-BLK1 (BGI3552-LBK3)					Prepared: 9/22/2023 Analyzed: 9/28/2023					
3,4-Methylphenol	<200	U	200	mg/L						
Pyridine	<5.00	U	5.00	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0357*	*mg/L*	*0.0400*		*89.3*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0674*	*mg/L*	*0.0800*		*84.3*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0946*	*mg/L*	*0.0800*		*118*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0275*	*mg/L*	*0.0400*		*68.8*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0749*	*mg/L*	*0.0800*		*93.7*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0299*	*mg/L*	*0.0400*		*74.8*	*51.9-147*		
BGI3370-BLK1 (BGI3552-LBK4)					Prepared: 9/22/2023 Analyzed: 9/28/2023					
3,4-Methylphenol	<200	U	200	mg/L						
Pyridine	<5.00	U	5.00	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0342*	*mg/L*	*0.0400*		*85.6*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0678*	*mg/L*	*0.0800*		*84.7*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr		*S*	*0.112*	*mg/L*	*0.0800*		*140*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0294*	*mg/L*	*0.0400*		*73.4*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0737*	*mg/L*	*0.0800*		*92.1*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0292*	*mg/L*	*0.0400*		*73.0*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BGI3552 - SW-3511 (Continued)										
MDL SV (BGI3552-MRL1)					Prepared: 9/22/2023 Analyzed: 9/27/2023					
2,4,5-Trichlorophenol	0.00109	U	400	mg/L	0.000995		110			
2,4,6-Trichlorophenol	0.000832	U	2.00	mg/L	0.000995		83.6			
2,4-Dinitrotoluene (2,4-DNT)	0.000299	U	0.130	mg/L	0.000497		60.1			
2-Methylphenol	0.00146	U	200	mg/L	0.000995		146			
3,4-Methylphenol	0.00295	U	200	mg/L	0.00199		148			
Hexachlorobenzene	0.000550	U	0.130	mg/L	0.000497		110			
Hexachlorobutadiene	0.000306	U	0.500	mg/L	0.000497		61.5			
Hexachloroethane	0.000372	U	3.00	mg/L	0.000497		74.8			
Nitrobenzene	0.000511	U	2.00	mg/L	0.000497		103			
Pentachlorophenol	0.00124	U	100	mg/L	0.000995		125			
Surrogate: 2-Fluorobiphenyl-surr			*0.00942*	*mg/L*	*0.00995*		*94.6*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0240*	*mg/L*	*0.0199*		*121*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr		*S*	*0.0300*	*mg/L*	*0.0199*		*151*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00870*	*mg/L*	*0.00995*		*87.4*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0207*	*mg/L*	*0.0199*		*104*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00947*	*mg/L*	*0.00995*		*95.2*	*51.9-147*		
23I2735-01 MS (BGI3552-MS1)		**Source: 23I2735-01**			Prepared: 9/22/2023 Analyzed: 9/28/2023					
2,4,5-Trichlorophenol	0.0932	U	400	mg/L	0.0800	<400	117	44.9-171		
2,4,6-Trichlorophenol	0.0728	U	2.00	mg/L	0.0800	<2.00	91.1	34.7-143		
2,4-Dinitrotoluene (2,4-DNT)	0.0487	U	0.130	mg/L	0.0400	<0.130	122	50.3-144		
2-Methylphenol	0.0693	U	200	mg/L	0.0800	<200	86.6	17.3-182		
3,4-Methylphenol	0.131	U	200	mg/L	0.160	0.00294	79.9	43.4-188		
Hexachlorobenzene	0.0407	U	0.130	mg/L	0.0400	<0.130	102	56.1-137		
Hexachlorobutadiene	0.0350	U	0.500	mg/L	0.0400	<0.500	87.5	33.1-110		
Hexachloroethane	0.0335	U	3.00	mg/L	0.0400	<3.00	83.7	36.2-106		
Nitrobenzene	0.0472	U	2.00	mg/L	0.0400	<2.00	118	54.9-156		
Pentachlorophenol	0.0982	U	100	mg/L	0.0800	<100	123	42.2-151		
Surrogate: 2-Fluorobiphenyl-surr			*0.0378*	*mg/L*	*0.0400*		*94.4*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0670*	*mg/L*	*0.0800*		*83.7*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0881*	*mg/L*	*0.0800*		*110*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0378*	*mg/L*	*0.0400*		*94.5*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0758*	*mg/L*	*0.0800*		*94.8*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0420*	*mg/L*	*0.0400*		*105*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BGI3552 - SW-3511 (Continued)										
Matrix Spike (BGI3552-MS2)			**Source: 23I2735-01RE1**		Prepared: 9/22/2023 Analyzed: 9/28/2023					
3,4-Methylphenol	0.133	U	200	mg/L	0.160	<200	82.9	43.4-188		
Pyridine	0.0912	U	5.00	mg/L	0.200	<5.00	45.6	2-87.4		
Surrogate: 2-Fluorobiphenyl-surr			*0.0332*	*mg/L*	*0.0400*		*83.1*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0733*	*mg/L*	*0.0800*		*91.6*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0875*	*mg/L*	*0.0800*		*109*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0292*	*mg/L*	*0.0400*		*73.1*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0823*	*mg/L*	*0.0800*		*103*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0323*	*mg/L*	*0.0400*		*80.8*	*51.9-147*		
23I2735-01 MSD (BGI3552-MSD1)			**Source: 23I2735-01**		Prepared: 9/22/2023 Analyzed: 9/28/2023					
2,4,5-Trichlorophenol	0.0919	U	400	mg/L	0.0800	<400	115	44.9-171	1.43	40
2,4,6-Trichlorophenol	0.0755	U	2.00	mg/L	0.0800	<2.00	94.3	34.7-143	3.53	40
2,4-Dinitrotoluene (2,4-DNT)	0.0574	U	0.130	mg/L	0.0400	<0.130	144	50.3-144	16.5	40
2-Methylphenol	0.0763	U	200	mg/L	0.0800	<200	95.4	17.3-182	9.74	40
3,4-Methylphenol	0.143	U	200	mg/L	0.160	0.00294	87.4	43.4-188	8.74	40
Hexachlorobenzene	0.0410	U	0.130	mg/L	0.0400	<0.130	103	56.1-137	0.728	40
Hexachlorobutadiene	0.0378	U	0.500	mg/L	0.0400	<0.500	94.6	33.1-110	7.79	40
Hexachloroethane	0.0367	U	3.00	mg/L	0.0400	<3.00	91.7	36.2-106	9.10	40
Nitrobenzene	0.0488	U	2.00	mg/L	0.0400	<2.00	122	54.9-156	3.35	40
Pentachlorophenol	0.107	U	100	mg/L	0.0800	<100	134	42.2-151	8.62	40
Surrogate: 2-Fluorobiphenyl-surr			*0.0416*	*mg/L*	*0.0400*		*104*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0519*	*mg/L*	*0.0800*		*64.9*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0978*	*mg/L*	*0.0800*		*122*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0410*	*mg/L*	*0.0400*		*103*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0800*	*mg/L*	*0.0800*		*100*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0247*	*mg/L*	*0.0400*		*61.7*	*51.9-147*		
Matrix Spike Dup (BGI3552-MSD2)			**Source: 23I2735-01RE1**		Prepared: 9/22/2023 Analyzed: 9/28/2023					
3,4-Methylphenol	0.134	U	200	mg/L	0.160	<200	84.0	43.4-188	1.28	40
Pyridine	0.0812	U	5.00	mg/L	0.200	<5.00	40.6	2-87.4	11.6	40
Surrogate: 2-Fluorobiphenyl-surr			*0.0331*	*mg/L*	*0.0400*		*82.6*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0717*	*mg/L*	*0.0800*		*89.6*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0870*	*mg/L*	*0.0800*		*109*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0298*	*mg/L*	*0.0400*		*74.5*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0780*	*mg/L*	*0.0800*		*97.5*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0324*	*mg/L*	*0.0400*		*80.9*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BGI3553 - SW-3511										
Blank (BGI3553-BLK1)					Prepared: 9/22/2023 Analyzed: 9/28/2023					
2,4-D	<10.0	U	10.0	mg/L						
Silvex (2,4,5-TP)	<1.00	U	1.00	mg/L						
Surrogate: DCAA-surr			*0.0226*	*mg/L*	*0.0248*		*91*	*70-130*		
LCS (BGI3553-BS1)					Prepared: 9/22/2023 Analyzed: 9/28/2023					
2,4-D	0.00419	U	10.0	mg/L	0.00513		82	70-130		
Silvex (2,4,5-TP)	0.00412	U	1.00	mg/L	0.00498		83	70-130		
Surrogate: DCAA-surr		*S*	*0.0165*	*mg/L*	*0.0249*		*66*	*70-130*		
LCS Dup (BGI3553-BSD1)					Prepared: 9/22/2023 Analyzed: 9/28/2023					
2,4-D	0.00413	U	10.0	mg/L	0.00512		81	70-130	1	30
Silvex (2,4,5-TP)	0.00398	U	1.00	mg/L	0.00497		80	70-130	4	30
Surrogate: DCAA-surr			*0.0192*	*mg/L*	*0.0249*		*77*	*70-130*		
BGI2451-BLK1 (BGI3553-LBK1)					Prepared: 9/22/2023 Analyzed: 9/29/2023					
2,4-D	<10.0	U	10.0	mg/L						
Silvex (2,4,5-TP)	<1.00	U	1.00	mg/L						
Surrogate: DCAA-surr			*0.0250*	*mg/L*	*0.0250*		*100*	*70-130*		
BGI3370-BLK1 (BGI3553-LBK2)					Prepared: 9/22/2023 Analyzed: 9/29/2023					
2,4-D	<10.0	U	10.0	mg/L						
Silvex (2,4,5-TP)	<1.00	U	1.00	mg/L						
Surrogate: DCAA-surr			*0.0200*	*mg/L*	*0.0250*		*80*	*70-130*		
Matrix Spike (BGI3553-MS1)		**Source: 23I2414-01**			Prepared: 9/22/2023 Analyzed: 9/28/2023					
2,4-D	0.0187	U	10.0	mg/L	0.0206	<10.0	91	70-130		
Silvex (2,4,5-TP)	0.0174	U	1.00	mg/L	0.0200	<1.00	87	70-130		
Surrogate: DCAA-surr			*0.0799*	*mg/L*	*0.100*		*80*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BGI3553 - SW-3511 (Continued)										
Matrix Spike Dup (BGI3553-MSD1)			**Source: 23I2414-01**		Prepared: 9/22/2023 Analyzed: 9/28/2023					
2,4-D	0.0174	U	10.0	mg/L	0.0206	<10.0	84	70-130	7	30
Silvex (2,4,5-TP)	0.0157	U	1.00	mg/L	0.0200	<1.00	79	70-130	10	30
Surrogate: DCAA-surr			*0.0747*	*mg/L*	*0.100*		*75*	*70-130*		
Batch: BGI3609 - SW-3511										
Blank (BGI3609-BLK1)					Prepared: 9/22/2023 Analyzed: 9/25/2023					
Chlordane (Total)	<0.0300	U	0.0300	mg/L						
Endrin	<0.0200	U	0.0200	mg/L						
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	<0.400	U	0.400	mg/L						
Heptachlor	<0.00800	U	0.00800	mg/L						
Heptachlor epoxide	<0.00800	U	0.00800	mg/L						
Methoxychlor	<10.0	U	10.0	mg/L						
Toxaphene (Chlorinated Camphene)	<0.500	U	0.500	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000135*	*mg/L*	*0.000119*		*113*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000101*	*mg/L*	*0.000119*		*84.6*	*60-140*		
BS TOX (BGI3609-BS1)					Prepared: 9/22/2023 Analyzed: 9/25/2023					
Toxaphene (Chlorinated Camphene)	0.00148	U	0.500	mg/L	0.00119		125	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000113*	*mg/L*	*0.000119*		*94.9*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*9.95E-5*	*mg/L*	*0.000119*		*83.9*	*60-140*		
BS OCP (BGI3609-BS2)					Prepared: 9/22/2023 Analyzed: 9/25/2023					
Chlordane (Total)	0.000481	U	0.0300	mg/L	0.000478		101	60-140		
Endrin	0.000124	U	0.0200	mg/L	0.000119		104	60-140		
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	0.000122	U	0.400	mg/L	0.000119		102	60-140		
Heptachlor	0.000117	U	0.00800	mg/L	0.000119		98.0	60-140		
Heptachlor epoxide	0.000121	U	0.00800	mg/L	0.000119		101	60-140		
Methoxychlor	0.000140	U	10.0	mg/L	0.000119		117	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000144*	*mg/L*	*0.000119*		*121*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000122*	*mg/L*	*0.000119*		*102*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BGI3609 - SW-3511 (Continued)										
BSD TOX (BGI3609-BSD1)					Prepared: 9/22/2023 Analyzed: 9/25/2023					
Toxaphene (Chlorinated Camphene)	0.00148	U	0.500	mg/L	0.00120		124	60-140	0.0993	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000115*	*mg/L*	*0.000120*		*95.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000104*	*mg/L*	*0.000120*		*86.5*	*60-140*		
BSD OCP (BGI3609-BSD2)					Prepared: 9/22/2023 Analyzed: 9/25/2023					
Chlordane (Total)	0.000430	U	0.0300	mg/L	0.000475		90.6	60-140	11.2	40
Endrin	0.000114	U	0.0200	mg/L	0.000119		95.8	60-140	8.46	40
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	8.53E-5	U	0.400	mg/L	0.000119		71.9	60-140	35.6	40
Heptachlor	0.000104	U	0.00800	mg/L	0.000119		87.8	60-140	11.6	40
Heptachlor epoxide	8.95E-5	U	0.00800	mg/L	0.000119		75.4	60-140	29.6	40
Methoxychlor	0.000130	U	10.0	mg/L	0.000119		109	60-140	8.01	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000140*	*mg/L*	*0.000119*		*118*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000111*	*mg/L*	*0.000119*		*93.3*	*60-140*		
BGI2451-BLK1 (BGI3609-LBK1)					Prepared: 9/22/2023 Analyzed: 9/26/2023					
Chlordane (Total)	3.78E-6	U	0.0300	mg/L						
Endrin	<0.0200	U	0.0200	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	1.42E-5	U	0.400	mg/L						
Heptachlor	<0.00800	U	0.00800	mg/L						
Heptachlor epoxide	<0.00800	U	0.00800	mg/L						
Methoxychlor	1.28E-5	U	10.0	mg/L						
Toxaphene (Chlorinated Camphene)	<0.500	U	0.500	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000738*	*mg/L*	*0.000600*		*123*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000371*	*mg/L*	*0.000600*		*61.8*	*60-140*		
BGI3370-BLK1 (BGI3609-LBK2)					Prepared: 9/22/2023 Analyzed: 9/26/2023					
Chlordane (Total)	<0.0300	U	0.0300	mg/L						
Endrin	<0.0200	U	0.0200	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	1.71E-5	U	0.400	mg/L						
Heptachlor	<0.00800	U	0.00800	mg/L						
Heptachlor epoxide	<0.00800	U	0.00800	mg/L						
Methoxychlor	6.66E-6	U	10.0	mg/L						
Toxaphene (Chlorinated Camphene)	<0.500	U	0.500	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000742*	*mg/L*	*0.000600*		*124*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000521*	*mg/L*	*0.000600*		*86.8*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BGI3609 - SW-3511 (Continued)										
MDL TOX (BGI3609-MRL1)					Prepared: 9/22/2023 Analyzed: 9/25/2023					
Toxaphene (Chlorinated Camphene)	0.000518	U	0.500	mg/L	0.000296		175	50-150		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000114*	*mg/L*	*0.000118*		*95.9*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000100*	*mg/L*	*0.000118*		*84.7*	*60-140*		
MDL OCP (BGI3609-MRL2)					Prepared: 9/22/2023 Analyzed: 9/25/2023					
Chlordane (Total)	4.97E-5	U	0.0300	mg/L	4.80E-5		104	50-150		
Endrin	9.59E-6	U	0.0200	mg/L	1.20E-5		80.0	50-150		
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	1.13E-5	U	0.400	mg/L	1.20E-5		94.2	50-150		
Heptachlor	1.61E-5	U	0.00800	mg/L	1.20E-5		134	50-150		
Heptachlor epoxide	7.68E-6	U	0.00800	mg/L	1.20E-5		64.0	50-150		
Methoxychlor	1.35E-5	U	10.0	mg/L	1.20E-5		113	50-150		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000138*	*mg/L*	*0.000120*		*115*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000107*	*mg/L*	*0.000120*		*89.5*	*60-140*		
23I2438-01 MS (BGI3609-MS1)			**Source: 23I2438-01**		Prepared: 9/22/2023 Analyzed: 9/25/2023					
Chlordane (Total)	0.00244	U	0.0300	mg/L	0.00240	5.28E-6	101	60-140		
Endrin	0.000659	U	0.0200	mg/L	0.000600	<0.0200	110	60-140		
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000655	U	0.400	mg/L	0.000600	1.66E-5	106	60-140		
Heptachlor	0.000645	U	0.00800	mg/L	0.000600	<0.00800	108	60-140		
Heptachlor epoxide	0.000643	U	0.00800	mg/L	0.000600	<0.00800	107	60-140		
Methoxychlor	0.000808	U	10.0	mg/L	0.000600	2.42E-5	131	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000755*	*mg/L*	*0.000600*		*126*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000649*	*mg/L*	*0.000600*		*108*	*60-140*		
23I2438-01 MSD (BGI3609-MSD1)			**Source: 23I2438-01**		Prepared: 9/22/2023 Analyzed: 9/25/2023					
Chlordane (Total)	0.00214	U	0.0300	mg/L	0.00240	5.28E-6	89.0	60-140	13.0	40
Endrin	0.000643	U	0.0200	mg/L	0.000600	<0.0200	107	60-140	2.52	40
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000455	U	0.400	mg/L	0.000600	1.66E-5	73.1	60-140	36.0	40
Heptachlor	0.000556	U	0.00800	mg/L	0.000600	<0.00800	92.7	60-140	14.9	40
Heptachlor epoxide	0.000485	U	0.00800	mg/L	0.000600	<0.00800	80.8	60-140	28.0	40
Methoxychlor	0.000689	U	10.0	mg/L	0.000600	2.42E-5	111	60-140	15.8	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000685*	*mg/L*	*0.000600*		*114*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000501*	*mg/L*	*0.000600*		*83.5*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Sample Condition Checklist

Work Order: 23I2414

Check Points	
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
10/18/2023 13:54

Term and Qualifier Definitions

Item	Definition
S	The surrogate recovery was outside the established laboratory recovery limit.
U	Non-detected compound.
V	Analyte was detected in both sample and method blank.
V2	The analyte was detected in the sample and the associated leach blank.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com

TCEQ T104704238-23-39

23I2414

Lab PM : Deena Higginbotham	**Project Name** : Cinco Central - Annual TCLP/PCB	**Schedule Comments:**
Inframark Patrick Bond 32259 Morton Road Brookshire, TX 77423 Phone: (281) 505-0452	**Project Comments**: 22615 Westheimer Pkwy ***IMPORTANT*** You must use the client's sample stick on-site to collect the effluent fecal samples! Building Code & Sampler Combo: 5170 DO min: 6	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
23I2414-01	Digester		9/12/2023 1035	S Grab	A Glass 250mL w/ Teflon-lined Lid B HDPE 250mL C Glass Wide 1L w/ Teflon-lined Lid D Glass VOA 60mL	Arsenic ICP TCLP 4°C Barium ICP TCLP 4°C Cadmium ICP TCLP 4°C Chromium ICP TCLP 4°C Hg-7471-TCLP 4°C Lead ICP TCLP 4°C Selenium ICP TCLP 4°C Silver ICP TCLP 4°C HERB-TCLP 4°C OCP-TCLP 4°C PCB-8082 4°C SVOA-TCLP 4°C TCLP Bottle 4°C TCLP ZHE 4°C VOA-TCLP 4°C TS-2540 G 4°C	

Field Remarks:

Lab Preservation: (Circle and Write ID Below) H2SO4 HNO3 NaOH Other: _____

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Andrew Rodriguez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 9-12-23/1425	Received for Laboratory By: (Signature) YMC	Date/Time 9-12-23/1425

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: _____ °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID: _____

Katy South

Laboratory Analysis Report

Total Number of Pages: 7

Job ID : 23091308

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

Client Project Name :
23I2414

Report To :	Client Name:	NWDLS	P.O.#.: 23I2414
	Attn:	Deena Higginbotham	Sample Collected By:
	Client Address:	130 S Trade Center Pkwy	Date Collected: 09/12/23
	City, State, Zip:	Conroe, Texas, 77385	

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

Client Sample ID	Matrix	A&B Sample ID
23I2414-01	Sludge	23091308.01

Released By: Senthilkumar Sevukan
Title: Vice President Operations
Date: 9/19/2023

This Laboratory is NELAP (T104704213-23-31) accredited. Effective: 04/13/2023; Expires: 3/31/2024
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 : 09/14/2023 08:10

Report Number: RPT230919055

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 23091308

Date: 9/19/2023

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	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
MS	Matrix Spike	surr	Surrogate
MSD	Matrix Spike Duplicate	T	Time
MW	Molecular Weight	TNTC	Too numerous to count
J	Estimation. Below calibration range but above MDL	MQL	Minimum Quantitation Limit

Qualifier Definition

U	Undetected at SDL (Sample Detection Limit).

LABORATORY TEST RESULTS

Job ID : 23091308

Date 9/19/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name: 23I2414

Client Sample ID: 23I2414-01
Date Collected: 09/12/23
Time Collected: 10:35
Other Information:

Job Sample ID: 23091308.01
Sample Matrix Sludge
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
SW-846 8260C	TCLP VOC									
	1,1-Dichloroethylene	<0.017	mg/L	1.00	0.017	0.125	0.6	U	09/18/23 17:48	ZQ
	1,2-Dichloroethane	<0.026	mg/L	1.00	0.026	0.125	0.5	U	09/18/23 17:48	ZQ
	1,4-Dichlorobenzene	<0.018	mg/L	1.00	0.018	0.125	7.5	U	09/18/23 17:48	ZQ
	Benzene	<0.016	mg/L	1.00	0.016	0.125	0.5	U	09/18/23 17:48	ZQ
	Carbon tetrachloride	<0.043	mg/L	1.00	0.043	0.125	0.5	U	09/18/23 17:48	ZQ
	Chlorobenzene	<0.017	mg/L	1.00	0.017	0.125	70	U	09/18/23 17:48	ZQ
	Chloroform	<0.018	mg/L	1.00	0.018	0.125	6	U	09/18/23 17:48	ZQ
	MEK	<0.072	mg/L	1.00	0.072	0.125	200	U	09/18/23 17:48	ZQ
	Tetrachloroethylene	<0.017	mg/L	1.00	0.017	0.125	0.7	U	09/18/23 17:48	ZQ
	Trichloroethylene	<0.020	mg/L	1.00	0.020	0.125	0.5	U	09/18/23 17:48	ZQ
	Vinyl Chloride	<0.021	mg/L	1.00	0.021	0.125	0.2	U	09/18/23 17:48	ZQ
	1,2-Dichloroethane-d4(surr)	109	%	1.00		70-130			09/18/23 17:48	ZQ
	Dibromofluoromethane(surr)	107	%	1.00		70-130			09/18/23 17:48	ZQ
	p-Bromofluorobenzene(surr)	102	%	1.00		70-130			09/18/23 17:48	ZQ
	Toluene-d8(surr)	97.8	%	1.00		70-130			09/18/23 17:48	ZQ

QUALITY CONTROL CERTIFICATE

Job ID : 23091308 **Date :** 9/19/2023

Analysis : TCLP VOC **Method : SW-846 8260C** **Reporting Units : mg/L**

QC Batch ID : Qb23091901 **Created Date :** 09/18/23 **Created By :** Zeeshan

Samples in This QC Batch : 23091308.01

Sample Preparation : PB23091901 **Prep Method :** SW-846 5030C **Prep Date :** 09/18/23 10:00 **Prep By :** Zeeshan

TCLP Prep : PB23091701 **Prep Method :** SW-846 1311 **Prep Date :** 09/16/23 14:25 **Prep By :** Msoria

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL	Qual
1,1-Dichloroethylene	75-35-4	< MDL	mg/L	0.04	0.005	0.0165	
1,2-Dichloroethane	107-06-2	< MDL	mg/L	0.04	0.005	0.026	
1,4-Dichlorobenzene	106-46-7	< MDL	mg/L	0.04	0.005	0.018	
Benzene	71-43-2	< MDL	mg/L	0.04	0.005	0.0158	
Carbon tetrachloride	56-23-5	< MDL	mg/L	0.04	0.005	0.0433	
Chlorobenzene	108-90-7	< MDL	mg/L	0.04	0.005	0.0173	
Chloroform	67-66-3	< MDL	mg/L	0.04	0.005	0.018	
MEK	78-93-3	< MDL	mg/L	0.04	0.005	0.0715	
Tetrachloroethylene	127-18-4	< MDL	mg/L	0.04	0.005	0.0165	
Trichloroethylene	79-01-6	< MDL	mg/L	0.04	0.005	0.0198	
Vinyl Chloride	75-01-4	< MDL	mg/L	0.04	0.005	0.0205	
1,2-Dichloroethane-d4(surr	17060-07-0	109	%	0.04			
Dibromofluoromethane(surr	1868-53-7	101	%	0.04			
p-Bromofluorobenzene(surr	460-00-4	106	%	0.04			
Toluene-d8(surr)	2037-26-5	99.1	%	0.04			

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
1,1-Dichloroethylene	1	0.936	93.6	1	0.952	95.2	1.7	35	70-130	
1,2-Dichloroethane	1	0.956	95.6	1	1.00	100	4.5	35	70-130	
1,4-Dichlorobenzene	1	0.941	94.1	1	1.02	102	8.1	35	70-130	
Benzene	1	0.932	93.2	1	0.968	96.8	3.8	35	70-130	
Carbon tetrachloride	1	1.06	106	1	1.09	109	2.6	35	70-130	
Chlorobenzene	1	0.998	99.8	1	1.03	103	3.1	35	70-130	
Chloroform	1	0.999	99.9	1	0.995	99.5	0.4	35	70-130	
MEK	1	1.02	102	1	1.04	104	1.7	35	70-130	
Tetrachloroethylene	1	0.868	86.8	1	1.01	101	15.2	35	70-130	
Trichloroethylene	1	0.968	96.8	1	1.03	103	6.2	35	70-130	
Vinyl Chloride	1	0.890	89.1	1	0.923	92.3	3.6	35	70-130	

QC Type: MS and MSD

QC Sample ID: 23091137.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1-Dichloroethylene	BRL	1	0.933	93.3						70-130	

ab-q213-0321

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 23091308 **Date :** 9/19/2023

Analysis : TCLP VOC **Method : SW-846 8260C** **Reporting Units : mg/L**

QC Batch ID : Qb23091901 **Created Date :** 09/18/23 **Created By :** Zeeshan

Samples in This QC Batch : 23091308.01

QC Type: MS and MSD
QC Sample ID: 23091137.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,2-Dichloroethane	BRL	1	0.995	99.5						70-130	
1,4-Dichlorobenzene	BRL	1	0.943	94.3						70-130	
Benzene	BRL	1	0.948	94.8						70-130	
Carbon tetrachloride	BRL	1	1.04	104						70-130	
Chlorobenzene	BRL	1	0.975	97.5						70-130	
Chloroform	BRL	1	0.994	99.4						70-130	
MEK	BRL	1	1.14	114						70-130	
Tetrachloroethylene	BRL	1	0.811	81.1						70-130	
Trichloroethylene	BRL	1	0.991	99.1						70-130	
Vinyl Chloride	BRL	1	0.897	89.7						70-130	

NWDLS
North Water District Laboratory Services, Inc.

Job ID:23091308
08/14/2023 NWDLS AMS

SUBCONTRACT ORDER

Sending Laboratory:

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Deena Higginbotham

Subcontracted Laboratory:

A & B Labs
10100 East Freeway, Suite 100
Houston, TX 77029
Phone: (713) 453-6060
Fax: (713) 453-6091

Work Order: 23I2414

Analysis	Due	Expires	Comments
Sample ID: 23I2414-01 ***Solid Sampled: 09/12/2023 10:35***			
TCLP ZHE	09/26/2023	09/26/2023 10:35	Auto-Included
VOA-TCLP	09/26/2023	09/26/2023 10:35	

Analyte(s):

1,1-Dichloroethylene	1,2-Dichloroethane (Ethylene dichloride)	1,2-Dichloroethane-d4-surr
1,4-Dichlorobenzene (p-Dichlorobenzene)	2-Butanone (Methyl ethyl ketone, MEK)	4-Bromoflurobenzene-surr
Benzene	Carbon tetrachloride	Chlorobenzene
Chloroform	Dibromofluoromethane-surr	Tetrachloroethylene (Perchloroethylene)
Toluene-d8-surr	Trichloroethene (Trichloroethylene)	Vinyl chloride (Chloroethene)

01A

Containers Supplied:

Jan Keasling 0810 — Released By — 9.14.23 — Date

Meg Clay — Received By — 9-14-23 08:10 — Date

3.4 °C IRS

Sample Condition Checklist

A&B JobID : **23091308**	Date Received : **09/14/2023**	Time Received : **8:10AM**
Client Name : **NWDLS**		
Temperature : **3.4°C**	Sample pH : **NA**	
Thermometer ID : **IR5**	pH Paper ID : **NA**	
Perservative :		

	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:

COC shows solid, received sludge. ~JE 09/14/23

Brought by : Client

Received by : Jedralin

Check in by/date : Jedralin / 09/14/2023

ab-s005-0321

Cinco Southwest
WWTP

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

March 03, 2025

LABORATORY REPORT

Patrick Bond
Inframark
32259 Morton Road
Brookshire, TX 77423

Report ID: 20250303104800RLR

RE: Cinco Southwest - Non Potable - Class B Annual

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Rebecca Rabon For Aundra Noe
Project Manager

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Inframark	Project: Cinco Southwest - Non Potable - Class B Annual	
32259 Morton Road	Project Number: 162	**Reported:**
Brookshire, TX 77423	Project Manager: Patrick Bond	03/03/2025 10:48

Sample Results

Client Sample ID: Digester 1
Lab Sample ID: 25B2603-01

Sample Matrix: Solid
Date Collected: 02/12/2025 11:45
Collected by: Jimmy Andara

Method	Analyte	Result	Q	Units	Batch	Date Analyzed	Analyst
Colilert-18	Fecal coliforms	310000		MPN/g TS dry	BIB1476	02/13/2025 12:51	JKB
Colilert-18	Fecal coliforms	583000		MPN/g TS dry	BIB1476	02/13/2025 12:51	JKB
Colilert-18	Fecal coliforms	413000		MPN/g TS dry	BIB1476	02/13/2025 12:51	JKB
Colilert-18	Fecal coliforms	413000		MPN/g TS dry	BIB1476	02/13/2025 12:51	JKB
Colilert-18	Fecal coliforms	413000		MPN/g TS dry	BIB1476	02/13/2025 12:51	JKB
Colilert-18	Fecal coliforms	492000		MPN/g TS dry	BIB1476	02/13/2025 12:51	JKB
Colilert-18	Fecal coliforms	617000		MPN/g TS dry	BIB1476	02/13/2025 12:51	JKB
SM 2710 B	Specific Oxygen Uptake Rate (SOUR)	0.281		mg O2/hr/g TS @ 20°C dry	BIB1528	02/13/2025 08:16	FPN
SM 2550 B	Temperature °C Field	22.9		°C	BIB1577	02/12/2025 11:45	JMY
SM 2540 G	% Solids	0.994		%	BIB1679	02/14/2025 10:33	JRU

The total solids is diluted to <=2.0% for the S.O.U.R. test when necessary.

CLASS B - Pass

Per Title 30, Texas Administrative Code, Chapter 312, for a Class B to pass, the fecal coliform geometric mean must be less than or equal to 2,000,000 CFU/ug TS and the S.O.U.R must be less than or equal to 1.5 mg O2/hr/g TS.

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Inframark	Project: Cinco Southwest - Non Potable - Class B Annual	
32259 Morton Road	Project Number: 162	**Reported:**
Brookshire, TX 77423	Project Manager: Patrick Bond	03/03/2025 10:48

Quality Control

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1679 - Percent Solids										
Blank (BIB1679-BLK1)					Prepared: 02/13/2025 Analyzed: 02/14/2025					
% Solids	<0.100	U	0.100	%						
Duplicate (BIB1679-DUP1)			**Source: 25B2821-03**		Prepared: 02/13/2025 Analyzed: 02/14/2025					
% Solids			0.100	%		0.958			0.999	20
Reference (BIB1679-SRM1)					Prepared: 02/13/2025 Analyzed: 02/14/2025					
% Solids			0.100	%	0.338		104	86.1-114		

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Inframark	Project: Cinco Southwest - Non Potable - Class B Annual	
32259 Morton Road	Project Number: 162	**Reported:**
Brookshire, TX 77423	Project Manager: Patrick Bond	03/03/2025 10:48

Quality Control
(Continued)

Microbiology

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1476 - FC Quantitray										
Blank (BIB1476-BLK1)					Prepared: 02/12/2025 Analyzed: 02/13/2025					
Fecal coliforms	<10.0	U	10.0	MPN/g TS wet						
Duplicate (BIB1476-DUP1)			**Source: 25B2603-01**		Prepared: 02/12/2025 Analyzed: 02/13/2025					
Fecal coliforms			1010	MPN/g TS dry		310000			16.3	200

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Inframark	Project: Cinco Southwest - Non Potable - Class B Annual	
32259 Morton Road	Project Number: 162	**Reported:**
Brookshire, TX 77423	Project Manager: Patrick Bond	03/03/2025 10:48

Term and Qualfier Definitions

Item	Definition
U	Non-detected compound.
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25B2603

Lab PM : Aundra Noe	**Project Name** : Cinco Southwest - Non Potable - Class B Annual	**Schedule Comments**:
Inframark Patrick Bond 32259 Morton Road Brookshire, TX 77423 Phone: (281) 505-0452	**Project Comments**: You must use the client's sample stick on-site to collect the effluent fecal samples! Combo- 1408 Samp Combo-5170- Call before collecting samples (in order)James 346-387-5271 Carl 281-960-9702 Russell 832-404-0105 DO & pH COLLECTED AFTER FINAL WEIR	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
25B2603-01	Digester 1		2/12/2025 11:45	S Grab	A HDPE S150mL Na2S2O3 B HDPE S150mL Na2S2O3 C HDPE S150mL Na2S2O3 D HDPE S150mL Na2S2O3 E HDPE S150mL Na2S2O3 F HDPE S150mL Na2S2O3 G HDPE S150mL Na2S2O3 H HDPE 1L I HDPE 250mL	FC/CB-QT-LR SOUR-2710 SOUR TS-2540 G TS-2540 G	Na2S2O3 <10°C 4°C 4°C 4°C	Temp C Field 22.9°C

Field Remarks:

Lab Preservation: (Circle and Write ID Below) H2SO4 HNO3 NaOH Other: _____

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Jimmy Andara	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time: 2-12-25/15:20	Received for Laboratory By: (Signature): AJK	Date/Time: 2/12/25/1520

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: _____ °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID: _____

Katy South

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com

March 17, 2025

Laboratory Report

Patrick Bond
Inframark
32259 Morton Road
Brookshire, TX 77423

Report ID: 20250317125101RLR

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Rebecca Rabon For Aundra Noe
Project Manager

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Sample Results

Client Sample ID: Digester 1
Lab Sample ID: 25B2605-01
Cinco Southwest - Sewage Sludge Annual 162

Sample Matrix: Solid
Date Collected: 02/12/2025 11:45
Collected by: Jimmy Andara

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Organics by GC											
SW-8082	PCBs, Total	A	<600	U	ug/kg dry	10	17.1	600	BIB1535	02/18/2025 00:13	SHU
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*79.5%*		*60-140*					*02/18/2025 00:13*	
SW-8082	*Surrogate: Decachlorobiphenyl-surr*		*70.6%*		*60-140*					*02/18/2025 00:13*	
Metals, Total											
SW-6010C	Arsenic	A	4.87		mg/kg dry	1	0.723	3.29	BIB2477	02/25/2025 15:14	JKC
SW-6010C	Cadmium	A	<0.329	U	mg/kg dry	1	0.0856	0.329	BIB2477	02/25/2025 15:14	JKC
SW-6010C	Chromium	A	9.55		mg/kg dry	1	1.24	1.65	BIB2477	02/25/2025 15:14	JKC
SW-6010C	Copper	A	195		mg/kg dry	10	3.52	32.9	BIB2477	02/25/2025 16:46	JKC
SW-7471B	Mercury	A	0.389		mg/kg dry	1	0.0200	0.0400	BIB0787	02/14/2025 11:22	KSI
SW-6010C	Lead	A	3.61		mg/kg dry	1	0.840	1.65	BIB2477	02/25/2025 15:14	JKC
SW-6010C	Molybdenum	A	5.64		mg/kg dry	1	1.65	1.65	BIB2477	02/25/2025 15:14	JKC
SW-6010C	Nickel	A	9.84		mg/kg dry	1	0.445	1.65	BIB2477	02/25/2025 15:14	JKC
SW-6010C	Potassium	A	9330		mg/kg dry	1	28.3	329	BIB2477	02/25/2025 15:14	TBB
SW-6010C	Selenium	A	5.81		mg/kg dry	1	1.29	3.29	BIB2477	03/04/2025 11:10	TBB
SW-6010C	Total Phosphorus	A	<3290	U	mg/kg dry	10	138	3290	BIB2477	02/25/2025 16:46	JKC
SW-6010C	Zinc	A	622		mg/kg dry	10	16.5	16.5	BIB2477	02/25/2025 16:46	JKC
General Chemistry											
EPA 350.2	Ammonia as N	A	11600		mg/kg dry	1	995	1990	BIB1693	02/14/2025 12:37	ENR
SW-9056A	Nitrate as N	A	11700		mg/kg dry	20	100	250	BIB1664	02/13/2025 15:28	AGZ
EPA 351.3	Total Kjeldahl Nitrogen - (TKN)	N	70400		mg/kg dry	1	498	498	BIB1846	02/17/2025 12:28	ENR
SM 2540 G	% Solids	A	0.999		%	1	0.100	0.100	BIB1679	02/14/2025 10:33	JRU
TCLP											
SW-6010C	Arsenic	A	<5.00	U	mg/L	1	0.00367	5.00	BIB2865	02/24/2025 13:57	JBM
SW-6010C	Barium	A	<100	U	mg/L	1	0.00125	100	BIB2865	02/24/2025 09:28	JKC
SW-6010C	Cadmium	A	<1.00	U	mg/L	1	0.000423	1.00	BIB2865	02/24/2025 13:57	JBM
SW-6010C	Chromium	A	<5.00	U	mg/L	1	0.00131	5.00	BIB2865	02/24/2025 09:28	TBB
SW-8151	2,4-D	A	<10.0	U	mg/L	2	0.000475	10.0	BIB1978	02/18/2025 23:51	KRB
SW-8151	Silvex (2,4,5-TP)	A	<1.00	U	mg/L	2	0.000475	1.00	BIB1978	02/18/2025 23:51	KRB
SW-8151	*Surrogate: DCAA-surr*		*114%*		*70-130*					*02/18/2025 23:51*	
SW-7471B	Mercury	A	<0.200	U	mg/L	1	0.000127	0.200	BIB2207	02/19/2025 11:05	KSI
SW-6010C	Lead	A	<5.00	U	mg/L	1	0.00341	5.00	BIB2865	02/24/2025 09:28	JKC
SW-6010C	Selenium	A	<1.00	U	mg/L	1	0.00531	1.00	BIB2865	02/24/2025 09:28	JKC
SW-6010C	Silver	A	<5.00	U	mg/L	1	0.00142	5.00	BIB2865	02/24/2025 09:28	JKC
SW-8270	2,4,5-Trichlorophenol	A	<400	U	mg/L	1	0.00249	400	BIB1937	02/18/2025 03:54	KRB
SW-8270	2,4,6-Trichlorophenol	A	<2.00	U	mg/L	1	0.00249	2.00	BIB1937	02/18/2025 03:54	KRB

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Sample Results
(Continued)

Client Sample ID: Digester 1 (Continued)
Lab Sample ID: 25B2605-01
Cinco Southwest - Sewage Sludge Annual 162

Sample Matrix: Solid
Date Collected: 02/12/2025 11:45
Collected by: Jimmy Andara

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	U	mg/L	1	0.00249	0.130	BIB1937	02/18/2025 03:54	KRB
SW-8270	2-Methylphenol (o-Cresol)	A	<200	U	mg/L	1	0.00249	200	BIB1937	02/18/2025 03:54	KRB
SW-8270	3,4-Methylphenol	A	<200	U	mg/L	1	0.00249	200	BIB1937	02/18/2025 03:54	KRB
SW-8270	Hexachlorobenzene	A	<0.130	U	mg/L	1	0.00249	0.130	BIB1937	02/18/2025 03:54	KRB
SW-8270	Hexachlorobutadiene	A	<0.500	U	mg/L	1	0.00249	0.500	BIB1937	02/18/2025 03:54	KRB
SW-8270	Hexachloroethane	A	<3.00	U	mg/L	1	0.00249	3.00	BIB1937	02/18/2025 03:54	KRB
SW-8270	Nitrobenzene	A	<2.00	U	mg/L	1	0.00249	2.00	BIB1937	02/18/2025 03:54	KRB
SW-8270	Pentachlorophenol	A	<100	U	mg/L	1	0.00249	100	BIB1937	02/18/2025 03:54	KRB
SW-8270	Pyridine	A	<5.00	U	mg/L	1	0.00249	5.00	BIB1937	02/18/2025 03:54	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*		*90.5%*		*54.6-148*					*02/18/2025 03:54*	
SW-8270	*Surrogate: 2-Fluorophenol-surr*		*102%*		*55-152*					*02/18/2025 03:54*	
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*		*97.9%*		*52.4-136*					*02/18/2025 03:54*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr*		*121%*		*52-162*					*02/18/2025 03:54*	
SW-8270	*Surrogate: Phenol-d5-surr*		*104%*		*58.7-152*					*02/18/2025 03:54*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr*		*82.5%*		*51.9-147*					*02/18/2025 03:54*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Sample Results
(Continued)

Client Sample ID: Digester 1
Lab Sample ID: 25B2605-01RE1
Cinco Southwest - Sewage Sludge Annual 162

Sample Matrix: Solid
Date Collected: 02/12/2025 11:45
Collected by: Jimmy Andara

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP											
SW-8081	Chlordane (Total) (Rerun)	A	<0.0300	U	mg/L	1	2.98E-6	0.0300	BIB2629	02/22/2025 01:56	cdg
SW-8081	Endrin (Rerun)	N	<0.0200	U	mg/L	1	2.98E-6	0.0200	BIB2629	02/22/2025 01:56	cdg
SW-8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) (Rerun)	A	<0.400	U	mg/L	1	2.98E-6	0.400	BIB2629	02/22/2025 01:56	cdg
SW-8081	Heptachlor (Rerun)	A	<0.00800	U	mg/L	1	2.98E-6	0.00800	BIB2629	02/22/2025 01:56	cdg
SW-8081	Heptachlor epoxide (Rerun)	A	<0.00800	U	mg/L	1	2.98E-6	0.00800	BIB2629	02/22/2025 01:56	cdg
SW-8081	Methoxychlor (Rerun)	A	<10.0	U	mg/L	1	2.98E-6	10.0	BIB2629	02/22/2025 01:56	cdg
SW-8081	Toxaphene (Chlorinated Camphene) (Rerun)	A	<0.500	U	mg/L	1	2.98E-6	0.500	BIB2629	02/22/2025 01:56	cdg
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*80.4%*		*60-140*					*02/22/2025 01:56*	
SW-8081	*Surrogate: Decachlorobiphenyl-surr (Rerun)*		*39.8%*	*S*	*60-140*					*02/22/2025 01:56*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1535 - SW-3570										
Blank (BIB1535-BLK1)				Prepared: 02/13/2025 Analyzed: 02/17/2025						
Aroclor-1016 (PCB-1016)	<5.99	U	5.99	ug/kg wet						
Aroclor-1221 (PCB-1221)	<5.99	U	5.99	ug/kg wet						
Aroclor-1232 (PCB-1232)	<5.99	U	5.99	ug/kg wet						
Aroclor-1242 (PCB-1242)	<5.99	U	5.99	ug/kg wet						
Aroclor-1248 (PCB-1248)	<5.99	U	5.99	ug/kg wet						
Aroclor-1254 (PCB-1254)	<5.99	U	5.99	ug/kg wet						
Aroclor-1260 (PCB-1260)	<5.99	U	5.99	ug/kg wet						
Aroclor-1262 (PCB-1262)	<5.99	U	5.99	ug/kg wet						
Aroclor-1268 (PCB-1268)	<5.99	U	5.99	ug/kg wet						
PCBs, Total	<5.99	U	5.99	ug/kg wet						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*3.05*	*ug/kg wet*	*5.99*		*50.9*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*4.39*	*ug/kg wet*	*5.99*		*73.2*	*60-140*		
LCS (BIB1535-BS1)				Prepared: 02/13/2025 Analyzed: 02/17/2025						
Aroclor-1016 (PCB-1016)	60.3		5.99	ug/kg wet	59.9		101	60-140		
Aroclor-1260 (PCB-1260)	59.0		5.99	ug/kg wet	59.9		98.5	60-140		
PCBs, Total	59.6		5.99	ug/kg wet	59.9		99.6	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*2.81*	*ug/kg wet*	*5.99*		*46.9*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.15*	*ug/kg wet*	*5.99*		*86.0*	*60-140*		
LCS Dup (BIB1535-BSD1)				Prepared: 02/13/2025 Analyzed: 02/17/2025						
Aroclor-1016 (PCB-1016)	55.7		5.98	ug/kg wet	59.8		93.2	60-140	7.83	40
Aroclor-1260 (PCB-1260)	54.3		5.98	ug/kg wet	59.8		90.7	60-140	8.34	40
PCBs, Total	55.0		5.98	ug/kg wet	59.8		91.9	60-140	8.08	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*2.63*	*ug/kg wet*	*5.98*		*43.9*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*4.75*	*ug/kg wet*	*5.98*		*79.4*	*60-140*		
Matrix Spike (BIB1535-MS1)	**Source: 25B2473-01**			Prepared: 02/13/2025 Analyzed: 02/17/2025						
Aroclor-1016 (PCB-1016)	7300		720	ug/kg dry	7200	<720	101	60-140		
Aroclor-1260 (PCB-1260)	6760		720	ug/kg dry	7200	<720	93.9	60-140		
PCBs, Total	7030		720	ug/kg dry	7200	<720	97.7	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*650*	*ug/kg dry*	*720*		*90.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*594*	*ug/kg dry*	*720*		*82.6*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1535 - SW-3570 (Continued)										
Matrix Spike Dup (BIB1535-MSD1)	**Source: 25B2473-01**			Prepared: 02/13/2025 Analyzed: 02/17/2025						
Aroclor-1016 (PCB-1016)	6900		720	ug/kg dry	7200	<720	95.9	60-140	5.57	40
Aroclor-1260 (PCB-1260)	6520		720	ug/kg dry	7200	<720	90.7	60-140	3.56	40
PCBs, Total	6710		720	ug/kg dry	7200	<720	93.3	60-140	4.60	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*587*	*ug/kg dry*	*720*		*81.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*576*	*ug/kg dry*	*720*		*80.0*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB0787 - SW-7471										
MRL Check (BIB0787-MRL1)					Prepared & Analyzed: 02/14/2025					
Mercury	0.0118	U	0.0200	mg/kg wet	0.0100		118	50-150		
Matrix Spike (BIB0787-MS1)		**Source: 25A1023-44**			Prepared & Analyzed: 02/14/2025					
Mercury	0.260		0.0164	mg/kg dry	0.205	0.0199	117	80-120		
Matrix Spike Dup (BIB0787-MSD1)		**Source: 25A1023-44**			Prepared & Analyzed: 02/14/2025					
Mercury	0.264		0.0165	mg/kg dry	0.206	0.0199	119	80-120	1.60	20
Batch: BIB2477 - SW-3050 for 6010										
Blank (BIB2477-BLK1)					Prepared: 02/20/2025 Analyzed: 02/25/2025					
Arsenic	<1.97	U	1.97	mg/kg wet						
Cadmium	<0.197	U	0.197	mg/kg wet						
Chromium	<0.988	U	0.988	mg/kg wet						
Copper	<1.97	U	1.97	mg/kg wet						
Lead	<0.988	U	0.988	mg/kg wet						
Molybdenum	<0.988	U	0.988	mg/kg wet						
Nickel	<0.988	U	0.988	mg/kg wet						
Potassium	<197	U	197	mg/kg wet						
Total Phosphorus	<197	U	197	mg/kg wet						
Zinc	<0.988	U	0.988	mg/kg wet						
Blank (BIB2477-BLK2)					Prepared: 02/20/2025 Analyzed: 03/04/2025					
Selenium	<1.97	U	1.97	mg/kg wet						
LCS (BIB2477-BS1)					Prepared: 02/20/2025 Analyzed: 02/25/2025					
Arsenic	46.7		1.94	mg/kg wet	48.6		96.1	80-120		
Cadmium	4.58		0.194	mg/kg wet	4.86		94.3	80-120		
Chromium	23.2		0.973	mg/kg wet	24.3		95.7	80-120		
Copper	46.6		1.94	mg/kg wet	48.6		95.9	80-120		
Lead	23.5		0.973	mg/kg wet	24.3		96.8	80-120		
Molybdenum	23.6		0.973	mg/kg wet	24.3		97.3	80-120		
Nickel	23.2		0.973	mg/kg wet	24.3		95.5	80-120		
Potassium	4880		194	mg/kg wet	4860		101	80-120		
Total Phosphorus	4950		194	mg/kg wet	4860		102	80-120		
Zinc	23.8		0.973	mg/kg wet	24.3		97.9	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2477 - SW-3050 for 6010 (Continued)										
LCS (BIB2477-BS2)				Prepared: 02/20/2025 Analyzed: 03/04/2025						
Selenium	51.5		1.94	mg/kg wet	48.6		106	80-120		
Matrix Spike (BIB2477-MS1)		**Source: 25B0493-01**		Prepared: 02/20/2025 Analyzed: 02/25/2025						
Arsenic	51.9		1.99	mg/kg dry	49.8	5.15	94.0	75-125		
Cadmium	5.91		0.199	mg/kg dry	4.98	1.20	94.7	75-125		
Chromium	60.0		4.99	mg/kg dry	24.9	35.2	99.5	75-125		
Copper	1800		99.4	mg/kg dry	1050	887	87.1	75-125		
Lead	66.8		4.99	mg/kg dry	24.9	40.9	104	75-125		
Molybdenum	35.9		0.997	mg/kg dry	24.9	13.4	90.6	75-125		
Nickel	53.9		4.99	mg/kg dry	24.9	29.4	98.4	75-125		
Potassium	8250		199	mg/kg dry	4980	2660	112	75-125		
Total Phosphorus	24100	J1	994	mg/kg dry	9950	7330	168	75-125		
Matrix Spike (BIB2477-MS2)		**Source: 25B0493-01**		Prepared: 02/20/2025 Analyzed: 03/04/2025						
Selenium	63.8		1.99	mg/kg dry	49.8	10.5	107	75-125		
Zinc	2490	J1	99.7	mg/kg dry	1020	1880	60.0	75-125		
Matrix Spike Dup (BIB2477-MSD1)		**Source: 25B0493-01**		Prepared: 02/20/2025 Analyzed: 02/25/2025						
Arsenic	51.8		1.96	mg/kg dry	49.0	5.15	95.1	75-125	0.336	20
Cadmium	5.88		0.196	mg/kg dry	4.90	1.20	95.7	75-125	0.446	20
Chromium	60.8		4.91	mg/kg dry	24.5	35.2	104	75-125	1.28	20
Copper	2420	J1	97.9	mg/kg dry	1030	887	149	75-125	29.6	20
Lead	68.2		4.91	mg/kg dry	24.5	40.9	112	75-125	2.17	20
Molybdenum	36.0		0.982	mg/kg dry	24.5	13.4	92.4	75-125	0.305	20
Nickel	53.8		4.91	mg/kg dry	24.5	29.4	99.5	75-125	0.230	20
Potassium	8140		196	mg/kg dry	4900	2660	112	75-125	1.27	20
Total Phosphorus	1960	J1	979	mg/kg dry	9800	7330	NR	75-125	170	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2477 - SW-3050 for 6010 (Continued)										
Matrix Spike Dup (BIB2477-MSD2)		**Source: 25B0493-01**		Prepared: 02/20/2025 Analyzed: 03/04/2025						
Selenium	64.1		1.96	mg/kg dry	49.0	10.5	109	75-125	0.414	20
Zinc	2450	J1	98.2	mg/kg dry	1000	1880	56.6	75-125	1.78	20
Post Spike (BIB2477-PS1)		**Source: 25B0493-01**		Prepared: 02/20/2025 Analyzed: 02/25/2025						
Arsenic	663	J1		ug/L	500	49.8	123	80-120		
Cadmium	73.4	J1		ug/L	50.0	11.6	124	80-120		
Chromium	378	J1		ug/L	250	341	14.9	80-120		
Copper	1460	J1		ug/L	10500	8580	NR	80-120		
Lead	409	J1		ug/L	250	396	5.05	80-120		
Molybdenum	452	J1		ug/L	250	129	129	80-120		
Nickel	340	J1		ug/L	250	285	22.1	80-120		
Potassium	5380	J1		ug/L	50000	25700	NR	80-120		
Total Phosphorus	25300	J1		ug/L	100000	70900	NR	80-120		
Zinc	6780	J1		ug/L	10200	18200	NR	80-120		
Post Spike (BIB2477-PS2)		**Source: 25B0493-01**		Prepared: 02/20/2025 Analyzed: 03/04/2025						
Selenium	653			ug/L	500	101	110	80-120		
Dilution Check (BIB2477-SRL1)		**Source: 25B0493-01**		Prepared: 02/20/2025 Analyzed: 02/25/2025						
Arsenic	3.96	U	9.86	mg/kg dry		5.15			26.0	10
Cadmium	0.967	U	0.986	mg/kg dry		1.20			21.2	10
Chromium	38.3		4.94	mg/kg dry		35.2			8.24	10
Lead	45.2		4.94	mg/kg dry		40.9			9.90	10
Molybdenum	14.3		4.94	mg/kg dry		13.4			6.69	10
Nickel	32.9	J1	4.94	mg/kg dry		29.4			11.4	10
Potassium	1700	J1	986	mg/kg dry		2660			44.0	10
Total Phosphorus	9880	J1	986	mg/kg dry		7330			29.6	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2477 - SW-3050 for 6010 (Continued)										
Dilution Check (BIB2477-SRL2)			**Source: 25B0493-01**		Prepared: 02/20/2025 Analyzed: 03/04/2025					
Selenium	7.12	U	9.86	mg/kg dry		10.5			38.0	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1664 - Solid Anions No Prep										
Duplicate (BIB1664-DUP1)		**Source: 25B2605-01**			Prepared & Analyzed: 02/13/2025					
Nitrate as N	12100		250	mg/kg dry		11700			3.51	15
MRL Check (BIB1664-MRL1)					Prepared & Analyzed: 02/13/2025					
Nitrate as N	<0.125	J1, U	0.125	mg/kg wet	0.100			50-150		
Matrix Spike (BIB1664-MS1)		**Source: 25B2605-01**			Prepared & Analyzed: 02/13/2025					
Nitrate as N	12200	J1	278	mg/kg dry	222	11700	229	80-120		
Batch: BIB1679 - Percent Solids										
Blank (BIB1679-BLK1)					Prepared: 02/13/2025 Analyzed: 02/14/2025					
% Solids	<0.100	U	0.100	%						
Duplicate (BIB1679-DUP1)		**Source: 25B2821-03**			Prepared: 02/13/2025 Analyzed: 02/14/2025					
% Solids	0.968		0.100	%		0.958			0.999	20
Reference (BIB1679-SRM1)					Prepared: 02/13/2025 Analyzed: 02/14/2025					
% Solids	0.350		0.100	%	0.338		104	86.1-114		
Batch: BIB1693 - NH3-N T										
Blank (BIB1693-BLK1)					Prepared: 02/13/2025 Analyzed: 02/14/2025					
Ammonia as N	<9.94	U	9.94	mg/kg wet						
LCS (BIB1693-BS1)					Prepared: 02/13/2025 Analyzed: 02/14/2025					
Ammonia as N	96.9		9.97	mg/kg wet	99.7		97.2	85-115		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1693 - NH3-N T (Continued)										
Duplicate (BIB1693-DUP1)		**Source: 25B2473-01**		Prepared: 02/13/2025 Analyzed: 02/14/2025						
Ammonia as N	2270	U	2380	mg/kg dry		2070			9.03	20
MRL Check (BIB1693-MRL1)				Prepared: 02/13/2025 Analyzed: 02/14/2025						
Ammonia as N	7.80	U	9.95	mg/kg wet	9.95		78.4	50-150		
Matrix Spike (BIB1693-MS1)		**Source: 25B2473-01**		Prepared: 02/13/2025 Analyzed: 02/14/2025						
Ammonia as N	19600	J1	2370	mg/kg dry	23700	2070	74.1	85-115		
Batch: BIB1846 - TKN T										
Blank (BIB1846-BLK1)				Prepared: 02/14/2025 Analyzed: 02/17/2025						
Total Kjeldahl Nitrogen - (TKN)	<9.77	U	9.77	mg/kg wet						
LCS (BIB1846-BS1)				Prepared: 02/14/2025 Analyzed: 02/17/2025						
Total Kjeldahl Nitrogen - (TKN)	25.0		9.69	mg/kg wet	25.2		99.1	85-115		
Duplicate (BIB1846-DUP1)		**Source: 25B0493-01**		Prepared: 02/14/2025 Analyzed: 02/17/2025						
Total Kjeldahl Nitrogen - (TKN)	43400		212	mg/kg dry		43000			0.876	20
MRL Check (BIB1846-MRL1)				Prepared: 02/14/2025 Analyzed: 02/17/2025						
Total Kjeldahl Nitrogen - (TKN)	46.5		9.88	mg/kg wet	39.5		118	50-150		
Matrix Spike (BIB1846-MS1)		**Source: 25B0493-01**		Prepared: 02/14/2025 Analyzed: 02/17/2025						
Total Kjeldahl Nitrogen - (TKN)	54100	J1	212	mg/kg dry	850	43000	NR	85-115		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

TCLP

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1937 - SW-3511										
MB SV (BIB1937-BLK1)					Prepared & Analyzed: 02/17/2025					
2,4,5-Trichlorophenol	<0.00122	U	0.00122	mg/L						
2,4,6-Trichlorophenol	<0.00122	U	0.00122	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00122	U	0.00122	mg/L						
2-Methylphenol (o-Cresol)	<0.00122	U	0.00122	mg/L						
3,4-Methylphenol	<0.00122	U	0.00122	mg/L						
Hexachlorobenzene	<0.00122	U	0.00122	mg/L						
Hexachlorobutadiene	<0.00122	U	0.00122	mg/L						
Hexachloroethane	<0.00122	U	0.00122	mg/L						
Nitrobenzene	<0.00122	U	0.00122	mg/L						
Pentachlorophenol	<0.00122	U	0.00122	mg/L						
Pyridine	<0.00122	U	0.00122	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0114*	*mg/L*	*0.00978*		*116*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0278*	*mg/L*	*0.0196*		*142*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0252*	*mg/L*	*0.0196*		*129*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0112*	*mg/L*	*0.00978*		*114*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0264*	*mg/L*	*0.0196*		*135*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0106*	*mg/L*	*0.00978*		*108*	*51.9-147*		
BS SV (BIB1937-BS1)					Prepared & Analyzed: 02/17/2025					
2,4,5-Trichlorophenol	0.0207	U	400	mg/L	0.0199		104	60-140		
2,4,6-Trichlorophenol	0.0201	U	2.00	mg/L	0.0199		101	60-140		
2,4-Dinitrotoluene (2,4-DNT)	0.00946	U	0.130	mg/L	0.00995		95.1	60-140		
2-Methylphenol (o-Cresol)	0.0167	U	200	mg/L	0.0199		83.9	60-140		
3,4-Methylphenol	0.0345	U	200	mg/L	0.0398		86.7	60-140		
Hexachlorobenzene	0.00871	U	0.130	mg/L	0.00995		87.5	60-140		
Hexachlorobutadiene	0.00666	U	0.500	mg/L	0.00995		67.0	60-140		
Hexachloroethane	0.00676	U	3.00	mg/L	0.00995		68.0	60-140		
Nitrobenzene	0.0105	U	2.00	mg/L	0.00995		105	60-140		
Pentachlorophenol	0.0214	U	100	mg/L	0.0199		108	36.8-149		
Pyridine	0.0285	U	5.00	mg/L	0.0497		57.3	2.5-101		
Surrogate: 2-Fluorobiphenyl-surr			*0.00855*	*mg/L*	*0.00995*		*86.0*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0210*	*mg/L*	*0.0199*		*106*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0192*	*mg/L*	*0.0199*		*96.7*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00900*	*mg/L*	*0.00995*		*90.5*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0212*	*mg/L*	*0.0199*		*107*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00863*	*mg/L*	*0.00995*		*86.8*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1937 - SW-3511 (Continued)										
BSD SV (BIB1937-BSD1)				Prepared: 02/17/2025 Analyzed: 02/18/2025						
2,4,5-Trichlorophenol	0.0225	U	400	mg/L	0.0199		113	60-140	8.50	40
2,4,6-Trichlorophenol	0.0210	U	2.00	mg/L	0.0199		105	60-140	4.43	40
2,4-Dinitrotoluene (2,4-DNT)	0.00987	U	0.130	mg/L	0.00995		99.2	60-140	4.27	40
2-Methylphenol (o-Cresol)	0.0169	U	200	mg/L	0.0199		84.9	60-140	1.23	40
3,4-Methylphenol	0.0327	U	200	mg/L	0.0398		82.3	60-140	5.18	40
Hexachlorobenzene	0.00953	U	0.130	mg/L	0.00995		95.8	60-140	9.07	40
Hexachlorobutadiene	0.00697	U	0.500	mg/L	0.00995		70.0	60-140	4.47	40
Hexachloroethane	0.00774	U	3.00	mg/L	0.00995		77.8	60-140	13.5	40
Nitrobenzene	0.0106	U	2.00	mg/L	0.00995		106	60-140	1.22	40
Pentachlorophenol	0.0222	U	100	mg/L	0.0199		112	36.8-149	3.46	40
Pyridine	0.0305	U	5.00	mg/L	0.0498		61.4	2.5-101	6.90	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00958*	*mg/L*	*0.00995*		*96.3*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0205*	*mg/L*	*0.0199*		*103*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0198*	*mg/L*	*0.0199*		*99.4*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00953*	*mg/L*	*0.00995*		*95.8*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0201*	*mg/L*	*0.0199*		*101*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00903*	*mg/L*	*0.00995*		*90.7*	*51.9-147*		
BIB1533-BLK1 (BIB1937-LBK1)				Prepared: 02/17/2025 Analyzed: 02/18/2025						
2,4,5-Trichlorophenol	<0.00499	U	0.00499	mg/L						
2,4,6-Trichlorophenol	<0.00499	U	0.00499	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00499	U	0.00499	mg/L						
2-Methylphenol (o-Cresol)	<0.00499	U	0.00499	mg/L						
3,4-Methylphenol	<0.00499	U	0.00499	mg/L						
Hexachlorobenzene	<0.00499	U	0.00499	mg/L						
Hexachlorobutadiene	<0.00499	U	0.00499	mg/L						
Hexachloroethane	<0.00499	U	0.00499	mg/L						
Nitrobenzene	<0.00499	U	0.00499	mg/L						
Pentachlorophenol	<0.00499	U	0.00499	mg/L						
Pyridine	<0.00499	U	0.00499	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0361*	*mg/L*	*0.0399*		*90.5*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0819*	*mg/L*	*0.0798*		*103*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0791*	*mg/L*	*0.0798*		*99.1*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0439*	*mg/L*	*0.0399*		*110*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0728*	*mg/L*	*0.0798*		*91.2*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0249*	*mg/L*	*0.0399*		*62.4*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1937 - SW-3511 (Continued)										
MRL SV (BIB1937-MRL1)					Prepared & Analyzed: 02/17/2025					
2,4,5-Trichlorophenol	0.00141	U	400	mg/L	0.000990		142			
2,4,6-Trichlorophenol	0.00131	U	2.00	mg/L	0.000990		133			
2,4-Dinitrotoluene (2,4-DNT)	0.000704	U	0.130	mg/L	0.000495		142			
2-Methylphenol (o-Cresol)	0.00106	U	200	mg/L	0.000990		107			
3,4-Methylphenol	0.00223	U	200	mg/L	0.00198		113			
Hexachlorobenzene	0.000462	U	0.130	mg/L	0.000495		93.2			
Hexachlorobutadiene	0.000455	U	0.500	mg/L	0.000495		91.9			
Hexachloroethane	0.000378	U	3.00	mg/L	0.000495		76.3			
Nitrobenzene	0.000685	U	2.00	mg/L	0.000495		138			
Pentachlorophenol	0.00150	U	100	mg/L	0.000990		151			
Pyridine	0.00133	U	5.00	mg/L	0.00247		53.6			
Surrogate: 2-Fluorobiphenyl-surr			*0.0116*	*mg/L*	*0.00990*		*117*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0280*	*mg/L*	*0.0198*		*141*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0258*	*mg/L*	*0.0198*		*130*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0125*	*mg/L*	*0.00990*		*127*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0248*	*mg/L*	*0.0198*		*125*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00994*	*mg/L*	*0.00990*		*100*	*51.9-147*		
25B0493-01 MS (BIB1937-MS1)			**Source: 25B0493-01**		Prepared: 02/17/2025 Analyzed: 02/18/2025					
2,4,5-Trichlorophenol	0.0878	U	400	mg/L	0.0798	<400	110	44.9-171		
2,4,6-Trichlorophenol	0.0825	U	2.00	mg/L	0.0798	<2.00	103	34.7-143		
2,4-Dinitrotoluene (2,4-DNT)	0.0410	U	0.130	mg/L	0.0399	<0.130	103	50.3-144		
2-Methylphenol (o-Cresol)	0.0691	U	200	mg/L	0.0798	<200	86.7	60-140		
Hexachlorobenzene	0.0365	U	0.130	mg/L	0.0399	<0.130	91.5	56.1-137		
Hexachlorobutadiene	0.0266	U	0.500	mg/L	0.0399	<0.500	66.8	33.1-110		
Hexachloroethane	0.0283	U	3.00	mg/L	0.0399	<3.00	71.0	36.2-106		
Nitrobenzene	0.0461	U	2.00	mg/L	0.0399	<2.00	116	54.9-156		
Pentachlorophenol	0.0885	U	100	mg/L	0.0798	<100	111	42.2-151		
Pyridine	0.0773	U	5.00	mg/L	0.199	<5.00	38.8	2-87.4		
Surrogate: 2-Fluorobiphenyl-surr			*0.0358*	*mg/L*	*0.0399*		*89.8*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0853*	*mg/L*	*0.0798*		*107*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0801*	*mg/L*	*0.0798*		*100*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0392*	*mg/L*	*0.0399*		*98.2*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0851*	*mg/L*	*0.0798*		*107*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0354*	*mg/L*	*0.0399*		*88.8*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1937 - SW-3511 (Continued)										
Matrix Spike (BIB1937-MS2)			**Source: 25B0493-01RE1**		Prepared: 02/17/2025 Analyzed: 02/19/2025					
3,4-Methylphenol	0.477	U	200	mg/L	0.160	0.355	76.4	43.4-188		
Surrogate: 2-Fluorophenol-surr			*0.0801*	*mg/L*	*0.0798*		*100*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0672*	*mg/L*	*0.0798*		*84.3*	*52.4-136*		
Surrogate: Phenol-d5-surr			*0.112*	*mg/L*	*0.0798*		*140*	*58.7-152*		
25B0493-01 MSD (BIB1937-MSD1)			**Source: 25B0493-01**		Prepared: 02/17/2025 Analyzed: 02/18/2025					
2,4,5-Trichlorophenol	0.0892	U	400	mg/L	0.0798	<400	112	44.9-171	1.66	40
2,4,6-Trichlorophenol	0.0809	U	2.00	mg/L	0.0798	<2.00	101	34.7-143	1.87	40
2,4-Dinitrotoluene (2,4-DNT)	0.0416	U	0.130	mg/L	0.0399	<0.130	104	50.3-144	1.24	40
2-Methylphenol (o-Cresol)	0.0699	U	200	mg/L	0.0798	<200	87.5	60-140	1.11	40
Hexachlorobenzene	0.0355	U	0.130	mg/L	0.0399	<0.130	89.0	56.1-137	2.74	40
Hexachlorobutadiene	0.0297	U	0.500	mg/L	0.0399	<0.500	74.4	33.1-110	10.9	40
Hexachloroethane	0.0321	U	3.00	mg/L	0.0399	<3.00	80.5	36.2-106	12.6	40
Nitrobenzene	0.0466	U	2.00	mg/L	0.0399	<2.00	117	54.9-156	1.16	40
Pentachlorophenol	0.0867	U	100	mg/L	0.0798	<100	109	42.2-151	2.10	40
Pyridine	0.0781	U	5.00	mg/L	0.200	<5.00	39.1	2-87.4	0.940	40
Surrogate: 2-Fluorobiphenyl-surr			*0.0364*	*mg/L*	*0.0399*		*91.2*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0840*	*mg/L*	*0.0798*		*105*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0756*	*mg/L*	*0.0798*		*94.7*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0386*	*mg/L*	*0.0399*		*96.6*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0822*	*mg/L*	*0.0798*		*103*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0351*	*mg/L*	*0.0399*		*87.8*	*51.9-147*		
Matrix Spike Dup (BIB1937-MSD2)			**Source: 25B0493-01RE1**		Prepared: 02/17/2025 Analyzed: 02/19/2025					
3,4-Methylphenol	0.443	U	200	mg/L	0.160	0.355	54.8	43.4-188	7.48	40
Surrogate: 2-Fluorophenol-surr			*0.0778*	*mg/L*	*0.0798*		*97.4*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0696*	*mg/L*	*0.0798*		*87.2*	*52.4-136*		
Surrogate: Phenol-d5-surr			*0.0995*	*mg/L*	*0.0798*		*125*	*58.7-152*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1978 - SW-3511										
Blank (BIB1978-BLK1)				Prepared: 02/17/2025 Analyzed: 02/18/2025						
2,4-D	<0.000119	U	0.000119	mg/L						
Silvex (2,4,5-TP)	<0.000119	U	0.000119	mg/L						
Surrogate: DCAA-surr			*0.0289*	*mg/L*	*0.0250*		*116*	*70-130*		
LCS (BIB1978-BS1)				Prepared: 02/17/2025 Analyzed: 02/18/2025						
2,4-D	0.00481	U	10.0	mg/L	0.00515		93	70-130		
Silvex (2,4,5-TP)	0.00404	U	1.00	mg/L	0.00500		81	70-130		
Surrogate: DCAA-surr			*0.0298*	*mg/L*	*0.0250*		*119*	*70-130*		
LCS Dup (BIB1978-BSD1)				Prepared: 02/17/2025 Analyzed: 02/18/2025						
2,4-D	0.00450	U	10.0	mg/L	0.00515		87	70-130	7	30
Silvex (2,4,5-TP)	0.00380	U	1.00	mg/L	0.00500		76	70-130	6	30
Surrogate: DCAA-surr			*0.0263*	*mg/L*	*0.0250*		*105*	*70-130*		
BIB1533-BLK (BIB1978-LBK1)				Prepared: 02/17/2025 Analyzed: 02/19/2025						
2,4-D	<0.000476	U	0.000476	mg/L						
Silvex (2,4,5-TP)	<0.000476	U	0.000476	mg/L						
Surrogate: DCAA-surr			*0.117*	*mg/L*	*0.0999*		*117*	*70-130*		
Matrix Spike (BIB1978-MS1)		**Source: 25B1371-01**		Prepared: 02/17/2025 Analyzed: 02/18/2025						
2,4-D	0.00465	U	10.0	mg/L	0.00515	0.000242	86	70-130		
Silvex (2,4,5-TP)	0.00406	U	1.00	mg/L	0.00500	<1.00	81	70-130		
Surrogate: DCAA-surr			*0.0286*	*mg/L*	*0.0250*		*115*	*70-130*		
Matrix Spike Dup (BIB1978-MSD1)		**Source: 25B1371-01**		Prepared: 02/17/2025 Analyzed: 02/18/2025						
2,4-D	0.00495	U	10.0	mg/L	0.00515	0.000242	91	70-130	6	30
Silvex (2,4,5-TP)	0.00431	U	1.00	mg/L	0.00500	<1.00	86	70-130	6	30
Surrogate: DCAA-surr			*0.0311*	*mg/L*	*0.0250*		*124*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2207 - SW-7471 TCLP										
Duplicate (BIB2207-DUP1)		**Source: 25B2493-01**			Prepared & Analyzed: 02/19/2025					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
BIB1533-BLK1 (BIB2207-LBK1)					Prepared & Analyzed: 02/19/2025					
Mercury	<0.200	U	0.200	mg/L						
MDL Check (BIB2207-MRL1)					Prepared & Analyzed: 02/19/2025					
Mercury	0.000217	U	0.200	mg/L	0.000200		108			
Matrix Spike (BIB2207-MS1)		**Source: 25B2493-01**			Prepared & Analyzed: 02/19/2025					
Mercury	0.00513	U	0.200	mg/L	0.00500	<0.200	103	80-120		
Batch: BIB2629 - SW-3511										
Blank (BIB2629-BLK1)					Prepared: 02/20/2025 Analyzed: 02/21/2025					
Chlordane (Total)	<1.20E-6	U	1.20E-6	mg/L						
cis-Chlordane (alpha-Chlordane)	<1.20E-6	U	1.20E-6	mg/L						
Endrin	<1.20E-6	U	1.20E-6	mg/L						
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	<1.20E-6	U	1.20E-6	mg/L						
gamma-Chlordane	<1.20E-6	U	1.20E-6	mg/L						
Heptachlor	<1.20E-6	U	1.20E-6	mg/L						
Heptachlor epoxide	<1.20E-6	U	1.20E-6	mg/L						
Methoxychlor	<1.20E-6	U	1.20E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*9.24E-5*	*mg/L*	*0.000120*		*77.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*5.26E-5*	*mg/L*	*0.000120*		*43.9*	*60-140*		
LCS (BIB2629-BS1)					Prepared: 02/20/2025 Analyzed: 02/21/2025					
Toxaphene (Chlorinated Camphene)	0.00110	U	0.500	mg/L	0.00120		91.8	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr		*S*	*7.07E-5*	*mg/L*	*0.000120*		*58.9*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*5.09E-5*	*mg/L*	*0.000120*		*42.4*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2629 - SW-3511 (Continued)										
LCS (BIB2629-BS2)				Prepared: 02/20/2025 Analyzed: 02/21/2025						
Chlordane (Total)	0.000373	U	0.0300	mg/L	0.000479		77.8	60-140		
Endrin	9.81E-5	U	0.0200	mg/L	0.000120		81.9	60-140		
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000105	U	0.400	mg/L	0.000120		87.3	60-140		
Heptachlor	9.30E-5	U	0.00800	mg/L	0.000120		77.7	60-140		
Heptachlor epoxide	9.35E-5	U	0.00800	mg/L	0.000120		78.0	60-140		
Methoxychlor	0.000104	U	10.0	mg/L	0.000120		86.9	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*8.73E-5*	*mg/L*	*0.000120*		*72.9*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*5.94E-5*	*mg/L*	*0.000120*		*49.6*	*60-140*		
LCS Dup (BIB2629-BSD1)				Prepared: 02/20/2025 Analyzed: 02/21/2025						
Toxaphene (Chlorinated Camphene)	0.00112	U	0.500	mg/L	0.00120		93.2	60-140	1.38	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.54E-5*	*mg/L*	*0.000120*		*63.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*5.36E-5*	*mg/L*	*0.000120*		*44.7*	*60-140*		
LCS Dup (BIB2629-BSD2)				Prepared: 02/20/2025 Analyzed: 02/21/2025						
Chlordane (Total)	0.000387	U	0.0300	mg/L	0.000480		80.6	60-140	3.63	40
Endrin	0.000105	U	0.0200	mg/L	0.000120		87.8	60-140	7.09	40
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000112	U	0.400	mg/L	0.000120		93.5	60-140	7.07	40
Heptachlor	9.90E-5	U	0.00800	mg/L	0.000120		82.5	60-140	6.19	40
Heptachlor epoxide	0.000102	U	0.00800	mg/L	0.000120		85.0	60-140	8.67	40
Methoxychlor	9.65E-5	U	10.0	mg/L	0.000120		80.4	60-140	7.60	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*9.80E-5*	*mg/L*	*0.000120*		*81.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*5.40E-5*	*mg/L*	*0.000120*		*45.0*	*60-140*		
BIB1533-BLK1 (BIB2629-LBK1)				Prepared: 02/20/2025 Analyzed: 02/22/2025						
Chlordane (Total)	<6.00E-6	U	6.00E-6	mg/L						
Endrin	<6.00E-6	U	6.00E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<6.00E-6	U	6.00E-6	mg/L						
Heptachlor	<6.00E-6	U	6.00E-6	mg/L						
Heptachlor epoxide	<6.00E-6	U	6.00E-6	mg/L						
Methoxychlor	<6.00E-6	U	6.00E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<6.00E-6	U	6.00E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000549*	*mg/L*	*0.000600*		*91.5*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*0.000194*	*mg/L*	*0.000600*		*32.3*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2629 - SW-3511 (Continued)										
BIB2119-BLK1 (BIB2629-LBK2)				Prepared: 02/20/2025 Analyzed: 02/22/2025						
Chlordane (Total)	<5.98E-6	U	5.98E-6	mg/L						
Endrin	<5.98E-6	U	5.98E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<5.98E-6	U	5.98E-6	mg/L						
Heptachlor	<5.98E-6	U	5.98E-6	mg/L						
Heptachlor epoxide	<5.98E-6	U	5.98E-6	mg/L						
Methoxychlor	<5.98E-6	U	5.98E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<5.98E-6	U	5.98E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000479*	*mg/L*	*0.000598*		*80.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*0.000189*	*mg/L*	*0.000598*		*31.7*	*60-140*		
BIB2458-BLK1 (BIB2629-LBK3)				Prepared: 02/20/2025 Analyzed: 02/22/2025						
Chlordane (Total)	<5.99E-6	U	5.99E-6	mg/L						
Endrin	<5.99E-6	U	5.99E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<5.99E-6	U	5.99E-6	mg/L						
Heptachlor	<5.99E-6	U	5.99E-6	mg/L						
Heptachlor epoxide	<5.99E-6	U	5.99E-6	mg/L						
Methoxychlor	<5.99E-6	U	5.99E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<5.99E-6	U	5.99E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000520*	*mg/L*	*0.000599*		*86.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*0.000235*	*mg/L*	*0.000599*		*39.2*	*60-140*		
Matrix Spike (BIB2629-MS1)		**Source: 25B0493-01RE1**		Prepared: 02/20/2025 Analyzed: 02/21/2025						
Chlordane (Total)	0.00212	U	0.0300	mg/L	0.00240	<0.0300	88.3	60-140		
Endrin	0.000578	U	0.0200	mg/L	0.000600	<0.0200	96.4	60-140		
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000581	U	0.400	mg/L	0.000600	<0.400	96.9	60-140		
Heptachlor	0.000525	U	0.00800	mg/L	0.000600	<0.00800	87.6	60-140		
Heptachlor epoxide	0.000562	U	0.00800	mg/L	0.000600	<0.00800	93.7	60-140		
Methoxychlor	0.000530	U	10.0	mg/L	0.000600	<10.0	88.4	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000488*	*mg/L*	*0.000600*		*81.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*0.000284*	*mg/L*	*0.000600*		*47.3*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2629 - SW-3511 (Continued)										
Matrix Spike Dup (BIB2629-MSD1)			**Source: 25B0493-01RE1**		Prepared: 02/20/2025 Analyzed: 02/22/2025					
Chlordane (Total)	0.00222	U	0.0300	mg/L	0.00240	<0.0300	92.7	60-140	4.62	40
Endrin	0.000618	U	0.0200	mg/L	0.000599	<0.0200	103	60-140	6.60	40
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000585	U	0.400	mg/L	0.000599	<0.400	97.6	60-140	0.613	40
Heptachlor	0.000565	U	0.00800	mg/L	0.000599	<0.00800	94.4	60-140	7.33	40
Heptachlor epoxide	0.000576	U	0.00800	mg/L	0.000599	<0.00800	96.2	60-140	2.44	40
Methoxychlor	0.000601	U	10.0	mg/L	0.000599	<10.0	100	60-140	12.5	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000486*	*mg/L*	*0.000599*		*81.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000374*	*mg/L*	*0.000599*		*62.4*	*60-140*		
Batch: BIB2865 - EPA 200.2 TCLP										
Blank (BIB2865-BLK1)					Prepared: 02/22/2025 Analyzed: 02/24/2025					
Arsenic	<5.00	U	5.00	mg/L						
Barium	<100	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Chromium	<5.00	U	5.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						
LCS (BIB2865-BS1)					Prepared: 02/22/2025 Analyzed: 02/24/2025					
Arsenic	0.513	U	5.00	mg/L	0.500		103	80-120		
Barium	0.496	U	100	mg/L	0.500		99.1	80-120		
Cadmium	0.0505	U	1.00	mg/L	0.0500		101	80-120		
Chromium	0.255	U	5.00	mg/L	0.250		102	80-120		
Lead	0.254	U	5.00	mg/L	0.250		102	80-120		
Selenium	0.519	U	1.00	mg/L	0.500		104	80-120		
Silver	0.0505	U	5.00	mg/L	0.0500		101	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2865 - EPA 200.2 TCLP (Continued)										
Duplicate (BIB2865-DUP1)	**Source: 25B2791-01**			Prepared: 02/22/2025 Analyzed: 02/24/2025						
Arsenic	0.0176	U	5.00	mg/L		0.0144			20.2	20
Barium	0.178	U	100	mg/L		0.174			2.04	20
Cadmium	<1.00	U	1.00	mg/L		<1.00				20
Chromium	<5.00	U	5.00	mg/L		<5.00				20
Lead	<5.00	U	5.00	mg/L		<5.00				20
Selenium	<1.00	U	1.00	mg/L		<1.00				20
Silver	<5.00	U	5.00	mg/L		<5.00				20
BIB2458-LBK1 (BIB2865-LBK1)				Prepared: 02/22/2025 Analyzed: 02/24/2025						
Barium	0.0151	U	100	mg/L						
Chromium	0.00160	U	5.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						
BIB2119-LBK1 (BIB2865-LBK2)				Prepared: 02/22/2025 Analyzed: 02/24/2025						
Barium	0.0152	U	100	mg/L						
Chromium	0.00229	U	5.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						
BIB1533-LBK1 (BIB2865-LBK3)				Prepared: 02/22/2025 Analyzed: 02/24/2025						
Barium	0.0158	U	100	mg/L						
Chromium	0.00195	U	5.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2865 - EPA 200.2 TCLP (Continued)										
BIB2458-LBK1 (BIB2865-LBK4)					Prepared: 02/22/2025 Analyzed: 02/24/2025					
Arsenic	0.0134	U	5.00	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
BIB2119-LBK1 (BIB2865-LBK5)					Prepared: 02/22/2025 Analyzed: 02/24/2025					
Arsenic	<5.00	U	5.00	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
BIB1533-LBK1 (BIB2865-LBK6)					Prepared: 02/22/2025 Analyzed: 02/26/2025					
Arsenic	0.00988	U	5.00	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Matrix Spike (BIB2865-MS1)		**Source: 25B2791-01**			Prepared: 02/22/2025 Analyzed: 02/24/2025					
Arsenic	0.538	U	5.00	mg/L	0.500	0.0144	105	75-125		
Barium	0.646	U	100	mg/L	0.500	0.174	94.5	75-125		
Cadmium	0.0515	U	1.00	mg/L	0.0500	<1.00	103	75-125		
Chromium	0.242	U	5.00	mg/L	0.250	<5.00	96.7	75-125		
Lead	0.238	U	5.00	mg/L	0.250	<5.00	95.0	75-125		
Selenium	0.541	U	1.00	mg/L	0.500	<1.00	108	75-125		
Silver	0.0541	U	5.00	mg/L	0.0500	<5.00	108	75-125		
Post Spike (BIB2865-PS1)		**Source: 25B2791-01**			Prepared: 02/22/2025 Analyzed: 02/24/2025					
Arsenic	216	J1		ug/L	500	14.0	40.3	80-120		
Barium	285	J1		ug/L	500	170	23.1	80-120		
Cadmium	20.7	J1		ug/L	50.0	-0.127	41.4	80-120		
Chromium	100	J1		ug/L	250	0.780	39.9	80-120		
Lead	94.0	J1		ug/L	250	0.604	37.3	80-120		
Selenium	206	J1		ug/L	500	2.37	40.8	80-120		
Silver	20.6	J1		ug/L	50.0	0.858	39.4	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2865 - EPA 200.2 TCLP (Continued)										
Dilution Check (BIB2865-SRL1)			**Source: 25B2791-01**		Prepared: 02/22/2025 Analyzed: 02/24/2025					
Arsenic	0.0258	U	5.00	mg/L		<5.00			56.6	10
Barium	0.186	U	100	mg/L		0.174			6.91	10
Cadmium	<1.00	U	1.00	mg/L		<1.00				10
Chromium	<5.00	U	5.00	mg/L		<5.00				10
Lead	<5.00	U	5.00	mg/L		<5.00				10
Selenium	<1.00	U	1.00	mg/L		<1.00				10
Silver	<5.00	U	5.00	mg/L		<5.00				10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Sample Condition Checklist

Work Order: 25B2605

	Check Points
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/17/2025 12:51

Term and Qualifier Definitions

Item	Definition
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
S	The surrogate recovery was outside the established laboratory recovery limit.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25B2605

Lab PM : Aundra Noe	**Project Name** : Cinco Southwest - Sewage Sludge Annual	**Schedule Comments:**
Inframark Patrick Bond 32259 Morton Road Brookshire, TX 77423 Phone: (281) 505-0452	**Project Comments**: You must use the client's sample stick on-site to collect the effluent fecal samples! Combo- 1408 Samp Combo-5170- Call before collecting samples (in order)James 346-387-5271 Carl 281-960-9702 Russell 832-404-0105 DO & pH COLLECTED AFTER FINAL WEIR	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
25B2605-01	Digester 1		2/12/2025/11:45	S Grab	A Glass 250mL w/ Teflon-lined Lid B HDPE IC 250mL C HDPE MET 250mL D HDPE WC 250mL E Glass Wide 1L w/ Teflon-lined Lid F HDPE 250mL G Glass VOA 60mL Protocol A	Arsenic ICP 6010 4°C Arsenic ICP TCLP 4°C Barium ICP TCLP 4°C Cadmium ICP 6010 4°C Cadmium ICP TCLP 4°C Chromium ICP 6010 4°C Chromium ICP TCLP 4°C Copper ICP 6010 4°C Hg-7471 4°C Hg-7471-TCLP 4°C Lead ICP 6010 4°C Lead ICP TCLP 4°C Molybdenum ICP 6010 4°C Nickel ICP 6010 4°C Potassium ICP 6010 4°C Selenium ICP 6010 4°C Selenium ICP TCLP 4°C Silver ICP TCLP 4°C Total Phosphorus ICP 6(4°C Zinc ICP 6010 4°C HERB-TCLP 4°C OCP-8081-TCLP 4°C PCB-8082 4°C SVOA-TCLP 4°C TCLP Bottle 4°C TCLP ZHE 4°C VOA-TCLP 4°C NH3-N T-350.2 4°C Nitrate as N IC 9056 4°C TKN T-351.3 4°C TS-2540 G 4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25B2605

(Continued)

Lab PM : Aundra Noe	**Project Name** : Cinco Southwest - Sewage Sludge Annual	**Schedule Comments:**
Inframark Patrick Bond 32259 Morton Road Brookshire, TX 77423 Phone: (281) 505-0452	**Project Comments**: You must use the client's sample stick on-site to collect the effluent fecal samples! Combo- 1408 Samp Combo-5170- Call before collecting samples (in order)James 346-387-5271 Carl 281-960-9702 Russell 832-404-0105 DO & pH COLLECTED AFTER FINAL WEIR	

Field Remarks:		**Lab Preservation: (Circle and Write ID Below)** H2SO4 HNO3 NaOH Other:		
Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Jimmy Andara	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature)	Date/Time 2-12-25/15:20	Received for Laboratory By: (Signature) SJK	Date/Time 2/12/25/1520

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID:

Katy South

Laboratory Analysis Report

Total Number of Pages: 7

Job ID : 25022154

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

Client Project Name :
25B2605

Report To :	Client Name:	NWDLS	P.O.#.: 25B2605
	Attn:	Aundra Noe	Sample Collected By:
	Client Address:	130 S Trade Center Pkwy	Date Collected: 02/14/25
	City, State, Zip:	Conroe, Texas, 77385	

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

Client Sample ID	Matrix	A&B Sample ID
25B2605-01	Water	25022154.01

Released By: Gobinath Rangasamy
Title: Project Manager
Date: 2/21/2025

This Laboratory is NELAP (T104704213-23-31) accredited. Effective: 04/01/2024; Expires: 03/31/2025
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 : 02/20/2025 13:10

25.1.22293

Report Number: RPT250221073

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 25022154

Date: 2/21/2025

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

U	Undetected at SDL (Sample Detection Limit).

LABORATORY TEST RESULTS

Job ID : 25022154

Date 2/21/2025

Client Name: NWDLS

Attn: Aundra Noe

Project Name: 25B2605

Client Sample ID: 25B2605-01
Date Collected: 02/14/25
Time Collected: 08:30
Other Information:

Job Sample ID: 25022154.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
SW-846 8260C	Volatile Organic Compounds									
	1,1-Dichloroethylene	<0.00063	mg/L	1.00	0.00063	0.00500		U	02/21/25 03:57	VK
	1,2-Dichloroethane	<0.00057	mg/L	1.00	0.00057	0.00500		U	02/21/25 03:57	VK
	1,4-Dichlorobenzene	<0.00035	mg/L	1.00	0.00035	0.00500		U	02/21/25 03:57	VK
	Benzene	<0.00038	mg/L	1.00	0.00038	0.00500		U	02/21/25 03:57	VK
	Carbon tetrachloride	<0.00050	mg/L	1.00	0.00050	0.00500		U	02/21/25 03:57	VK
	Chlorobenzene	<0.00057	mg/L	1.00	0.00057	0.00500		U	02/21/25 03:57	VK
	Chloroform	<0.00069	mg/L	1.00	0.00069	0.00500		U	02/21/25 03:57	VK
	MEK	0.0173	mg/L	1.00	0.00110	0.00500			02/21/25 03:57	VK
	Tetrachloroethylene	<0.00072	mg/L	1.00	0.00072	0.00500		U	02/21/25 03:57	VK
	Trichloroethylene	<0.00031	mg/L	1.00	0.00031	0.00500		U	02/21/25 03:57	VK
	Vinyl Chloride	<0.00097	mg/L	1.00	0.00097	0.00500		U	02/21/25 03:57	VK
	1,2-Dichloroethane-d4(surr)	113	%	1.00		70-130			02/21/25 03:57	VK
	Dibromofluoromethane(surr)	103	%	1.00		70-130			02/21/25 03:57	VK
	p-Bromofluorobenzene(surr)	103	%	1.00		70-130			02/21/25 03:57	VK
	Toluene-d8(surr)	100	%	1.00		70-130			02/21/25 03:57	VK

QUALITY CONTROL CERTIFICATE

Job ID : 25022154 **Date :** 2/21/2025

Analysis : Volatile Organic Compounds **Method :** SW-846 8260C **Reporting Units :** mg/L

QC Batch ID : Qb250220145 **Created Date :** 02/20/25 **Created By :** KVignesh

Samples in This QC Batch : 25022154.01

Sample Preparation : PB25022060 **Prep Method :** SW-846 5030C **Prep Date :** 02/20/25 14:00 **Prep By :** KVignesh

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
1,1-Dichloroethylene	75-35-4	< MDL	mg/L	1.00	0.005	0.00063		
1,2-Dichloroethane	107-06-2	< MDL	mg/L	1.00	0.005	0.00057		
1,4-Dichlorobenzene	106-46-7	< MDL	mg/L	1.00	0.005	0.00035		
Benzene	71-43-2	< MDL	mg/L	1.00	0.005	0.00038		
Carbon tetrachloride	56-23-5	< MDL	mg/L	1.00	0.005	0.0005		
Chlorobenzene	108-90-7	< MDL	mg/L	1.00	0.005	0.00057		
Chloroform	67-66-3	< MDL	mg/L	1.00	0.005	0.00069		
MEK	78-93-3	< MDL	mg/L	1.00	0.005	0.00113		
Tetrachloroethylene	127-18-4	< MDL	mg/L	1.00	0.005	0.00072		
Trichloroethylene	79-01-6	< MDL	mg/L	1.00	0.005	0.00031		
Vinyl Chloride	75-01-4	< MDL	mg/L	1.00	0.005	0.00097		
Dibromofluoromethane(surr	1868-53-7	99.2	%	1.00				
1,2-Dichloroethane-d4(surr	17060-07-0	104	%	1.00				
Toluene-d8(surr)	2037-26-5	102	%	1.00				
p-Bromofluorobenzene(surr	460-00-4	99.3	%	1.00				

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
1,1-Dichloroethylene	0.04	0.0367	91.8	0.04	0.0347	86.7	5.7	20	80.7-119	
1,2-Dichloroethane	0.04	0.0405	101	0.04	0.0379	94.7	6.7	20	83-121	
1,4-Dichlorobenzene	0.04	0.0382	95.5	0.04	0.0346	86.5	9.9	20	83.8-118	
Benzene	0.04	0.0398	99.4	0.04	0.0373	93.1	6.4	20	84.7-114	
Carbon tetrachloride	0.04	0.0389	97.3	0.04	0.0359	89.8	8.1	20	82-118	
Chlorobenzene	0.04	0.0391	97.9	0.04	0.0368	92	6.2	20	87.4-115	
Chloroform	0.04	0.0383	95.8	0.04	0.0361	90.3	6	20	83.8-118	
MEK	0.04	0.0426	107	0.04	0.0418	105	2	20	69-135	
Tetrachloroethylene	0.04	0.0459	115	0.04	0.0472	118	2.8	20	73.2-129	
Trichloroethylene	0.04	0.0406	102	0.04	0.0380	95	6.7	20	84-118	
Vinyl Chloride	0.04	0.0373	93.4	0.04	0.0353	88.2	5.6	20	73.5-121	

QC Type: MS and MSD
QC Sample ID: 25021960.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1-Dichloroethylene	BRL	0.04	0.0396	99.1						65-141	
1,2-Dichloroethane	BRL	0.04	0.0420	105						67-152	

ab-q213-0321

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 25022154 **Date :** 2/21/2025

Analysis : Volatile Organic Compounds **Method :** SW-846 8260C **Reporting Units :** mg/L

QC Batch ID : Qb250220145 **Created Date :** 02/20/25 **Created By :** KVignesh

Samples in This QC Batch : 25022154.01

QC Type: MS and MSD
QC Sample ID: 25021960.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,4-Dichlorobenzene	BRL	0.04	0.0391	97.8						76-127	
Benzene	BRL	0.04	0.0414	103						73-129	
Carbon tetrachloride	BRL	0.04	0.0402	101						70-136	
Chlorobenzene	BRL	0.04	0.0404	101						69-123	
Chloroform	BRL	0.04	0.0405	101						41.8-164	
MEK	BRL	0.04	0.0530	133						52-148	
Tetrachloroethylene	BRL	0.04	0.0610	152						27.6-194	
Trichloroethylene	BRL	0.04	0.0437	109						70-130	
Vinyl Chloride	BRL	0.04	0.0394	98.6						59.4-140	

NWDLS North Water District Laboratory Services, Inc.

Job ID:25022154

02/20/2025 NWDLS AMS

SUBCONTRACT ORDER

Sending Laboratory:

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Aundra Noe

Subcontracted Laboratory:

A & B Labs
10100 East Freeway, Suite 100
Houston, TX 77029
Phone: (713) 453-6060
Fax: (713) 453-6091

Work Order: 25B2605

Analysis	Due	Expires	Comments

Sample ID: 25B2605-01 ***Solid Sampled: 02/12/2025 11:45***

VOA-TCLP 02/26/2025 02/26/2025 11:45 Leached: 02/14/2025 08:30

01AB

Analyte(s):

1,1-Dichloroethylene
1,4-Dichlorobenzene (p-Dichlorobenzene)
Benzene
Chloroform
Toluene-d8-surr
1,2-Dichloroethane (Ethylene dichloride)
2-Butanone (Methyl ethyl ketone, MEK)
Carbon tetrachloride
Dibromofluoromethane-surr
Trichloroethene (Trichloroethylene)
1,2-Dichloroethane-d4-surr
4-Bromofluorobenzene-surr
Chlorobenzene
Tetrachloroethylene (Perchloroethylene)
Vinyl chloride (Chloroethene)

Containers Supplied:

Released By 2-20-25 13:10 Date

Received By 2/20/25 13:10 Date

4.1°C IR 7

Sample Condition Checklist

A&B JobID : **25022154**	Date Received : **02/20/2025**	Time Received : **1:10PM**
Client Name : **NWDLS**		
Temperature : **4.1°C**	Sample pH : **NA**	
Thermometer ID : **IR7**	pH Paper ID : **NA**	
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:

COC shows solid, recevied water. Sample received in 2-40ml clear glass vials. AM 02/20/25. TAT expedited to 1 day per client request to meet 7 day holding time. AS 2/21/25

Brought by : Client

Received by : Amber

Check in by/date : Amber / 02/20/2025

ab-s005-1123

HC 70 WWTP

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

March 12, 2024

LABORATORY REPORT

John Montgomery
Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Report ID: 20240312105655Sta..

RE: HC MUD 70 - Non Potable - Class B Annual

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,

Stations For Deena Higginbotham
Director of Client Services

ENTERED APR 19 2024

☒ Sludge Manager
☒ Master Spreadsheet
☐ TCLP ☐ Metals
☐ PCB ☒ F/S ☐ & Solid

Pass

NWDLS
8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Municipal Operations and Consulting	Project: HC MUD 70 - Non Potable - Class B Annual	
27316 Spectrum Way	Project Number: 9134	**Reported:**
Oak Ridge, TX 77385	Project Manager: John Montgomery	03/12/2024 10:56

Sample Results

Client Sample ID: Digester
Lab Sample ID: 24C1832-01

Sample Matrix: Solid
Date Collected: 03/06/2024 6:00
Collected by: Angel Rodriguez

Method	Analyte	Result	Q	Units	Batch	Date Analyzed	Analyst
Colilert-18	Fecal coliforms	44100		MPN/g TS dry	BHC0921	03/07/2024 10:40	JKB
Colilert-18	Fecal coliforms	39400		MPN/g TS dry	BHC0921	03/07/2024 10:40	JKB
Colilert-18	Fecal coliforms	40800		MPN/g TS dry	BHC0921	03/07/2024 10:40	JKB
Colilert-18	Fecal coliforms	41600		MPN/g TS dry	BHC0921	03/07/2024 10:40	JKB
Colilert-18	Fecal coliforms	47700		MPN/g TS dry	BHC0921	03/07/2024 10:40	JKB
Colilert-18	Fecal coliforms	31900		MPN/g TS dry	BHC0921	03/07/2024 10:40	JKB
Colilert-18	Fecal coliforms	51900		MPN/g TS dry	BHC0921	03/07/2024 10:40	JKB
SM 2710 B	Specific Oxygen Uptake Rate (SOUR)	0.112		mg O2/hr/g TS @ 20°C dry	BHC0927	03/06/2024 14:36	AKA
SM 2550 B	Temperature °C Field	23.6		°C	BHC1117	03/06/2024 06:00	AR
SM 2540 G	% Solids	1.95		%	BHC0916	03/07/2024 10:08	ENR

The total solids is diluted to <=2.0% for the S.O.U.R. test when necessary.

CLASS B - Pass

Per Title 30, Texas Administrative Code, Chapter 312, for a Class B to pass, the fecal coliform geometric mean must be less than or equal to 2,000,000 CFU/ug TS and the S.O.U.R must be less than or equal to 1.5 mg O2/hr/g TS.

42485
7 | 297400

NWDLS

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Municipal Operations and Consulting	Project: HC MUD 70 - Non Potable - Class B Annual	
27316 Spectrum Way	Project Number: 9134	**Reported:**
Oak Ridge, TX 77385	Project Manager: John Montgomery	03/12/2024 10:56

Quality Control

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC0916 - Percent Solids										
Blank (BHC0916-BLK1)					Prepared: 3/6/2024 Analyzed: 3/7/2024					
% Solids	<0.100	U	0.100	%						
Duplicate (BHC0916-DUP1)	**Source: 24C1769-10**				Prepared: 3/6/2024 Analyzed: 3/7/2024					
% Solids			0.100	%		2.60			0.0242	10
Duplicate (BHC0916-DUP2)	**Source: 24C1834-01**				Prepared: 3/6/2024 Analyzed: 3/7/2024					
% Solids			0.100	%		1.95			0.115	20
Reference (BHC0916-SRM1)					Prepared: 3/6/2024 Analyzed: 3/7/2024					
% Solids			0.100	%	0.350		102	78.9-118		

NWDLS

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Municipal Operations and Consulting	Project: HC MUD 70 - Non Potable - Class B Annual	
27316 Spectrum Way	Project Number: 9134	**Reported:**
Oak Ridge, TX 77385	Project Manager: John Montgomery	03/12/2024 10:56

Quality Control
(Continued)

Microbiology

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC0921 - FC Quantitray										
Blank (BHC0921-BLK1)					Prepared: 3/6/2024 Analyzed: 3/7/2024					
Fecal coliforms	<10.0	U	10.0	MPN/g TS wet						
Duplicate (BHC0921-DUP1)	**Source: 24C1832-01**				Prepared: 3/6/2024 Analyzed: 3/7/2024					
Fecal coliforms			512	MPN/g TS dry		44100			19.7	200

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Municipal Operations and Consulting	Project: HC MUD 70 - Non Potable - Class B Annual	
27316 Spectrum Way	Project Number: 9134	**Reported:**
Oak Ridge, TX 77385	Project Manager: John Montgomery	03/12/2024 10:56

Term and Qualfier Definitions

Item	Definition
U	Non-detected compound.
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy. Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ T104704238-23-39

24C1832

Lab PM : Deena Higginbotham	**Project Name** : HC MUD 70 - Non Potable - Class B Annual **Schedule Comments**
Municipal Operations and Consulting John Montgomery 27316 Spectrum Way Oak Ridge, TX 77385 Phone: (281) 367-5511	**Project Comments**: 18540 Prairie Bend Ct Cypress 77433 ***Collect 1 gallon from East Outfall Sampler & West Outfall Sampler to be composited into Outfall 001 Composite at the lab*** Tony Overstreet 713-542-6983 MUST CALL 30 MIN BEFORE ARRIVAL

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24C1832-01	Digester		3/6/2024 0600	S Grab	A HDPE S150mL Na2S2O3 B HDPE S150mL Na2S2O3 C HDPE S150mL Na2S2O3 D HDPE S150mL Na2S2O3 E HDPE S150mL Na2S2O3 F HDPE S150mL Na2S2O3 G HDPE S150mL Na2S2O3 H HDPE 1L I HDPE 250mL	FC/CB-QT-LR SOUR-2710 SOUR TS-2540 G TS-2540 G	Na2S2O3 <10°C 4°C 4°C 4°C	Temp C Field 23.6°C

Field Remarks:

Lab Preservation: (Circle and Write ID Below) H2SO4 HNO3 NaOH Other:

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Angel Rodriguez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 3/6/24 13:10	Received for Laboratory By: (Signature) KMC	Date/Time 3/6/24 1310

Custody Seal : Yes / No COC Labels Agree: Yes / No Appropriate Volume: Yes / No Received on Ice: Yes / No Temperature: °C

Container Intact : Yes / No Appropnate Containers: Yes / No Coolers Intact: Yes / No Samples Accepted: Yes / No Thermometer ID:

Katy North

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com

March 18, 2024

Laboratory Report

John Montgomery
Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Report ID: 20240318084750AEN

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Aundra Noe For Deena Higginbotham
Director of Client Services

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
03/18/2024 08:47

Sample Results

Client Sample ID: Digester
Lab Sample ID: 24B3344-01
HC MUD 70 - Non Potable - Sewage Sludge Annual 9134

Sample Matrix: Solid
Date Collected: 02/14/2024 6:00
Collected by: Angel Rodriguez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
SW-6010C	Arsenic	A	4.93		mg/kg dry	1	0.432	1.97	BHB3291	02/21/2024 12:01	FAA
SW-6010C	Cadmium	A	0.427		mg/kg dry	1	0.0511	0.197	BHB3291	02/21/2024 12:01	FAA
SW-6010C	Chromium	A	7.39		mg/kg dry	1	0.739	0.987	BHB3291	02/21/2024 12:01	FAA
SW-6010C	Copper	A	206		mg/kg dry	5	1.05	9.84	BHB3291	02/21/2024 15:35	FAA
SW-7471B	Mercury	A	0.561		mg/kg dry	1	0.0118	0.0237	BHB3375	02/20/2024 15:49	ISS
SW-6010C	Lead	A	5.00		mg/kg dry	1	0.502	0.987	BHB3291	02/21/2024 12:01	FAA
SW-6010C	Molybdenum	A	4.67		mg/kg dry	1	0.987	0.987	BHB3291	02/21/2024 12:01	FAA
SW-6010C	Nickel	A	8.35		mg/kg dry	1	0.266	0.987	BHB3291	02/21/2024 12:01	FAA
SW-6010C	Potassium	A	2510		mg/kg dry	1	16.9	197	BHB3291	02/21/2024 12:01	FAA
SW-6010C	Selenium	A	5.30		mg/kg dry	1	0.768	1.97	BHB3291	02/21/2024 12:01	FAA
SW-6010C	Total Phosphorus	A	8080		mg/kg dry	1	8.27	197	BHB3291	02/21/2024 12:01	FAA
SW-6010C	Zinc	A	529		mg/kg dry	20	19.7	19.7	BHB3291	02/21/2024 15:38	FAA
General Chemistry											
EPA 350.2	Ammonia as N	A	4540		mg/kg dry	1	587	1170	BHB3442	02/21/2024 08:27	GIW
SW-9056A	Nitrate as N	A	8900		mg/kg dry	25	74.0	185	BHB2461	02/14/2024 21:00	ORP
EPA 351.3	Total Kjeldahl Nitrogen - (TKN)	N	59000		mg/kg dry	1	1450	1450	BHB2765	02/16/2024 09:31	GIW
SM 2540 G	% Solids	A	1.69		%	1	0.100	0.100	BHB2735	02/16/2024 08:50	ENR

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
03/18/2024 08:47

Quality Control

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHB3291 - SW-3050 for 6010										
Blank (BHB3291-BLK1)					Prepared: 2/19/2024 Analyzed: 2/21/2024					
Arsenic	<1.92	U	1.92	mg/kg wet						
Cadmium	<0.192	U	0.192	mg/kg wet						
Chromium	<0.965	U	0.965	mg/kg wet						
Copper	<1.92	U	1.92	mg/kg wet						
Lead	<0.965	U	0.965	mg/kg wet						
Molybdenum	<0.965	U	0.965	mg/kg wet						
Nickel	<0.965	U	0.965	mg/kg wet						
Potassium	<192	U	192	mg/kg wet						
Selenium	<1.92	U	1.92	mg/kg wet						
Total Phosphorus	<192	U	192	mg/kg wet						
Zinc	<0.965	U	0.965	mg/kg wet						
LCS (BHB3291-BS1)					Prepared: 2/19/2024 Analyzed: 2/21/2024					
Arsenic	48.2		1.93	mg/kg wet	48.3		99.9	80-120		
Cadmium	4.92		0.193	mg/kg wet	4.83		102	80-120		
Chromium	24.2		0.967	mg/kg wet	24.1		100	80-120		
Copper	50.4		1.93	mg/kg wet	48.3		104	80-120		
Lead	24.5		0.967	mg/kg wet	24.1		101	80-120		
Molybdenum	24.7		0.967	mg/kg wet	24.1		102	80-120		
Nickel	24.4		0.967	mg/kg wet	24.1		101	80-120		
Potassium	4850		193	mg/kg wet	4830		100	80-120		
Selenium	48.5		1.93	mg/kg wet	48.3		101	80-120		
Total Phosphorus	4980		193	mg/kg wet	4830		103	80-120		
Zinc	24.6		0.967	mg/kg wet	24.1		102	80-120		
Matrix Spike (BHB3291-MS1)		**Source: 24B3112-01**			Prepared: 2/19/2024 Analyzed: 2/21/2024					
Arsenic	40.9	J1	1.99	mg/kg dry	49.9	6.50	69.0	75-125		
Cadmium	4.10	J1	0.199	mg/kg dry	4.99	0.533	71.6	75-125		
Chromium	46.3	J1	0.999	mg/kg dry	24.9	30.3	64.2	75-125		
Copper	950	J1	39.9	mg/kg dry	1050	264	65.5	75-125		
Lead	28.2	J1	0.999	mg/kg dry	24.9	11.5	67.0	75-125		
Molybdenum	18.9	J1	0.999	mg/kg dry	24.9	2.66	65.3	75-125		
Nickel	32.0	J1	0.999	mg/kg dry	24.9	16.3	63.1	75-125		
Potassium	5570	J1	199	mg/kg dry	4990	1980	71.9	75-125		
Selenium	39.9	J1	1.99	mg/kg dry	49.9	3.57	72.9	75-125		
Total Phosphorus	20100		996	mg/kg dry	9970	11800	82.9	75-125		
Zinc	3380		99.9	mg/kg dry	1020	2260	109	75-125		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
03/18/2024 08:47

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHB3291 - SW-3050 for 6010 (Continued)										
Matrix Spike (BHB3291-MS2)		**Source: 24B3291-02**			Prepared: 2/19/2024 Analyzed: 2/21/2024					
Arsenic	53.8		2.23	mg/kg dry	55.8	6.86	84.2	75-125		
Cadmium	5.18		0.223	mg/kg dry	5.58	0.523	83.5	75-125		
Chromium	32.9		1.12	mg/kg dry	27.9	9.50	84.0	75-125		
Copper	1370		44.6	mg/kg dry	1170	333	88.3	75-125		
Lead	30.2		1.12	mg/kg dry	27.9	7.22	82.4	75-125		
Molybdenum	45.0		1.12	mg/kg dry	27.9	19.7	90.9	75-125		
Nickel	35.7		1.12	mg/kg dry	27.9	11.6	86.4	75-125		
Potassium	8460		223	mg/kg dry	5580	3480	89.4	75-125		
Selenium	63.1		2.23	mg/kg dry	55.8	12.2	91.3	75-125		
Total Phosphorus	25200		1110	mg/kg dry	11200	13200	108	75-125		
Zinc	1780		55.9	mg/kg dry	1140	628	101	75-125		
Matrix Spike Dup (BHB3291-MSD1)		**Source: 24B3112-01**			Prepared: 2/19/2024 Analyzed: 2/21/2024					
Arsenic	42.0	J1	1.99	mg/kg dry	49.9	6.50	71.0	75-125	2.46	20
Cadmium	4.28		0.199	mg/kg dry	4.99	0.533	75.1	75-125	4.17	20
Chromium	47.4	J1	1.00	mg/kg dry	24.9	30.3	68.6	75-125	2.32	20
Copper	1030	J1	39.9	mg/kg dry	1050	264	73.0	75-125	8.03	20
Lead	29.0	J1	1.00	mg/kg dry	24.9	11.5	70.3	75-125	2.91	20
Molybdenum	19.4	J1	1.00	mg/kg dry	24.9	2.66	67.1	75-125	2.35	20
Nickel	33.2	J1	1.00	mg/kg dry	24.9	16.3	68.0	75-125	3.74	20
Potassium	5690	J1	199	mg/kg dry	4990	1980	74.4	75-125	2.18	20
Selenium	41.5		1.99	mg/kg dry	49.9	3.57	76.0	75-125	3.92	20
Total Phosphorus	19700		997	mg/kg dry	9980	11800	79.1	75-125	1.91	20
Zinc	3570	J1	100	mg/kg dry	1020	2260	128	75-125	5.54	20
Matrix Spike Dup (BHB3291-MSD2)		**Source: 24B3291-02**			Prepared: 2/19/2024 Analyzed: 2/21/2024					
Arsenic	48.8		2.23	mg/kg dry	55.9	6.86	75.2	75-125	9.69	20
Cadmium	4.79		0.223	mg/kg dry	5.59	0.523	76.5	75-125	7.73	20
Chromium	30.2	J1	1.12	mg/kg dry	27.9	9.50	74.1	75-125	8.66	20
Copper	1260		44.6	mg/kg dry	1170	333	78.6	75-125	8.59	20
Lead	27.8	J1	1.12	mg/kg dry	27.9	7.22	73.8	75-125	8.24	20
Molybdenum	41.1		1.12	mg/kg dry	27.9	19.7	76.6	75-125	9.17	20
Nickel	32.6	J1	1.12	mg/kg dry	27.9	11.6	74.9	75-125	9.35	20
Potassium	7860		223	mg/kg dry	5590	3480	78.4	75-125	7.40	20
Selenium	57.8		2.23	mg/kg dry	55.9	12.2	81.6	75-125	8.87	20
Total Phosphorus	22000		1120	mg/kg dry	11200	13200	79.5	75-125	13.3	20
Zinc	1750		56.0	mg/kg dry	1140	628	97.6	75-125	2.13	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
03/18/2024 08:47

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHB3291 - SW-3050 for 6010 (Continued)										
Post Spike (BHB3291-PS1)		**Source: 24B3112-01**			Prepared: 2/19/2024 Analyzed: 2/21/2024					
Arsenic	607			ug/L	500	61.6	109	80-120		
Cadmium	60.0			ug/L	50.0	5.05	110	80-120		
Chromium	698	J1		ug/L	250	287	164	80-120		
Copper	4960	J1		ug/L	500	2500	492	80-120		
Lead	405			ug/L	250	109	118	80-120		
Molybdenum	286			ug/L	250	25.2	104	80-120		
Nickel	481	J1		ug/L	250	154	131	80-120		
Potassium	85300	J1		ug/L	50000	18800	133	80-120		
Selenium	592			ug/L	500	33.9	112	80-120		
Total Phosphorus	241000	J1		ug/L	50000	112000	258	80-120		
Post Spike (BHB3291-PS2)		**Source: 24B3291-02**			Prepared: 2/19/2024 Analyzed: 2/21/2024					
Arsenic	600			ug/L	500	58.1	108	80-120		
Cadmium	57.9			ug/L	50.0	4.43	107	80-120		
Chromium	369			ug/L	250	80.4	115	80-120		
Copper	5270	J1		ug/L	500	2820	490	80-120		
Lead	334			ug/L	250	61.1	109	80-120		
Molybdenum	514	J1		ug/L	250	167	139	80-120		
Nickel	401	J1		ug/L	250	98.6	121	80-120		
Selenium	701			ug/L	500	103	119	80-120		
Total Phosphorus	231000	J1		ug/L	50000	111000	239	80-120		
Post Spike (BHB3291-PS3)		**Source: 24B3112-01**			Prepared: 2/19/2024 Analyzed: 3/11/2024					
Zinc	40500	J1		ug/L	250	21400	NR	80-120		
Post Spike (BHB3291-PS4)		**Source: 24B3291-02**			Prepared: 2/19/2024 Analyzed: 3/11/2024					
Potassium	107000	J1		ug/L	50000	29400	154	80-120		
Zinc	9380	J1		ug/L	250	5320	NR	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
03/18/2024 08:47

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHB3291 - SW-3050 for 6010 (Continued)										
Dilution Check (BHB3291-SRL1)			**Source: 24B3112-01**		Prepared: 2/19/2024 Analyzed: 2/21/2024					
Arsenic	13.3		9.96	mg/kg dry		6.50			68.8	10
Cadmium	0.908	U	0.996	mg/kg dry		0.533			51.9	10
Chromium	56.1	J1	5.00	mg/kg dry		30.3			59.7	10
Lead	20.1		5.00	mg/kg dry		11.5			54.6	10
Molybdenum	<5.00	U	5.00	mg/kg dry		<5.00			200	10
Nickel	30.3	J1	5.00	mg/kg dry		16.3			60.1	10
Potassium	3780	J1	996	mg/kg dry		1980			62.4	10
Selenium	4.90	U	9.96	mg/kg dry		<9.96			31.3	10
Total Phosphorus	23100	J1	996	mg/kg dry		11800			64.9	10
Dilution Check (BHB3291-SRL2)			**Source: 24B3291-02**		Prepared: 2/19/2024 Analyzed: 2/21/2024					
Arsenic	13.1		11.2	mg/kg dry		6.86			62.7	10
Cadmium	0.777	U	1.12	mg/kg dry		0.523			38.9	10
Chromium	16.1		5.60	mg/kg dry		9.50			51.8	10
Lead	12.8		5.60	mg/kg dry		7.22			55.6	10
Molybdenum	32.8		5.60	mg/kg dry		19.7			50.0	10
Nickel	19.9	J1	5.60	mg/kg dry		11.6			52.2	10
Potassium	6120	J1	1120	mg/kg dry		3480			55.1	10
Selenium	19.5		11.2	mg/kg dry		12.2			45.8	10
Total Phosphorus	22400	J1	1120	mg/kg dry		13200			52.0	10
Batch: BHB3375 - SW-7471										
MDL Check (BHB3375-MRL1)					Prepared & Analyzed: 2/20/2024					
Mercury	0.0103	U	0.0199	mg/kg wet	0.00995		104			
Matrix Spike (BHB3375-MS1)			**Source: 24B3114-01**		Prepared & Analyzed: 2/20/2024					
Mercury	1.82		0.134	mg/kg dry	0.334	1.52	89.9	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
03/18/2024 08:47

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHB3375 - SW-7471 (Continued)										
Matrix Spike (BHB3375-MS2)		**Source: 24B0869-22**			Prepared & Analyzed: 2/20/2024					
Mercury	0.448	J1	0.0201	mg/kg dry	0.251	0.128	128	80-120		
Matrix Spike Dup (BHB3375-MSD1)		**Source: 24B3114-01**			Prepared & Analyzed: 2/20/2024					
Mercury	1.74	J1	0.134	mg/kg dry	0.334	1.52	64.1	80-120	4.84	20
Matrix Spike Dup (BHB3375-MSD2)		**Source: 24B0869-22**			Prepared & Analyzed: 2/20/2024					
Mercury	0.447	J1	0.0201	mg/kg dry	0.251	0.128	127	80-120	0.179	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
03/18/2024 08:47

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHB2461 - Solid Anions No Prep										
Duplicate (BHB2461-DUP1)		**Source: 24B3492-01**			Prepared & Analyzed: 2/14/2024					
Nitrate as N	97.4		12.1	mg/kg dry		97.2			0.198	15
MRL Check (BHB2461-MRL1)					Prepared & Analyzed: 2/14/2024					
Nitrate as N	0.124	U	0.125	mg/kg wet	0.100		124	50-150		
Matrix Spike (BHB2461-MS1)		**Source: 24B3492-01**			Prepared & Analyzed: 2/14/2024					
Nitrate as N	298		13.4	mg/kg dry	215	97.2	93.7	80-120		
Batch: BHB2735 - Percent Solids										
Blank (BHB2735-BLK1)					Prepared: 2/15/2024 Analyzed: 2/16/2024					
% Solids	<0.100	U	0.100	%						
Duplicate (BHB2735-DUP1)		**Source: 24B3271-01**			Prepared: 2/15/2024 Analyzed: 2/16/2024					
% Solids	1.72		0.100	%		1.71			0.269	20
Duplicate (BHB2735-DUP2)		**Source: 24B3291-01**			Prepared: 2/15/2024 Analyzed: 2/16/2024					
% Solids	1.50		0.100	%		1.50			0.0842	20
Reference (BHB2735-SRM1)					Prepared: 2/15/2024 Analyzed: 2/16/2024					
% Solids	0.351		0.100	%	0.350		100	78.9-118		
Batch: BHB2765 - TKN T										
Blank (BHB2765-BLK1)					Prepared: 2/15/2024 Analyzed: 2/16/2024					
Total Kjeldahl Nitrogen - (TKN)	<9.92	U	9.92	mg/kg wet						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
03/18/2024 08:47

Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHB2765 - TKN T (Continued)										
LCS (BHB2765-BS1)					Prepared: 2/15/2024 Analyzed: 2/16/2024					
Total Kjeldahl Nitrogen - (TKN)	22.3		9.96	mg/kg wet	19.7		113	85-115		
Duplicate (BHB2765-DUP1)		**Source: 24B2874-01**			Prepared: 2/15/2024 Analyzed: 2/16/2024					
Total Kjeldahl Nitrogen - (TKN)	47200		2230	mg/kg dry		51000			7.63	20
Matrix Spike (BHB2765-MS1)		**Source: 24B2874-01**			Prepared: 2/15/2024 Analyzed: 2/16/2024					
Total Kjeldahl Nitrogen - (TKN)	59400		2210	mg/kg dry	8840	51000	95.1	85-115		
Batch: BHB3442 - TKN T										
Blank (BHB3442-BLK1)					Prepared: 2/20/2024 Analyzed: 2/21/2024					
Ammonia as N	<9.97	U	9.97	mg/kg wet						
LCS (BHB3442-BS1)					Prepared: 2/20/2024 Analyzed: 2/21/2024					
Ammonia as N	90.7		10.0	mg/kg wet	100		90.7	85-115		
Duplicate (BHB3442-DUP1)		**Source: 24A5242-27**			Prepared: 2/20/2024 Analyzed: 2/21/2024					
Ammonia as N	63.2	J1	19.3	mg/kg dry		50.3			22.8	20
MRL Check (BHB3442-MRL1)					Prepared: 2/20/2024 Analyzed: 2/21/2024					
Ammonia as N	9.52	U	10.0	mg/kg wet	10.0		95.2	50-150		
Matrix Spike (BHB3442-MS1)		**Source: 24A5242-27**			Prepared: 2/20/2024 Analyzed: 2/21/2024					
Ammonia as N	252		19.3	mg/kg dry	193	50.3	104	85-115		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
03/18/2024 08:47

Sample Condition Checklist

Work Order: 24B3344

Check Points	
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
03/18/2024 08:47

Term and Qualifier Definitions

Item	Definition
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ T104704238-23-39

24B3344

Lab PM : Deena Higginbotham	**Project Name** : HC MUD 70 - Non Potable - Sewage Sludge Annual	**Schedule Comments:**
Municipal Operations and Consulting John Montgomery 27316 Spectrum Way Oak Ridge, TX 77385 Phone: (281) 367-5511	**Project Comments**: 18540 Prairie Bend Ct Cypress 77433 ***Collect 1 gallon from East Outfall Sampler & West Outfall Sampler to be composited into Outfall 001 Composite at the lab*** Tony Overstreet 713-542-6983 MUST CALL 30 MIN BEFORE ARRIVAL	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24B3344-01	Digester		2/14/2024 06:00	S Grab	A HDPE 250mL B HDPE IC 250mL C HDPE MET 250mL D HDPE WC 250mL E HDPE 250mL	Arsenic ICP 6010 4°C Cadmium ICP 6010 4°C Chromium ICP 6010 4°C Copper ICP 6010 4°C Hg-7471 4°C Lead ICP 6010 4°C Molybdenum ICP 6010 4°C Nickel ICP 6010 4°C Potassium ICP 6010 4°C Selenium ICP 6010 4°C Total Phosphorus ICP 6(4°C Zinc ICP 6010 4°C NH3-N T-350.2 4°C Nitrate as N IC 9056 4°C TKN T-351.3 4°C TS-2540 G 4°C	

Field Remarks:		**Lab Preservation:** (Circle and Write ID Below) H2SO4 HNO3 NaOH Other:		
Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Angel Rodriguez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation MUSH	Relinquished To Lab By: (Signature)	Date/Time 2/14/24 13:50	Received for Laboratory By: (Signature) ROR	Date/Time 2/14/24 1350

Custody Seal : Yes / No COC Labels Agree: Yes / No Appropriate Volume: Yes / No Received on Ice: Yes / No Temperature: ____ °C

Container Intact : Yes / No Appropriate Containers: Yes / No Coolers Intact: Yes / No Samples Accepted: Yes / No Thermometer ID: ____

Katy North

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com

April 01, 2024

Laboratory Report

John Montgomery
Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Report ID: 20240401094111AEN

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Aundra Noe For Deena Higginbotham
Director of Client Services

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Sample Results

Client Sample ID: Digester
Lab Sample ID: 24C1834-01
HC MUD 70 - Non Potable - TCLP-PCB 9134

Sample Matrix: Solid
Date Collected: 03/06/2024 6:00
Collected by: Angel Rodriguez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Organics by GC											
SW-8082	PCBs, Total	A	<298	U	ug/kg dry	10	8.50	298	BHC1276	03/13/2024 11:22	KRB
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*107%*		*60-140*					*03/13/2024 11:22*	
SW-8082	*Surrogate: Decachlorobiphenyl-surr*		*92.3%*		*60-140*					*03/13/2024 11:22*	
General Chemistry											
SM 2540 G	% Solids	A	1.95		%	1	0.100	0.100	BHC0916	03/07/2024 10:08	ENR
TCLP											
SW-6010C	Arsenic	A	<5.00	U	mg/L	1	0.00367	5.00	BHC1773	03/15/2024 13:26	AKR
SW-6010C	Barium	A	<100	V2, U	mg/L	1	0.00125	100	BHC1773	03/15/2024 13:26	AKR
SW-6010C	Cadmium	A	<1.00	U	mg/L	1	0.000423	1.00	BHC1773	03/15/2024 13:26	AKR
SW-6010C	Chromium	A	<5.00	B2, U	mg/L	1	0.00131	5.00	BHC1773	03/22/2024 12:59	AKR
SW-8151	2,4-D	A	<10.0	C+, U	mg/L	2	0.000476	10.0	BHC2219	03/16/2024 15:23	KRB
SW-8151	Silvex (2,4,5-TP)	A	<1.00	U	mg/L	2	0.000476	1.00	BHC2219	03/16/2024 15:23	KRB
SW-8151	*Surrogate: DCAA-surr*		*107%*		*70-130*					*03/16/2024 15:23*	
SW-7471B	Mercury	A	<0.200	B2, U	mg/L	1	0.000200	0.200	BHC1765	03/12/2024 15:26	ISS
SW-6010C	Lead	A	<5.00	U	mg/L	1	0.00341	5.00	BHC1773	03/15/2024 13:26	AKR
SW-8081	Chlordane (Total)	A	<0.0300	U	mg/L	1	3.00E-6	0.0300	BHC2446	03/19/2024 01:05	em
SW-8081	Endrin	N	<0.0200	U	mg/L	1	3.00E-6	0.0200	BHC2446	03/19/2024 01:05	em
SW-8081	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	A	<0.400	U	mg/L	1	3.00E-6	0.400	BHC2446	03/19/2024 01:05	em
SW-8081	Heptachlor	A	<0.00800	U	mg/L	1	3.00E-6	0.00800	BHC2446	03/19/2024 01:05	em
SW-8081	Heptachlor epoxide	A	<0.00800	U	mg/L	1	3.00E-6	0.00800	BHC2446	03/19/2024 01:05	em
SW-8081	Methoxychlor	A	<10.0	U	mg/L	1	3.00E-6	10.0	BHC2446	03/19/2024 01:05	em
SW-8081	Toxaphene (Chlorinated Camphene)	A	<0.500	U	mg/L	1	3.00E-6	0.500	BHC2446	03/19/2024 01:05	em
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*92.4%*		*60-140*					*03/19/2024 01:05*	
SW-8081	*Surrogate: Decachlorobiphenyl-surr*		*92.1%*		*60-140*					*03/19/2024 01:05*	
SW-6010C	Selenium	A	<1.00	U	mg/L	1	0.00531	1.00	BHC1773	03/15/2024 13:26	AKR
SW-6010C	Silver	A	<5.00	U	mg/L	1	0.00142	5.00	BHC1773	03/28/2024 12:05	JKC
SW-8270	2,4,5-Trichlorophenol	A	<400	U	mg/L	1	0.00250	400	BHC2126	03/19/2024 00:33	KRB
SW-8270	2,4,6-Trichlorophenol	A	<2.00	U	mg/L	1	0.00250	2.00	BHC2126	03/19/2024 00:33	KRB
SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	U	mg/L	1	0.00250	0.130	BHC2126	03/19/2024 00:33	KRB
SW-8270	2-Methylphenol	A	<200	U	mg/L	1	0.00250	200	BHC2126	03/19/2024 00:33	KRB
SW-8270	3,4-Methylphenol	A	<200	U	mg/L	1	0.00250	200	BHC2126	03/19/2024 00:33	KRB
SW-8270	Hexachlorobenzene	A	<0.130	U	mg/L	1	0.00250	0.130	BHC2126	03/19/2024 00:33	KRB

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Sample Results
(Continued)

Client Sample ID: Digester (Continued)
Lab Sample ID: 24C1834-01
HC MUD 70 - Non Potable - TCLP-PCB 9134

Sample Matrix: Solid
Date Collected: 03/06/2024 6:00
Collected by: Angel Rodriguez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8270	Hexachlorobutadiene	A	<0.500	U	mg/L	1	0.00250	0.500	BHC2126	03/19/2024 00:33	KRB
SW-8270	Hexachloroethane	A	<3.00	U	mg/L	1	0.00250	3.00	BHC2126	03/19/2024 00:33	KRB
SW-8270	Nitrobenzene	A	<2.00	U	mg/L	1	0.00250	2.00	BHC2126	03/19/2024 00:33	KRB
SW-8270	Pentachlorophenol	A	<100	U	mg/L	1	0.00250	100	BHC2126	03/19/2024 00:33	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*		*117%*		*54.6-148*					*03/19/2024 00:33*	
SW-8270	*Surrogate: 2-Fluorophenol-surr*		*101%*		*55-152*					*03/19/2024 00:33*	
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*		*111%*		*52.4-136*					*03/19/2024 00:33*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr*		*104%*		*52-162*					*03/19/2024 00:33*	
SW-8270	*Surrogate: Phenol-d5-surr*		*99.6%*		*58.7-152*					*03/19/2024 00:33*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr*		*107%*		*51.9-147*					*03/19/2024 00:33*	
SW-8260	1,1-Dichloroethylene	A	<0.700	U	mg/L	10	0.00849	0.700	BHC2757	03/15/2024 21:11	EM
SW-8260	1,2-Dichloroethane (Ethylene dichloride)	A	<0.500	U	mg/L	10	0.00870	0.500	BHC2757	03/15/2024 21:11	EM
SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<7.50	U	mg/L	10	0.00641	7.50	BHC2757	03/15/2024 21:11	EM
SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	A	<200	U	mg/L	10	0.0738	200	BHC2757	03/15/2024 21:11	EM
SW-8260	Benzene	A	<0.500	U	mg/L	10	0.00604	0.500	BHC2757	03/15/2024 21:11	EM
SW-8260	Carbon tetrachloride	A	<0.500	U	mg/L	10	0.00500	0.500	BHC2757	03/15/2024 21:11	EM
SW-8260	Chlorobenzene	A	<100	U	mg/L	10	0.00724	100	BHC2757	03/15/2024 21:11	EM
SW-8260	Chloroform	A	<6.00	U	mg/L	10	0.00688	6.00	BHC2757	03/15/2024 21:11	EM
SW-8260	Tetrachloroethylene (Perchloroethylene)	A	<0.700	U	mg/L	10	0.00703	0.700	BHC2757	03/15/2024 21:11	EM
SW-8260	Trichloroethene (Trichloroethylene)	A	<0.500	U	mg/L	10	0.00744	0.500	BHC2757	03/15/2024 21:11	EM
SW-8260	Vinyl chloride (Chloroethene)	A	<0.200	U	mg/L	10	0.0130	0.200	BHC2757	03/15/2024 21:11	EM
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*		*102%*		*70-130*					*03/15/2024 21:11*	
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*		*108%*		*70-130*					*03/15/2024 21:11*	
SW-8260	*Surrogate: Toluene-d8-surr*		*98.9%*		*70-130*					*03/15/2024 21:11*	
SW-8260	*Surrogate: Dibromofluoromethane-surr*		*113%*		*70-130*					*03/15/2024 21:11*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Sample Results
(Continued)

Client Sample ID: Digester
Lab Sample ID: 24C1834-01RE1
HC MUD 70 - Non Potable - TCLP-PCB 9134

Sample Matrix: Solid
Date Collected: 03/06/2024 6:00
Collected by: Angel Rodriguez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP											
SW-8270	Pyridine (Rerun)	A	<5.00	U	mg/L	1	0.00250	5.00	BHC2126	03/23/2024 01:17	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr (Rerun)*		*96.2%*		*54.6-148*					*03/23/2024 01:17*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr (Rerun)*		*110%*		*52-162*					*03/23/2024 01:17*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr (Rerun)*		*87.6%*		*51.9-147*					*03/23/2024 01:17*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC1276 - SW-3570										
MB PCB SLUDGE (BHC1276-BLK1)				Prepared: 3/8/2024 Analyzed: 3/13/2024						
Aroclor-1016 (PCB-1016)	<6.00	U	6.00	ug/kg wet						
Aroclor-1260 (PCB-1260)	<6.00	U	6.00	ug/kg wet						
PCBs, Total	<6.00	U	6.00	ug/kg wet						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*5.64*	*ug/kg wet*	*6.00*		*94.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.16*	*ug/kg wet*	*6.00*		*86.1*	*60-140*		
BS PCB (BHC1276-BS1)				Prepared: 3/8/2024 Analyzed: 3/13/2024						
Aroclor-1016 (PCB-1016)	45.4		6.00	ug/kg wet	60.0		75.6	60-140		
Aroclor-1260 (PCB-1260)	49.7		6.00	ug/kg wet	60.0		82.8	60-140		
PCBs, Total	48.9		6.00	ug/kg wet	60.0		81.6	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.54*	*ug/kg wet*	*6.00*		*126*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*4.87*	*ug/kg wet*	*6.00*		*81.2*	*60-140*		
BSD PCB (BHC1276-BSD1)				Prepared: 3/8/2024 Analyzed: 3/13/2024						
Aroclor-1016 (PCB-1016)	43.8		6.00	ug/kg wet	60.0		73.0	60-140	3.57	40
Aroclor-1260 (PCB-1260)	49.8		6.00	ug/kg wet	60.0		82.9	60-140	0.157	40
PCBs, Total	48.7		6.00	ug/kg wet	60.0		81.2	60-140	0.440	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*4.73*	*ug/kg wet*	*6.00*		*78.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.02*	*ug/kg wet*	*6.00*		*83.7*	*60-140*		
24C1896-01 MS (BHC1276-MS1)		**Source: 24C1896-01**		Prepared: 3/8/2024 Analyzed: 3/13/2024						
Aroclor-1016 (PCB-1016)	3480		418	ug/kg dry	4180	<418	83.4	60-140		
Aroclor-1260 (PCB-1260)	3720		418	ug/kg dry	4180	<418	89.0	60-140		
PCBs, Total	3680		418	ug/kg dry	4180	<418	88.0	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*397*	*ug/kg dry*	*418*		*95.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*373*	*ug/kg dry*	*418*		*89.3*	*60-140*		
24C1896-01 MSD (BHC1276-MSD1)		**Source: 24C1896-01**		Prepared: 3/8/2024 Analyzed: 3/13/2024						
Aroclor-1016 (PCB-1016)	3700		416	ug/kg dry	4160	<416	88.9	60-140	5.92	40
Aroclor-1260 (PCB-1260)	3810		416	ug/kg dry	4160	<416	91.7	60-140	2.53	40
PCBs, Total	3790		416	ug/kg dry	4160	<416	91.2	60-140	3.11	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*408*	*ug/kg dry*	*416*		*98.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*362*	*ug/kg dry*	*416*		*87.2*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC0916 - Percent Solids										
Blank (BHC0916-BLK1)					Prepared: 3/6/2024 Analyzed: 3/7/2024					
% Solids	<0.100	U	0.100	%						
Duplicate (BHC0916-DUP1)		**Source: 24C1769-10**			Prepared: 3/6/2024 Analyzed: 3/7/2024					
% Solids	2.60		0.100	%		2.60			0.0242	10
Duplicate (BHC0916-DUP2)		**Source: 24C1834-01**			Prepared: 3/6/2024 Analyzed: 3/7/2024					
% Solids	1.95		0.100	%		1.95			0.115	20
Reference (BHC0916-SRM1)					Prepared: 3/6/2024 Analyzed: 3/7/2024					
% Solids	0.358		0.100	%	0.350		102	78.9-118		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control
(Continued)

TCLP

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC1765 - SW-7471 TCLP										
Duplicate (BHC1765-DUP1)		**Source: 24C2327-01**			Prepared & Analyzed: 3/12/2024					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
BHC1341-BLK1 (BHC1765-LBK1)					Prepared & Analyzed: 3/12/2024					
Mercury	0.000421	U	0.200	mg/L						
MDL Check (BHC1765-MRL1)					Prepared & Analyzed: 3/12/2024					
Mercury	0.000179	U	0.200	mg/L	0.000200		89.5			
Matrix Spike (BHC1765-MS1)		**Source: 24C2327-01**			Prepared & Analyzed: 3/12/2024					
Mercury	0.00518	U	0.200	mg/L	0.00500	<0.200	104	80-120		
Batch: BHC1773 - EPA 200.2 TCLP										
Blank (BHC1773-BLK1)					Prepared: 3/12/2024 Analyzed: 3/15/2024					
Arsenic	<5.00	U	5.00	mg/L						
Barium	<100	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Blank (BHC1773-BLK3)					Prepared: 3/12/2024 Analyzed: 3/22/2024					
Chromium	<5.00	U	5.00	mg/L						
Blank (BHC1773-BLK5)					Prepared: 3/12/2024 Analyzed: 3/28/2024					
Silver	<5.00	U	5.00	mg/L						
LCS (BHC1773-BS1)					Prepared: 3/12/2024 Analyzed: 3/15/2024					
Arsenic	0.566	U	5.00	mg/L	0.500		113	80-120		
Barium	0.561	U	100	mg/L	0.500		112	80-120		
Cadmium	0.0560	U	1.00	mg/L	0.0500		112	80-120		
Lead	0.286	U	5.00	mg/L	0.250		114	80-120		
Selenium	0.579	U	1.00	mg/L	0.500		116	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC1773 - EPA 200.2 TCLP (Continued)										
LCS (BHC1773-BS3)					Prepared: 3/12/2024 Analyzed: 3/22/2024					
Chromium	0.257	U	5.00	mg/L	0.250		103	80-120		
LCS (BHC1773-BS5)					Prepared: 3/12/2024 Analyzed: 3/28/2024					
Silver	0.0475	U	5.00	mg/L	0.0500		94.9	80-120		
Duplicate (BHC1773-DUP1)		**Source: 24C2327-01**			Prepared: 3/12/2024 Analyzed: 3/15/2024					
Arsenic	0.0162	U	5.00	mg/L		0.0167			3.22	20
Barium	1.46	U	100	mg/L		1.63			11.1	20
Cadmium	0.000640	U	1.00	mg/L		0.000660			3.08	20
Lead	<5.00	U	5.00	mg/L		<5.00				20
Selenium	<1.00	U	1.00	mg/L		<1.00				20
Duplicate (BHC1773-DUP3)		**Source: 24C2327-01**			Prepared: 3/12/2024 Analyzed: 3/22/2024					
Chromium	0.00211	U	5.00	mg/L		0.00176			18.1	20
Duplicate (BHC1773-DUP5)		**Source: 24C2327-01**			Prepared: 3/12/2024 Analyzed: 3/28/2024					
Silver	<5.00	U	5.00	mg/L		<5.00				20
BHC1341-LBK1 (BHC1773-LBK1)					Prepared: 3/12/2024 Analyzed: 3/15/2024					
Arsenic	0.0101	U	5.00	mg/L						
Barium	0.835	U	100	mg/L						
Cadmium	0.000700	U	1.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
BHC1341-LBK1 (BHC1773-LBK3)					Prepared: 3/12/2024 Analyzed: 3/22/2024					
Chromium	0.00225	U	5.00	mg/L						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC1773 - EPA 200.2 TCLP (Continued)										
BHC1341-LBK1 (BHC1773-LBK5)					Prepared: 3/12/2024 Analyzed: 3/28/2024					
Silver	<5.00	U	5.00	mg/L						
Matrix Spike (BHC1773-MS1)		**Source: 24C2327-01**			Prepared: 3/12/2024 Analyzed: 3/15/2024					
Arsenic	0.591	U	5.00	mg/L	0.500	0.0167	115	75-125		
Barium	2.01	U	100	mg/L	0.500	1.63	75.1	75-125		
Cadmium	0.0573	U	1.00	mg/L	0.0500	0.000660	113	75-125		
Lead	0.277	U	5.00	mg/L	0.250	<5.00	111	75-125		
Selenium	0.589	U	1.00	mg/L	0.500	<1.00	118	75-125		
Matrix Spike (BHC1773-MS3)		**Source: 24C2327-01**			Prepared: 3/12/2024 Analyzed: 3/22/2024					
Chromium	0.267	U	5.00	mg/L	0.250	0.00176	106	75-125		
Matrix Spike (BHC1773-MS5)		**Source: 24C2327-01**			Prepared: 3/12/2024 Analyzed: 3/28/2024					
Silver	0.0524	U	5.00	mg/L	0.0500	<5.00	105	75-125		
Post Spike (BHC1773-PS1)		**Source: 24C2327-01**			Prepared: 3/12/2024 Analyzed: 3/15/2024					
Arsenic	583			ug/L	500	16.3	113	80-120		
Barium	1950	J1		ug/L	500	1590	71.6	80-120		
Cadmium	56.3			ug/L	50.0	0.644	111	80-120		
Lead	271			ug/L	250	-1.03	108	80-120		
Selenium	578			ug/L	500	2.55	115	80-120		
Post Spike (BHC1773-PS3)		**Source: 24C2327-01**			Prepared: 3/12/2024 Analyzed: 3/22/2024					
Chromium	254			ug/L	250	1.72	101	80-120		
Post Spike (BHC1773-PS5)		**Source: 24C2327-01**			Prepared: 3/12/2024 Analyzed: 3/28/2024					
Silver	52.7			ug/L	50.0	-0.156	105	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC1773 - EPA 200.2 TCLP (Continued)										
Dilution Check (BHC1773-SRL1)		**Source: 24C2327-01**			Prepared: 3/12/2024 Analyzed: 3/15/2024					
Arsenic	0.0324	U	5.00	mg/L		<5.00			63.6	10
Barium	8.15	J1, U	100	mg/L		1.63			133	10
Cadmium	<1.00	U	1.00	mg/L		<1.00			200	10
Lead	<5.00	U	5.00	mg/L		<5.00				10
Selenium	<1.00	U	1.00	mg/L		<1.00				10
Dilution Check (BHC1773-SRL3)		**Source: 24C2327-01**			Prepared: 3/12/2024 Analyzed: 3/22/2024					
Chromium	<5.00	U	5.00	mg/L		<5.00			200	10
Dilution Check (BHC1773-SRL5)		**Source: 24C2327-01**			Prepared: 3/12/2024 Analyzed: 3/28/2024					
Silver	<5.00	U	5.00	mg/L		<5.00				10
Batch: BHC2126 - SW-3511										
MB SV (BHC2126-BLK1)					Prepared: 3/13/2024 Analyzed: 3/18/2024					
2,4,5-Trichlorophenol	<400	U	400	mg/L						
2,4,6-Trichlorophenol	<2.00	U	2.00	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.130	U	0.130	mg/L						
2-Methylphenol	<200	U	200	mg/L						
3,4-Methylphenol	<200	U	200	mg/L						
Hexachlorobenzene	<0.130	U	0.130	mg/L						
Hexachlorobutadiene	<0.500	U	0.500	mg/L						
Hexachloroethane	<3.00	U	3.00	mg/L						
Nitrobenzene	<2.00	U	2.00	mg/L						
Pentachlorophenol	<100	U	100	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.00941*	*mg/L*	*0.00980*		*96.0*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0205*	*mg/L*	*0.0196*		*104*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0239*	*mg/L*	*0.0196*		*122*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00929*	*mg/L*	*0.00980*		*94.8*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0185*	*mg/L*	*0.0196*		*94.2*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0109*	*mg/L*	*0.00980*		*111*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC2126 - SW-3511 (Continued)										
Blank (BHC2126-BLK2)					Prepared: 3/13/2024 Analyzed: 3/22/2024					
Pyridine	<5.00	U	5.00	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.00978*	*mg/L*	*0.00980*		*99.8*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.00967*	*mg/L*	*0.00980*		*98.6*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.00934*	*mg/L*	*0.00980*		*95.3*	*51.9-147*		
BS SV (BHC2126-BS1)					Prepared: 3/13/2024 Analyzed: 3/18/2024					
2,4,5-Trichlorophenol	0.0195	U	400	mg/L	0.0200		97.3	60-140		
2,4,6-Trichlorophenol	0.0214	U	2.00	mg/L	0.0200		107	60-140		
2,4-Dinitrotoluene (2,4-DNT)	0.00898	U	0.130	mg/L	0.0100		89.8	60-140		
2-Methylphenol	0.0194	U	200	mg/L	0.0200		97.2	60-140		
3,4-Methylphenol	0.0343	U	200	mg/L	0.0400		85.8	60-140		
Hexachlorobenzene	0.0107	U	0.130	mg/L	0.0100		107	60-140		
Hexachlorobutadiene	0.00788	U	0.500	mg/L	0.0100		78.8	60-140		
Hexachloroethane	0.00812	U	3.00	mg/L	0.0100		81.3	60-140		
Nitrobenzene	0.0111	U	2.00	mg/L	0.0100		111	60-140		
Pentachlorophenol	0.0236	U	100	mg/L	0.0200		118	36.8-149		
Surrogate: 2-Fluorobiphenyl-surr			*0.00918*	*mg/L*	*0.0100*		*91.8*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0214*	*mg/L*	*0.0200*		*107*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0204*	*mg/L*	*0.0200*		*102*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00928*	*mg/L*	*0.0100*		*92.8*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0202*	*mg/L*	*0.0200*		*101*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00922*	*mg/L*	*0.0100*		*92.2*	*51.9-147*		
LCS (BHC2126-BS2)					Prepared: 3/13/2024 Analyzed: 3/22/2024					
Pyridine	0.00472	U	5.00	mg/L	0.0500		9.45	2.5-101		
Surrogate: 2-Fluorobiphenyl-surr			*0.00893*	*mg/L*	*0.0100*		*89.3*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.00936*	*mg/L*	*0.0100*		*93.6*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.00897*	*mg/L*	*0.0100*		*89.8*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC2126 - SW-3511 (Continued)										
BSD SV (BHC2126-BSD1)					Prepared: 3/13/2024 Analyzed: 3/18/2024					
2,4,5-Trichlorophenol	0.0215	U	400	mg/L	0.0198		109	60-140	10.0	40
2,4,6-Trichlorophenol	0.0214	U	2.00	mg/L	0.0198		108	60-140	0.0564	40
2,4-Dinitrotoluene (2,4-DNT)	0.00977	U	0.130	mg/L	0.00988		98.9	60-140	8.48	40
2-Methylphenol	0.0198	U	200	mg/L	0.0198		100	60-140	2.04	40
3,4-Methylphenol	0.0354	U	200	mg/L	0.0395		89.6	60-140	3.25	40
Hexachlorobenzene	0.0112	U	0.130	mg/L	0.00988		114	60-140	5.26	40
Hexachlorobutadiene	0.00672	U	0.500	mg/L	0.00988		68.0	60-140	15.9	40
Hexachloroethane	0.00681	U	3.00	mg/L	0.00988		68.9	60-140	17.5	40
Nitrobenzene	0.0103	U	2.00	mg/L	0.00988		105	60-140	7.24	40
Pentachlorophenol	0.0256	U	100	mg/L	0.0198		130	36.8-149	8.39	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00963*	*mg/L*	*0.00988*		*97.4*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0209*	*mg/L*	*0.0198*		*106*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0214*	*mg/L*	*0.0198*		*108*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00991*	*mg/L*	*0.00988*		*100*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0204*	*mg/L*	*0.0198*		*103*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0100*	*mg/L*	*0.00988*		*101*	*51.9-147*		
LCS Dup (BHC2126-BSD2)					Prepared: 3/13/2024 Analyzed: 3/22/2024					
Pyridine	0.00352	U	5.00	mg/L	0.0494		7.11	2.5-101	29.3	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00926*	*mg/L*	*0.00988*		*93.7*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.0103*	*mg/L*	*0.00988*		*104*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.00802*	*mg/L*	*0.00988*		*81.1*	*51.9-147*		
BHC1341-BLK1 (BHC2126-LBK1)					Prepared: 3/13/2024 Analyzed: 3/19/2024					
2,4,5-Trichlorophenol	<400	U	400	mg/L						
2,4,6-Trichlorophenol	<2.00	U	2.00	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.130	U	0.130	mg/L						
2-Methylphenol	<200	U	200	mg/L						
3,4-Methylphenol	<200	U	200	mg/L						
Hexachlorobenzene	<0.130	U	0.130	mg/L						
Hexachlorobutadiene	<0.500	U	0.500	mg/L						
Hexachloroethane	<3.00	U	3.00	mg/L						
Nitrobenzene	<2.00	U	2.00	mg/L						
Pentachlorophenol	<100	U	100	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0409*	*mg/L*	*0.0400*		*102*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0963*	*mg/L*	*0.0800*		*120*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0953*	*mg/L*	*0.0800*		*119*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0476*	*mg/L*	*0.0400*		*119*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0741*	*mg/L*	*0.0800*		*92.6*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0441*	*mg/L*	*0.0400*		*110*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC2126 - SW-3511 (Continued)										
BHC1642-BLK1 (BHC2126-LBK2)					Prepared: 3/13/2024 Analyzed: 3/19/2024					
2,4,5-Trichlorophenol	<400	U	400	mg/L						
2,4,6-Trichlorophenol	<2.00	U	2.00	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.130	U	0.130	mg/L						
2-Methylphenol	<200	U	200	mg/L						
3,4-Methylphenol	<200	U	200	mg/L						
Hexachlorobenzene	<0.130	U	0.130	mg/L						
Hexachlorobutadiene	<0.500	U	0.500	mg/L						
Hexachloroethane	<3.00	U	3.00	mg/L						
Nitrobenzene	<2.00	U	2.00	mg/L						
Pentachlorophenol	<100	U	100	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0386*	*mg/L*	*0.0400*		*96.4*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0827*	*mg/L*	*0.0800*		*103*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.106*	*mg/L*	*0.0800*		*132*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0471*	*mg/L*	*0.0400*		*118*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0682*	*mg/L*	*0.0800*		*85.2*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0452*	*mg/L*	*0.0400*		*113*	*51.9-147*		
BHC1341-BLK1 (BHC2126-LBK3)					Prepared: 3/13/2024 Analyzed: 3/23/2024					
Pyridine	<5.00	U	5.00	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0417*	*mg/L*	*0.0400*		*104*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.0420*	*mg/L*	*0.0400*		*105*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.0324*	*mg/L*	*0.0400*		*81.0*	*51.9-147*		
BHC1642-BLK1 (BHC2126-LBK4)					Prepared: 3/13/2024 Analyzed: 3/23/2024					
Pyridine	<5.00	U	5.00	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0473*	*mg/L*	*0.0400*		*118*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.0428*	*mg/L*	*0.0400*		*107*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.0320*	*mg/L*	*0.0400*		*80.0*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC2126 - SW-3511 (Continued)										
24C2028-01 MS (BHC2126-MS1)			**Source: 24C2028-01**		Prepared: 3/13/2024 Analyzed: 3/18/2024					
2,4,5-Trichlorophenol	0.120	U	400	mg/L	0.0800	<400	149	44.9-171		
2,4,6-Trichlorophenol	0.102	U	2.00	mg/L	0.0800	<2.00	127	34.7-143		
2,4-Dinitrotoluene (2,4-DNT)	0.0529	U	0.130	mg/L	0.0400	<0.130	132	50.3-144		
2-Methylphenol	0.0833	U	200	mg/L	0.0800	<200	104	17.3-182		
3,4-Methylphenol	0.156	L, U	200	mg/L	0.160	<200	97.2	43.4-188		
Hexachlorobenzene	0.0392	U	0.130	mg/L	0.0400	<0.130	98.1	56.1-137		
Hexachlorobutadiene	0.0312	U	0.500	mg/L	0.0400	<0.500	78.1	33.1-110		
Hexachloroethane	0.0320	U	3.00	mg/L	0.0400	<3.00	80.1	36.2-106		
Nitrobenzene	0.0487	U	2.00	mg/L	0.0400	<2.00	122	54.9-156		
Pentachlorophenol	0.103	U	100	mg/L	0.0800	<100	129	42.2-151		
Surrogate: 2-Fluorobiphenyl-surr			*0.0392*	*mg/L*	*0.0400*		*98.0*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0895*	*mg/L*	*0.0800*		*112*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0825*	*mg/L*	*0.0800*		*103*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0403*	*mg/L*	*0.0400*		*101*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0901*	*mg/L*	*0.0800*		*113*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0488*	*mg/L*	*0.0400*		*122*	*51.9-147*		
Matrix Spike (BHC2126-MS2)			**Source: 24C2028-01RE1**		Prepared: 3/13/2024 Analyzed: 3/22/2024					
Pyridine	0.0417	U	5.00	mg/L	0.200	<5.00	20.9	2-87.4		
Surrogate: 2-Fluorobiphenyl-surr			*0.0383*	*mg/L*	*0.0400*		*95.9*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.0427*	*mg/L*	*0.0400*		*107*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.0375*	*mg/L*	*0.0400*		*93.8*	*51.9-147*		
24C2028-01 MSD (BHC2126-MSD1)			**Source: 24C2028-01**		Prepared: 3/13/2024 Analyzed: 3/18/2024					
2,4,5-Trichlorophenol	0.0984	U	400	mg/L	0.0800	<400	123	44.9-171	19.4	40
2,4,6-Trichlorophenol	0.0958	U	2.00	mg/L	0.0800	<2.00	120	34.7-143	6.12	40
2,4-Dinitrotoluene (2,4-DNT)	0.0517	U	0.130	mg/L	0.0400	<0.130	129	50.3-144	2.35	40
2-Methylphenol	0.0871	U	200	mg/L	0.0800	<200	109	17.3-182	4.46	40
3,4-Methylphenol	0.148	L, U	200	mg/L	0.160	<200	92.4	43.4-188	5.14	40
Hexachlorobenzene	0.0383	U	0.130	mg/L	0.0400	<0.130	95.8	56.1-137	2.32	40
Hexachlorobutadiene	0.0322	U	0.500	mg/L	0.0400	<0.500	80.5	33.1-110	3.06	40
Hexachloroethane	0.0277	U	3.00	mg/L	0.0400	<3.00	69.3	36.2-106	14.4	40
Nitrobenzene	0.0505	U	2.00	mg/L	0.0400	<2.00	126	54.9-156	3.56	40
Pentachlorophenol	0.104	U	100	mg/L	0.0800	<100	130	42.2-151	0.960	40
Surrogate: 2-Fluorobiphenyl-surr			*0.0398*	*mg/L*	*0.0400*		*99.6*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0804*	*mg/L*	*0.0800*		*100*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0857*	*mg/L*	*0.0800*		*107*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0372*	*mg/L*	*0.0400*		*93.1*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0839*	*mg/L*	*0.0800*		*105*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0444*	*mg/L*	*0.0400*		*111*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC2126 - SW-3511 (Continued)										
Matrix Spike Dup (BHC2126-MSD2)			**Source: 24C2028-01RE1**		Prepared: 3/13/2024 Analyzed: 3/22/2024					
Pyridine	0.0453	U	5.00	mg/L	0.200	<5.00	22.6	2-87.4	8.09	40
Surrogate: 2-Fluorobiphenyl-surr			*0.0388*	*mg/L*	*0.0400*		*97.0*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.0432*	*mg/L*	*0.0400*		*108*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.0324*	*mg/L*	*0.0400*		*80.9*	*51.9-147*		
Batch: BHC2219 - SW-3511										
Blank (BHC2219-BLK1)					Prepared: 3/13/2024 Analyzed: 3/16/2024					
2,4-D	<10.0	U	10.0	mg/L						
Silvex (2,4,5-TP)	<1.00	U	1.00	mg/L						
Surrogate: DCAA-surr			*0.0216*	*mg/L*	*0.0250*		*86*	*70-130*		
LCS (BHC2219-BS1)					Prepared: 3/13/2024 Analyzed: 3/16/2024					
2,4-D	0.00414	U	10.0	mg/L	0.00515		80	70-130		
Silvex (2,4,5-TP)	0.00425	U	1.00	mg/L	0.00500		85	70-130		
Surrogate: DCAA-surr			*0.0217*	*mg/L*	*0.0250*		*87*	*70-130*		
LCS Dup (BHC2219-BSD1)					Prepared: 3/13/2024 Analyzed: 3/16/2024					
2,4-D	0.00418	U	10.0	mg/L	0.00515		81	70-130	1	30
Silvex (2,4,5-TP)	0.00418	U	1.00	mg/L	0.00500		84	70-130	2	30
Surrogate: DCAA-surr			*0.0242*	*mg/L*	*0.0250*		*97*	*70-130*		
BHC1642-BLK1 (BHC2219-LBK1)					Prepared: 3/13/2024 Analyzed: 3/16/2024					
2,4-D	<10.0	U	10.0	mg/L						
Silvex (2,4,5-TP)	<1.00	U	1.00	mg/L						
Surrogate: DCAA-surr			*0.0896*	*mg/L*	*0.100*		*90*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC2219 - SW-3511 (Continued)										
BHB1341-BLK1 (BHC2219-LBK2)					Prepared: 3/13/2024 Analyzed: 3/16/2024					
2,4-D	<10.0	U	10.0	mg/L						
Silvex (2,4,5-TP)	<1.00	U	1.00	mg/L						
Surrogate: DCAA-surr			*0.0932*	*mg/L*	*0.100*		*93*	*70-130*		
Matrix Spike (BHC2219-MS1)		**Source: 24C1678-01**			Prepared: 3/13/2024 Analyzed: 3/16/2024					
2,4-D	0.0161	U	10.0	mg/L	0.0206	<10.0	78	70-130		
Silvex (2,4,5-TP)	0.0162	U	1.00	mg/L	0.0200	<1.00	81	70-130		
Surrogate: DCAA-surr			*0.0925*	*mg/L*	*0.100*		*92*	*70-130*		
Matrix Spike Dup (BHC2219-MSD1)		**Source: 24C1678-01**			Prepared: 3/13/2024 Analyzed: 3/16/2024					
2,4-D	0.0156	U	10.0	mg/L	0.0206	<10.0	76	70-130	3	30
Silvex (2,4,5-TP)	0.0157	U	1.00	mg/L	0.0200	<1.00	79	70-130	3	30
Surrogate: DCAA-surr			*0.0941*	*mg/L*	*0.100*		*94*	*70-130*		
Batch: BHC2446 - SW-3511										
Blank (BHC2446-BLK1)					Prepared: 3/14/2024 Analyzed: 3/18/2024					
Chlordane (Total)	<0.0300	U	0.0300	mg/L						
Endrin	<0.0200	U	0.0200	mg/L						
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	<0.400	U	0.400	mg/L						
Heptachlor	<0.00800	U	0.00800	mg/L						
Heptachlor epoxide	<0.00800	U	0.00800	mg/L						
Methoxychlor	<10.0	U	10.0	mg/L						
Toxaphene (Chlorinated Camphene)	<0.500	U	0.500	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000109*	*mg/L*	*0.000120*		*91.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000106*	*mg/L*	*0.000120*		*88.3*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC2446 - SW-3511 (Continued)										
LCS TOX (BHC2446-BS1)					Prepared: 3/14/2024 Analyzed: 3/18/2024					
Toxaphene (Chlorinated Camphene)	0.00112	U	0.500	mg/L	0.00120		93.4	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000111*	*mg/L*	*0.000120*		*92.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000129*	*mg/L*	*0.000120*		*107*	*60-140*		
LCS (BHC2446-BS2)					Prepared: 3/14/2024 Analyzed: 3/18/2024					
Chlordane (Total)	0.000379	U	0.0300	mg/L	0.000480		79.0	60-140		
Endrin	8.98E-5	U	0.0200	mg/L	0.000120		74.9	60-140		
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	0.000115	U	0.400	mg/L	0.000120		95.8	60-140		
Heptachlor	0.000104	U	0.00800	mg/L	0.000120		87.0	60-140		
Heptachlor epoxide	9.28E-5	U	0.00800	mg/L	0.000120		77.3	60-140		
Methoxychlor	9.04E-5	U	10.0	mg/L	0.000120		75.3	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000135*	*mg/L*	*0.000120*		*113*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000126*	*mg/L*	*0.000120*		*105*	*60-140*		
LCSD TOX (BHC2446-BSD1)					Prepared: 3/14/2024 Analyzed: 3/18/2024					
Toxaphene (Chlorinated Camphene)	0.00117	U	0.500	mg/L	0.00120		97.4	60-140	4.19	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000102*	*mg/L*	*0.000120*		*85.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000117*	*mg/L*	*0.000120*		*97.1*	*60-140*		
LCS Dup (BHC2446-BSD2)					Prepared: 3/14/2024 Analyzed: 3/18/2024					
Chlordane (Total)	0.000332	U	0.0300	mg/L	0.000480		69.3	60-140	13.1	40
Endrin	8.01E-5	U	0.0200	mg/L	0.000120		66.8	60-140	11.4	40
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	8.16E-5	U	0.400	mg/L	0.000120		68.0	60-140	33.9	40
Heptachlor	8.76E-5	U	0.00800	mg/L	0.000120		73.0	60-140	17.6	40
Heptachlor epoxide	8.36E-5	U	0.00800	mg/L	0.000120		69.6	60-140	10.5	40
Methoxychlor	8.30E-5	U	10.0	mg/L	0.000120		69.2	60-140	8.48	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000112*	*mg/L*	*0.000120*		*93.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000104*	*mg/L*	*0.000120*		*86.8*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC2446 - SW-3511 (Continued)										
BHC1341-BLK1 (BHC2446-LBK1)					Prepared: 3/14/2024 Analyzed: 3/19/2024					
Chlordane (Total)	1.48E-5	U	0.0300	mg/L						
Endrin	9.15E-6	U	0.0200	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<0.400	U	0.400	mg/L						
Heptachlor	<0.00800	U	0.00800	mg/L						
Heptachlor epoxide	6.45E-6	U	0.00800	mg/L						
Methoxychlor	<10.0	U	10.0	mg/L						
Toxaphene (Chlorinated Camphene)	<0.500	U	0.500	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000622*	*mg/L*	*0.000600*		*104*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*0.000343*	*mg/L*	*0.000600*		*57.1*	*60-140*		
Matrix Spike (BHC2446-MS1)		**Source: 24C1834-01**			Prepared: 3/14/2024 Analyzed: 3/19/2024					
Chlordane (Total)	0.00146	U	0.0300	mg/L	0.00240	2.44E-5	60.0	60-140		
Endrin	0.000390	U	0.0200	mg/L	0.000600	<0.0200	65.1	60-140		
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000379	U	0.400	mg/L	0.000600	<0.400	63.2	60-140		
Heptachlor	0.000366	U	0.00800	mg/L	0.000600	<0.00800	61.0	60-140		
Heptachlor epoxide	0.000360	J1, U	0.00800	mg/L	0.000600	6.33E-6	58.9	60-140		
Methoxychlor	0.000436	U	10.0	mg/L	0.000600	<10.0	72.7	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000523*	*mg/L*	*0.000600*		*87.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000534*	*mg/L*	*0.000600*		*89.1*	*60-140*		
Matrix Spike Dup (BHC2446-MSD1)		**Source: 24C1834-01**			Prepared: 3/14/2024 Analyzed: 3/19/2024					
Chlordane (Total)	0.00148	U	0.0300	mg/L	0.00240	2.44E-5	60.8	60-140	1.39	40
Endrin	0.000378	U	0.0200	mg/L	0.000600	<0.0200	63.0	60-140	3.22	40
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000392	U	0.400	mg/L	0.000600	<0.400	65.4	60-140	3.37	40
Heptachlor	0.000379	U	0.00800	mg/L	0.000600	<0.00800	63.1	60-140	3.40	40
Heptachlor epoxide	0.000371	U	0.00800	mg/L	0.000600	6.33E-6	60.8	60-140	3.20	40
Methoxychlor	0.000440	U	10.0	mg/L	0.000600	<10.0	73.4	60-140	0.842	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000554*	*mg/L*	*0.000600*		*92.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000525*	*mg/L*	*0.000600*		*87.6*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC2757 - SW-5030										
Blank (BHC2757-BLK1)					Prepared & Analyzed: 3/15/2024					
1,1-Dichloroethylene	<0.700	U	0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.500	U	0.500	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<7.50	U	7.50	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<200	U	200	mg/L						
Benzene	<0.500	U	0.500	mg/L						
Carbon tetrachloride	<0.500	U	0.500	mg/L						
Chlorobenzene	<100	U	100	mg/L						
Chloroform	<6.00	U	6.00	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.700	U	0.700	mg/L						
Trichloroethene (Trichloroethylene)	<0.500	U	0.500	mg/L						
Vinyl chloride (Chloroethene)	<0.200	U	0.200	mg/L						
Surrogate: 4-Bromofluorobenzene-surr			*51.4*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*49.7*	*ug/L*	*50.0*		*99.3*	*70-130*		
Surrogate: Toluene-d8-surr			*49.0*	*ug/L*	*50.0*		*97.9*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*50.8*	*ug/L*	*50.0*		*102*	*70-130*		
LCS (BHC2757-BS1)					Prepared & Analyzed: 3/15/2024					
1,1-Dichloroethylene	0.0426	U	0.700	mg/L	0.0500		85.2	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0404	U	0.500	mg/L	0.0500		80.7	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0418	U	7.50	mg/L	0.0500		83.6	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.414	U	200	mg/L	0.500		82.8	70-130		
Benzene	0.0420	U	0.500	mg/L	0.0500		84.0	70-130		
Carbon tetrachloride	0.0422	U	0.500	mg/L	0.0500		84.4	70-130		
Chlorobenzene	0.0426	U	100	mg/L	0.0500		85.3	70-130		
Chloroform	0.0394	U	6.00	mg/L	0.0500		78.9	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0451	U	0.700	mg/L	0.0500		90.3	70-130		
Trichloroethene (Trichloroethylene)	0.0432	U	0.500	mg/L	0.0500		86.5	70-130		
Vinyl chloride (Chloroethene)	0.0418	U	0.200	mg/L	0.0500		83.6	70-130		
Surrogate: 4-Bromofluorobenzene-surr			*49.7*	*ug/L*	*50.0*		*99.3*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*46.4*	*ug/L*	*50.0*		*92.8*	*70-130*		
Surrogate: Toluene-d8-surr			*50.0*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*48.0*	*ug/L*	*50.0*		*96.0*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC2757 - SW-5030 (Continued)										
LCS Dup (BHC2757-BSD1)					Prepared & Analyzed: 3/15/2024					
1,1-Dichloroethylene	0.0412	U	0.700	mg/L	0.0500		82.4	70-130	3.36	30
1,2-Dichloroethane (Ethylene dichloride)	0.0397	U	0.500	mg/L	0.0500		79.4	70-130	1.60	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0420	U	7.50	mg/L	0.0500		83.9	70-130	0.335	30
2-Butanone (Methyl ethyl ketone, MEK)	0.409	U	200	mg/L	0.500		81.9	70-130	1.12	30
Benzene	0.0412	U	0.500	mg/L	0.0500		82.5	70-130	1.85	30
Carbon tetrachloride	0.0412	U	0.500	mg/L	0.0500		82.3	70-130	2.49	30
Chlorobenzene	0.0409	U	100	mg/L	0.0500		81.9	70-130	4.10	30
Chloroform	0.0378	U	6.00	mg/L	0.0500		75.6	70-130	4.21	30
Tetrachloroethylene (Perchloroethylene)	0.0403	U	0.700	mg/L	0.0500		80.7	70-130	11.3	30
Trichloroethene (Trichloroethylene)	0.0415	U	0.500	mg/L	0.0500		83.0	70-130	4.12	30
Vinyl chloride (Chloroethene)	0.0360	U	0.200	mg/L	0.0500		72.1	70-130	14.7	30
Surrogate: 4-Bromofluorobenzene-surr			*49.8*	*ug/L*	*50.0*		*99.7*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*47.0*	*ug/L*	*50.0*		*93.9*	*70-130*		
Surrogate: Toluene-d8-surr			*49.3*	*ug/L*	*50.0*		*98.7*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*47.7*	*ug/L*	*50.0*		*95.4*	*70-130*		
BHC2495-BLK1 (BHC2757-LBK1)					Prepared & Analyzed: 3/15/2024					
1,1-Dichloroethylene	<0.700	U	0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.500	U	0.500	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<7.50	U	7.50	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<200	U	200	mg/L						
Benzene	<0.500	U	0.500	mg/L						
Carbon tetrachloride	<0.500	U	0.500	mg/L						
Chlorobenzene	<100	U	100	mg/L						
Chloroform	<6.00	U	6.00	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.700	U	0.700	mg/L						
Trichloroethene (Trichloroethylene)	<0.500	U	0.500	mg/L						
Vinyl chloride (Chloroethene)	<0.200	U	0.200	mg/L						
Surrogate: 4-Bromofluorobenzene-surr			*51.9*	*ug/L*	*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*50.5*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8-surr			*53.3*	*ug/L*	*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*53.8*	*ug/L*	*50.0*		*108*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHC2757 - SW-5030 (Continued)										
Matrix Spike (BHC2757-MS1)	**Source: 24C2022-01**				Prepared & Analyzed: 3/15/2024					
1,1-Dichloroethylene	0.0499	U	0.700	mg/L	0.0500	<0.700	99.7	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0469	U	0.500	mg/L	0.0500	<0.500	93.9	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0560	U	7.50	mg/L	0.0500	<7.50	112	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.555	U	200	mg/L	0.500	0.0819	94.6	70-130		
Benzene	0.0500	U	0.500	mg/L	0.0500	<0.500	99.9	70-130		
Carbon tetrachloride	0.0503	U	0.500	mg/L	0.0500	<0.500	101	70-130		
Chlorobenzene	0.0501	U	100	mg/L	0.0500	<100	100	70-130		
Chloroform	<6.00	J1, U	6.00	mg/L	0.0500	<6.00		70-130		
Tetrachloroethylene (Perchloroethylene)	0.0463	U	0.700	mg/L	0.0500	<0.700	92.5	70-130		
Trichloroethene (Trichloroethylene)	0.0525	U	0.500	mg/L	0.0500	<0.500	105	70-130		
Vinyl chloride (Chloroethene)	0.0465	U	0.200	mg/L	0.0500	<0.200	93.1	70-130		
Surrogate: 4-Bromofluorobenzene-surr			*49.3*	*ug/L*	*50.0*		*98.6*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*50.4*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8-surr			*50.1*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*51.4*	*ug/L*	*50.0*		*103*	*70-130*		
Matrix Spike Dup (BHC2757-MSD1)	**Source: 24C2022-01**				Prepared & Analyzed: 3/15/2024					
1,1-Dichloroethylene	0.0369	U	0.700	mg/L	0.0500	<0.700	73.9	70-130	29.7	30
1,2-Dichloroethane (Ethylene dichloride)	0.0368	U	0.500	mg/L	0.0500	<0.500	73.5	70-130	24.3	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0400	J1, U	7.50	mg/L	0.0500	<7.50	80.0	70-130	33.4	30
2-Butanone (Methyl ethyl ketone, MEK)	0.383	J1, U	200	mg/L	0.500	0.0819	60.1	70-130	36.8	30
Benzene	0.0401	U	0.500	mg/L	0.0500	<0.500	80.1	70-130	22.0	30
Carbon tetrachloride	0.0401	U	0.500	mg/L	0.0500	<0.500	80.1	70-130	22.8	30
Chlorobenzene	0.0393	U	100	mg/L	0.0500	<100	78.6	70-130	24.2	30
Chloroform	<6.00	J1, U	6.00	mg/L	0.0500	<6.00		70-130		30
Tetrachloroethylene (Perchloroethylene)	0.0382	U	0.700	mg/L	0.0500	<0.700	76.3	70-130	19.2	30
Trichloroethene (Trichloroethylene)	0.0394	U	0.500	mg/L	0.0500	<0.500	78.8	70-130	28.5	30
Vinyl chloride (Chloroethene)	0.0307	J1, U	0.200	mg/L	0.0500	<0.200	61.5	70-130	40.9	30
Surrogate: 4-Bromofluorobenzene-surr			*51.0*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*49.1*	*ug/L*	*50.0*		*98.3*	*70-130*		
Surrogate: Toluene-d8-surr			*50.0*	*ug/L*	*50.0*		*99.9*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*49.2*	*ug/L*	*50.0*		*98.5*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Sample Condition Checklist

Work Order: 24C1834

	Check Points
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
04/01/2024 09:41

Term and Qualifier Definitions

Item	Definition
B2	The analyte was detected in the associated leach blank.
C+	The associated calibration QC is higher than the established quality control criteria for accuracy - no hit in sample; data not affected and acceptable to report.
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
L	Off scale high - The concentration of the analyte exceeds the linear range.
S	The surrogate recovery was outside the established laboratory recovery limit.
U	Non-detected compound.
V2	The analyte was detected in the sample and the associated leach blank.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available

CHAIN OF CUSTODY RECORD

NWDLS
North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ T104704238-23-39

24C1834

Lab PM : Deena Higginbotham	**Project Name** : HC MUD 70 - Non Potable - TCLP-PCB	**Schedule Comments:**
Municipal Operations and Consulting John Montgomery 27316 Spectrum Way Oak Ridge, TX 77385 Phone: (281) 367-5511	**Project Comments**: 18540 Prairie Bend Ct Cypress 77433 ***Collect 1 gallon from East Outfall Sampler & West Outfall Sampler to be composited into Outfall 001 Composite at the lab*** Tony Overstreet 713-542-6983 MUST CALL 30 MIN BEFORE ARRIVAL	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24C1834-01	Digester		3/6/2024 06:00	S Grab	A Glass 250mL w/ Teflon-lined Lid B Glass Wide 1L w/ Teflon-lined Lid C HDPE 250mL D Glass VOA 60mL	Arsenic ICP TCLP Barium ICP TCLP Cadmium ICP TCLP Chromium ICP TCLP Hg-7471-TCLP Lead ICP TCLP Selenium ICP TCLP Silver ICP TCLP HERB-TCLP OCP-TCLP PCB-8082 SVOA-TCLP	4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C	
						TCLP Bottle TCLP ZHE VOA-TCLP TS-2540 G	4°C 4°C 4°C 4°C	

Field Remarks:

Lab Preservation: (Circle and Write ID Below) H2SO4 HNO3 NaOH Other:

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Angel Rodriguez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDS	Relinquished To Lab By: (Signature)	Date/Time 3/6/24 13:10	Received for Laboratory By: (Signature) KMC	Date/Time 3/6/24 1310

Custody Seal : Yes / No — COC Labels Agree: Yes / No — Appropriate Volume: Yes / No — Received on Ice: Yes / No — Temperature: °C

Container Intact : Yes / No — Appropriate Containers: Yes / No — Coolers Intact: Yes / No — Samples Accepted: Yes / No — Thermometer ID:

Katy North

MC 112 WWTP

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

February 27, 2025

MOC Municipal Operations and Consulting
Montgomery County MUD 112
20141 Schiel Road
Cypress, TX 77433

RE: **MC MUD 112 Sludge**

Enclosed are the results of analyses for samples received by the laboratory on 02/20/25 15:20, with Lab ID Number 5080650. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Bowen
Chief Operations Officer

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Montgomery County MUD 112
20141 Schiel Road
Cypress TX, 77433

Case Narrative

40 CFR 503 Criterion for Fecal Coliform Class B = 2,000,000 MPN/g. for Class A = 1,000 MPN/g
40 CFR 503 Criterion for Vector Class B = <1.5mg/O2/g Solids/hr
*Fecal Coliform result is a geometric mean of seven individual samples.

LABORATORY ANALYTICAL REPORT

Project: MC MUD 112 Sludge d
Client Matrix: Waste

Sample Date & Time: 02/20/2025 09:07
Collector: HIS
Sample Type:Grab
Print Date: 2/27/2025

Digester

5080650-01 (Waste)

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed Date & Time	Method	Notes
Microbiological Lab								
- Vector	1.0	0.1	mg O2/hr/g	N	B5B6511	02/20/2025 16:00	TAC 312.83(b)(4)	
Wet Lab								
- Percent Solid	1.4	0.1	%	A	B5B6252	02/21/2025 14:59	SM 2540G	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Montgomery County MUD 112
20141 Schiel Road
Cypress TX, 77433

SM 2540G - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5B6252 - No Prep	**Prepared: 02/21/25 14:59**									
Blank (B5B6252-BLK1)				**Analyzed:** 2/21/2025 2:59:00PM						
Percent Solid	ND	0.1	%							
Duplicate (B5B6252-DUP1)	**Source: 5070018-01**			**Analyzed:** 2/21/2025 2:59:00PM						
Percent Solid	1.10	0.1	%		1.10			0.00	20	
Batch B5B6511 - No Prep Micro	**Prepared: 02/20/25 16:00**									
Blank (B5B6511-BLK1)				**Analyzed:** 2/20/2025 4:00:00PM						
Vector	ND	0.1	mg O2/hr/g							
Duplicate (B5B6511-DUP1)	**Source: 5070017-01**			**Analyzed:** 2/20/2025 4:00:00PM						
Vector	0.640	0.1	mg O2/hr/g		0.640			0.00	200	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Montgomery County MUD 112
20141 Schiel Road
Cypress TX, 77433

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document.
This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX ENVIRONMENTAL LABORATORY, INC.

P.O. Box 1089 * Coldspring, TX 77331 (936) 653-3249 * (800) 525-0508
P.O. Box 631375 * Nacogdoches, TX 75963-1375 (936) 569-8879 * FAX (936) 569-8951
www.eastexlabs.com

White Copy-Follows Samples
Yellow Copy-Laboratory
Pink Copy-Client Copy

REPORT TO:

Company: MDC
Address: on file
Attn:
Phone#:
Email:
P.O. #:
Sampler's Name (print): Heather Sangster
Sampler's Signature: Heather Sangster
Project Name: MC 112

INVOICE TO:

Company:
Address: SAME
Attn:
Phone#:

Remarks:

INSTRUCTIONS:

C or G: C= Composite G= Grab
Matrix: DW=Drinking Water WW=Wastewater SO=Soil/Sludge OT= Other
Container Size: 1=Gallon 2=1/2 Gallon 3=Quart/Liter 4=500mL 5=250mL 6=125mL (4oz) 7=60mL (2 oz) 8= 40mL Vial 9=Other
Type: P= Plastic G= Glass T= Teflon S= Sterile
Preservatives: C=Chilled S=Sulfuric Acid N=Nitric Acid B=Base/Caustic Z= Zn Acetate ST=Sodium Thiosulfate H=HCL O= Other

ANALYSIS REQUESTED: Vactor 2 % Solid

Work Order ID	Sample ID	Date	Time	Matrix	Field Data: C or G	DO	pH	Cl2	Flow	Temp	Containers: #	Size	Type	Pres	ANALYSIS REQUESTED
5080650	Digester	2/20	907	WW	G						1	3	P	C	X

Relinquished By: | Received By: | Date | Time | Received Iced: YES / NO
Relinquished By: | Received By: | Date | Time | Received Iced: YES / NO
Relinquished By: Heather Sangster | Received By and/or Checked in By: Kayla Wyso | Date 2/20/25 | Time 1520 | Received Iced: YES / NO

LAB USE ONLY

Sample Condition Acceptable: YES / NO
Alternate Check In: Date Time
Temp °C: 1.8
*Therm ID: 15
Logged In By: Date 2-20-25 Time 1623

*Thermometer has 0.0 factor and recorded temperature is actual temperature

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com

July 03, 2024

Laboratory Report

John Taylor
Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Report ID: 20240703131736JKW

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,

Justin Wood For Deena Higginbotham
Director of Client Services

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Sample Results

Client Sample ID: Digester
Lab Sample ID: 24E2669-01
MC MUD 112 - Non Potable - Sludge Recollect 198

Sample Matrix: Solid
Date Collected: 05/09/2024 9:30
Collected by: Aaron Bond

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Organics by GC											
SW-8082	PCBs, Total	A	<687	U	ug/kg dry	10	19.6	687	BHE5144	06/11/2024 20:12	cdg
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*70.4%*		*60-140*					*06/11/2024 20:12*	
SW-8082	*Surrogate: Decachlorobiphenyl-surr*		*64.9%*		*60-140*					*06/11/2024 20:12*	
General Chemistry											
SM 2540 G	% Solids	A	0.856		%	1	0.100	0.100	BHE1567	05/10/2024 10:34	ENR
TCLP											
SW-6010C	Arsenic	A	<5.00	U	mg/L	1	0.00367	5.00	BHE4667	06/11/2024 12:41	TBB
SW-6010C	Barium	A	<100	U	mg/L	5	0.00625	100	BHE4667	06/11/2024 13:29	TBB
SW-6010C	Cadmium	A	<1.00	U	mg/L	1	0.000423	1.00	BHE4667	06/11/2024 12:41	TBB
SW-6010C	Chromium	A	<5.00	U	mg/L	1	0.00131	5.00	BHE4667	06/11/2024 12:41	TBB
SW-8151	2,4-D	A	<10.0	C+, U	mg/L	2	0.000471	10.0	BHE2617	06/08/2024 14:09	cdg
SW-8151	Silvex (2,4,5-TP)	A	<1.00	C+, U	mg/L	2	0.000471	1.00	BHE2617	06/08/2024 14:09	cdg
SW-8151	*Surrogate: DCAA-surr*		*118%*		*70-130*					*06/08/2024 14:09*	
SW-7471B	Mercury	A	<0.200	U	mg/L	1	0.000200	0.200	BHE2247	06/03/2024 14:31	ISS
SW-6010C	Lead	A	<5.00	U	mg/L	1	0.00341	5.00	BHE4667	06/11/2024 12:41	TBB
SW-8081	Chlordane (Total)	A	<0.0300	U	mg/L	1	2.97E-6	0.0300	BHE2338	06/12/2024 04:16	cdg
SW-8081	Endrin	N	<0.0200	U	mg/L	1	2.97E-6	0.0200	BHE2338	06/12/2024 04:16	cdg
SW-8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	A	<0.400	U	mg/L	1	2.97E-6	0.400	BHE2338	06/12/2024 04:16	cdg
SW-8081	Heptachlor	A	<0.00800	U	mg/L	1	2.97E-6	0.00800	BHE2338	06/12/2024 04:16	cdg
SW-8081	Heptachlor epoxide	A	<0.00800	U	mg/L	1	2.97E-6	0.00800	BHE2338	06/12/2024 04:16	cdg
SW-8081	Methoxychlor	A	<10.0	U	mg/L	1	2.97E-6	10.0	BHE2338	06/12/2024 04:16	cdg
SW-8081	Toxaphene (Chlorinated Camphene)	A	<0.500	U	mg/L	1	2.97E-6	0.500	BHE2338	06/12/2024 04:16	cdg
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*98.6%*		*60-140*					*06/12/2024 04:16*	
SW-8081	*Surrogate: Decachlorobiphenyl-surr*		*96.0%*		*60-140*					*06/12/2024 04:16*	
SW-6010C	Selenium	A	<1.00	U	mg/L	1	0.00531	1.00	BHE4667	06/11/2024 12:41	TBB
SW-6010C	Silver	A	<5.00	U	mg/L	1	0.00142	5.00	BHE4667	06/11/2024 17:32	TBB
SW-8270	2,4,5-Trichlorophenol	A	<400	U	mg/L	1	0.00248	400	BHE3331	06/04/2024 19:49	cdg
SW-8270	2,4,6-Trichlorophenol	A	<2.00	U	mg/L	1	0.00248	2.00	BHE3331	06/04/2024 19:49	cdg
SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	U	mg/L	1	0.00248	0.130	BHE3331	06/04/2024 19:49	cdg
SW-8270	2-Methylphenol	A	<200	U	mg/L	1	0.00248	200	BHE3331	06/04/2024 19:49	cdg
SW-8270	3,4-Methylphenol	A	<200	U	mg/L	1	0.00248	200	BHE3331	06/04/2024 19:49	cdg
SW-8270	Hexachlorobenzene	A	<0.130	U	mg/L	1	0.00248	0.130	BHE3331	06/04/2024 19:49	cdg
SW-8270	Hexachlorobutadiene	A	<0.500	U	mg/L	1	0.00248	0.500	BHE3331	06/04/2024 19:49	cdg
SW-8270	Hexachloroethane	A	<3.00	U	mg/L	1	0.00248	3.00	BHE3331	06/04/2024 19:49	cdg

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Sample Results
(Continued)

Client Sample ID: Digester (Continued)
Lab Sample ID: 24E2669-01
MC MUD 112 - Non Potable - Sludge Recollect 198

Sample Matrix: Solid
Date Collected: 05/09/2024 9:30
Collected by: Aaron Bond

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8270	Nitrobenzene	A	<2.00	U	mg/L	1	0.00248	2.00	BHE3331	06/04/2024 19:49	cdg
SW-8270	Pentachlorophenol	A	<100	U	mg/L	1	0.00248	100	BHE3331	06/04/2024 19:49	cdg
SW-8270	Pyridine	A	<5.00	U	mg/L	1	0.00248	5.00	BHE3331	06/04/2024 19:49	cdg
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*		*125%*		*54.6-148*					*06/04/2024 19:49*	
SW-8270	*Surrogate: 2-Fluorophenol-surr*		*113%*		*55-152*					*06/04/2024 19:49*	
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*		*148%*	*S*	*52.4-136*					*06/04/2024 19:49*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr*		*136%*		*52-162*					*06/04/2024 19:49*	
SW-8270	*Surrogate: Phenol-d5-surr*		*125%*		*58.7-152*					*06/04/2024 19:49*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr*		*147%*		*51.9-147*					*06/04/2024 19:49*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Sample Results
(Continued)

Client Sample ID: Digester
Lab Sample ID: 24E5430-01
MC MUD 112 - Non Potable - Sludge Recollect 198

Sample Matrix: Solid
Date Collected: 05/23/2024 10:30
Collected by: Heath Reinke

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
General Chemistry											
SM 2540 G	% Solids	A	1.72		%	1	0.100	0.100	BHE3901	05/24/2024 08:51	ENR
TCLP											
SW-8260	1,1-Dichloroethylene	A	<0.700	U	mg/L	10	0.00849	0.700	BHE4933	05/30/2024 14:41	DDB
SW-8260	1,2-Dichloroethane (Ethylene dichloride)	A	<0.500	U	mg/L	10	0.00870	0.500	BHE4933	05/30/2024 14:41	DDB
SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<7.50	U	mg/L	10	0.00641	7.50	BHE4933	05/30/2024 14:41	DDB
SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	A	<200	U	mg/L	10	0.0738	200	BHE4933	05/30/2024 14:41	DDB
SW-8260	Benzene	A	<0.500	U	mg/L	10	0.00604	0.500	BHE4933	05/30/2024 14:41	DDB
SW-8260	Carbon tetrachloride	A	<0.500	U	mg/L	10	0.00500	0.500	BHE4933	05/30/2024 14:41	DDB
SW-8260	Chlorobenzene	A	<100	U	mg/L	10	0.00724	100	BHE4933	05/30/2024 14:41	DDB
SW-8260	Chloroform	A	<6.00	U	mg/L	10	0.00688	6.00	BHE4933	05/30/2024 14:41	DDB
SW-8260	Tetrachloroethylene (Perchloroethylene)	A	<0.700	U	mg/L	10	0.00703	0.700	BHE4933	05/30/2024 14:41	DDB
SW-8260	Trichloroethene (Trichloroethylene)	A	<0.500	U	mg/L	10	0.00744	0.500	BHE4933	05/30/2024 14:41	DDB
SW-8260	Vinyl chloride (Chloroethene)	A	<0.200	U	mg/L	10	0.0130	0.200	BHE4933	05/30/2024 14:41	DDB
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*		*108%*		*70-130*					*05/30/2024 14:41*	
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*		*98.2%*		*70-130*					*05/30/2024 14:41*	
SW-8260	*Surrogate: Toluene-d8-surr*		*99.6%*		*70-130*					*05/30/2024 14:41*	
SW-8260	*Surrogate: Dibromofluoromethane-surr*		*107%*		*70-130*					*05/30/2024 14:41*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Quality Control

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE5144 - SW-3570										
Blank (BHE5144-BLK1)				Prepared: 5/31/2024 Analyzed: 6/11/2024						
Aroclor-1016 (PCB-1016)	<5.92	U	5.92	ug/kg wet						
Aroclor-1260 (PCB-1260)	<5.92	U	5.92	ug/kg wet						
PCBs, Total	<5.92	U	5.92	ug/kg wet						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*4.05*	*ug/kg wet*	*5.92*		*68.4*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.11*	*ug/kg wet*	*5.92*		*86.4*	*60-140*		
LCS (BHE5144-BS1)				Prepared: 5/31/2024 Analyzed: 6/11/2024						
Aroclor-1016 (PCB-1016)	51.6		5.80	ug/kg wet	58.0		89.1	60-140		
Aroclor-1260 (PCB-1260)	56.4		5.80	ug/kg wet	58.0		97.2	60-140		
PCBs, Total	54.0		5.80	ug/kg wet	58.0		93.2	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*3.63*	*ug/kg wet*	*5.80*		*62.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.29*	*ug/kg wet*	*5.80*		*91.3*	*60-140*		
LCS Dup (BHE5144-BSD1)				Prepared: 5/31/2024 Analyzed: 6/11/2024						
Aroclor-1016 (PCB-1016)	44.4		5.96	ug/kg wet	59.6		74.5	60-140	15.0	40
Aroclor-1260 (PCB-1260)	56.8		5.96	ug/kg wet	59.6		95.2	60-140	0.729	40
PCBs, Total	50.6		5.96	ug/kg wet	59.6		84.9	60-140	6.49	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*3.78*	*ug/kg wet*	*5.96*		*63.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*4.66*	*ug/kg wet*	*5.96*		*78.1*	*60-140*		
Matrix Spike (BHE5144-MS1)		**Source: 24E3266-01**		Prepared: 5/31/2024 Analyzed: 6/11/2024						
Aroclor-1016 (PCB-1016)	4970		603	ug/kg dry	6030	<603	82.5	60-140		
Aroclor-1260 (PCB-1260)	6080		603	ug/kg dry	6030	<603	101	60-140		
PCBs, Total	5530		603	ug/kg dry	6030	<603	91.7	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*517*	*ug/kg dry*	*603*		*85.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*500*	*ug/kg dry*	*603*		*83.0*	*60-140*		
Matrix Spike Dup (BHE5144-MSD1)		**Source: 24E3266-01**		Prepared: 5/31/2024 Analyzed: 6/11/2024						
Aroclor-1016 (PCB-1016)	4500		600	ug/kg dry	6000	<600	75.0	60-140	10.1	40
Aroclor-1260 (PCB-1260)	5790		600	ug/kg dry	6000	<600	96.6	60-140	4.86	40
PCBs, Total	5140		600	ug/kg dry	6000	<600	85.8	60-140	7.17	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*471*	*ug/kg dry*	*600*		*78.5*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*463*	*ug/kg dry*	*600*		*77.1*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE1567 - Percent Solids										
Blank (BHE1567-BLK1)					Prepared: 5/9/2024 Analyzed: 5/10/2024					
% Solids	<0.100	U	0.100	%						
Duplicate (BHE1567-DUP1)		**Source: 24E2552-01**			Prepared: 5/9/2024 Analyzed: 5/10/2024					
% Solids	1.65		0.100	%		1.66			0.968	20
Duplicate (BHE1567-DUP2)		**Source: 24E2751-05**			Prepared: 5/9/2024 Analyzed: 5/10/2024					
% Solids	1.57		0.100	%		1.57			0.231	20
Reference (BHE1567-SRM1)					Prepared: 5/9/2024 Analyzed: 5/10/2024					
% Solids	0.377		0.100	%	0.350		108	78.9-118		
Batch: BHE3901 - Percent Solids										
Blank (BHE3901-BLK1)					Prepared: 5/23/2024 Analyzed: 5/24/2024					
% Solids	<0.100	U	0.100	%						
Duplicate (BHE3901-DUP1)		**Source: 24E5035-07**			Prepared: 5/23/2024 Analyzed: 5/24/2024					
% Solids	1.42		0.100	%		1.42			0.219	20
Duplicate (BHE3901-DUP2)		**Source: 24E5430-01**			Prepared: 5/23/2024 Analyzed: 5/24/2024					
% Solids	1.72		0.100	%		1.72			0.187	20
Reference (BHE3901-SRM1)					Prepared: 5/23/2024 Analyzed: 5/24/2024					
% Solids	0.350		0.100	%	0.350		99.9	78.9-118		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Quality Control
(Continued)

TCLP

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE2247 - SW-7471 TCLP										
Duplicate (BHE2247-DUP1)		**Source: 24E3012-01**			Prepared & Analyzed: 6/3/2024					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
BHE1928-BLK1 (BHE2247-LBK1)					Prepared & Analyzed: 6/3/2024					
Mercury	<0.200	U	0.200	mg/L						
MDL Check (BHE2247-MRL1)					Prepared & Analyzed: 6/3/2024					
Mercury	0.000254	U	0.200	mg/L	0.000200		127			
Matrix Spike (BHE2247-MS1)		**Source: 24E3012-01**			Prepared & Analyzed: 6/3/2024					
Mercury	0.00509	U	0.200	mg/L	0.00500	<0.200	102	80-120		
Batch: BHE2338 - SW-3511										
MB OCP (BHE2338-BLK1)					Prepared: 5/15/2024 Analyzed: 6/11/2024					
Chlordane (Total)	<0.0300	U	0.0300	mg/L						
Endrin	<0.0200	U	0.0200	mg/L						
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	<0.400	U	0.400	mg/L						
Heptachlor	<0.00800	U	0.00800	mg/L						
Heptachlor epoxide	<0.00800	U	0.00800	mg/L						
Methoxychlor	<10.0	U	10.0	mg/L						
Toxaphene (Chlorinated Camphene)	<0.500	U	0.500	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*9.58E-5*	*mg/L*	*0.000120*		*79.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000130*	*mg/L*	*0.000120*		*109*	*60-140*		
TOX BS (BHE2338-BS1)					Prepared: 5/15/2024 Analyzed: 6/11/2024					
Toxaphene (Chlorinated Camphene)	0.00123	U	0.500	mg/L	0.00120		102	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000149*	*mg/L*	*0.000120*		*124*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000122*	*mg/L*	*0.000120*		*102*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE2338 - SW-3511 (Continued)										
OCP BS (BHE2338-BS2)					Prepared: 5/15/2024 Analyzed: 6/11/2024					
Chlordane (Total)	0.000412	U	0.0300	mg/L	0.000480		85.9	60-140		
Endrin	0.000100	U	0.0200	mg/L	0.000120		83.7	60-140		
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000112	U	0.400	mg/L	0.000120		93.5	60-140		
Heptachlor	0.000104	U	0.00800	mg/L	0.000120		86.7	60-140		
Heptachlor epoxide	0.000105	U	0.00800	mg/L	0.000120		87.3	60-140		
Methoxychlor	8.84E-5	U	10.0	mg/L	0.000120		73.7	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*9.59E-5*	*mg/L*	*0.000120*		*80.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000118*	*mg/L*	*0.000120*		*98.1*	*60-140*		
TOX BSD (BHE2338-BSD1)					Prepared: 5/15/2024 Analyzed: 6/11/2024					
Toxaphene (Chlorinated Camphene)	0.00113	U	0.500	mg/L	0.00120		94.4	60-140	8.07	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000129*	*mg/L*	*0.000120*		*108*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000129*	*mg/L*	*0.000120*		*108*	*60-140*		
OCP BSD (BHE2338-BSD2)					Prepared: 5/15/2024 Analyzed: 6/11/2024					
Chlordane (Total)	0.000414	U	0.0300	mg/L	0.000480		86.3	60-140	0.564	40
Endrin	0.000100	U	0.0200	mg/L	0.000120		83.7	60-140	0.103	40
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000108	U	0.400	mg/L	0.000120		90.3	60-140	3.49	40
Heptachlor	0.000102	U	0.00800	mg/L	0.000120		84.7	60-140	2.33	40
Heptachlor epoxide	0.000109	U	0.00800	mg/L	0.000120		90.5	60-140	3.57	40
Methoxychlor	0.000101	U	10.0	mg/L	0.000120		84.0	60-140	13.1	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*9.50E-5*	*mg/L*	*0.000120*		*79.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000123*	*mg/L*	*0.000120*		*103*	*60-140*		
BHE1560-BLK1 (BHE2338-LBK1)					Prepared: 5/15/2024 Analyzed: 6/12/2024					
Chlordane (Total)	<0.0300	U	0.0300	mg/L						
Endrin	<0.0200	U	0.0200	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<0.400	U	0.400	mg/L						
Heptachlor	<0.00800	U	0.00800	mg/L						
Heptachlor epoxide	<0.00800	U	0.00800	mg/L						
Methoxychlor	<10.0	U	10.0	mg/L						
Toxaphene (Chlorinated Camphene)	<0.500	U	0.500	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000445*	*mg/L*	*0.000599*		*74.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*0.000225*	*mg/L*	*0.000599*		*37.6*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE2338 - SW-3511 (Continued)										
BHE1928-BLK1 (BHE2338-LBK2)					Prepared: 5/15/2024 Analyzed: 6/12/2024					
Chlordane (Total)	<0.0300	U	0.0300	mg/L						
Endrin	<0.0200	U	0.0200	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<0.400	U	0.400	mg/L						
Heptachlor	<0.00800	U	0.00800	mg/L						
Heptachlor epoxide	<0.00800	U	0.00800	mg/L						
Methoxychlor	<10.0	U	10.0	mg/L						
Toxaphene (Chlorinated Camphene)	<0.500	U	0.500	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000467*	*mg/L*	*0.000596*		*78.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000359*	*mg/L*	*0.000596*		*60.2*	*60-140*		
24E2039-01 MS (BHE2338-MS1)		**Source: 24E2039-01**			Prepared: 5/15/2024 Analyzed: 6/11/2024					
Chlordane (Total)	0.00208	U	0.0300	mg/L	0.00239	<0.0300	87.1	60-140		
Endrin	0.000581	U	0.0200	mg/L	0.000597	<0.0200	97.3	60-140		
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000509	U	0.400	mg/L	0.000597	<0.400	85.3	60-140		
Heptachlor	0.000510	U	0.00800	mg/L	0.000597	<0.00800	85.5	60-140		
Heptachlor epoxide	0.000551	U	0.00800	mg/L	0.000597	<0.00800	92.3	60-140		
Methoxychlor	0.000504	U	10.0	mg/L	0.000597	<10.0	84.4	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000452*	*mg/L*	*0.000597*		*75.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000532*	*mg/L*	*0.000597*		*89.2*	*60-140*		
24E2039-01 MSD (BHE2338-MSD1)		**Source: 24E2039-01**			Prepared: 5/15/2024 Analyzed: 6/11/2024					
Chlordane (Total)	0.00203	U	0.0300	mg/L	0.00239	<0.0300	84.7	60-140	2.62	40
Endrin	0.000519	U	0.0200	mg/L	0.000598	<0.0200	86.8	60-140	11.2	40
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000568	U	0.400	mg/L	0.000598	<0.400	95.0	60-140	11.0	40
Heptachlor	0.000513	U	0.00800	mg/L	0.000598	<0.00800	85.7	60-140	0.469	40
Heptachlor epoxide	0.000538	U	0.00800	mg/L	0.000598	<0.00800	90.0	60-140	2.36	40
Methoxychlor	0.000472	U	10.0	mg/L	0.000598	<10.0	78.8	60-140	6.65	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000489*	*mg/L*	*0.000598*		*81.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000483*	*mg/L*	*0.000598*		*80.7*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE2617 - SW-3511										
MB HERB (BHE2617-BLK1)					Prepared: 5/16/2024 Analyzed: 6/8/2024					
2,4-D	<10.0	U	10.0	mg/L						
Silvex (2,4,5-TP)	<1.00	U	1.00	mg/L						
Surrogate: DCAA-surr			*0.0286*	*mg/L*	*0.0250*		*114*	*70-130*		
BS HERB (BHE2617-BS1)					Prepared: 5/16/2024 Analyzed: 6/8/2024					
2,4-D	0.00541	U	10.0	mg/L	0.00515		105	70-130		
Silvex (2,4,5-TP)	0.00421	U	1.00	mg/L	0.00500		84	70-130		
Surrogate: DCAA-surr			*0.0280*	*mg/L*	*0.0250*		*112*	*70-130*		
BSD HERB (BHE2617-BSD1)					Prepared: 5/16/2024 Analyzed: 6/8/2024					
2,4-D	0.00529	U	10.0	mg/L	0.00515		103	70-130	2	30
Silvex (2,4,5-TP)	0.00412	U	1.00	mg/L	0.00500		82	70-130	2	30
Surrogate: DCAA-surr			*0.0296*	*mg/L*	*0.0250*		*118*	*70-130*		
BHE1928-BLK1 (BHE2617-LBK1)					Prepared: 5/16/2024 Analyzed: 6/8/2024					
2,4-D	<10.0	U	10.0	mg/L						
Silvex (2,4,5-TP)	<1.00	U	1.00	mg/L						
Surrogate: DCAA-surr			*0.118*	*mg/L*	*0.0981*		*120*	*70-130*		
BHE2079-BLK1 (BHE2617-LBK2)					Prepared: 5/16/2024 Analyzed: 6/8/2024					
2,4-D	<10.0	U	10.0	mg/L						
Silvex (2,4,5-TP)	<1.00	U	1.00	mg/L						
Surrogate: DCAA-surr			*0.120*	*mg/L*	*0.0969*		*124*	*70-130*		
24E3514-01 MS (BHE2617-MS1)		**Source: 24E3514-01**			Prepared: 5/16/2024 Analyzed: 6/8/2024					
2,4-D	0.00584	U	10.0	mg/L	0.00511	<10.0	114	70-130		
Silvex (2,4,5-TP)	0.00368	U	1.00	mg/L	0.00497	<1.00	74	70-130		
Surrogate: DCAA-surr			*0.0235*	*mg/L*	*0.0248*		*94*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE2617 - SW-3511 (Continued)										
24E3514-01 MSD (BHE2617-MSD1)	**Source: 24E3514-01**				Prepared: 5/16/2024 Analyzed: 6/8/2024					
2,4-D	0.00571	U	10.0	mg/L	0.00509	<10.0	112	70-130	2	30
Silvex (2,4,5-TP)	0.00354	U	1.00	mg/L	0.00494	<1.00	72	70-130	4	30
Surrogate: DCAA-surr			*0.0223*	*mg/L*	*0.0247*		*90*	*70-130*		
Batch: BHE3331 - SW-3511										
MB SV (BHE3331-BLK1)					Prepared: 5/20/2024 Analyzed: 6/4/2024					
2,4,5-Trichlorophenol	<400	U	400	mg/L						
2,4,6-Trichlorophenol	<2.00	U	2.00	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.130	U	0.130	mg/L						
2-Methylphenol	<200	U	200	mg/L						
3,4-Methylphenol	<200	U	200	mg/L						
Hexachlorobenzene	<0.130	U	0.130	mg/L						
Hexachlorobutadiene	<0.500	U	0.500	mg/L						
Hexachloroethane	<3.00	U	3.00	mg/L						
Nitrobenzene	<2.00	U	2.00	mg/L						
Pentachlorophenol	<100	U	100	mg/L						
Pyridine	<5.00	U	5.00	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0138*	*mg/L*	*0.0100*		*138*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0248*	*mg/L*	*0.0200*		*124*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr		*S*	*0.0289*	*mg/L*	*0.0200*		*144*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0130*	*mg/L*	*0.0100*		*130*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0227*	*mg/L*	*0.0200*		*113*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0144*	*mg/L*	*0.0100*		*144*	*51.9-147*		
BS SV (BHE3331-BS1)					Prepared: 5/20/2024 Analyzed: 6/4/2024					
2,4,5-Trichlorophenol	0.0319	J1, U	400	mg/L	0.0200		159	60-140		
2,4,6-Trichlorophenol	0.0311	J1, U	2.00	mg/L	0.0200		155	60-140		
2,4-Dinitrotoluene (2,4-DNT)	0.0162	J1, U	0.130	mg/L	0.0100		162	60-140		
2-Methylphenol	0.0293	J1, U	200	mg/L	0.0200		146	60-140		
3,4-Methylphenol	0.0523	L, U	200	mg/L	0.0400		131	60-140		
Hexachlorobenzene	0.0174	J1, U	0.130	mg/L	0.0100		174	60-140		
Hexachlorobutadiene	0.0110	U	0.500	mg/L	0.0100		110	60-140		
Hexachloroethane	0.0105	U	3.00	mg/L	0.0100		105	60-140		
Nitrobenzene	0.0162	J1, U	2.00	mg/L	0.0100		162	60-140		
Pentachlorophenol	0.0342	J1, U	100	mg/L	0.0200		171	36.8-149		
Pyridine	0.0359	U	5.00	mg/L	0.0500		71.9	2.5-101		
Surrogate: 2-Fluorobiphenyl-surr			*0.0134*	*mg/L*	*0.0100*		*134*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0286*	*mg/L*	*0.0200*		*143*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr		*S*	*0.0312*	*mg/L*	*0.0200*		*156*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0157*	*mg/L*	*0.0100*		*157*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0295*	*mg/L*	*0.0200*		*148*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0132*	*mg/L*	*0.0100*		*132*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3331 - SW-3511 (Continued)										
BSD SV (BHE3331-BSD1)					Prepared: 5/20/2024 Analyzed: 6/4/2024					
2,4,5-Trichlorophenol	0.0305	J1, U	400	mg/L	0.0200		152	60-140	4.45	40
2,4,6-Trichlorophenol	0.0307	J1, U	2.00	mg/L	0.0200		154	60-140	1.19	40
2,4-Dinitrotoluene (2,4-DNT)	0.0170	J1, U	0.130	mg/L	0.0100		170	60-140	4.60	40
2-Methylphenol	0.0317	J1, U	200	mg/L	0.0200		158	60-140	7.91	40
3,4-Methylphenol	0.0570	J1, L, U	200	mg/L	0.0400		143	60-140	8.71	40
Hexachlorobenzene	0.0162	J1, U	0.130	mg/L	0.0100		162	60-140	7.04	40
Hexachlorobutadiene	0.00937	U	0.500	mg/L	0.0100		93.7	60-140	15.7	40
Hexachloroethane	0.0101	U	3.00	mg/L	0.0100		101	60-140	3.68	40
Nitrobenzene	0.0169	J1, U	2.00	mg/L	0.0100		169	60-140	4.38	40
Pentachlorophenol	0.0300	J1, U	100	mg/L	0.0200		150	36.8-149	12.9	40
Pyridine	0.0397	U	5.00	mg/L	0.0500		79.5	2.5-101	10.1	40
Surrogate: 2-Fluorobiphenyl-surr			*0.0136*	*mg/L*	*0.0100*		*136*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr		*S*	*0.0328*	*mg/L*	*0.0200*		*164*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr		*S*	*0.0297*	*mg/L*	*0.0200*		*148*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr		*S*	*0.0179*	*mg/L*	*0.0100*		*179*	*52-162*		
Surrogate: Phenol-d5-surr		*S*	*0.0331*	*mg/L*	*0.0200*		*166*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr		*S*	*0.0167*	*mg/L*	*0.0100*		*167*	*51.9-147*		
BHE1928-BLK1 (BHE3331-LBK1)					Prepared: 5/20/2024 Analyzed: 6/5/2024					
2,4,5-Trichlorophenol	<400	U	400	mg/L						
2,4,6-Trichlorophenol	<2.00	U	2.00	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.130	U	0.130	mg/L						
2-Methylphenol	<200	U	200	mg/L						
3,4-Methylphenol	0.00298	U	200	mg/L						
Hexachlorobenzene	<0.130	U	0.130	mg/L						
Hexachlorobutadiene	<0.500	U	0.500	mg/L						
Hexachloroethane	<3.00	U	3.00	mg/L						
Nitrobenzene	<2.00	U	2.00	mg/L						
Pentachlorophenol	<100	U	100	mg/L						
Pyridine	<5.00	U	5.00	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0548*	*mg/L*	*0.0396*		*138*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0848*	*mg/L*	*0.0793*		*107*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr		*S*	*0.127*	*mg/L*	*0.0793*		*160*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0562*	*mg/L*	*0.0396*		*142*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0897*	*mg/L*	*0.0793*		*113*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0550*	*mg/L*	*0.0396*		*139*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3331 - SW-3511 (Continued)										
MDL SV (BHE3331-MRL1)					Prepared: 5/20/2024 Analyzed: 6/4/2024					
2,4,5-Trichlorophenol	0.00194	U	400	mg/L	0.00100		194			
2,4,6-Trichlorophenol	0.00159	U	2.00	mg/L	0.00100		159			
2,4-Dinitrotoluene (2,4-DNT)	0.000948	U	0.130	mg/L	0.000500		190			
2-Methylphenol	0.00190	U	200	mg/L	0.00100		190			
3,4-Methylphenol	0.00356	U	200	mg/L	0.00200		178			
Hexachlorobenzene	0.000725	U	0.130	mg/L	0.000500		145			
Hexachlorobutadiene	0.000447	U	0.500	mg/L	0.000500		89.4			
Hexachloroethane	0.000622	U	3.00	mg/L	0.000500		124			
Nitrobenzene	0.000743	U	2.00	mg/L	0.000500		149			
Pentachlorophenol	0.00159	U	100	mg/L	0.00100		159			
Pyridine	<5.00	J1, U	5.00	mg/L	0.00250					
Surrogate: 2-Fluorobiphenyl-surr		*S*	*0.0159*	*mg/L*	*0.0100*		*159*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr		*S*	*0.0307*	*mg/L*	*0.0200*		*153*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr		*S*	*0.0294*	*mg/L*	*0.0200*		*147*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr		*S*	*0.0167*	*mg/L*	*0.0100*		*167*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0277*	*mg/L*	*0.0200*		*139*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0130*	*mg/L*	*0.0100*		*130*	*51.9-147*		
24E2469-02 MS (BHE3331-MS1)		**Source: 24E2469-02**			Prepared: 5/20/2024 Analyzed: 6/4/2024					
2,4,5-Trichlorophenol	0.0316	U	400	mg/L	0.0198	<400	159	44.9-171		
2,4,6-Trichlorophenol	0.0281	U	2.00	mg/L	0.0198	<2.00	142	34.7-143		
2,4-Dinitrotoluene (2,4-DNT)	0.0151	J1, U	0.130	mg/L	0.00992	<0.130	153	50.3-144		
2-Methylphenol	0.0297	U	200	mg/L	0.0198	<200	150	17.3-182		
3,4-Methylphenol	0.0534	L, U	200	mg/L	0.0397	<200	135	43.4-188		
Hexachlorobenzene	0.0144	J1, U	0.130	mg/L	0.00992	<0.130	146	56.1-137		
Hexachlorobutadiene	0.0117	J1, U	0.500	mg/L	0.00992	<0.500	118	33.1-110		
Hexachloroethane	0.0118	J1, U	3.00	mg/L	0.00992	<3.00	119	36.2-106		
Nitrobenzene	0.0181	J1, L, U	2.00	mg/L	0.00992	<2.00	183	54.9-156		
Pentachlorophenol	0.0306	J1, U	100	mg/L	0.0198	<100	154	42.2-151		
Pyridine	0.0489	J1, U	5.00	mg/L	0.0496	<5.00	98.6	2-87.4		
Surrogate: 2-Fluorobiphenyl-surr			*0.0133*	*mg/L*	*0.00992*		*135*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0288*	*mg/L*	*0.0198*		*145*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr		*S*	*0.0283*	*mg/L*	*0.0198*		*143*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0150*	*mg/L*	*0.00992*		*151*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0276*	*mg/L*	*0.0198*		*139*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0109*	*mg/L*	*0.00992*		*110*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE3331 - SW-3511 (Continued)										
24E2469-02 MSD (BHE3331-MSD1)		**Source: 24E2469-02**			Prepared: 5/20/2024 Analyzed: 6/4/2024					
2,4,5-Trichlorophenol	0.0298	U	400	mg/L	0.0197	<400	152	44.9-171	5.55	40
2,4,6-Trichlorophenol	0.0302	J1, U	2.00	mg/L	0.0197	<2.00	153	34.7-143	7.14	40
2,4-Dinitrotoluene (2,4-DNT)	0.0162	J1, U	0.130	mg/L	0.00984	<0.130	165	50.3-144	6.93	40
2-Methylphenol	0.0294	U	200	mg/L	0.0197	0.000615	146	17.3-182	0.884	40
3,4-Methylphenol	0.0534	L, U	200	mg/L	0.0394	<200	136	43.4-188	0.0701	40
Hexachlorobenzene	0.0133	U	0.130	mg/L	0.00984	<0.130	135	56.1-137	8.39	40
Hexachlorobutadiene	0.0121	J1, U	0.500	mg/L	0.00984	<0.500	123	33.1-110	3.17	40
Hexachloroethane	0.0117	J1, U	3.00	mg/L	0.00984	<3.00	119	36.2-106	1.00	40
Nitrobenzene	0.0190	J1, L, U	2.00	mg/L	0.00984	<2.00	193	54.9-156	4.71	40
Pentachlorophenol	0.0303	J1, U	100	mg/L	0.0197	<100	154	42.2-151	0.709	40
Pyridine	0.0464	J1, U	5.00	mg/L	0.0492	<5.00	94.4	2-87.4	5.10	40
Surrogate: 2-Fluorobiphenyl-surr			*0.0132*	*mg/L*	*0.00984*		*135*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0292*	*mg/L*	*0.0197*		*149*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr		*S*	*0.0278*	*mg/L*	*0.0197*		*141*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr		*S*	*0.0162*	*mg/L*	*0.00984*		*164*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0277*	*mg/L*	*0.0197*		*141*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0113*	*mg/L*	*0.00984*		*115*	*51.9-147*		
Batch: BHE4667 - EPA 200.2 TCLP										
Blank (BHE4667-BLK1)					Prepared: 5/29/2024 Analyzed: 6/11/2024					
Arsenic	<5.00	U	5.00	mg/L						
Barium	<100	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Chromium	<5.00	U	5.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE4667 - EPA 200.2 TCLP (Continued)										
LCS (BHE4667-BS1)					Prepared: 5/29/2024 Analyzed: 6/11/2024					
Arsenic	0.523	U	5.00	mg/L	0.500		105	80-120		
Barium	0.519	U	100	mg/L	0.500		104	80-120		
Cadmium	0.0525	U	1.00	mg/L	0.0500		105	80-120		
Chromium	0.259	U	5.00	mg/L	0.250		103	80-120		
Lead	0.260	U	5.00	mg/L	0.250		104	80-120		
Selenium	0.533	U	1.00	mg/L	0.500		107	80-120		
Silver	0.0527	U	5.00	mg/L	0.0500		105	80-120		
Duplicate (BHE4667-DUP1)			**Source: 24E3012-01**		Prepared: 5/29/2024 Analyzed: 6/11/2024					
Arsenic	0.0115	U	5.00	mg/L		0.0199			53.3	20
Barium	1.26	U	100	mg/L		1.29			2.65	20
Cadmium	0.000540	U	1.00	mg/L		<1.00			200	20
Chromium	<5.00	U	5.00	mg/L		<5.00				20
Lead	<5.00	U	5.00	mg/L		<5.00				20
Selenium	<1.00	U	1.00	mg/L		<1.00				20
Silver	<5.00	U	5.00	mg/L		<5.00				20
BHE1928-LBK1 (BHE4667-LBK1)					Prepared: 5/29/2024 Analyzed: 6/11/2024					
Arsenic	0.0136	U	5.00	mg/L						
Barium	0.863	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Chromium	<5.00	U	5.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
BHE1928-LBK1 (BHE4667-LBK2)					Prepared: 5/29/2024 Analyzed: 6/11/2024					
Silver	<5.00	U	5.00	mg/L						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE4667 - EPA 200.2 TCLP (Continued)										
Matrix Spike (BHE4667-MS1)		**Source: 24E3012-01**			Prepared: 5/29/2024 Analyzed: 6/11/2024					
Arsenic	0.572	U	5.00	mg/L	0.500	0.0199	110	75-125		
Barium	1.89	U	100	mg/L	0.500	1.29	121	75-125		
Cadmium	0.0573	U	1.00	mg/L	0.0500	<1.00	115	75-125		
Chromium	0.261	U	5.00	mg/L	0.250	<5.00	105	75-125		
Lead	0.261	U	5.00	mg/L	0.250	<5.00	104	75-125		
Selenium	0.571	U	1.00	mg/L	0.500	<1.00	114	75-125		
Silver	0.0581	U	5.00	mg/L	0.0500	<5.00	116	75-125		
Post Spike (BHE4667-PS1)		**Source: 24E3012-01**			Prepared: 5/29/2024 Analyzed: 6/11/2024					
Arsenic	507			ug/L	500	19.4	97.5	80-120		
Barium	1720			ug/L	500	1260	92.4	80-120		
Cadmium	49.7			ug/L	50.0	0.205	98.9	80-120		
Chromium	233			ug/L	250	0.312	93.2	80-120		
Lead	228			ug/L	250	-0.107	91.3	80-120		
Selenium	498			ug/L	500	4.99	98.5	80-120		
Post Spike (BHE4667-PS2)		**Source: 24E3012-01**			Prepared: 5/29/2024 Analyzed: 6/11/2024					
Silver	53.3			ug/L	50.0	0.497	106	80-120		
Dilution Check (BHE4667-SRL1)		**Source: 24E3012-01**			Prepared: 5/29/2024 Analyzed: 6/11/2024					
Arsenic	0.0506	U	5.00	mg/L		0.0199			87.1	10
Barium	1.29	U	100	mg/L		1.29			0.00	10
Cadmium	<1.00	U	1.00	mg/L		<1.00				10
Chromium	<5.00	U	5.00	mg/L		<5.00				10
Lead	<5.00	U	5.00	mg/L		<5.00				10
Selenium	<1.00	U	1.00	mg/L		<1.00				10
Silver	<5.00	U	5.00	mg/L		<5.00				10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE4933 - EPA 624										
Blank (BHE4933-BLK1)					Prepared & Analyzed: 5/30/2024					
1,1-Dichloroethylene	<0.700	U	0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.500	U	0.500	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<7.50	U	7.50	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<200	U	200	mg/L						
Benzene	<0.500	U	0.500	mg/L						
Carbon tetrachloride	<0.500	U	0.500	mg/L						
Chlorobenzene	<100	U	100	mg/L						
Chloroform	<6.00	U	6.00	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.700	U	0.700	mg/L						
Trichloroethene (Trichloroethylene)	<0.500	U	0.500	mg/L						
Vinyl chloride (Chloroethene)	<0.200	U	0.200	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*50.1*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*50.8*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8-surr			*49.3*	*ug/L*	*50.0*		*98.5*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*51.1*	*ug/L*	*50.0*		*102*	*70-130*		
LCS (BHE4933-BS1)					Prepared & Analyzed: 5/30/2024					
1,1-Dichloroethylene	0.0400	U	0.700	mg/L	0.0500		80.0	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0378	U	0.500	mg/L	0.0500		75.6	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0405	U	7.50	mg/L	0.0500		81.1	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.368	U	200	mg/L	0.500		73.6	70-130		
Benzene	0.0395	U	0.500	mg/L	0.0500		79.1	70-130		
Carbon tetrachloride	0.0402	U	0.500	mg/L	0.0500		80.4	70-130		
Chlorobenzene	0.0394	U	100	mg/L	0.0500		78.9	70-130		
Chloroform	0.0316	U	6.00	mg/L	0.0500		63.2	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0395	U	0.700	mg/L	0.0500		79.1	70-130		
Trichloroethene (Trichloroethylene)	0.0406	U	0.500	mg/L	0.0500		81.2	70-130		
Vinyl chloride (Chloroethene)	0.0391	U	0.200	mg/L	0.0500		78.3	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*47.7*	*ug/L*	*50.0*		*95.5*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*51.3*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8-surr			*51.0*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*47.3*	*ug/L*	*50.0*		*94.5*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE4933 - EPA 624 (Continued)										
LCS Dup (BHE4933-BSD1)					Prepared & Analyzed: 5/30/2024					
1,1-Dichloroethylene	0.0401	U	0.700	mg/L	0.0500		80.3	70-130	0.308	30
1,2-Dichloroethane (Ethylene dichloride)	0.0393	U	0.500	mg/L	0.0500		78.5	70-130	3.81	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0388	U	7.50	mg/L	0.0500		77.7	70-130	4.28	30
2-Butanone (Methyl ethyl ketone, MEK)	0.390	U	200	mg/L	0.500		78.0	70-130	5.80	30
Benzene	0.0399	U	0.500	mg/L	0.0500		79.8	70-130	0.944	30
Carbon tetrachloride	0.0413	U	0.500	mg/L	0.0500		82.6	70-130	2.69	30
Chlorobenzene	0.0399	U	100	mg/L	0.0500		79.8	70-130	1.19	30
Chloroform	0.0324	U	6.00	mg/L	0.0500		64.8	70-130	2.54	30
Tetrachloroethylene (Perchloroethylene)	0.0399	U	0.700	mg/L	0.0500		79.7	70-130	0.824	30
Trichloroethene (Trichloroethylene)	0.0407	U	0.500	mg/L	0.0500		81.4	70-130	0.215	30
Vinyl chloride (Chloroethene)	0.0392	U	0.200	mg/L	0.0500		78.5	70-130	0.251	30
Surrogate: 1,2-Dichloroethane-d4-surr			*48.5*	*ug/L*	*50.0*		*97.0*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*49.7*	*ug/L*	*50.0*		*99.3*	*70-130*		
Surrogate: Toluene-d8-surr			*50.1*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*48.0*	*ug/L*	*50.0*		*96.0*	*70-130*		
BHE4832-BLK1 (BHE4933-LBK1)					Prepared & Analyzed: 5/30/2024					
1,1-Dichloroethylene	<0.700	U	0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.500	U	0.500	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<7.50	U	7.50	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<200	U	200	mg/L						
Benzene	<0.500	U	0.500	mg/L						
Carbon tetrachloride	<0.500	U	0.500	mg/L						
Chlorobenzene	<100	U	100	mg/L						
Chloroform	<6.00	U	6.00	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.700	U	0.700	mg/L						
Trichloroethene (Trichloroethylene)	<0.500	U	0.500	mg/L						
Vinyl chloride (Chloroethene)	<0.200	U	0.200	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*53.3*	*ug/L*	*50.0*		*107*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*49.6*	*ug/L*	*50.0*		*99.2*	*70-130*		
Surrogate: Toluene-d8-surr			*49.8*	*ug/L*	*50.0*		*99.7*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*53.4*	*ug/L*	*50.0*		*107*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE4933 - EPA 624 (Continued)										
Matrix Spike (BHE4933-MS1)	**Source: 24E1792-01**				Prepared & Analyzed: 5/30/2024					
1,1-Dichloroethylene	0.0464	U	0.700	mg/L	0.0500	<0.700	92.8	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0429	U	0.500	mg/L	0.0500	<0.500	85.8	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0439	U	7.50	mg/L	0.0500	<7.50	87.9	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.508	U	200	mg/L	0.500	<200	102	70-130		
Benzene	0.0449	U	0.500	mg/L	0.0500	<0.500	89.8	70-130		
Carbon tetrachloride	0.0430	U	0.500	mg/L	0.0500	<0.500	86.0	70-130		
Chlorobenzene	0.0446	U	100	mg/L	0.0500	<100	89.3	70-130		
Chloroform	0.0243	U	6.00	mg/L	0.0500	<6.00	48.5	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0518	U	0.700	mg/L	0.0500	<0.700	104	70-130		
Trichloroethene (Trichloroethylene)	0.0460	U	0.500	mg/L	0.0500	<0.500	91.9	70-130		
Vinyl chloride (Chloroethene)	0.0446	U	0.200	mg/L	0.0500	<0.200	89.2	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*48.6*	*ug/L*	*50.0*		*97.1*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*49.1*	*ug/L*	*50.0*		*98.3*	*70-130*		
Surrogate: Toluene-d8-surr			*50.5*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*47.9*	*ug/L*	*50.0*		*95.8*	*70-130*		
Matrix Spike Dup (BHE4933-MSD1)	**Source: 24E1792-01**				Prepared & Analyzed: 5/30/2024					
1,1-Dichloroethylene	0.0465	U	0.700	mg/L	0.0500	<0.700	92.9	70-130	0.158	30
1,2-Dichloroethane (Ethylene dichloride)	0.0422	U	0.500	mg/L	0.0500	<0.500	84.5	70-130	1.50	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0442	U	7.50	mg/L	0.0500	<7.50	88.3	70-130	0.522	30
2-Butanone (Methyl ethyl ketone, MEK)	0.505	U	200	mg/L	0.500	<200	101	70-130	0.626	30
Benzene	0.0444	U	0.500	mg/L	0.0500	<0.500	88.9	70-130	1.02	30
Carbon tetrachloride	0.0404	U	0.500	mg/L	0.0500	<0.500	80.8	70-130	6.16	30
Chlorobenzene	0.0443	U	100	mg/L	0.0500	<100	88.5	70-130	0.833	30
Chloroform	0.0231	U	6.00	mg/L	0.0500	<6.00	46.1	70-130	4.99	30
Tetrachloroethylene (Perchloroethylene)	0.0529	U	0.700	mg/L	0.0500	<0.700	106	70-130	2.12	30
Trichloroethene (Trichloroethylene)	0.0457	U	0.500	mg/L	0.0500	<0.500	91.5	70-130	0.502	30
Vinyl chloride (Chloroethene)	0.0445	U	0.200	mg/L	0.0500	<0.200	89.0	70-130	0.138	30
Surrogate: 1,2-Dichloroethane-d4-surr			*48.4*	*ug/L*	*50.0*		*96.8*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*50.2*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8-surr			*50.5*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*47.2*	*ug/L*	*50.0*		*94.5*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Sample Condition Checklist

Work Order: 24E2669

Check Points	
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

Work Order: 24E5430

Check Points	
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

Reported:
07/03/2024 13:17

Term and Qualifier Definitions

Item	Definition
C+	The associated calibration QC is higher than the established quality control criteria for accuracy - no hit in sample; data not affected and acceptable to report.
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
L	Off scale high - The concentration of the analyte exceeds the linear range.
S	The surrogate recovery was outside the established laboratory recovery limit.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00086

24E2669

Lab PM : Deena Higginbotham	**Project Name** : MC MUD 112 - Non Potable - Sludge Recollect	**Schedule Comments:**
Municipal Operations and Consulting John Taylor 27316 Spectrum Way Oak Ridge, TX 77385 Phone: (281) 367-5511	**Project Comments**: 104 Chestnut Meadow - Behind Welch Park off Jacobs Lake Blvd Conroe 77384 Combo 1984 Bo Brewer 281-850-2568 MUST CALL OPERATOR 30 MIN BEFORE ARRIVAL	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24E2669-01	Digester		5/9/2024 0930	S Grab	A Glass 250mL w/ Teflon-lined Lid B Glass Wide 1L w/ Teflon-lined Lid C HDPE 250mL D Glass VOA 60mL	Arsenic ICP TCLP 4°C Barium ICP TCLP 4°C Cadmium ICP TCLP 4°C Chromium ICP TCLP 4°C Hg-7471-TCLP 4°C Lead ICP TCLP 4°C Selenium ICP TCLP 4°C Silver ICP TCLP 4°C HERB-TCLP 4°C OCP-TCLP 4°C PCB-8082 4°C SVOA-TCLP 4°C TCLP Bottle 4°C TCLP ZHE 4°C VOA-TCLP 4°C TS-2540 G 4°C	

Field Remarks:

Lab Preservation: (Circle and Write ID Below) H2SO4 HNO3 NaOH Other:

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 1330 05.09.24	Received for Laboratory By: (Signature) SJK	Date/Time 05/09/24/13:30

Custody Seal : Yes / No
Container Intact : Yes / No
COC Labels Agree: Yes / No
Appropriate Containers: Yes / No
Appropriate Volume: Yes / No
Coolers Intact: Yes / No
Received on Ice: Yes / No
Samples Accepted: Yes / No
Temperature: °C
Thermometer ID:

City of Conroe

wko_NWDLS_COC_LS Revision 4.1 Effective: 2/17/2022

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24E5430

Lab PM : Deena Higginbotham	**Project Name** : MC MUD 112 - Non Potable - Sludge Recollect	**Schedule Comments:**
Municipal Operations and Consulting John Taylor 27316 Spectrum Way Oak Ridge, TX 77385 Phone: (281) 367-5511	**Project Comments**: 104 Chestnut Meadow - Behind Welch Park off Jacobs Lake Blvd Conroe 77384 Combo 1984 Bo Brewer 281-850-2568 MUST CALL OPERATOR 30 MIN BEFORE ARRIVAL	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24E5430-01	Digester		5/23/2024 1030	S Grab	A HDPE 250mL B Glass VOA 60mL	TCLP ZHE 4°C VOA-TCLP 4°C TS-2540 G 4°C	

Field Remarks:

Lab Preservation: (Circle and Write ID Below) H2SO4 HNO3 NaOH Other:

Sampler (Signature) HWR	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Heath Reinke	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature) HWR	Date/Time 1340 5-23-24	Received for Laboratory By: (Signature) SJK	Date/Time 05/23/24 13:40

Custody Seal : Yes / No
Container Intact : Yes / No
COC Labels Agree: Yes / No
Appropriate Containers: Yes / No
Appropriate Volume: Yes / No
Coolers Intact: Yes / No
Received on Ice: Yes / No
Samples Accepted: Yes / No
Temperature: °C
Thermometer ID:

City of Conroe

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

March 04, 2025

MOC Municipal Operations and Consulting
Montgomery County MUD 112
20141 Schiel Road
Cypress, TX 77433

RE: **MC MUD 112 Sludge**

Enclosed are the results of analyses for samples received by the laboratory on 01/27/25 15:15, with Lab ID Number 5040477. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Bowen
Chief Operations Officer

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Montgomery County MUD 112
20141 Schiel Road
Cypress TX, 77433

LABORATORY ANALYTICAL REPORT

Project: MC MUD 112 Sludge a
Client Matrix: Waste

Sample Date & Time: 01/27/2025 09:15
Collector: CJO
Sample Type:Grab
Print Date: 3/4/2025

Digester

5040477-01 (Waste)

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed Date & Time	Method	Notes
Metals								
-								
Arsenic	<76.9	76.9	mg/Kg dry	A	B5A7715	02/06/2025 14:24	EPA SW 846-6010, 3050	
Cadmium	<76.9	76.9	mg/Kg dry	A	B5A7715	02/06/2025 14:24	EPA SW 846-6010, 3050	
Chromium	<76.9	76.9	mg/Kg dry	A	B5A7715	02/06/2025 14:24	EPA SW 846-6010, 3050	
Copper	94.6	76.9	mg/Kg dry	A	B5A7715	02/06/2025 14:24	EPA SW 846-6010, 3050	
Lead	<76.9	76.9	mg/Kg dry	A	B5A7715	02/06/2025 14:24	EPA SW 846-6010, 3050	
Mercury, Total	0.300	0.154	mg/Kg dry	A	B5A7721	02/04/2025 15:09	EPA SW 846-7471B	
Molybdenum	<76.9	76.9	mg/Kg dry	A	B5A7715	02/06/2025 14:24	EPA SW 846-6010, 3050	
Nickel	<76.9	76.9	mg/Kg dry	A	B5A7715	02/06/2025 14:24	EPA SW 846-6010, 3050	
Phosphorus, %	<1.00	1.00	% dry	A	B5A7718	02/06/2025 16:51	EPA SW 846-6010, 3050	
Potassium, %	<385	385	% dry	A	B5A7715	02/06/2025 14:24	EPA SW 846-6010, 3050	
Selenium	<76.9	76.9	mg/Kg dry	A	B5A7715	02/06/2025 14:24	EPA SW 846-6010, 3050	
Zinc	601	76.9	mg/Kg dry	A	B5A7715	02/06/2025 14:24	EPA SW 846-6010, 3050	
Wet Lab								
-								
NH3N %	<0.769	0.769	% dry	A	B5A7460	02/04/2025 17:14	EPA 350.2	
Nitrate-N, %	0.00550	0.000154	% dry	N	B5B3865	02/11/2025 12:07	SM 4500 NO3 D	53, B
Percent Solid	1.3	0.1	%	A	B5A7022	01/28/2025 13:18	SM 2540G	
pH-Sludge	7.095		std unit	A	B5B3430	02/03/2025 11:00	EPA SW 846-9040	
TKN %	16.2	0.0769	% dry	N	B5B3608	02/14/2025 09:45	EPA 351.2	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=App

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Montgomery County MUD 112
20141 Schiel Road
Cypress TX, 77433

SM 2540G - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5A7022 - No Prep	**Prepared: 01/28/25 13:18**									
Blank (B5A7022-BLK1)				**Analyzed:** 1/28/2025 1:18:00PM						
Percent Solid	ND	0.1	%							
Duplicate (B5A7022-DUP1)	**Source: 5040473-01**			**Analyzed:** 1/28/2025 1:18:00PM						
Percent Solid	2.20	0.1	%		2.20			0.00	20	
Batch B5A7460 - No Prep	**Prepared: 02/04/25 17:14**									
Blank (B5A7460-BLK1)				**Analyzed:** 2/4/2025 5:14:00PM						
NH3N %	ND	0.0100	% wet							
LCS (B5A7460-BS1)				**Analyzed:** 2/4/2025 5:14:00PM						
NH3N %	2.01		mg/L	2.00		101	80-120			
Matrix Spike (B5A7460-MS1)	**Source: 5031210-01**			**Analyzed:** 2/4/2025 5:14:00PM						
NH3N %	0.0727	0.0870	% dry	0.0696	ND	104	80-120			
Matrix Spike Dup (B5A7460-MSD1)	**Source: 5031210-01**			**Analyzed:** 2/4/2025 5:14:00PM						
NH3N %	0.0742	0.0870	% dry	0.0696	ND	107	80-120	2.10	20	
Batch B5A7715 - SW846-3050	**Prepared: 02/03/25 12:26**									
Blank (B5A7715-BLK1)				**Analyzed:** 2/6/2025 1:08:45PM						
Molybdenum	ND	1.00	mg/Kg wet							
Arsenic	ND	1.00	mg/Kg wet							
Cadmium	ND	1.00	mg/Kg wet							
Chromium	ND	1.00	mg/Kg wet							
Copper	ND	1.00	mg/Kg wet							
Lead	ND	1.00	mg/Kg wet							
Nickel	ND	1.00	mg/Kg wet							
Potassium, %	ND	5.00	% wet							
Selenium	ND	1.00	mg/Kg wet							
Zinc	ND	1.00	mg/Kg wet							
LCS (B5A7715-BS1)				**Analyzed:** 2/6/2025 1:12:10PM						
Molybdenum	2.51	1.00	mg/Kg wet	2.50		100	80-120			
Arsenic	2.56	1.00	mg/Kg wet	2.50		102	80-120			
Cadmium	2.5	1.00	mg/Kg wet	2.50		99.2	80-120			
Chromium	2.54	1.00	mg/Kg wet	2.50		102	80-120			
Copper	2.49	1.00	mg/Kg wet	2.50		99.6	80-120			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=App

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Montgomery County MUD 112
20141 Schiel Road
Cypress TX, 77433

EPA SW 846-6010, 3050 - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5A7715 - SW846-3050	**Prepared: 02/03/25 12:26**									
LCS (B5A7715-BS1)				**Analyzed:** 2/6/2025 1:12:10PM						
Lead	2.48	1.00	mg/Kg wet	2.50		99.2	80-120			
Nickel	2.43	1.00	mg/Kg wet	2.50		97.2	80-120			
Potassium, %	0.0237	5.00	% wet	0.0250		94.8	80-120			
Selenium	2.52	1.00	mg/Kg wet	2.50		101	80-120			
Zinc	2.47	1.00	mg/Kg wet	2.50		98.8	80-120			
Matrix Spike (B5A7715-MS1)	**Source: 5020413-01**			**Analyzed:** 2/6/2025 1:19:03PM						
Molybdenum	107.8431	9.80	mg/Kg dry	123	7.058824	82.2	75-125			
Arsenic	101	49.0	mg/Kg dry	123	ND	82.8	75-125			
Cadmium	99	9.80	mg/Kg dry	123	ND	80.8	75-125			
Chromium	128	9.80	mg/Kg dry	123	28.1	81.4	75-125			
Copper	314	9.80	mg/Kg dry	123	178	111	75-125			
Lead	106	9.80	mg/Kg dry	123	3.86	83.7	75-125			
Nickel	111	9.80	mg/Kg dry	123	14.3	79.2	75-125			
Potassium, %	1.51	49.0	% dry	1.23	0.515	81.2	75-125			
Selenium	115	9.80	mg/Kg dry	123	19.9	77.8	75-125			
Zinc	833.3334	9.80	mg/Kg dry	123	710.7844	100	75-125			
Matrix Spike Dup (B5A7715-MSD1)	**Source: 5020413-01**			**Analyzed:** 2/6/2025 1:22:32PM						
Molybdenum	120.5882	9.80	mg/Kg dry	123	7.058824	92.6	75-125	11.2	20	
Arsenic	112	49.0	mg/Kg dry	123	ND	91.6	75-125	10.1	20	
Cadmium	110	9.80	mg/Kg dry	123	ND	89.6	75-125	10.3	20	
Chromium	146	9.80	mg/Kg dry	123	28.1	96.2	75-125	13.2	20	
Copper	266	9.80	mg/Kg dry	123	178	71.6	75-125	16.6	20	
Lead	118	9.80	mg/Kg dry	123	3.86	93.3	75-125	10.5	20	
Nickel	125	9.80	mg/Kg dry	123	14.3	90.8	75-125	12.0	20	
Potassium, %	1.66	49.0	% dry	1.23	0.515	93.6	75-125	9.58	20	
Selenium	104	9.80	mg/Kg dry	123	19.9	69.0	75-125	9.82	20	
Zinc	705.8824	9.80	mg/Kg dry	123	710.7844	NR	75-125	16.6	20	
Batch B5A7718 - SW846-3050	**Prepared: 02/06/25 16:22**									
Blank (B5A7718-BLK1)				**Analyzed:** 2/6/2025 4:22:21PM						
Phosphorus, %	ND	1.00	% wet							
LCS (B5A7718-BS1)				**Analyzed:** 2/6/2025 4:23:57PM						
Phosphorus, %	0.00226	1.00	% wet	0.00252		89.6	80-120			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=App

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Montgomery County MUD 112
20141 Schiel Road
Cypress TX, 77433

EPA SW 846-6010, 3050 - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5A7718 - SW846-3050	**Prepared: 02/06/25 16:28**									
Matrix Spike (B5A7718-MS1)		**Source: 5020413-01**		**Analyzed:** 2/6/2025 4:28:45PM						
Phosphorus, %	1.49	1.00	% dry	0.124	1.62	NR	75-125			23
Matrix Spike Dup (B5A7718-MSD1)		**Source: 5020413-01**		**Analyzed:** 2/6/2025 4:30:21PM						
Phosphorus, %	1.78	1.00	% dry	0.124	1.62	134	75-125	18.0	20	
Batch B5A7721 - SW 846-7471B	**Prepared: 01/31/25 12:33**									
Blank (B5A7721-BLK1)				**Analyzed:** 2/4/2025 2:17:44PM						
Mercury, Total	ND	0.00200	mg/Kg wet							
LCS (B5A7721-BS1)				**Analyzed:** 2/4/2025 2:20:16PM						
Mercury, Total	0.0260	0.00200	mg/Kg wet	0.0250		104	80-120			
Matrix Spike (B5A7721-MS1)		**Source: 5020413-01**		**Analyzed:** 2/4/2025 2:27:52PM						
Mercury, Total	1.39	0.0196	mg/Kg dry	1.23	0.262	91.8	80-120			
Matrix Spike Dup (B5A7721-MSD1)		**Source: 5020413-01**		**Analyzed:** 2/4/2025 2:30:24PM						
Mercury, Total	1.56	0.0196	mg/Kg dry	1.23	0.262	106	80-120	11.6	20	
Batch B5B3430 - No Prep	**Prepared: 02/03/25 11:00**									
LCS (B5B3430-BS1)				**Analyzed:** 2/3/2025 11:00:00AM						
pH-Sludge	6.875		std unit	6.86		100	0-200			
Duplicate (B5B3430-DUP1)		**Source: 5040477-01**		**Analyzed:** 2/3/2025 11:00:00AM						
pH-Sludge	7.81		std unit		7.095			9.59	20	
Batch B5B3608 - No Prep	**Prepared: 02/04/25 12:10**									
Blank (B5B3608-BLK1)				**Analyzed:** 2/14/2025 9:45:00AM						
TKN %	ND	0.00100	% wet							
LCS (B5B3608-BS1)				**Analyzed:** 2/14/2025 9:45:00AM						
TKN %	10.435		mg/L	10.0		104	80-120			
Matrix Spike (B5B3608-MS1)		**Source: 5031210-01**		**Analyzed:** 2/14/2025 9:45:00AM						
TKN %	13.91376	0.00870	% dry	4.35	16.0105	NR	80-120			23
Matrix Spike Dup (B5B3608-MSD1)		**Source: 5031210-01**		**Analyzed:** 2/14/2025 9:45:00AM						
TKN %	13.92135	0.00870	% dry	4.35	16.0105	NR	80-120	0.0545	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=App

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Montgomery County MUD 112
20141 Schiel Road
Cypress TX, 77433

SM 4500 NO3 D - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5B3865 - No Prep	**Prepared: 02/11/25 12:07**									
Blank (B5B3865-BLK1)				**Analyzed:** 2/11/2025 12:07:00PM						
Nitrate-N, %	0.0000021	0.00000200	% wet							B
LCS (B5B3865-BS1)				**Analyzed:** 2/11/2025 12:07:00PM						
Nitrate-N, %	1		mg/L	1.00		100	80-120			B
Matrix Spike (B5B3865-MS1)	**Source: 5031210-01**			**Analyzed:** 2/11/2025 12:07:00PM						
Nitrate-N, %	8.765217E-03	0.0000174	% dry	0.000870	7.208695E-03	179	80-120			23, B
Matrix Spike Dup (B5B3865-MSD1)	**Source: 5031210-01**			**Analyzed:** 2/11/2025 12:07:00PM						
Nitrate-N, %	6.426087E-03	0.0000174	% dry	0.000870	7.208695E-03	NR	80-120	30.8	20	53, B

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=App

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Montgomery County MUD 112
20141 Schiel Road
Cypress TX, 77433

Notes and Definitions

B	Analyte detected in Method Blank.
53	RPD Recovery outside acceptance limits due to matrix interference.
23	Spike recovery outside of acceptance limits due to matrix interference.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=App

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

February 06, 2025

MOC Municipal Operations and Consulting
Montgomery County MUD 112
20141 Schiel Road
Cypress, TX 77433

RE: **MC MUD 112 Sludge**

Enclosed are the results of analyses for samples received by the laboratory on 01/27/25 15:15, with Lab ID Number 5040478. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Bowen
Chief Operations Officer

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Montgomery County MUD 112
20141 Schiel Road
Cypress TX, 77433

Case Narrative

40 CFR 503 Criterion for Fecal Coliform Class B = 2,000,000 MPN/g. for Class A = 1,000 MPN/g
40 CFR 503 Criterion for Vector Class B = <1.5mg/O2/g Solids/hr
*Fecal Coliform result is a geometric mean of seven individual samples.

LABORATORY ANALYTICAL REPORT

Project: MC MUD 112 Sludge b
Client Matrix: Waste

Sample Date & Time: 01/27/2025 09:15
Collector: CJO
Sample Type:Grab
Print Date: 2/6/2025

Digester

5040478-01 (Waste)

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed Date & Time	Method	Notes
Microbiological Lab								
-								
Fecal Coliform IDEXX	198900	1000	mpn/gram	N	B5A7007	01/27/2025 16:18	Colilert 18	
Vector	2.2	0.1	mg O2/hr/g	N	B5A7671	01/27/2025 16:00	TAC 312.83(b)(4)	
Wet Lab								
-								
Percent Solid	1.3	0.1	%	A	B5A7020	01/28/2025 13:10	SM 2540G	
Volatile Percent Solid	79.3	0.1	%	A	B5A7017	01/29/2025 10:42	EPA 160.4	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Montgomery County MUD 112
20141 Schiel Road
Cypress TX, 77433

Colilert 18 - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5A7007 - No Prep Micro	**Prepared: 01/27/25 16:18**									
Blank (B5A7007-BLK1)				**Analyzed:** 1/27/2025 4:18:00PM						
Fecal Coliform IDEXX	ND	1000	mpn/gram							
Duplicate (B5A7007-DUP1)	**Source: 5040478-01**			**Analyzed:** 1/27/2025 4:18:00PM						
Fecal Coliform IDEXX	299611	1000	mpn/gram		198900			40.4	200	
Batch B5A7017 - No Prep	**Prepared: 01/29/25 10:42**									
Blank (B5A7017-BLK1)				**Analyzed:** 1/29/2025 10:42:00AM						
Volatile Percent Solid	ND	0.1	%							
Duplicate (B5A7017-DUP1)	**Source: 5040473-01**			**Analyzed:** 1/29/2025 10:42:00AM						
Volatile Percent Solid	79.7	0.1	%		79.3			0.503	10	
Batch B5A7020 - No Prep	**Prepared: 01/28/25 13:10**									
Blank (B5A7020-BLK1)				**Analyzed:** 1/28/2025 1:10:00PM						
Percent Solid	ND	0.1	%							
Duplicate (B5A7020-DUP1)	**Source: 5040472-01**			**Analyzed:** 1/28/2025 1:10:00PM						
Percent Solid	2.20	0.1	%		2.30			4.44	20	
Batch B5A7671 - No Prep Micro	**Prepared: 01/27/25 16:00**									
Blank (B5A7671-BLK1)				**Analyzed:** 1/27/2025 4:00:00PM						
Vector	ND	0.1	mg O2/hr/g							
Duplicate (B5A7671-DUP1)	**Source: 5040481-01**			**Analyzed:** 1/27/2025 4:00:00PM						
Vector	2.18	0.1	mg O2/hr/g		2.44			11.3	200	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Montgomery County MUD 112
20141 Schiel Road
Cypress TX, 77433

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX ENVIRONMENTAL LABORATORY, INC.

P.O. Box 1089 * Coldspring, TX 77331 (936) 653-3249 * (800) 525-0508
P.O. Box 631375 * Nacogdoches, TX 75963-1375 (936) 569-8879 * FAX (936) 569-8951
www.eastexlabs.com

White Copy-Follows Samples
Yellow Copy-Laboratory
Pink Copy-Client Copy

REPORT TO:

Company: MOC
Address:
On file
Attn:
Phone#:
Email:
P.O. #:
Sampler's Name (print): Christopher Orozco
Sampler's Signature:
Project Name: MCMW112

INVOICE TO:

Company:
Address: SAME
Attn:
Phone#:

Remarks:

INSTRUCTIONS:

C or G: C= Composite G= Grab
Matrix: DW=Drinking Water WW=Wastewater SO=Soil/Sludge OT= Other
Container Size: 1=Gallon 2=1/2 Gallon 3=Quart/Liter 4=500mL 5=250mL 6=125mL (4oz) 7=60mL (2 oz) 8= 40mL Vial 9=Other
Type: P= Plastic G= Glass T= Teflon S= Sterile
Preservatives: C=Chilled S=Sulfuric Acid N=Nitric Acid B=Base/Caustic Z= Zn Acetate ST=Sodium Thiosulfate H=HCL O= Other

ANALYSIS REQUESTED

Work Order ID	Sample ID	Date	Time	Matrix	Field Data: C or G	DO	pH	Cl2	Flow	Temp	Containers: #	Size	Type	Pres	Mercury	NH3	Percent solid	Percent solid VOC	Fecal coliform
5040477	DIG	1/27/25	915	WW	G						1	3	P	C	1				
5040477	DIG	1/27/25	915	WW	G						2	5	P	C		1			
5040478	DIG	1/27/25	915	WW	G						1	5	P	C			1		
5040478	DIG	1/27/25	915	WW	G						7	6	P	C				1	

Relinquished By: Received By: Date Time Received Iced: YES / NO
Relinquished By: Received By: Date Time Received Iced: YES / NO
Relinquished By: Received By and/or Checked In By: Robin Ortega Date 1/27/25 Time 1513 Received Iced: YES / NO

LAB USE ONLY

Sample Condition Acceptable: YES / NO
Alternate Check In: Date Time
Temp °C: .2
*Therm ID: 15
Logged In By: Date 1-27-25 Time 1612

*Thermometer has 0.0 factor and recorded temperature is actual temperature

Northpark PUD

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

March 12, 2025

MOC Municipal Operations and Consulting
North Park PUD
20141 Schiel Road
Cypress, TX 77433

RE: **North Park Sludge**

Enclosed are the results of analyses for samples received by the laboratory on 02/04/25 14:30, with Lab ID Number 5050343. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Bowen
Chief Operations Officer

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

ANALYTICAL REPORT

PREPARED FOR

Attn: Natalie Sewell
Eastex Environmental Laboratory Inc.
PO BOX 1089
Coldspring, Texas 77331
Generated 2/17/2025 4:25:44 PM

JOB DESCRIPTION

North Park Sludge c Digester
020625B

JOB NUMBER

860-93024-1

Eurofins Houston
4145 Greenbriar Dr
Stafford TX 77477

See page two for job notes and contact information.

my EQL

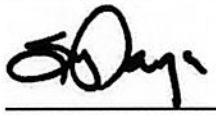
Eurofins Houston

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
2/17/2025 4:25:44 PM

Authorized for release by
Sylvia Garza, Project Manager
Sylvia.Garza@et.eurofinsus.com
(832)544-2004

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 7
Client Sample Results 8
Surrogate Summary 10
QC Sample Results 12
QC Association Summary 21
Lab Chronicle 23
Certification Summary 24
Method Summary 25
Sample Summary 26
Chain of Custody 27
Receipt Checklists 28

Definitions/Glossary

Client: Eastex Environmental Laboratory Inc.
Project/Site: North Park Sludge c Digester

Job ID: 860-93024-1
SDG: 020625B

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.

LCMS

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
860-93024-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 2/6/2025 10:06 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C.

GC/MS Semi VOA
Method 8270E_QQQ - TCLP: The continuing calibration verification (CCV) associated with batch 860-216219 recovered above the upper control limit for 2,4,5-Trichlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 860-216219/2).

Method 8270E_QQQ - TCLP: The continuing calibration verification (CCV) associated with batch 860-216906 recovered above the upper control limit for 2,4,6-Tribromophenol and 2,4-Dinitrotoluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 860-216906/2).

Method 8270E_QQQ - TCLP: The laboratory control sample duplicate (LCSD) for preparation batch 860-215941 and analytical batch 860-216219 recovered outside control limits for the following analyte(s): Pyridine. Pyridine has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for these analyte(s). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
Method 8081B - TCLP: The surrogate recovery for the blank associated with preparation batch 860-216302 and analytical batch 860-216424 was outside the upper control limits.

Method 8081B - TCLP: The continuing calibration verification (CCV) associated with 860-216424 recovered high and outside the control limits for Endrin and Methoxychlor on one column. Results are confirmed on both columns and reported from the passing column. The associated sample is: (CCVIS 860-216424/4).

Method 8081B - TCLP: The laboratory control sample (LCS) for preparation batch 860-216302 and analytical batch 860-216424 recovered outside control limits for the following analytes: Endrin. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8081B - TCLP: The laboratory control sample duplicate (LCSD) for preparation batch 860-216304 and analytical batch 860-216424 recovered outside control limits for the following analytes: Endrin. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Herbicides
Method 8321B_Herb - TCLP: The continuing calibration verification (CCV) associated with batch 860-215964 recovered above the upper control limit for Dicamba and Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 860-215964/19) and (CCVIS

Job ID: 860-93024-1 (Continued)

860-215964/3).

Method 8321B_Herb - TCLP: The matrix spike (MS) recoveries for preparation batch 860-215631 and analytical batch 860-215964 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample and laboratory control sample duplicate (LCS/LCSD) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Eastex Environmental Laboratory Inc.
Project/Site: North Park Sludge c Digester

Job ID: 860-93024-1
SDG: 020625B

Client Sample ID: North Park Sludge c Digester — **Lab Sample ID: 860-93024-1**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Eastex Environmental Laboratory Inc.
Project/Site: North Park Sludge c Digester

Job ID: 860-93024-1
SDG: 020625B

Client Sample ID: North Park Sludge c Digester
Date Collected: 02/04/25 09:30
Date Received: 02/06/25 10:06

Lab Sample ID: 860-93024-1
Matrix: Solid

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.011		mg/L		02/12/25 06:50	02/16/25 07:06	20
2,4,5-Trichlorophenol	ND		0.011		mg/L		02/12/25 06:50	02/16/25 07:06	20
2,4,6-Trichlorophenol	ND		0.011		mg/L		02/12/25 06:50	02/16/25 07:06	20
2,4-Dinitrotoluene	ND		0.011		mg/L		02/12/25 06:50	02/16/25 07:06	20
2-Methylphenol	ND		0.011		mg/L		02/12/25 06:50	02/16/25 07:06	20
3 & 4 Methylphenol	ND		0.011		mg/L		02/12/25 06:50	02/16/25 07:06	20
Hexachlorobenzene	ND		0.011		mg/L		02/12/25 06:50	02/16/25 07:06	20
Hexachlorobutadiene	ND		0.011		mg/L		02/12/25 06:50	02/16/25 07:06	20
Hexachloroethane	ND		0.011		mg/L		02/12/25 06:50	02/16/25 07:06	20
Nitrobenzene	ND		0.011		mg/L		02/12/25 06:50	02/16/25 07:06	20
Pentachlorophenol	ND		0.023		mg/L		02/12/25 06:50	02/16/25 07:06	20
Pyridine	ND		0.057		mg/L		02/12/25 06:50	02/16/25 07:06	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*112*		*35 - 130*	*02/12/25 06:50*	*02/16/25 07:06*	*20*
2-Fluorophenol (Surr)	*69*		*19 - 120*	*02/12/25 06:50*	*02/16/25 07:06*	*20*
2-Fluorobiphenyl	*110*		*43 - 130*	*02/12/25 06:50*	*02/16/25 07:06*	*20*
Nitrobenzene-d5 (Surr)	*99*		*37 - 133*	*02/12/25 06:50*	*02/16/25 07:06*	*20*
Phenol-d5 (Surr)	*53*		*8 - 124*	*02/12/25 06:50*	*02/16/25 07:06*	*20*
p-Terphenyl-d14 (Surr)	*93*		*47 - 130*	*02/12/25 06:50*	*02/16/25 07:06*	*20*

Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodane	ND		0.00098		mg/L		02/12/25 13:58	02/13/25 15:59	1
Endrin	ND	*+	0.000049		mg/L		02/12/25 13:58	02/13/25 15:59	1
Heptachlor	ND		0.000049		mg/L		02/12/25 13:58	02/13/25 15:59	1
Heptachlor epoxide	ND		0.000049		mg/L		02/12/25 13:58	02/13/25 15:59	1
gamma-BHC (Lindane)	ND		0.000049		mg/L		02/12/25 13:58	02/13/25 15:59	1
Methoxychlor	ND		0.000049		mg/L		02/12/25 13:58	02/13/25 15:59	1
Toxaphene	ND		0.00098		mg/L		02/12/25 13:58	02/13/25 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*55*		*28 - 94*	*02/12/25 13:58*	*02/13/25 15:59*	*1*
Tetrachloro-m-xylene	*104*		*52 - 134*	*02/12/25 13:58*	*02/13/25 15:59*	*1*

Method: SW846 8321B - Herbicides (LC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		13		ug/L			02/11/25 15:02	1
Dichlorprop	ND		13		ug/L			02/11/25 15:02	1
2,4,5-T	ND		13		ug/L			02/11/25 15:02	1
Pentachlorophenol	ND		2.5		ug/L			02/11/25 15:02	1
MCPP	ND		2.5		ug/L			02/11/25 15:02	1
MCPA	ND		2.5		ug/L			02/11/25 15:02	1
Dinoseb	ND		13		ug/L			02/11/25 15:02	1
Dicamba	ND		13		ug/L			02/11/25 15:02	1
2,4-DB	ND		13		ug/L			02/11/25 15:02	1
2,4-D	ND		13		ug/L			02/11/25 15:02	1
Dalapon	ND		13		ug/L			02/11/25 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*88*		*50 - 150*		*02/11/25 15:02*	*1*

Client: Eastex Environmental Laboratory Inc.
Project/Site: North Park Sludge c Digester

Job ID: 860-93024-1
SDG: 020625B

Client Sample ID: North Park Sludge c Digester
Date Collected: 02/04/25 09:30
Date Received: 02/06/25 10:06

Lab Sample ID: 860-93024-1
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	99.3				%			02/10/25 13:57	1
Percent Solids (EPA Moisture)	0.7				%			02/10/25 13:57	1

Client Sample ID: North Park Sludge c Digester
Date Collected: 02/04/25 09:30
Date Received: 02/06/25 10:06

Lab Sample ID: 860-93024-1
Matrix: Solid
Percent Solids: 0.7

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		70		mg/Kg	☼	02/13/25 14:46	02/14/25 15:35	1
PCB-1221	ND		70		mg/Kg	☼	02/13/25 14:46	02/14/25 15:35	1
PCB-1232	ND		70		mg/Kg	☼	02/13/25 14:46	02/14/25 15:35	1
PCB-1242	ND		70		mg/Kg	☼	02/13/25 14:46	02/14/25 15:35	1
PCB-1248	ND		70		mg/Kg	☼	02/13/25 14:46	02/14/25 15:35	1
PCB-1254	ND		70		mg/Kg	☼	02/13/25 14:46	02/14/25 15:35	1
PCB-1260	ND		70		mg/Kg	☼	02/13/25 14:46	02/14/25 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*35 - 140*	*02/13/25 14:46*	*02/14/25 15:35*	*1*
DCB Decachlorobiphenyl (Surr)	*108*		*37 - 142*	*02/13/25 14:46*	*02/14/25 15:35*	*1*

Surrogate Summary

Client: Eastex Environmental Laboratory Inc.
Project/Site: North Park Sludge c Digester

Job ID: 860-93024-1
SDG: 020625B

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	2FP	FBP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(35-130)	(19-120)	(43-130)	(37-133)	(8-124)	(47-130)
LCS 860-216143/2-A	Lab Control Sample	112	106	96	109	104	96
LCSD 860-215941/13-A	Lab Control Sample Dup	125	105	97	111	102	105
LCSD 860-216143/3-A	Lab Control Sample Dup	124	109	99	104	105	100
MB 860-215941/1-A	Method Blank	112	109	102	104	101	107
MB 860-216143/1-A	Method Blank	116	111	105	95	106	96

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Solid

Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	2FP	FBP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(35-130)	(19-120)	(43-130)	(37-133)	(8-124)	(47-130)
860-93024-1	North Park Sludge c Digester	112	69	110	99	53	93
LB 860-215631/1-E	Method Blank	117	119	111	108	117	127

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(28-94)	(52-134)
LCS 860-216302/2-A	Lab Control Sample	43	105
LCSD 860-216302/3-A	Lab Control Sample Dup	42	103
LCSD 860-216304/3-A	Lab Control Sample Dup	84	103
MB 860-216302/1-A	Method Blank	97 S1+	100
MB 860-216304/1-A	Method Blank	74	103

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Eastex Environmental Laboratory Inc.
Project/Site: North Park Sludge c Digester

Job ID: 860-93024-1
SDG: 020625B

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCB1 (28-94)	TCX1 (52-134)
860-93024-1	North Park Sludge c Digester	55	104
LB 860-215631/1-F	Method Blank	77	103

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) TCX1 (35-140)	DCB1 (37-142)
860-93024-1	North Park Sludge c Digester	76	108
LCS 860-216576/4-A	Lab Control Sample	86	111
LCSD 860-216576/5-A	Lab Control Sample Dup	92	122
MB 860-216576/1-A	Method Blank	83	108

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8321B - Herbicides (LC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCPAA (50-150)
LCS 860-215964/4	Lab Control Sample	93
LCSD 860-215964/5	Lab Control Sample Dup	94
MB 860-215964/7	Method Blank	116

Surrogate Legend

DCPAA = DCAA

Method: 8321B - Herbicides (LC/MS)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCPAA (50-150)
860-93024-1	North Park Sludge c Digester	88
860-93114-A-1-B MS	Matrix Spike	88
LB 860-215631/1-A	Method Blank	90

Surrogate Legend

DCPAA = DCAA

Client: Eastex Environmental Laboratory Inc.
Project/Site: North Park Sludge c Digester

Job ID: 860-93024-1
SDG: 020625B

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 860-215941/1-A
Matrix: Solid
Analysis Batch: 216219

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 215941

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.00057		mg/L		02/11/25 10:53	02/12/25 11:27	1
2,4,5-Trichlorophenol	ND		0.00057		mg/L		02/11/25 10:53	02/12/25 11:27	1
2,4,6-Trichlorophenol	ND		0.00057		mg/L		02/11/25 10:53	02/12/25 11:27	1
2,4-Dinitrotoluene	ND		0.00057		mg/L		02/11/25 10:53	02/12/25 11:27	1
2-Methylphenol	ND		0.00057		mg/L		02/11/25 10:53	02/12/25 11:27	1
3 & 4 Methylphenol	ND		0.00057		mg/L		02/11/25 10:53	02/12/25 11:27	1
Hexachlorobenzene	ND		0.00057		mg/L		02/11/25 10:53	02/12/25 11:27	1
Hexachlorobutadiene	ND		0.00057		mg/L		02/11/25 10:53	02/12/25 11:27	1
Hexachloroethane	ND		0.00057		mg/L		02/11/25 10:53	02/12/25 11:27	1
Nitrobenzene	ND		0.00057		mg/L		02/11/25 10:53	02/12/25 11:27	1
Pentachlorophenol	ND		0.0011		mg/L		02/11/25 10:53	02/12/25 11:27	1
Pyridine	ND		0.0029		mg/L		02/11/25 10:53	02/12/25 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*112*		*35 - 130*	*02/11/25 10:53*	*02/12/25 11:27*	*1*
2-Fluorophenol (Surr)	*109*		*19 - 120*	*02/11/25 10:53*	*02/12/25 11:27*	*1*
2-Fluorobiphenyl	*102*		*43 - 130*	*02/11/25 10:53*	*02/12/25 11:27*	*1*
Nitrobenzene-d5 (Surr)	*104*		*37 - 133*	*02/11/25 10:53*	*02/12/25 11:27*	*1*
Phenol-d5 (Surr)	*101*		*8 - 124*	*02/11/25 10:53*	*02/12/25 11:27*	*1*
p-Terphenyl-d14 (Surr)	*107*		*47 - 130*	*02/11/25 10:53*	*02/12/25 11:27*	*1*

Lab Sample ID: LCSD 860-215941/13-A
Matrix: Solid
Analysis Batch: 216219

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 215941

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.00571	0.00565		mg/L		99	28 - 130	5	30
2,4,5-Trichlorophenol			0.00571	0.00712		mg/L		125	35 - 130	9	30
2,4,6-Trichlorophenol			0.00571	0.00686		mg/L		120	52 - 129	6	30
2,4-Dinitrotoluene			0.00571	0.00533		mg/L		93	48 - 127	3	30
2-Methylphenol			0.00571	0.00564		mg/L		99	14 - 176	4	30
3 & 4 Methylphenol			0.00571	0.00571		mg/L		100	22 - 130	7	30
Hexachlorobenzene			0.00571	0.00599		mg/L		105	8 - 142	5	30
Hexachlorobutadiene			0.00571	0.00625		mg/L		109	10 - 130	4	30
Hexachloroethane			0.00571	0.00504		mg/L		88	10 - 130	7	30
Nitrobenzene			0.00571	0.00609		mg/L		107	54 - 130	3	30
Pentachlorophenol			0.00571	0.00531		mg/L		93	38 - 152	5	30
Pyridine			0.00571	ND	*- *1	mg/L		0	1 - 126	200	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*125*		*35 - 130*
2-Fluorophenol (Surr)	*105*		*19 - 120*
2-Fluorobiphenyl	*97*		*43 - 130*
Nitrobenzene-d5 (Surr)	*111*		*37 - 133*
Phenol-d5 (Surr)	*102*		*8 - 124*
p-Terphenyl-d14 (Surr)	*105*		*47 - 130*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 860-216143/1-A
Matrix: Solid
Analysis Batch: 216219

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 216143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.00057		mg/L		02/12/25 06:50	02/12/25 14:21	1
2,4,5-Trichlorophenol	ND		0.00057		mg/L		02/12/25 06:50	02/12/25 14:21	1
2,4,6-Trichlorophenol	ND		0.00057		mg/L		02/12/25 06:50	02/12/25 14:21	1
2,4-Dinitrotoluene	ND		0.00057		mg/L		02/12/25 06:50	02/12/25 14:21	1
2-Methylphenol	ND		0.00057		mg/L		02/12/25 06:50	02/12/25 14:21	1
3 & 4 Methylphenol	ND		0.00057		mg/L		02/12/25 06:50	02/12/25 14:21	1
Hexachlorobenzene	ND		0.00057		mg/L		02/12/25 06:50	02/12/25 14:21	1
Hexachlorobutadiene	ND		0.00057		mg/L		02/12/25 06:50	02/12/25 14:21	1
Hexachloroethane	ND		0.00057		mg/L		02/12/25 06:50	02/12/25 14:21	1
Nitrobenzene	ND		0.00057		mg/L		02/12/25 06:50	02/12/25 14:21	1
Pentachlorophenol	ND		0.0011		mg/L		02/12/25 06:50	02/12/25 14:21	1
Pyridine	ND		0.0029		mg/L		02/12/25 06:50	02/12/25 14:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*116*		*35 - 130*	*02/12/25 06:50*	*02/12/25 14:21*	*1*
2-Fluorophenol (Surr)	*111*		*19 - 120*	*02/12/25 06:50*	*02/12/25 14:21*	*1*
2-Fluorobiphenyl	*105*		*43 - 130*	*02/12/25 06:50*	*02/12/25 14:21*	*1*
Nitrobenzene-d5 (Surr)	*95*		*37 - 133*	*02/12/25 06:50*	*02/12/25 14:21*	*1*
Phenol-d5 (Surr)	*106*		*8 - 124*	*02/12/25 06:50*	*02/12/25 14:21*	*1*
p-Terphenyl-d14 (Surr)	*96*		*47 - 130*	*02/12/25 06:50*	*02/12/25 14:21*	*1*

Lab Sample ID: LCS 860-216143/2-A
Matrix: Solid
Analysis Batch: 216219

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 216143

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.00571	0.00534		mg/L		93	28 - 130
2,4,5-Trichlorophenol	0.00571	0.00674		mg/L		118	35 - 130
2,4,6-Trichlorophenol	0.00571	0.00630		mg/L		110	52 - 129
2,4-Dinitrotoluene	0.00571	0.00470		mg/L		82	48 - 127
2-Methylphenol	0.00571	0.00525		mg/L		92	14 - 176
3 & 4 Methylphenol	0.00571	0.00539		mg/L		94	22 - 130
Hexachlorobenzene	0.00571	0.00529		mg/L		93	8 - 142
Hexachlorobutadiene	0.00571	0.00565		mg/L		99	10 - 130
Hexachloroethane	0.00571	0.00494		mg/L		86	10 - 130
Nitrobenzene	0.00571	0.00555		mg/L		97	54 - 130
Pentachlorophenol	0.00571	0.00479		mg/L		84	38 - 152
Pyridine	0.00571	0.00242	J	mg/L		42	1 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*112*		*35 - 130*
2-Fluorophenol (Surr)	*106*		*19 - 120*
2-Fluorobiphenyl	*96*		*43 - 130*
Nitrobenzene-d5 (Surr)	*109*		*37 - 133*
Phenol-d5 (Surr)	*104*		*8 - 124*
p-Terphenyl-d14 (Surr)	*96*		*47 - 130*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 860-216143/3-A
Matrix: Solid
Analysis Batch: 216219

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 216143

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.00571	0.00547		mg/L		96	28 - 130	2	30
2,4,5-Trichlorophenol	0.00571	0.00656		mg/L		115	35 - 130	3	30
2,4,6-Trichlorophenol	0.00571	0.00618		mg/L		108	52 - 129	2	30
2,4-Dinitrotoluene	0.00571	0.00516		mg/L		90	48 - 127	9	30
2-Methylphenol	0.00571	0.00513		mg/L		90	14 - 176	2	30
3 & 4 Methylphenol	0.00571	0.00533		mg/L		93	22 - 130	1	30
Hexachlorobenzene	0.00571	0.00525		mg/L		92	8 - 142	1	30
Hexachlorobutadiene	0.00571	0.00554		mg/L		97	10 - 130	2	30
Hexachloroethane	0.00571	0.00502		mg/L		88	10 - 130	2	30
Nitrobenzene	0.00571	0.00565		mg/L		99	54 - 130	2	30
Pentachlorophenol	0.00571	0.00472		mg/L		83	38 - 152	2	30
Pyridine	0.00571	0.00259	J	mg/L		45	1 - 126	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*124*		*35 - 130*
2-Fluorophenol (Surr)	*109*		*19 - 120*
2-Fluorobiphenyl	*99*		*43 - 130*
Nitrobenzene-d5 (Surr)	*104*		*37 - 133*
Phenol-d5 (Surr)	*105*		*8 - 124*
p-Terphenyl-d14 (Surr)	*100*		*47 - 130*

Lab Sample ID: LB 860-215631/1-E
Matrix: Solid
Analysis Batch: 216376

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 215941

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.00057		mg/L		02/12/25 05:58	02/13/25 00:07	1
2,4,5-Trichlorophenol	ND		0.00057		mg/L		02/12/25 05:58	02/13/25 00:07	1
2,4,6-Trichlorophenol	ND		0.00057		mg/L		02/12/25 05:58	02/13/25 00:07	1
2,4-Dinitrotoluene	ND		0.00057		mg/L		02/12/25 05:58	02/13/25 00:07	1
2-Methylphenol	ND		0.00057		mg/L		02/12/25 05:58	02/13/25 00:07	1
3 & 4 Methylphenol	ND		0.00057		mg/L		02/12/25 05:58	02/13/25 00:07	1
Hexachlorobenzene	ND		0.00057		mg/L		02/12/25 05:58	02/13/25 00:07	1
Hexachlorobutadiene	ND		0.00057		mg/L		02/12/25 05:58	02/13/25 00:07	1
Hexachloroethane	ND		0.00057		mg/L		02/12/25 05:58	02/13/25 00:07	1
Nitrobenzene	ND		0.00057		mg/L		02/12/25 05:58	02/13/25 00:07	1
Pentachlorophenol	ND		0.0011		mg/L		02/12/25 05:58	02/13/25 00:07	1
Pyridine	ND		0.0029		mg/L		02/12/25 05:58	02/13/25 00:07	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*117*		*35 - 130*	*02/12/25 05:58*	*02/13/25 00:07*	*1*
2-Fluorophenol (Surr)	*119*		*19 - 120*	*02/12/25 05:58*	*02/13/25 00:07*	*1*
2-Fluorobiphenyl	*111*		*43 - 130*	*02/12/25 05:58*	*02/13/25 00:07*	*1*
Nitrobenzene-d5 (Surr)	*108*		*37 - 133*	*02/12/25 05:58*	*02/13/25 00:07*	*1*
Phenol-d5 (Surr)	*117*		*8 - 124*	*02/12/25 05:58*	*02/13/25 00:07*	*1*
p-Terphenyl-d14 (Surr)	*127*		*47 - 130*	*02/12/25 05:58*	*02/13/25 00:07*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 860-216302/1-A
Matrix: Solid
Analysis Batch: 216424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 216302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodane	ND		0.0010		mg/L		02/12/25 13:58	02/13/25 12:04	1
Endrin	ND		0.000050		mg/L		02/12/25 13:58	02/13/25 12:04	1
Heptachlor	ND		0.000050		mg/L		02/12/25 13:58	02/13/25 12:04	1
Heptachlor epoxide	ND		0.000050		mg/L		02/12/25 13:58	02/13/25 12:04	1
gamma-BHC (Lindane)	ND		0.000050		mg/L		02/12/25 13:58	02/13/25 12:04	1
Methoxychlor	ND		0.000050		mg/L		02/12/25 13:58	02/13/25 12:04	1
Toxaphene	ND		0.0010		mg/L		02/12/25 13:58	02/13/25 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*	*S1+*	*28 - 94*	*02/12/25 13:58*	*02/13/25 12:04*	*1*
Tetrachloro-m-xylene	*100*		*52 - 134*	*02/12/25 13:58*	*02/13/25 12:04*	*1*

Lab Sample ID: LCS 860-216302/2-A
Matrix: Solid
Analysis Batch: 216424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 216302

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Endrin	0.00125	0.00129	*+	mg/L		103	55 - 102
Heptachlor	0.00125	0.00100		mg/L		80	55 - 106
Heptachlor epoxide	0.00125	0.00106		mg/L		85	56 - 109
gamma-BHC (Lindane)	0.00125	0.00105		mg/L		84	59 - 107
Methoxychlor	0.00125	0.000910		mg/L		73	53 - 102

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*43*		*28 - 94*
Tetrachloro-m-xylene	*105*		*52 - 134*

Lab Sample ID: LCSD 860-216302/3-A
Matrix: Solid
Analysis Batch: 216424

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 216302

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endrin	0.00125	0.00127		mg/L		102	55 - 102	2	25
Heptachlor	0.00125	0.000987		mg/L		79	55 - 106	2	25
Heptachlor epoxide	0.00125	0.00105		mg/L		84	56 - 109	1	25
gamma-BHC (Lindane)	0.00125	0.00104		mg/L		83	59 - 107	2	25
Methoxychlor	0.00125	0.000878		mg/L		70	53 - 102	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*42*		*28 - 94*
Tetrachloro-m-xylene	*103*		*52 - 134*

Lab Sample ID: MB 860-216304/1-A
Matrix: Solid
Analysis Batch: 216424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 216304

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodane	ND		0.0010		mg/L		02/12/25 14:02	02/13/25 10:34	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 860-216304/1-A
Matrix: Solid
Analysis Batch: 216424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 216304

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		0.000050		mg/L		02/12/25 14:02	02/13/25 10:34	1
Heptachlor	ND		0.000050		mg/L		02/12/25 14:02	02/13/25 10:34	1
Heptachlor epoxide	ND		0.000050		mg/L		02/12/25 14:02	02/13/25 10:34	1
gamma-BHC (Lindane)	ND		0.000050		mg/L		02/12/25 14:02	02/13/25 10:34	1
Methoxychlor	ND		0.000050		mg/L		02/12/25 14:02	02/13/25 10:34	1
Toxaphene	ND		0.0010		mg/L		02/12/25 14:02	02/13/25 10:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*28 - 94*	*02/12/25 14:02*	*02/13/25 10:34*	*1*
Tetrachloro-m-xylene	*103*		*52 - 134*	*02/12/25 14:02*	*02/13/25 10:34*	*1*

Lab Sample ID: LCSD 860-216304/3-A
Matrix: Solid
Analysis Batch: 216424

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 216304

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endrin	0.00125	0.00135	*+	mg/L		108	55 - 102	6	25
Heptachlor	0.00125	0.00104		mg/L		83	55 - 106	6	25
Heptachlor epoxide	0.00125	0.00108		mg/L		86	56 - 109	6	25
gamma-BHC (Lindane)	0.00125	0.00110		mg/L		88	59 - 107	6	25
Methoxychlor	0.00125	0.00101		mg/L		80	53 - 102	6	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*28 - 94*
Tetrachloro-m-xylene	*103*		*52 - 134*

Lab Sample ID: LB 860-215631/1-F
Matrix: Solid
Analysis Batch: 216424

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 216304

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodane	ND		0.0010		mg/L		02/12/25 14:02	02/13/25 11:30	1
Endrin	ND		0.000050		mg/L		02/12/25 14:02	02/13/25 11:30	1
Heptachlor	ND		0.000050		mg/L		02/12/25 14:02	02/13/25 11:30	1
Heptachlor epoxide	ND		0.000050		mg/L		02/12/25 14:02	02/13/25 11:30	1
gamma-BHC (Lindane)	ND		0.000050		mg/L		02/12/25 14:02	02/13/25 11:30	1
Methoxychlor	ND		0.000050		mg/L		02/12/25 14:02	02/13/25 11:30	1
Toxaphene	ND		0.0010		mg/L		02/12/25 14:02	02/13/25 11:30	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*28 - 94*	*02/12/25 14:02*	*02/13/25 11:30*	*1*
Tetrachloro-m-xylene	*103*		*52 - 134*	*02/12/25 14:02*	*02/13/25 11:30*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 860-216576/1-A
Matrix: Solid
Analysis Batch: 216682

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 216576

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017		mg/Kg		02/13/25 14:46	02/14/25 14:21	1
PCB-1221	ND		0.017		mg/Kg		02/13/25 14:46	02/14/25 14:21	1
PCB-1232	ND		0.017		mg/Kg		02/13/25 14:46	02/14/25 14:21	1
PCB-1242	ND		0.017		mg/Kg		02/13/25 14:46	02/14/25 14:21	1
PCB-1248	ND		0.017		mg/Kg		02/13/25 14:46	02/14/25 14:21	1
PCB-1254	ND		0.017		mg/Kg		02/13/25 14:46	02/14/25 14:21	1
PCB-1260	ND		0.017		mg/Kg		02/13/25 14:46	02/14/25 14:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*35 - 140*	*02/13/25 14:46*	*02/14/25 14:21*	*1*
DCB Decachlorobiphenyl (Surr)	*108*		*37 - 142*	*02/13/25 14:46*	*02/14/25 14:21*	*1*

Lab Sample ID: LCS 860-216576/4-A
Matrix: Solid
Analysis Batch: 216682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 216576

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	0.167	0.172		mg/Kg		103	27 - 121
PCB-1260	0.167	0.178		mg/Kg		107	27 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*86*		*35 - 140*
DCB Decachlorobiphenyl (Surr)	*111*		*37 - 142*

Lab Sample ID: LCSD 860-216576/5-A
Matrix: Solid
Analysis Batch: 216682

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 216576

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	0.167	0.187		mg/Kg		112	27 - 121	8	20
PCB-1260	0.167	0.199		mg/Kg		119	27 - 139	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*92*		*35 - 140*
DCB Decachlorobiphenyl (Surr)	*122*		*37 - 142*

Method: 8321B - Herbicides (LC/MS)

Lab Sample ID: MB 860-215964/7
Matrix: Solid
Analysis Batch: 215964

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		5.0		ug/L			02/11/25 14:20	1
Dichlorprop	ND		5.0		ug/L			02/11/25 14:20	1
2,4,5-T	ND		5.0		ug/L			02/11/25 14:20	1
Pentachlorophenol	ND		1.0		ug/L			02/11/25 14:20	1
MCPP	ND		1.0		ug/L			02/11/25 14:20	1

Method: 8321B - Herbicides (LC/MS) (Continued)

Lab Sample ID: MB 860-215964/7
Matrix: Solid
Analysis Batch: 215964

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		1.0		ug/L			02/11/25 14:20	1
Dinoseb	ND		5.0		ug/L			02/11/25 14:20	1
Dicamba	ND		5.0		ug/L			02/11/25 14:20	1
2,4-DB	ND		5.0		ug/L			02/11/25 14:20	1
2,4-D	ND		5.0		ug/L			02/11/25 14:20	1
Dalapon	ND		5.0		ug/L			02/11/25 14:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*116*		*50 - 150*		*02/11/25 14:20*	*1*

Lab Sample ID: LCS 860-215964/4
Matrix: Solid
Analysis Batch: 215964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silvex (2,4,5-TP)	40.2	34.3		ug/L		85	50 - 150
Dichlorprop	40.4	48.2		ug/L		119	50 - 150
2,4,5-T	39.8	32.5		ug/L		82	50 - 150
Pentachlorophenol	40.3	53.4		ug/L		133	50 - 150
MCPP	40.4	37.9		ug/L		94	50 - 150
MCPA	40.1	42.4		ug/L		106	50 - 150
Dinoseb	40.3	39.6		ug/L		98	50 - 150
Dicamba	40.4	56.2		ug/L		139	50 - 150
2,4-DB	40.2	37.3		ug/L		93	50 - 150
2,4-D	40.7	30.8		ug/L		76	50 - 150
Dalapon	40.1	40.3		ug/L		100	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA	*93*		*50 - 150*

Lab Sample ID: LCSD 860-215964/5
Matrix: Solid
Analysis Batch: 215964

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silvex (2,4,5-TP)	40.2	33.6		ug/L		84	50 - 150	2	30
Dichlorprop	40.4	47.8		ug/L		118	50 - 150	1	30
2,4,5-T	39.8	32.2		ug/L		81	50 - 150	1	30
Pentachlorophenol	40.3	54.4		ug/L		135	50 - 150	2	30
MCPP	40.4	37.5		ug/L		93	50 - 150	1	30
MCPA	40.1	42.5		ug/L		106	50 - 150	0	30
Dinoseb	40.3	38.7		ug/L		96	50 - 150	2	30
Dicamba	40.4	57.2		ug/L		141	50 - 150	2	30
2,4-DB	40.2	36.0		ug/L		89	50 - 150	4	30
2,4-D	40.7	30.9		ug/L		76	50 - 150	1	30
Dalapon	40.1	39.4		ug/L		98	50 - 150	2	30

Method: 8321B - Herbicides (LC/MS) (Continued)

Lab Sample ID: LCSD 860-215964/5
Matrix: Solid
Analysis Batch: 215964

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCAA	94		50 - 150

Lab Sample ID: LB 860-215631/1-A
Matrix: Solid
Analysis Batch: 215964

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		13		ug/L			02/11/25 14:27	1
Dichlorprop	ND		13		ug/L			02/11/25 14:27	1
2,4,5-T	ND		13		ug/L			02/11/25 14:27	1
Pentachlorophenol	ND		2.5		ug/L			02/11/25 14:27	1
MCPP	ND		2.5		ug/L			02/11/25 14:27	1
MCPA	ND		2.5		ug/L			02/11/25 14:27	1
Dinoseb	ND		13		ug/L			02/11/25 14:27	1
Dicamba	ND		13		ug/L			02/11/25 14:27	1
2,4-DB	ND		13		ug/L			02/11/25 14:27	1
2,4-D	ND		13		ug/L			02/11/25 14:27	1
Dalapon	ND		13		ug/L			02/11/25 14:27	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	90		50 - 150		02/11/25 14:27	1

Lab Sample ID: 860-93114-A-1-B MS
Matrix: Solid
Analysis Batch: 215964

Client Sample ID: Matrix Spike
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silvex (2,4,5-TP)	ND		100	83.1		ug/L		83	50 - 150
Dichlorprop	ND		101	118		ug/L		117	50 - 150
2,4,5-T	ND		99.6	83.6		ug/L		84	50 - 150
Pentachlorophenol	ND	F1	101	154	F1	ug/L		152	50 - 150
MCPP	ND		101	97.1		ug/L		96	50 - 150
MCPA	ND		100	111		ug/L		111	50 - 150
Dinoseb	ND		101	108		ug/L		107	50 - 150
Dicamba	ND		101	139		ug/L		138	50 - 150
2,4-DB	ND		101	99.5		ug/L		99	50 - 150
2,4-D	ND		102	81.5		ug/L		80	50 - 150
Dalapon	ND		100	97.8		ug/L		97	50 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCAA	88		50 - 150

QC Sample Results

Client: Eastex Environmental Laboratory Inc.
Project/Site: North Park Sludge c Digester

Job ID: 860-93024-1
SDG: 020625B

Method: Moisture - Percent Moisture

Lab Sample ID: MB 860-215759/1
Matrix: Solid
Analysis Batch: 215759

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	0.02				%			02/10/25 13:57	1
Percent Solids	100				%			02/10/25 13:57	1

Lab Sample ID: 860-92851-A-6 DU
Matrix: Solid
Analysis Batch: 215759

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	32.6			34.0		%				4	20
Percent Solids	67.4			66.0		%				2	20

QC Association Summary

Client: Eastex Environmental Laboratory Inc.
Project/Site: North Park Sludge c Digester

Job ID: 860-93024-1
SDG: 020625B

GC/MS Semi VOA

Leach Batch: 215631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-93024-1	North Park Sludge c Digester	TCLP	Solid	1311	
LB 860-215631/1-E	Method Blank	TCLP	Solid	1311	

Prep Batch: 215941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-215631/1-E	Method Blank	TCLP	Solid	3511	215631
MB 860-215941/1-A	Method Blank	Total/NA	Solid	3511	
LCSD 860-215941/13-A	Lab Control Sample Dup	Total/NA	Solid	3511	

Prep Batch: 216143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-93024-1	North Park Sludge c Digester	TCLP	Solid	3511	215631
MB 860-216143/1-A	Method Blank	Total/NA	Solid	3511	
LCS 860-216143/2-A	Lab Control Sample	Total/NA	Solid	3511	
LCSD 860-216143/3-A	Lab Control Sample Dup	Total/NA	Solid	3511	

Analysis Batch: 216219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-215941/1-A	Method Blank	Total/NA	Solid	8270E	215941
MB 860-216143/1-A	Method Blank	Total/NA	Solid	8270E	216143
LCS 860-216143/2-A	Lab Control Sample	Total/NA	Solid	8270E	216143
LCSD 860-215941/13-A	Lab Control Sample Dup	Total/NA	Solid	8270E	215941
LCSD 860-216143/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	216143

Analysis Batch: 216376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-215631/1-E	Method Blank	TCLP	Solid	8270E	215941

Analysis Batch: 216906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-93024-1	North Park Sludge c Digester	TCLP	Solid	8270E	216143

GC Semi VOA

Leach Batch: 215631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-93024-1	North Park Sludge c Digester	TCLP	Solid	1311	
LB 860-215631/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 216302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-93024-1	North Park Sludge c Digester	TCLP	Solid	3511	215631
MB 860-216302/1-A	Method Blank	Total/NA	Solid	3511	
LCS 860-216302/2-A	Lab Control Sample	Total/NA	Solid	3511	
LCSD 860-216302/3-A	Lab Control Sample Dup	Total/NA	Solid	3511	

Prep Batch: 216304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-215631/1-F	Method Blank	TCLP	Solid	3511	215631
MB 860-216304/1-A	Method Blank	Total/NA	Solid	3511	
LCSD 860-216304/3-A	Lab Control Sample Dup	Total/NA	Solid	3511	

QC Association Summary

Client: Eastex Environmental Laboratory Inc.
Project/Site: North Park Sludge c Digester

Job ID: 860-93024-1
SDG: 020625B

GC Semi VOA

Analysis Batch: 216424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-93024-1	North Park Sludge c Digester	TCLP	Solid	8081B	216302
LB 860-215631/1-F	Method Blank	TCLP	Solid	8081B	216304
MB 860-216302/1-A	Method Blank	Total/NA	Solid	8081B	216302
MB 860-216304/1-A	Method Blank	Total/NA	Solid	8081B	216304
LCS 860-216302/2-A	Lab Control Sample	Total/NA	Solid	8081B	216302
LCSD 860-216302/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	216302
LCSD 860-216304/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	216304

Prep Batch: 216576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-93024-1	North Park Sludge c Digester	Total/NA	Solid	3550C	
MB 860-216576/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 860-216576/4-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 860-216576/5-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 216682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-93024-1	North Park Sludge c Digester	Total/NA	Solid	8082A	216576
MB 860-216576/1-A	Method Blank	Total/NA	Solid	8082A	216576
LCS 860-216576/4-A	Lab Control Sample	Total/NA	Solid	8082A	216576
LCSD 860-216576/5-A	Lab Control Sample Dup	Total/NA	Solid	8082A	216576

LCMS

Leach Batch: 215631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-93024-1	North Park Sludge c Digester	TCLP	Solid	1311	
LB 860-215631/1-A	Method Blank	TCLP	Solid	1311	
860-93114-A-1-B MS	Matrix Spike	TCLP	Solid	1311	

Analysis Batch: 215964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-93024-1	North Park Sludge c Digester	TCLP	Solid	8321B	215631
LB 860-215631/1-A	Method Blank	TCLP	Solid	8321B	215631
MB 860-215964/7	Method Blank	Total/NA	Solid	8321B	
LCS 860-215964/4	Lab Control Sample	Total/NA	Solid	8321B	
LCSD 860-215964/5	Lab Control Sample Dup	Total/NA	Solid	8321B	
860-93114-A-1-B MS	Matrix Spike	TCLP	Solid	8321B	215631

General Chemistry

Analysis Batch: 215759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-93024-1	North Park Sludge c Digester	Total/NA	Solid	Moisture	
MB 860-215759/1	Method Blank	Total/NA	Solid	Moisture	
860-92851-A-6 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Eastex Environmental Laboratory Inc.
Project/Site: North Park Sludge c Digester

Job ID: 860-93024-1
SDG: 020625B

Client Sample ID: North Park Sludge c Digester

Lab Sample ID: 860-93024-1
Matrix: Solid

Date Collected: 02/04/25 09:30
Date Received: 02/06/25 10:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			100.03 g	2000 mL	215631	02/10/25 12:00	EMC	EET HOU
							Completed:	02/11/25 04:00 [1]		
TCLP	Prep	3511			69.7 mL	4 mL	216143	02/12/25 06:50	DR	EET HOU
TCLP	Analysis	8270E		20	1 mL	1 mL	216906	02/16/25 07:06	T1S	EET HOU
TCLP	Leach	1311			100.03 g	2000 mL	215631	02/10/25 12:00	EMC	EET HOU
							Completed:	02/11/25 04:00 [1]		
TCLP	Prep	3511			51 mL	5 mL	216302	02/12/25 13:58	TH	EET HOU
TCLP	Analysis	8081B		1			216424	02/13/25 15:59	KM	EET HOU
TCLP	Leach	1311			100.03 g	2000 mL	215631	02/10/25 12:00	EMC	EET HOU
							Completed:	02/11/25 04:00 [1]		
TCLP	Analysis	8321B		1	0.2 mL	1 mL	215964	02/11/25 15:02	JBS	EET HOU
Total/NA	Analysis	Moisture		1			215759	02/10/25 13:57	JC	EET HOU

Client Sample ID: North Park Sludge c Digester

Lab Sample ID: 860-93024-1
Matrix: Solid
Percent Solids: 0.7

Date Collected: 02/04/25 09:30
Date Received: 02/06/25 10:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			1.02 g	5 mL	216576	02/13/25 14:46	BH	EET HOU
Total/NA	Analysis	8082A		1			216682	02/14/25 15:35	KM	EET HOU

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Eastex Environmental Laboratory Inc.
Project/Site: North Park Sludge c Digester

Job ID: 860-93024-1
SDG: 020625B

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-04-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	12-20-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	07-01-26
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Method Summary

Client: Eastex Environmental Laboratory Inc.
Project/Site: North Park Sludge c Digester

Job ID: 860-93024-1
SDG: 020625B

Method	Method Description	Protocol	Laboratory
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET HOU
8081B	Organochlorine Pesticides (GC)	SW846	EET HOU
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET HOU
8321B	Herbicides (LC/MS)	SW846	EET HOU
Moisture	Percent Moisture	EPA	EET HOU
1311	TCLP Extraction	SW846	EET HOU
3511	Microextraction of Organic Compounds	SW846	EET HOU
3550C	Ultrasonic Extraction	SW846	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: Eastex Environmental Laboratory Inc.
Project/Site: North Park Sludge c Digester

Job ID: 860-93024-1
Sa G:&yvxy5B

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
860-93024-1	North Park Sludge c Digester	Solid	02/04/25 09:30	02/06/25 10:06

SUBCONTRACT ORDER

EASTEX ENVIRONMENTAL LABS INC

Sending Laboratory:

Eastex Environmental Laboratory Coldspring
PO Box 1089
Coldspring, TX 77331

Phone 936-653 3249
eastexlab@eastex net
Project Manager Daniel Bowen
dbowen@eastexlabs.com

Subcontracted Laboratory:

Eurofins Xenco LLC
4147 Greenbriar Dr
Stafford, TX 77477

Phone 713-690-4444
Fax 713-690-5646

DB 2/6

PO 020625B

Requested Turnaround 10 Days

Sample ID: North Park Sludge c Digester **Sample No. 5050343-01** ***Waste*** **Sampled: 02/04/2025 09:30**

TCLP SUBCONTRACT
PCB SUBCONTRACT
Containers Supplied 2

Special Instructions TCLP HERBICIDES (SW-846-8151A Method By GC) TCLP-ORGANOCHLORINE ESTICIDES (GC-8081B Method) TCLP-SEMI /OLATILES (SVOA-8270D-GC/MS / PCB MG/KG & SOLIDS

860-93024 Chain of Custody

Temp. C/F-0.1 12 IR ID:HOU-368
Corrected Temp: 11

☐ See Attached

Received Iced Y/N Temp ____

North Park PUD

Released By — Date & Time 2/6 1006

Received By — Date & Time 2/6/25 1006

sco_2023SubcontractOrder rpt 10052023

Page 1 of 1

Login Sample Receipt Checklist

Client: Eastex Environmental Laboratory Inc.

Job Number: 860-93024-1
SDG Number: 020625B

Login Number: 93024
List Number: 1
Creator: Rubio, Yuri

List Source: Eurofins Houston

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

February 27, 2025

MOC Municipal Operations and Consulting
North Park PUD
20141 Schiel Road
Cypress, TX 77433

RE: **North Park Sludge**

Enclosed are the results of analyses for samples received by the laboratory on 02/04/25 14:30, with Lab ID Number 5050341. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Bowen
Chief Operations Officer

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

North Park PUD
20141 Schiel Road
Cypress TX, 77433

LABORATORY ANALYTICAL REPORT

Project: North Park Sludge a
Client Matrix: Waste

Sample Date & Time: 02/04/2025 09:30
Collector: JDT
Sample Type:Grab
Print Date: 2/27/2025

Digester

5050341-01 (Waste)

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed Date & Time	Method	Notes
Metals								
-								
Arsenic	<200	200	mg/Kg dry	A	B5B5593	02/19/2025 13:26	EPA SW 846-6010, 3050	
Cadmium	<200	200	mg/Kg dry	A	B5B5593	02/19/2025 13:26	EPA SW 846-6010, 3050	
Chromium	<200	200	mg/Kg dry	A	B5B5593	02/19/2025 13:26	EPA SW 846-6010, 3050	
Copper	<200	200	mg/Kg dry	A	B5B5593	02/19/2025 13:26	EPA SW 846-6010, 3050	
Lead	<200	200	mg/Kg dry	A	B5B5593	02/19/2025 13:26	EPA SW 846-6010, 3050	
Mercury, Total	<0.400	0.400	mg/Kg dry	A	B5B5595	02/19/2025 15:23	EPA SW 846-7471B	
Molybdenum	<200	200	mg/Kg dry	A	B5B5593	02/19/2025 13:26	EPA SW 846-6010, 3050	
Nickel	<200	200	mg/Kg dry	A	B5B5593	02/19/2025 13:26	EPA SW 846-6010, 3050	
Phosphorus, %	2.22	1.00	% dry	A	B5B5594	02/20/2025 15:27	EPA SW 846-6010, 3050	
Potassium, %	<1000	1000	% dry	A	B5B5593	02/19/2025 13:26	EPA SW 846-6010, 3050	
Selenium	<200	200	mg/Kg dry	A	B5B5593	02/19/2025 13:26	EPA SW 846-6010, 3050	
Zinc	378	200	mg/Kg dry	A	B5B5593	02/19/2025 13:26	EPA SW 846-6010, 3050	
Wet Lab								
-								
NH3N %	<2.00	2.00	% dry	A	B5B5639	02/20/2025 12:17	EPA 350.2	
Nitrate-N, %	0.00900	0.000400	% dry	N	B5B5424	02/25/2025 11:19	SM 4500 NO3 D	
Percent Solid	0.5	0.1	%	A	B5B4254	02/07/2025 17:34	SM 2540G	
pH-Sludge	6.28		std unit	A	B5B3867	02/10/2025 11:45	EPA SW 846-9040	
TKN %	0.617	0.200	% dry	N	B5B4446	02/15/2025 12:35	EPA 351.2	13

The results in this report apply to the samples analyzed in accordance with the chain of custody document.
This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

North Park PUD
20141 Schiel Road
Cypress TX, 77433

EPA SW 846-9040 - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5B3867 - No Prep	**Prepared: 02/10/25 11:45**									
LCS (B5B3867-BS1)				**Analyzed:** 2/10/2025 11:45:00AM						
pH-Sludge	6.915		std unit	6.86		101	0-200			
Duplicate (B5B3867-DUP1)	**Source: 4500010-01**			**Analyzed:** 2/10/2025 11:45:00AM						
pH-Sludge	6.665		std unit		6.67			0.0750	20	
Batch B5B4254 - No Prep	**Prepared: 02/07/25 17:34**									
Blank (B5B4254-BLK1)				**Analyzed:** 2/7/2025 5:34:00PM						
Percent Solid	ND	0.1	%							
Duplicate (B5B4254-DUP1)	**Source: 5050345-01**			**Analyzed:** 2/7/2025 5:34:00PM						
Percent Solid	1.40	0.1	%		1.50			6.90	20	
Batch B5B4446 - SM 4500 Norg C	**Prepared: 02/11/25 16:08**									
Blank (B5B4446-BLK1)				**Analyzed:** 2/15/2025 12:35:00PM						
TKN %	ND	0.00100	% wet							
LCS (B5B4446-BS1)				**Analyzed:** 2/15/2025 12:35:00PM						
TKN %	12.94		mg/L	10.0		129	80-120			13
Matrix Spike (B5B4446-MS1)	**Source: 4500010-01**			**Analyzed:** 2/15/2025 12:35:00PM						
TKN %	0.9862143	0.0714	% dry	0.714	0.2005	110	80-120			13
Matrix Spike Dup (B5B4446-MSD1)	**Source: 4500010-01**			**Analyzed:** 2/15/2025 12:35:00PM						
TKN %	0.9682143	0.0714	% dry	0.714	0.2005	107	80-120	1.84	20	13
Batch B5B5424 - No Prep	**Prepared: 02/25/25 11:19**									
Blank (B5B5424-BLK1)				**Analyzed:** 2/25/2025 11:19:00AM						
Nitrate-N, %	ND	0.00000200	% wet							
LCS (B5B5424-BS1)				**Analyzed:** 2/25/2025 11:19:00AM						
Nitrate-N, %	1.046		mg/L	1.00		105	80-120			
Matrix Spike (B5B5424-MS1)	**Source: 5070864-01**			**Analyzed:** 2/25/2025 11:19:00AM						
Nitrate-N, %	0.2116	0.000250	% dry	0.0125	0.0623375	NR	80-120			23
Matrix Spike Dup (B5B5424-MSD1)	**Source: 5070864-01**			**Analyzed:** 2/25/2025 11:19:00AM						
Nitrate-N, %	0.2190375	0.000250	% dry	0.0125	0.0623375	NR	80-120	3.45	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

North Park PUD
20141 Schiel Road
Cypress TX, 77433

EPA SW 846-6010, 3050 - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5B5593 - SW846-3050	**Prepared: 02/18/25 10:13**									
Blank (B5B5593-BLK1)				**Analyzed:** 2/19/2025 12:55:15PM						
Molybdenum	ND	1.00	mg/Kg wet							
Arsenic	ND	1.00	mg/Kg wet							
Cadmium	ND	1.00	mg/Kg wet							
Chromium	ND	1.00	mg/Kg wet							
Copper	ND	1.00	mg/Kg wet							
Lead	ND	1.00	mg/Kg wet							
Nickel	ND	1.00	mg/Kg wet							
Potassium, %	ND	5.00	% wet							
Selenium	ND	1.00	mg/Kg wet							
Zinc	ND	1.00	mg/Kg wet							
LCS (B5B5593-BS1)				**Analyzed:** 2/19/2025 12:58:41PM						
Molybdenum	2.57	1.00	mg/Kg wet	2.50		103	80-120			
Arsenic	2.38	1.00	mg/Kg wet	2.50		95.2	80-120			
Cadmium	2.4	1.00	mg/Kg wet	2.50		96.4	80-120			
Chromium	2.54	1.00	mg/Kg wet	2.50		102	80-120			
Copper	2.60	1.00	mg/Kg wet	2.50		104	80-120			
Lead	2.42	1.00	mg/Kg wet	2.50		96.8	80-120			
Nickel	2.40	1.00	mg/Kg wet	2.50		96.0	80-120			
Potassium, %	0.0243	5.00	% wet	0.0250		97.2	80-120			
Selenium	2.19	1.00	mg/Kg wet	2.50		87.6	80-120			
Zinc	2.37	1.00	mg/Kg wet	2.50		94.8	80-120			
Matrix Spike (B5B5593-MS1)	**Source: 4500010-01**			**Analyzed:** 2/19/2025 1:09:03PM						
Molybdenum	190.7143	71.4	mg/Kg dry	179	ND	107	75-125			
Arsenic	181	71.4	mg/Kg dry	179	ND	102	75-125			
Cadmium	180	71.4	mg/Kg dry	179	ND	101	75-125			
Chromium	199	71.4	mg/Kg dry	179	11.1	105	75-125			
Copper	448	71.4	mg/Kg dry	179	254	108	75-125			
Lead	185	71.4	mg/Kg dry	179	ND	104	75-125			
Nickel	189	71.4	mg/Kg dry	179	12.8	98.4	75-125			
Potassium, %	2.18	357	% dry	1.79	0.416	98.7	75-125			
Selenium	165	71.4	mg/Kg dry	179	8.00	87.9	75-125			
Zinc	1071.429	71.4	mg/Kg dry	179	871.4286	112	75-125			
Matrix Spike Dup (B5B5593-MSD1)	**Source: 4500010-01**			**Analyzed:** 2/19/2025 1:12:31PM						
Molybdenum	185.7143	71.4	mg/Kg dry	179	ND	104	75-125	2.66	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

North Park PUD
20141 Schiel Road
Cypress TX, 77433

EPA SW 846-6010, 3050 - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5B5593 - SW846-3050	**Prepared: 02/18/25 10:13**									
Matrix Spike Dup (B5B5593-MSD1)	**Source: 4500010-01**			**Analyzed:** 2/19/2025 1:12:31PM						
Arsenic	177	71.4	mg/Kg dry	179	ND	99.2	75-125	2.39	20	
Cadmium	180	71.4	mg/Kg dry	179	ND	98.4	75-125	2.81	20	
Chromium	194	71.4	mg/Kg dry	179	11.1	102	75-125	2.91	20	
Copper	453	71.4	mg/Kg dry	179	254	111	75-125	1.11	20	
Lead	177	71.4	mg/Kg dry	179	ND	99.2	75-125	4.34	20	
Nickel	184	71.4	mg/Kg dry	179	12.8	95.6	75-125	2.69	20	
Potassium, %	2.15	357	% dry	1.79	0.416	97.1	75-125	1.32	20	
Selenium	164	71.4	mg/Kg dry	179	8.00	87.1	75-125	0.870	20	
Zinc	1092.857	71.4	mg/Kg dry	179	871.4286	124	75-125	1.98	20	
Batch B5B5594 - SW846-3050	**Prepared: 02/20/25 15:13**									
Blank (B5B5594-BLK1)				**Analyzed:** 2/20/2025 3:13:35PM						
Phosphorus, %	ND	1.00	% wet							
LCS (B5B5594-BS1)				**Analyzed:** 2/20/2025 3:15:11PM						
Phosphorus, %	0.00294	1.00	% wet	0.00252		117	80-120			
Matrix Spike (B5B5594-MS1)	**Source: 4500010-01**			**Analyzed:** 2/20/2025 3:20:00PM						
Phosphorus, %	1.47	1.00	% dry	0.180	1.28	102	75-125			
Matrix Spike Dup (B5B5594-MSD1)	**Source: 4500010-01**			**Analyzed:** 2/20/2025 3:21:35PM						
Phosphorus, %	1.50	1.00	% dry	0.180	1.28	121	75-125	2.31	20	
Batch B5B5595 - SW 846-7471B	**Prepared: 02/18/25 10:20**									
Blank (B5B5595-BLK1)				**Analyzed:** 2/19/2025 3:00:37PM						
Mercury, Total	ND	0.00200	mg/Kg wet							
LCS (B5B5595-BS1)				**Analyzed:** 2/19/2025 3:03:08PM						
Mercury, Total	0.0259	0.00200	mg/Kg wet	0.0250		104	80-120			
Matrix Spike (B5B5595-MS1)	**Source: 4500010-01**			**Analyzed:** 2/19/2025 3:10:44PM						
Mercury, Total	1.86	0.143	mg/Kg dry	1.79	0.344	84.7	80-120			
Matrix Spike Dup (B5B5595-MSD1)	**Source: 4500010-01**			**Analyzed:** 2/19/2025 3:13:16PM						
Mercury, Total	1.86	0.143	mg/Kg dry	1.79	0.344	85.1	80-120	0.384	20	
Batch B5B5639 - No Prep	**Prepared: 02/20/25 12:17**									

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

North Park PUD
20141 Schiel Road
Cypress TX, 77433

EPA 350.2 - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5B5639 - No Prep	**Prepared: 02/20/25 12:17**									
Blank (B5B5639-BLK1)				**Analyzed:** 2/20/2025 12:17:00PM						
NH3N %	ND	0.0100	% wet							
LCS (B5B5639-BS1)				**Analyzed:** 2/20/2025 12:17:00PM						
NH3N %	2.04		mg/L	2.00		102	80-120			
Matrix Spike (B5B5639-MS1)	**Source: 5050341-01**			**Analyzed:** 2/20/2025 12:17:00PM						
NH3N %	1.83	2.00	% dry	1.50	0.284	103	80-120			
Matrix Spike Dup (B5B5639-MSD1)	**Source: 5050341-01**			**Analyzed:** 2/20/2025 12:17:00PM						
NH3N %	1.81	2.00	% dry	1.50	0.284	102	80-120	0.892	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

North Park PUD
20141 Schiel Road
Cypress TX, 77433

Notes and Definitions

23	Spike recovery outside of acceptance limits due to matrix interference.
13	LCS associated with sample batch outside of acceptance limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

February 13, 2025

MOC Municipal Operations and Consulting
North Park PUD
20141 Schiel Road
Cypress, TX 77433

RE: **North Park Sludge**

Enclosed are the results of analyses for samples received by the laboratory on 02/04/25 14:30, with Lab ID Number 5050342. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Bowen
Chief Operations Officer

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

North Park PUD
20141 Schiel Road
Cypress TX, 77433

Case Narrative

40 CFR 503 Criterion for Fecal Coliform Class B = 2,000,000 MPN/g. for Class A = 1,000 MPN/g
40 CFR 503 Criterion for Vector Class B = <1.5mg/O2/g Solids/hr
*Fecal Coliform result is a geometric mean of seven individual samples.

LABORATORY ANALYTICAL REPORT

Project: North Park Sludge b
Client Matrix: Waste

Sample Date & Time: 02/04/2025 09:30
Collector: JDT
Sample Type:Grab
Print Date: 2/13/2025

Digester

5050342-01 (Waste)

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed Date & Time	Method	Notes
Microbiological Lab								
-								
Fecal Coliform IDEXX	15600	1000	mpn/gram	N	B5B3824	02/04/2025 16:23	Colilert 18	
Vector	2.1	0.1	mg O2/hr/g	N	B5B4467	02/04/2025 17:00	TAC 312.83(b)(4)	
Wet Lab								
-								
Percent Solid	0.5	0.1	%	A	B5B3862	02/07/2025 15:48	SM 2540G	
Volatile Percent Solid	81.6	0.1	%	A	B5B3853	02/08/2025 11:50	EPA 160.4	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

North Park PUD
20141 Schiel Road
Cypress TX, 77433

Colilert 18 - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5B3824 - No Prep Micro	**Prepared: 02/04/25 16:23**									
Blank (B5B3824-BLK1)				**Analyzed:** 2/4/2025 4:23:00PM						
Fecal Coliform IDEXX	ND	1000	mpn/gram							
Duplicate (B5B3824-DUP1)	**Source: 5050342-01**			**Analyzed:** 2/4/2025 4:23:00PM						
Fecal Coliform IDEXX	21481	1000	mpn/gram		15600			31.7	200	
Batch B5B3853 - No Prep	**Prepared: 02/08/25 11:50**									
Blank (B5B3853-BLK1)				**Analyzed:** 2/8/2025 11:50:00AM						
Volatile Percent Solid	ND	0.1	%							
Duplicate (B5B3853-DUP1)	**Source: 5050342-01**			**Analyzed:** 2/8/2025 11:50:00AM						
Volatile Percent Solid	77.5	0.1	%		81.6			5.15	10	
Batch B5B3862 - No Prep	**Prepared: 02/07/25 15:48**									
Blank (B5B3862-BLK1)				**Analyzed:** 2/7/2025 3:48:00PM						
Percent Solid	ND	0.1	%							
Duplicate (B5B3862-DUP1)	**Source: 5050342-01**			**Analyzed:** 2/7/2025 3:48:00PM						
Percent Solid	0.500	0.1	%		0.500			0.00	20	
Batch B5B4467 - No Prep Micro	**Prepared: 02/04/25 17:00**									
Blank (B5B4467-BLK1)				**Analyzed:** 2/4/2025 5:00:00PM						
Vector	ND	0.1	mg O2/hr/g							
Duplicate (B5B4467-DUP1)	**Source: 5050342-01**			**Analyzed:** 2/4/2025 5:00:00PM						
Vector	2.39	0.1	mg O2/hr/g		2.13			11.5	200	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

North Park PUD
20141 Schiel Road
Cypress TX, 77433

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX ENVIRONMENTAL LABORATORY, INC.

P.O. Box 1089 * Coldspring, TX 77331
(936) 653-3249 * (800) 525-0508
P.O. Box 631375 * Nacogdoches, TX 75963-1375
(936) 569-8879 * FAX (936) 569-8951
www.eastexlabs.com

White Copy-Follows Samples
Yellow Copy-Laboratory
Pink Copy-Client Copy

REPORT TO:

Company: MOC
Address:
Attn:
Phone#:
Email:
P.O. #:
Sampler's Name (print): JAMES TUCKER
Sampler's Signature: James Tucker
Project Name: North Park

INVOICE TO:

Company:
Address: SAME
Attn:
Phone#:

Remarks:

INSTRUCTIONS:

C or G: C= Composite G= Grab
Matrix: DW=Drinking Water WW=Wastewater SO=Soil/Sludge OT= Other
Container Size: 1=Gallon 2=1/2 Gallon 3=Quart/Liter 4=500mL 5=250mL 6=125mL (4oz) 7=60mL (2 oz) 8= 40mL Vial 9=Other
Type: P= Plastic G= Glass T= Teflon S= Sterile
Preservatives: C=Chilled S=Sulfuric Acid N=Nitric Acid B=Base/Caustic Z= Zn Acetate ST=Sodium Thiosulfate H=HCL O= Other

Work Order ID	Sample ID	Date	Time	Matrix	Field Data: C or G	DO	pH	Cl2	Flow	Temp	Containers: #	Size	Type	Pres	ANALYSIS REQUESTED: TCLP PCB	Antimony, Barium	Mercury, Arsenic	NH3 & solid	% solid volatile &	Fecal coliform
5050343	Digester	2/4	930	SO	G						4	3	G	C	✓					
0343	Digester	2/4	930	SO	G						1	4	P	C		✓				
5050341	Digester	2/4	930	SO	G						1	3	P	C			✓			
0341	Digester	2/4	930	SO	G						2	5	P	C				✓		
5050342	Digester	2/4	930	SO	G						1	5	P	C					✓	
0342	Digester	2/4	930	SO	G						7	6	5	CST						✓

Relinquished By: | Received By: | Date | Time | Received Iced: YES / NO

Relinquished By: | Received By: | Date | Time | Received Iced: YES / NO

Relinquished By: James Tucker | Received By and/or Checked in By: Darcy | Date 2-4-25 | Time 1430 | Received Iced: YES / NO

LAB USE ONLY

Sample Condition Acceptable: YES / NO
Alternate Check In: Date Time

Temp °C: 2.1 | *Therm ID: 15 | Logged In By: CT | Date 2-4-25 | Time 1542

*Thermometer has 0.0 factor and recorded temperature is actual temperature

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

March 18, 2025

MOC Municipal Operations and Consulting
North Park PUD
20141 Schiel Road
Cypress, TX 77433

RE: **North Park Sludge**

Enclosed are the results of analyses for samples received by the laboratory on 03/04/25 13:43, with Lab ID Number 5101370. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Bowen
Chief Operations Officer

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

North Park PUD
20141 Schiel Road
Cypress TX, 77433

LABORATORY ANALYTICAL REPORT

Project: North Park Sludge d
Client Matrix: Waste

Sample Date & Time: 03/04/2025 09:30
Collector: JDT
Sample Type:Grab
Print Date: 3/18/2025

Digester

5101370-01 (Waste)

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed Date & Time	Method	Notes
Microbiological Lab								
- Vector	0.3	0.1	mg O2/hr/g	N	B5C4823	03/04/2025 15:00	TAC 312.83(b)(4)	
Wet Lab								
- Percent Solid	1.0	0.1	%	A	B5C4165	03/07/2025 15:55	SM 2540G	

The results in this report apply to the samples analyzed in accordance with the chain of custody document.
This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

North Park PUD
20141 Schiel Road
Cypress TX, 77433

SM 2540G - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5C4165 - No Prep	**Prepared: 03/07/25 15:55**									
Blank (B5C4165-BLK1)				**Analyzed:** 3/7/2025 3:55:00PM						
Percent Solid	ND	0.1	%							
Duplicate (B5C4165-DUP1)	**Source: 5101017-01**			**Analyzed:** 3/7/2025 3:55:00PM						
Percent Solid	1.10	0.1	%		1.20			8.70	20	
Batch B5C4823 - No Prep Micro	**Prepared: 03/04/25 15:00**									
Blank (B5C4823-BLK1)				**Analyzed:** 3/4/2025 3:00:00PM						
Vector	ND	0.1	mg O2/hr/g							
Duplicate (B5C4823-DUP1)	**Source: 5101370-01**			**Analyzed:** 3/4/2025 3:00:00PM						
Vector	0.320	0.1	mg O2/hr/g		0.320			0.00	200	

The results in this report apply to the samples analyzed in accordance with the chain of custody document.
This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

North Park PUD
20141 Schiel Road
Cypress TX, 77433

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX ENVIRONMENTAL LABORATORY, INC.

P.O. Box 1089 * Coldspring, TX 77331 (936) 653-3249 * (800) 525-0508
P.O. Box 631375 * Nacogdoches, TX 75963-1375 (936) 569-8879 * FAX (936) 569-8951
www.eastexlabs.com

White Copy-Follows Samples
Yellow Copy-Laboratory
Pink Copy-Client Copy

REPORT TO:

Company: MDC
Address:
Attn:
Phone#:
Email:
P.O. #:
Sampler's Name (print): James Tucker
Sampler's Signature: James Tucker
Project Name: North Park

INVOICE TO:

Company:
Address: SAME
Attn:
Phone#:

Remarks:

INSTRUCTIONS:

C or G: C= Composite G= Grab
Matrix: DW=Drinking Water WW=Wastewater SO=Soil/Sludge OT= Other
Container Size: 1=Gallon 2=1/2 Gallon 3=Quart/Liter 4=500mL 5=250mL 6=125mL (4oz) 7=60mL (2 oz) 8= 40mL Vial 9=Other
Type: P= Plastic G= Glass T= Teflon S= Sterile
Preservatives: C=Chilled S=Sulfuric Acid N=Nitric Acid B=Base/Caustic Z= Zn Acetate ST=Sodium Thiosulfate H=HCL O= Other

ANALYSIS REQUESTED

Fecal Vector
2 solid

			Field Data								Containers													
Work Order ID	Sample ID	Date	Time	Matrix	C or G	DO	pH	Cl2	Flow	Temp	#	Size	Type	Pres										
5101370	Dig	3/4	930	SO	G						7	6	S	CST	✓									
	Dig	3/4	930	SO	G						1	5	P	C		✓								

Relinquished By: Received By: Date Time Received Iced: YES / NO
Relinquished By: Received By: Date Time Received Iced: YES / NO
Relinquished By: James Tucker Received By and/or Checked in By: Robin Ortega Date 3-4-25 Time 1343 Received Iced: (YES) / NO

LAB USE ONLY Sample Condition Acceptable: (YES) / NO Temp °C 1.5 *Therm ID 15 Logged In By: CT Date 3/4/25 Time 1438
Alternate Check In: Date Time

*Thermometer has 0.0 factor and recorded temperature is actual temperature

NorthWest Harris County
21,22,23 WWTP

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

April 17, 2024

LABORATORY REPORT

Natalia Espitia
H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Report ID: 20240417160330Sta..

RE: MUD 21, 22, 23 - Non Potable - Class B Annual

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,

Stations For Deena Higginbotham
Director of Client Services

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

H2O Innovation_Spring	Project: MUD 21, 22, 23 - Non Potable - Class B Annual	
P.O. Box 2718	Project Number: 37	**Reported:**
Spring, TX 77383	Project Manager: Natalia Espitia	04/17/2024 16:03

Sample Results

Client Sample ID: Digester 3
Lab Sample ID: 24D3619-01

Sample Matrix: Solid
Date Collected: 04/15/2024 8:30
Collected by: Tyler Henderson

Method	Analyte	Result	Q	Units	Batch	Date Analyzed	Analyst
Colilert-18	Fecal coliforms	1110	U	MPN/g TS dry	BHD2618	04/16/2024 10:35	JKB
Colilert-18	Fecal coliforms	1110	U	MPN/g TS dry	BHD2618	04/16/2024 10:35	JKB
Colilert-18	Fecal coliforms	1110	U	MPN/g TS dry	BHD2618	04/16/2024 10:35	JKB
Colilert-18	Fecal coliforms	<1110	U	MPN/g TS dry	BHD2618	04/16/2024 10:35	JKB
Colilert-18	Fecal coliforms	<1110	U	MPN/g TS dry	BHD2618	04/16/2024 10:35	JKB
Colilert-18	Fecal coliforms	3440		MPN/g TS dry	BHD2618	04/16/2024 10:35	JKB
Colilert-18	Fecal coliforms	<1110	U	MPN/g TS dry	BHD2618	04/16/2024 10:35	JKB
SM 2710 B	Specific Oxygen Uptake Rate (SOUR)	0.0367		mg O2/hr/g TS @ 20°C dry	BHD2658	04/15/2024 14:16	AKA
SM 2550 B	Temperature °C Field	24.7		°C	BHD2729	04/15/2024 08:30	TWH
SM 2540 G	% Solids	0.901		%	BHD2650	04/16/2024 09:01	JRU

The total solids is diluted to <=2.0% for the S.O.U.R. test when necessary.

CLASS B - Pass

Per Title 30, Texas Administrative Code, Chapter 312, for a Class B to pass, the fecal coliform geometric mean must be less than or equal to 2,000,000 CFU/ug TS and the S.O.U.R must be less than or equal to 1.5 mg O2/hr/g TS.

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

H2O Innovation_Spring	Project: MUD 21, 22, 23 - Non Potable - Class B Annual	
P.O. Box 2718	Project Number: 37	**Reported:**
Spring, TX 77383	Project Manager: Natalia Espitia	04/17/2024 16:03

Quality Control

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD2650 - Percent Solids										
Blank (BHD2650-BLK1)					Prepared: 4/15/2024 Analyzed: 4/16/2024					
% Solids	<0.100	U	0.100	%						
Duplicate (BHD2650-DUP1)			**Source: 24D3758-03**		Prepared: 4/15/2024 Analyzed: 4/16/2024					
% Solids			0.100	%		1.13			0.374	20
Reference (BHD2650-SRM1)					Prepared: 4/15/2024 Analyzed: 4/16/2024					
% Solids			0.100	%	0.350		115	78.9-118		

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

H2O Innovation_Spring	Project: MUD 21, 22, 23 - Non Potable - Class B Annual	
P.O. Box 2718	Project Number: 37	**Reported:**
Spring, TX 77383	Project Manager: Natalia Espitia	04/17/2024 16:03

Quality Control
(Continued)

Microbiology

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD2618 - FC Quantitray										
Blank (BHD2618-BLK1)					Prepared: 4/15/2024 Analyzed: 4/16/2024					
Fecal coliforms	<10.0	U	10.0	MPN/g TS wet						
Duplicate (BHD2618-DUP1)			**Source: 24D3619-01**		Prepared: 4/15/2024 Analyzed: 4/16/2024					
Fecal coliforms	<1110	U	1110	MPN/g TS dry		1110			200	200

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

H2O Innovation_Spring	Project: MUD 21, 22, 23 - Non Potable - Class B Annual	
P.O. Box 2718	Project Number: 37	**Reported:**
Spring, TX 77383	Project Manager: Natalia Espitia	04/17/2024 16:03

Term and Qualfier Definitions

Item	Definition
U	Non-detected compound.
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated

CHAIN OF CUSTODY RECORD

NWDLS North Water District Laboratory Services, Inc.
North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00086

24D3619

Lab PM : Deena Higginbotham	**Project Name** : MUD 21, 22, 23 - Non Potable - Class B Annual	**Schedule Comments**:
H2O Innovation_Spring Natalia Espitia P.O. Box 2718 Spring, TX 77383 Phone: 281-353-9809	**Project Comments**: 4103 East Peachfield Lane V. 832-458-9144	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24D3619-01	Digester 3		4/15/2024 08:30	S Grab	A HDPE S150mL Na2S2O3 B HDPE S150mL Na2S2O3 C HDPE S150mL Na2S2O3 D HDPE S150mL Na2S2O3 E HDPE S150mL Na2S2O3 F HDPE S150mL Na2S2O3 G HDPE S150mL Na2S2O3 H HDPE 1L I HDPE 250mL	FC/CB-QT-LR SOUR-2710 SOUR TS-2540 G TS-2540 G	Na2S2O3 <10°C 4°C 4°C 4°C	Temp C Field 24.7

Field Remarks:

Lab Preservation: (Circle and Write ID Below) H2SO4 HNO3 NaOH Other: _____

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Tyler Henderson	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time: 4-15-24/10:45	Received for Laboratory By: (Signature): YMC	Date/Time: 1045 4.15.24

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: _____ °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID: _____

North West

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com

June 05, 2024

Laboratory Report

Natalia Espitia
H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Report ID: 20240605152401Sta..

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,

Stations For Deena Higginbotham
Director of Client Services

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Sample Results

Client Sample ID: Digester 3
Lab Sample ID: 24D3621-01
MUD 21, 22, 23 - Sewage Sludge Annual 37

Sample Matrix: Solid
Date Collected: 04/15/2024 8:30
Collected by: Tyler Henderson

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Organics by GC											
SW-8082	PCBs, Total	A	<643	U	ug/kg dry	10	18.3	643	BHD3838	05/14/2024 03:34	CDG
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*67.1%*		*60-140*					*05/14/2024 03:34*	
SW-8082	*Surrogate: Decachlorobiphenyl-surr*		*85.0%*		*60-140*					*05/14/2024 03:34*	
Metals, Total											
SW-6010C	Arsenic	A	<3.69	U	mg/kg dry	1	0.811	3.69	BHE2798	05/30/2024 10:40	TBB
SW-6010C	Cadmium	A	<0.369	U	mg/kg dry	1	0.0959	0.369	BHE2798	05/30/2024 10:40	TBB
SW-6010C	Chromium	A	4.02		mg/kg dry	1	1.39	1.85	BHE2798	05/30/2024 10:40	TBB
SW-6010C	Copper	A	57.4		mg/kg dry	1	0.395	3.69	BHE2798	05/30/2024 10:40	TBB
SW-7471B	Mercury	A	0.534		mg/kg dry	1	0.0222	0.0443	BHD3971	04/30/2024 15:48	ISS
SW-6010C	Lead	A	2.98		mg/kg dry	1	0.942	1.85	BHE2798	05/30/2024 10:40	TBB
SW-6010C	Molybdenum	A	1.94		mg/kg dry	1	1.85	1.85	BHE2798	05/30/2024 10:40	TBB
SW-6010C	Nickel	A	5.15		mg/kg dry	1	0.499	1.85	BHE2798	05/30/2024 10:40	TBB
SW-6010C	Potassium	A	6110		mg/kg dry	1	31.7	369	BHE2798	05/30/2024 10:40	TBB
SW-6010C	Selenium	A	<3.69	U	mg/kg dry	1	1.44	3.69	BHE2798	05/30/2024 10:40	TBB
SW-6010C	Total Phosphorus	A	11200		mg/kg dry	1	15.5	369	BHE2798	05/30/2024 10:40	TBB
SW-6010C	Zinc	A	634		mg/kg dry	10	18.5	18.5	BHE2798	05/30/2024 12:44	TBB
General Chemistry											
EPA 350.2	Ammonia as N	A	3520		mg/kg dry	1	1100	2210	BHD3759	04/22/2024 09:00	GIW
SW-9056A	Nitrate as N	A	19900		mg/kg dry	25	139	347	BHD2740	04/16/2024 12:06	ORP
EPA 351.3	Total Kjeldahl Nitrogen - (TKN)	N	53400		mg/kg dry	1	2690	2690	BHD2820	04/17/2024 12:29	GIW
SM 2540 G	% Solids	A	0.901		%	1	0.100	0.100	BHD2650	04/16/2024 09:01	JRU
TCLP											
SW-6010C	Arsenic	A	<5.00	U	mg/L	1	0.00367	5.00	BHD4565	05/10/2024 17:07	AKR
SW-6010C	Barium	A	<100	U	mg/L	5	0.00625	100	BHD4565	05/10/2024 17:45	AKR
SW-6010C	Cadmium	A	<1.00	U	mg/L	1	0.000423	1.00	BHD4565	05/10/2024 17:07	AKR
SW-6010C	Chromium	A	<5.00	U	mg/L	1	0.00131	5.00	BHD4565	05/13/2024 18:05	AKR
SW-8151	2,4-D	A	<10.0	C+, U	mg/L	2	0.000476	10.0	BHD4488	06/04/2024 20:01	KRB
SW-8151	Silvex (2,4,5-TP)	A	<1.00	C+, U	mg/L	2	0.000476	1.00	BHD4488	06/04/2024 20:01	KRB
SW-8151	*Surrogate: DCAA-surr*		*124%*		*70-130*					*06/04/2024 20:01*	
SW-7471B	Mercury	A	<0.200	U	mg/L	1	0.000200	0.200	BHD4468	04/26/2024 16:12	ISS
SW-6010C	Lead	A	<5.00	U	mg/L	1	0.00341	5.00	BHD4565	05/10/2024 17:07	AKR
SW-8081	Chlordane (Total)	A	<0.0300	U	mg/L	1	3.00E-6	0.0300	BHD4674	05/17/2024 18:29	KRB
SW-8081	Endrin	N	<0.0200	U	mg/L	1	3.00E-6	0.0200	BHD4674	05/17/2024 18:29	KRB

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Sample Results
(Continued)

Client Sample ID: Digester 3 (Continued)
Lab Sample ID: 24D3621-01
MUD 21, 22, 23 - Sewage Sludge Annual 37

Sample Matrix: Solid
Date Collected: 04/15/2024 8:30
Collected by: Tyler Henderson

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	A	<0.400	U	mg/L	1	3.00E-6	0.400	BHD4674	05/17/2024 18:29	KRB
SW-8081	Heptachlor	A	<0.00800	U	mg/L	1	3.00E-6	0.00800	BHD4674	05/17/2024 18:29	KRB
SW-8081	Heptachlor epoxide	A	<0.00800	U	mg/L	1	3.00E-6	0.00800	BHD4674	05/17/2024 18:29	KRB
SW-8081	Methoxychlor	A	<10.0	U	mg/L	1	3.00E-6	10.0	BHD4674	05/17/2024 18:29	KRB
SW-8081	Toxaphene (Chlorinated Camphene)	A	<0.500	U	mg/L	1	3.00E-6	0.500	BHD4674	05/17/2024 18:29	KRB
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*73.9%*		*60-140*					*05/17/2024 18:29*	
SW-8081	*Surrogate: Decachlorobiphenyl-surr*		*119%*		*60-140*					*05/17/2024 18:29*	
SW-6010C	Selenium	A	<1.00	U	mg/L	1	0.00531	1.00	BHD4565	05/10/2024 17:07	AKR
SW-6010C	Silver	A	<5.00	U	mg/L	1	0.00142	5.00	BHD4565	05/29/2024 11:55	TBB
SW-8270	2,4,5-Trichlorophenol	A	<400	U	mg/L	1	0.00250	400	BHD4477	05/14/2024 14:03	KRB
SW-8270	2,4,6-Trichlorophenol	A	<2.00	U	mg/L	1	0.00250	2.00	BHD4477	05/14/2024 14:03	KRB
SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	U	mg/L	1	0.00250	0.130	BHD4477	05/14/2024 14:03	KRB
SW-8270	2-Methylphenol	A	<200	U	mg/L	1	0.00250	200	BHD4477	05/14/2024 14:03	KRB
SW-8270	3,4-Methylphenol	A	<200	U	mg/L	1	0.00250	200	BHD4477	05/14/2024 14:03	KRB
SW-8270	Hexachlorobenzene	A	<0.130	U	mg/L	1	0.00250	0.130	BHD4477	05/14/2024 14:03	KRB
SW-8270	Hexachlorobutadiene	A	<0.500	U	mg/L	1	0.00250	0.500	BHD4477	05/14/2024 14:03	KRB
SW-8270	Hexachloroethane	A	<3.00	U	mg/L	1	0.00250	3.00	BHD4477	05/14/2024 14:03	KRB
SW-8270	Nitrobenzene	A	<2.00	U	mg/L	1	0.00250	2.00	BHD4477	05/14/2024 14:03	KRB
SW-8270	Pentachlorophenol	A	<100	U	mg/L	1	0.00250	100	BHD4477	05/14/2024 14:03	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*		*108%*		*54.6-148*					*05/14/2024 14:03*	
SW-8270	*Surrogate: 2-Fluorophenol-surr*		*102%*		*55-152*					*05/14/2024 14:03*	
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*		*117%*		*52.4-136*					*05/14/2024 14:03*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr*		*141%*		*52-162*					*05/14/2024 14:03*	
SW-8270	*Surrogate: Phenol-d5-surr*		*142%*		*58.7-152*					*05/14/2024 14:03*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr*		*99.5%*		*51.9-147*					*05/14/2024 14:03*	
SW-8260	1,1-Dichloroethylene	A	<0.700	U	mg/L	10	0.00849	0.700	BHD4002	04/23/2024 19:05	EM
SW-8260	1,2-Dichloroethane (Ethylene dichloride)	A	<0.500	U	mg/L	10	0.00870	0.500	BHD4002	04/23/2024 19:05	EM
SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<7.50	U	mg/L	10	0.00641	7.50	BHD4002	04/23/2024 19:05	EM
SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	A	<200	U	mg/L	10	0.0738	200	BHD4002	04/23/2024 19:05	EM
SW-8260	Benzene	A	<0.500	U	mg/L	10	0.00604	0.500	BHD4002	04/23/2024 19:05	EM
SW-8260	Carbon tetrachloride	A	<0.500	U	mg/L	10	0.00500	0.500	BHD4002	04/23/2024 19:05	EM
SW-8260	Chlorobenzene	A	<100	U	mg/L	10	0.00724	100	BHD4002	04/23/2024 19:05	EM
SW-8260	Chloroform	A	<6.00	B, U	mg/L	10	0.00688	6.00	BHD4002	04/23/2024 19:05	EM
SW-8260	Tetrachloroethylene (Perchloroethylene)	A	<0.700	U	mg/L	10	0.00703	0.700	BHD4002	04/23/2024 19:05	EM

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Sample Results
(Continued)

Client Sample ID: Digester 3 (Continued)
Lab Sample ID: 24D3621-01
MUD 21, 22, 23 - Sewage Sludge Annual 37

Sample Matrix: Solid
Date Collected: 04/15/2024 8:30
Collected by: Tyler Henderson

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8260	Trichloroethene (Trichloroethylene)	A	<0.500	U	mg/L	10	0.00744	0.500	BHD4002	04/23/2024 19:05	EM
SW-8260	Vinyl chloride (Chloroethene)	A	<0.200	U	mg/L	10	0.0130	0.200	BHD4002	04/23/2024 19:05	EM
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*		*97.7%*		*70-130*					*04/23/2024 19:05*	
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*		*97.2%*		*70-130*					*04/23/2024 19:05*	
SW-8260	*Surrogate: Toluene-d8-surr*		*95.9%*		*70-130*					*04/23/2024 19:05*	
SW-8260	*Surrogate: Dibromofluoromethane-surr*		*98.4%*		*70-130*					*04/23/2024 19:05*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Sample Results
(Continued)

Client Sample ID: Digester 3
Lab Sample ID: 24D3621-01RE1
MUD 21, 22, 23 - Sewage Sludge Annual 37

Sample Matrix: Solid
Date Collected: 04/15/2024 8:30
Collected by: Tyler Henderson

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP											
SW-8270	Pyridine (Rerun)	A	<5.00	U	mg/L	1	0.00250	5.00	BHD4477	05/16/2024 11:23	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr (Rerun)*		*110%*		*54.6-148*					*05/16/2024 11:23*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr (Rerun)*		*127%*		*52-162*					*05/16/2024 11:23*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr (Rerun)*		*112%*		*51.9-147*					*05/16/2024 11:23*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD3838 - SW-3570										
MB PCB SLUDGE (BHD3838-BLK1)				Prepared: 4/22/2024 Analyzed: 5/14/2024						
PCBs, Total	<6.00	U	6.00	ug/kg wet						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*4.11*	*ug/kg wet*	*6.00*		*68.5*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*4.91*	*ug/kg wet*	*6.00*		*81.8*	*60-140*		
BS PCB SLUDGE (BHD3838-BS1)				Prepared: 4/22/2024 Analyzed: 5/14/2024						
Aroclor-1016 (PCB-1016)	45.7		5.96	ug/kg wet	59.6		76.6	60-140		
Aroclor-1260 (PCB-1260)	44.5		5.96	ug/kg wet	59.6		74.6	60-140		
PCBs, Total	45.1		5.96	ug/kg wet	59.6		75.6	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*3.47*	*ug/kg wet*	*5.96*		*58.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*4.56*	*ug/kg wet*	*5.96*		*76.4*	*60-140*		
BSD PCB SLUDGE (BHD3838-BSD1)				Prepared: 4/22/2024 Analyzed: 5/14/2024						
Aroclor-1016 (PCB-1016)	51.9		5.95	ug/kg wet	59.5		87.3	60-140	12.7	40
Aroclor-1260 (PCB-1260)	49.4		5.95	ug/kg wet	59.5		83.1	60-140	10.6	40
PCBs, Total	50.7		5.95	ug/kg wet	59.5		85.2	60-140	11.6	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*4.26*	*ug/kg wet*	*5.95*		*71.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.10*	*ug/kg wet*	*5.95*		*85.7*	*60-140*		
24D3310-01 MS (BHD3838-MS1)		**Source: 24D3310-01**		Prepared: 4/22/2024 Analyzed: 5/14/2024						
Aroclor-1016 (PCB-1016)	2530		316	ug/kg dry	3160	<316	80.1	60-140		
Aroclor-1260 (PCB-1260)	2360		316	ug/kg dry	3160	<316	74.7	60-140		
PCBs, Total	2530		316	ug/kg dry	3160	<316	80.0	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*227*	*ug/kg dry*	*316*		*72.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*250*	*ug/kg dry*	*316*		*79.2*	*60-140*		
24D3310-01 MSD (BHD3838-MSD1)		**Source: 24D3310-01**		Prepared: 4/22/2024 Analyzed: 5/14/2024						
Aroclor-1016 (PCB-1016)	2540		313	ug/kg dry	3130	<313	80.9	60-140	0.0951	40
Aroclor-1260 (PCB-1260)	2480		313	ug/kg dry	3130	<313	79.2	60-140	4.99	40
PCBs, Total	2510		313	ug/kg dry	3130	<313	80.1	60-140	0.786	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*221*	*ug/kg dry*	*313*		*70.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*259*	*ug/kg dry*	*313*		*82.8*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD3971 - SW-7471										
MDL Check (BHD3971-MRL1)					Prepared & Analyzed: 4/30/2024					
Mercury	0.00856	U	0.0198	mg/kg wet	0.00990		86.5			
Matrix Spike (BHD3971-MS1)		**Source: 24D3585-01**			Prepared & Analyzed: 4/30/2024					
Mercury	0.280		0.0196	mg/kg dry	0.245	0.0208	106	80-120		
Matrix Spike Dup (BHD3971-MSD1)		**Source: 24D3585-01**			Prepared & Analyzed: 4/30/2024					
Mercury	0.290		0.0194	mg/kg dry	0.243	0.0208	111	80-120	3.40	20
Batch: BHE2798 - SW-3050 for 6010										
Blank (BHE2798-BLK1)					Prepared: 5/16/2024 Analyzed: 5/30/2024					
Arsenic	<0.0333	U	0.0333	mg/kg wet						
Cadmium	<0.00333	U	0.00333	mg/kg wet						
Chromium	<0.0167	U	0.0167	mg/kg wet						
Copper	<0.0333	U	0.0333	mg/kg wet						
Lead	<0.0167	U	0.0167	mg/kg wet						
Molybdenum	<0.0167	U	0.0167	mg/kg wet						
Nickel	<0.0167	U	0.0167	mg/kg wet						
Potassium	<3.33	U	3.33	mg/kg wet						
Selenium	<0.0333	U	0.0333	mg/kg wet						
Total Phosphorus	<3.33	U	3.33	mg/kg wet						
Zinc	<0.0167	U	0.0167	mg/kg wet						
LCS (BHE2798-BS1)					Prepared: 5/16/2024 Analyzed: 5/30/2024					
Arsenic	0.813		0.0333	mg/kg wet	0.833		97.5	80-120		
Cadmium	0.0811		0.00333	mg/kg wet	0.0833		97.3	80-120		
Chromium	0.400		0.0167	mg/kg wet	0.417		96.0	80-120		
Copper	0.805		0.0333	mg/kg wet	0.833		96.6	80-120		
Lead	0.406		0.0167	mg/kg wet	0.417		97.3	80-120		
Molybdenum	0.398		0.0167	mg/kg wet	0.417		95.6	80-120		
Nickel	0.398		0.0167	mg/kg wet	0.417		95.4	80-120		
Potassium	80.5		3.33	mg/kg wet	83.3		96.6	80-120		
Selenium	0.819		0.0333	mg/kg wet	0.833		98.3	80-120		
Total Phosphorus	81.5		3.33	mg/kg wet	83.3		97.8	80-120		
Zinc	0.400		0.0167	mg/kg wet	0.417		95.9	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE2798 - SW-3050 for 6010 (Continued)										
Matrix Spike (BHE2798-MS1)	**Source: 24E3334-01**			Prepared: 5/16/2024 Analyzed: 5/30/2024						
Arsenic	45.4		1.74	mg/kg dry	43.6	3.85	95.3	75-125		
Cadmium	4.73		0.174	mg/kg dry	4.36	0.405	99.1	75-125		
Chromium	33.5		0.874	mg/kg dry	21.8	7.19	121	75-125		
Copper	848		87.2	mg/kg dry	916	53.1	86.7	75-125		
Lead	40.4	J1	0.874	mg/kg dry	21.8	11.4	133	75-125		
Molybdenum	22.1		0.874	mg/kg dry	21.8	1.66	93.7	75-125		
Nickel	27.0		0.874	mg/kg dry	21.8	4.52	103	75-125		
Potassium	7420		174	mg/kg dry	4360	2200	120	75-125		
Selenium	44.1		1.74	mg/kg dry	43.6	1.58	97.5	75-125		
Total Phosphorus	16300	J1	8720	mg/kg dry	8730	5120	129	75-125		
Zinc	1380		43.7	mg/kg dry	895	394	110	75-125		
Matrix Spike (BHE2798-MS2)	**Source: 24E2136-01**			Prepared: 5/16/2024 Analyzed: 5/30/2024						
Arsenic	52.1		2.34	mg/kg dry	58.5	7.12	76.8	75-125		
Cadmium	5.69		0.234	mg/kg dry	5.85	0.712	85.1	75-125		
Chromium	30.6	J1	1.17	mg/kg dry	29.3	11.6	64.9	75-125		
Copper	1510		117	mg/kg dry	1230	309	97.5	75-125		
Lead	33.0		1.17	mg/kg dry	29.3	8.43	84.1	75-125		
Molybdenum	26.9	J1	1.17	mg/kg dry	29.3	5.90	71.7	75-125		
Nickel	30.2	J1	1.17	mg/kg dry	29.3	11.1	65.1	75-125		
Potassium	8560		234	mg/kg dry	5850	3510	86.4	75-125		
Selenium	56.4		2.34	mg/kg dry	58.5	6.56	85.2	75-125		
Total Phosphorus	25200		11700	mg/kg dry	11700	11300	119	75-125		
Zinc	2020		58.6	mg/kg dry	1200	787	103	75-125		
Matrix Spike Dup (BHE2798-MSD1)	**Source: 24E3334-01**			Prepared: 5/16/2024 Analyzed: 5/30/2024						
Arsenic	50.5		1.93	mg/kg dry	48.3	3.85	96.6	75-125	10.5	20
Cadmium	5.12		0.193	mg/kg dry	4.83	0.405	97.5	75-125	7.91	20
Chromium	35.8		0.968	mg/kg dry	24.2	7.19	118	75-125	6.44	20
Copper	1030		96.5	mg/kg dry	1010	53.1	96.2	75-125	19.3	20
Lead	44.0	J1	0.968	mg/kg dry	24.2	11.4	135	75-125	8.62	20
Molybdenum	24.7		0.968	mg/kg dry	24.2	1.66	95.2	75-125	10.9	20
Nickel	29.9		0.968	mg/kg dry	24.2	4.52	105	75-125	10.1	20
Potassium	8440	J1	193	mg/kg dry	4830	2200	129	75-125	12.8	20
Selenium	49.3		1.93	mg/kg dry	48.3	1.58	98.9	75-125	11.2	20
Total Phosphorus	19600	J1	9650	mg/kg dry	9660	5120	150	75-125	18.0	20
Zinc	1640	J1	48.4	mg/kg dry	990	394	126	75-125	17.3	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE2798 - SW-3050 for 6010 (Continued)										
Matrix Spike Dup (BHE2798-MSD2)		**Source: 24E2136-01**			Prepared: 5/16/2024 Analyzed: 5/30/2024					
Arsenic	56.8		2.34	mg/kg dry	58.6	7.12	84.8	75-125	8.67	20
Cadmium	6.01		0.234	mg/kg dry	5.86	0.712	90.4	75-125	5.36	20
Chromium	34.8		1.17	mg/kg dry	29.3	11.6	79.2	75-125	12.8	20
Copper	1380		117	mg/kg dry	1230	309	87.3	75-125	8.59	20
Lead	33.6		1.17	mg/kg dry	29.3	8.43	85.8	75-125	1.53	20
Molybdenum	29.8		1.17	mg/kg dry	29.3	5.90	81.5	75-125	10.1	20
Nickel	34.0		1.17	mg/kg dry	29.3	11.1	78.2	75-125	12.0	20
Potassium	8960		234	mg/kg dry	5860	3510	93.1	75-125	4.56	20
Selenium	61.5		2.34	mg/kg dry	58.6	6.56	93.9	75-125	8.71	20
Total Phosphorus	23200		11700	mg/kg dry	11700	11300	101	75-125	8.28	20
Zinc	1870		58.7	mg/kg dry	1200	787	90.6	75-125	7.62	20
Post Spike (BHE2798-PS1)		**Source: 24E3334-01**			Prepared: 5/16/2024 Analyzed: 5/30/2024					
Arsenic	499			ug/L	500	39.4	92.0	80-120		
Cadmium	51.2			ug/L	50.0	4.15	94.1	80-120		
Chromium	314			ug/L	250	73.6	96.4	80-120		
Copper	1090			ug/L	500	544	110	80-120		
Lead	358			ug/L	250	117	96.4	80-120		
Molybdenum	256			ug/L	250	17.0	95.5	80-120		
Nickel	280			ug/L	250	46.3	93.4	80-120		
Potassium	75300			ug/L	50000	22500	106	80-120		
Selenium	502			ug/L	500	16.1	97.1	80-120		
Total Phosphorus	108000			ug/L	50000	52300	112	80-120		
Zinc	4190	J1		ug/L	250	4030	62.6	80-120		
Post Spike (BHE2798-PS2)		**Source: 24E2136-01**			Prepared: 5/16/2024 Analyzed: 5/30/2024					
Arsenic	555			ug/L	500	57.4	99.6	80-120		
Cadmium	56.3			ug/L	50.0	5.74	101	80-120		
Chromium	351			ug/L	250	93.7	103	80-120		
Copper	3080			ug/L	500	2490	117	80-120		
Lead	320			ug/L	250	68.0	101	80-120		
Molybdenum	299			ug/L	250	47.6	101	80-120		
Nickel	341			ug/L	250	89.6	101	80-120		
Potassium	81300			ug/L	50000	28300	106	80-120		
Selenium	582			ug/L	500	52.9	106	80-120		
Total Phosphorus	154000	J1		ug/L	50000	91000	126	80-120		
Zinc	6390	J1		ug/L	250	6340	17.1	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE2798 - SW-3050 for 6010 (Continued)										
Dilution Check (BHE2798-SRL1)			**Source: 24E3334-01**		Prepared: 5/16/2024 Analyzed: 5/30/2024					
Arsenic	5.92	U	9.01	mg/kg dry		3.85			42.4	10
Cadmium	0.388	U	0.901	mg/kg dry		0.405			4.39	10
Chromium	6.65		4.52	mg/kg dry		7.19			7.81	10
Copper	49.1		9.01	mg/kg dry		53.1			7.98	10
Lead	11.0		4.52	mg/kg dry		11.4			3.83	10
Molybdenum	<4.52	U	4.52	mg/kg dry		<4.52			200	10
Nickel	4.56		4.52	mg/kg dry		4.52			0.765	10
Potassium	2050		901	mg/kg dry		2200			7.07	10
Selenium	<9.01	U	9.01	mg/kg dry		<9.01			200	10
Total Phosphorus	4760		901	mg/kg dry		5120			7.16	10
Dilution Check (BHE2798-SRL2)			**Source: 24E2136-01**		Prepared: 5/16/2024 Analyzed: 5/30/2024					
Arsenic	5.51	U	11.7	mg/kg dry		7.12			25.5	10
Cadmium	0.656	U	1.17	mg/kg dry		0.712			8.19	10
Chromium	11.6		5.87	mg/kg dry		11.6			0.0804	10
Copper	260	J1	11.7	mg/kg dry		309			17.2	10
Lead	7.87		5.87	mg/kg dry		8.43			6.90	10
Molybdenum	<5.87	U	5.87	mg/kg dry		5.90			200	10
Nickel	11.1		5.87	mg/kg dry		11.1			0.276	10
Potassium	3430		1170	mg/kg dry		3510			2.13	10
Selenium	<11.7	U	11.7	mg/kg dry		6.56			200	10
Total Phosphorus	11100		1170	mg/kg dry		11300			1.38	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD2650 - Percent Solids										
Blank (BHD2650-BLK1)					Prepared: 4/15/2024 Analyzed: 4/16/2024					
% Solids	<0.100	U	0.100	%						
Duplicate (BHD2650-DUP1)		**Source: 24D3758-03**			Prepared: 4/15/2024 Analyzed: 4/16/2024					
% Solids	1.13		0.100	%		1.13			0.374	20
Reference (BHD2650-SRM1)					Prepared: 4/15/2024 Analyzed: 4/16/2024					
% Solids	0.401		0.100	%	0.350		115	78.9-118		
Batch: BHD2740 - Solid Anions No Prep										
Duplicate (BHD2740-DUP1)		**Source: 24D3621-01**			Prepared & Analyzed: 4/16/2024					
Nitrate as N	19200		347	mg/kg dry		19900			3.53	15
MRL Check (BHD2740-MRL1)					Prepared & Analyzed: 4/16/2024					
Nitrate as N	0.107	U	0.125	mg/kg wet	0.100		107	50-150		
Matrix Spike (BHD2740-MS1)		**Source: 24D3621-01**			Prepared & Analyzed: 4/16/2024					
Nitrate as N	19700	J1	385	mg/kg dry	247	19900	NR	80-120		
Batch: BHD2820 - TKN T										
Blank (BHD2820-BLK1)					Prepared: 4/16/2024 Analyzed: 4/17/2024					
Total Kjeldahl Nitrogen - (TKN)	<9.92	U	9.92	mg/kg wet						
LCS (BHD2820-BS1)					Prepared: 4/16/2024 Analyzed: 4/17/2024					
Total Kjeldahl Nitrogen - (TKN)	17.7		9.88	mg/kg wet	19.5		90.8	85-115		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD2820 - TKN T (Continued)										
Duplicate (BHD2820-DUP1)		**Source: 24D2468-01**			Prepared: 4/16/2024 Analyzed: 4/17/2024					
Total Kjeldahl Nitrogen - (TKN)	55700		1280	mg/kg dry		59700			6.95	20
Matrix Spike (BHD2820-MS1)		**Source: 24D2468-01**			Prepared: 4/16/2024 Analyzed: 4/17/2024					
Total Kjeldahl Nitrogen - (TKN)	70800	J1	1280	mg/kg dry	5110	59700	218	85-115		
Batch: BHD3759 - TKN T										
Blank (BHD3759-BLK1)					Prepared & Analyzed: 4/22/2024					
Ammonia as N	<9.99	U	9.99	mg/kg wet						
LCS (BHD3759-BS1)					Prepared & Analyzed: 4/22/2024					
Ammonia as N	95.3		9.98	mg/kg wet	99.8		95.5	85-115		
Duplicate (BHD3759-DUP1)		**Source: 24D2917-01**			Prepared & Analyzed: 4/22/2024					
Ammonia as N	11700	J1	2050	mg/kg dry		8930			26.9	20
MRL Check (BHD3759-MRL1)					Prepared & Analyzed: 4/22/2024					
Ammonia as N	8.94	U	9.98	mg/kg wet	9.98		89.6	50-150		
Matrix Spike (BHD3759-MS1)		**Source: 24D2917-01**			Prepared & Analyzed: 4/22/2024					
Ammonia as N	30900		2040	mg/kg dry	20400	8930	108	85-115		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

TCLP

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD4002 - SW-5030										
Blank (BHD4002-BLK1)					Prepared & Analyzed: 4/23/2024					
1,1-Dichloroethylene	<0.700	U	0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.500	U	0.500	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<7.50	U	7.50	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<200	U	200	mg/L						
Benzene	<0.500	U	0.500	mg/L						
Carbon tetrachloride	<0.500	U	0.500	mg/L						
Chlorobenzene	<100	U	100	mg/L						
Chloroform	<6.00	U	6.00	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.700	U	0.700	mg/L						
Trichloroethene (Trichloroethylene)	<0.500	U	0.500	mg/L						
Vinyl chloride (Chloroethene)	<0.200	U	0.200	mg/L						
Surrogate: 4-Bromofluorobenzene-surr			*46.2*	*ug/L*	*50.0*		*92.3*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*48.1*	*ug/L*	*50.0*		*96.2*	*70-130*		
Surrogate: Toluene-d8-surr			*47.9*	*ug/L*	*50.0*		*95.7*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*50.2*	*ug/L*	*50.0*		*100*	*70-130*		
LCS (BHD4002-BS1)					Prepared & Analyzed: 4/23/2024					
1,1-Dichloroethylene	0.0344	J1, U	0.700	mg/L	0.0500		68.8	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0371	U	0.500	mg/L	0.0500		74.2	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0402	U	7.50	mg/L	0.0500		80.5	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.440	U	200	mg/L	0.500		88.1	70-130		
Benzene	0.0393	U	0.500	mg/L	0.0500		78.5	70-130		
Carbon tetrachloride	0.0359	U	0.500	mg/L	0.0500		71.9	70-130		
Chlorobenzene	0.0394	U	100	mg/L	0.0500		78.8	70-130		
Chloroform	0.0383	U	6.00	mg/L	0.0500		76.5	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0464	U	0.700	mg/L	0.0500		92.9	70-130		
Trichloroethene (Trichloroethylene)	0.0397	U	0.500	mg/L	0.0500		79.3	70-130		
Vinyl chloride (Chloroethene)	0.0377	U	0.200	mg/L	0.0500		75.3	70-130		
Surrogate: 4-Bromofluorobenzene-surr			*49.6*	*ug/L*	*50.0*		*99.1*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*43.6*	*ug/L*	*50.0*		*87.1*	*70-130*		
Surrogate: Toluene-d8-surr			*50.2*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*45.5*	*ug/L*	*50.0*		*91.0*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD4002 - SW-5030 (Continued)										
LCS Dup (BHD4002-BSD1)					Prepared & Analyzed: 4/23/2024					
1,1-Dichloroethylene	0.0350	U	0.700	mg/L	0.0500		70.1	70-130	1.86	30
1,2-Dichloroethane (Ethylene dichloride)	0.0365	U	0.500	mg/L	0.0500		72.9	70-130	1.72	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0384	U	7.50	mg/L	0.0500		76.7	70-130	4.76	30
2-Butanone (Methyl ethyl ketone, MEK)	0.437	U	200	mg/L	0.500		87.3	70-130	0.816	30
Benzene	0.0394	U	0.500	mg/L	0.0500		78.8	70-130	0.355	30
Carbon tetrachloride	0.0352	U	0.500	mg/L	0.0500		70.5	70-130	1.96	30
Chlorobenzene	0.0396	U	100	mg/L	0.0500		79.2	70-130	0.489	30
Chloroform	0.0373	U	6.00	mg/L	0.0500		74.6	70-130	2.54	30
Tetrachloroethylene (Perchloroethylene)	0.0470	U	0.700	mg/L	0.0500		94.0	70-130	1.18	30
Trichloroethene (Trichloroethylene)	0.0404	U	0.500	mg/L	0.0500		80.7	70-130	1.78	30
Vinyl chloride (Chloroethene)	0.0389	U	0.200	mg/L	0.0500		77.7	70-130	3.09	30
Surrogate: 4-Bromofluorobenzene-surr			*48.6*	*ug/L*	*50.0*		*97.3*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*44.1*	*ug/L*	*50.0*		*88.1*	*70-130*		
Surrogate: Toluene-d8-surr			*49.3*	*ug/L*	*50.0*		*98.6*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*43.7*	*ug/L*	*50.0*		*87.4*	*70-130*		
BHD3764-BLK1 (BHD4002-LBK1)					Prepared & Analyzed: 4/23/2024					
1,1-Dichloroethylene	<0.700	U	0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.500	U	0.500	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<7.50	U	7.50	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<200	U	200	mg/L						
Benzene	<0.500	U	0.500	mg/L						
Carbon tetrachloride	<0.500	U	0.500	mg/L						
Chlorobenzene	<100	U	100	mg/L						
Chloroform	<6.00	U	6.00	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.700	U	0.700	mg/L						
Trichloroethene (Trichloroethylene)	<0.500	U	0.500	mg/L						
Vinyl chloride (Chloroethene)	<0.200	U	0.200	mg/L						
Surrogate: 4-Bromofluorobenzene-surr			*47.5*	*ug/L*	*50.0*		*95.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*46.3*	*ug/L*	*50.0*		*92.6*	*70-130*		
Surrogate: Toluene-d8-surr			*48.6*	*ug/L*	*50.0*		*97.1*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*47.1*	*ug/L*	*50.0*		*94.1*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD4002 - SW-5030 (Continued)										
Matrix Spike (BHD4002-MS1)	**Source: 24D3349-01**				Prepared & Analyzed: 4/23/2024					
1,1-Dichloroethylene	0.0255	J1, U	0.700	mg/L	0.0500	<0.700	50.9	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0247	J1, U	0.500	mg/L	0.0500	<0.500	49.3	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0281	J1, U	7.50	mg/L	0.0500	<7.50	56.3	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.241	J1, U	200	mg/L	0.500	<200	48.3	70-130		
Benzene	0.0274	J1, U	0.500	mg/L	0.0500	<0.500	54.8	70-130		
Carbon tetrachloride	0.0258	J1, U	0.500	mg/L	0.0500	<0.500	51.6	70-130		
Chlorobenzene	0.0272	J1, U	100	mg/L	0.0500	0.00207	50.2	70-130		
Chloroform	0.0116	J1, U	6.00	mg/L	0.0500	<6.00	23.2	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0277	J1, U	0.700	mg/L	0.0500	<0.700	55.4	70-130		
Trichloroethene (Trichloroethylene)	0.0283	J1, U	0.500	mg/L	0.0500	<0.500	56.5	70-130		
Vinyl chloride (Chloroethene)	0.0317	J1, U	0.200	mg/L	0.0500	<0.200	63.3	70-130		
Surrogate: 4-Bromofluorobenzene-surr			*47.7*	*ug/L*	*50.0*		*95.5*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*43.7*	*ug/L*	*50.0*		*87.3*	*70-130*		
Surrogate: Toluene-d8-surr			*50.0*	*ug/L*	*50.0*		*99.9*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*46.0*	*ug/L*	*50.0*		*92.0*	*70-130*		
Matrix Spike Dup (BHD4002-MSD1)	**Source: 24D3349-01**				Prepared & Analyzed: 4/23/2024					
1,1-Dichloroethylene	0.0388	J1, U	0.700	mg/L	0.0500	<0.700	77.6	70-130	41.5	30
1,2-Dichloroethane (Ethylene dichloride)	0.0379	J1, U	0.500	mg/L	0.0500	<0.500	75.9	70-130	42.4	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0423	J1, U	7.50	mg/L	0.0500	<7.50	84.7	70-130	40.3	30
2-Butanone (Methyl ethyl ketone, MEK)	0.388	J1, U	200	mg/L	0.500	<200	77.7	70-130	46.7	30
Benzene	0.0408	J1, U	0.500	mg/L	0.0500	<0.500	81.5	70-130	39.1	30
Carbon tetrachloride	0.0392	J1, U	0.500	mg/L	0.0500	<0.500	78.5	70-130	41.3	30
Chlorobenzene	0.0407	J1, U	100	mg/L	0.0500	0.00207	77.3	70-130	39.9	30
Chloroform	0.0256	J1, U	6.00	mg/L	0.0500	<6.00	51.2	70-130	75.2	30
Tetrachloroethylene (Perchloroethylene)	0.0435	J1, U	0.700	mg/L	0.0500	<0.700	87.1	70-130	44.5	30
Trichloroethene (Trichloroethylene)	0.0411	J1, U	0.500	mg/L	0.0500	<0.500	82.3	70-130	37.1	30
Vinyl chloride (Chloroethene)	0.0414	U	0.200	mg/L	0.0500	<0.200	82.8	70-130	26.6	30
Surrogate: 4-Bromofluorobenzene-surr			*47.9*	*ug/L*	*50.0*		*95.9*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*45.5*	*ug/L*	*50.0*		*91.1*	*70-130*		
Surrogate: Toluene-d8-surr			*50.8*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*46.4*	*ug/L*	*50.0*		*92.7*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD4468 - SW-7471 TCLP										
Duplicate (BHD4468-DUP1)		**Source: 24D2762-01**			Prepared & Analyzed: 4/26/2024					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
Duplicate (BHD4468-DUP2)		**Source: 24D3737-01**			Prepared & Analyzed: 4/26/2024					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
BHD2500-BLK1 (BHD4468-LBK1)					Prepared & Analyzed: 4/26/2024					
Mercury	<0.200	U	0.200	mg/L						
BHD3763-BLK1 (BHD4468-LBK2)					Prepared & Analyzed: 4/26/2024					
Mercury	<0.200	U	0.200	mg/L						
MDL Check (BHD4468-MRL1)					Prepared & Analyzed: 4/26/2024					
Mercury	0.000225	U	0.200	mg/L	0.000200		112			
Matrix Spike (BHD4468-MS1)		**Source: 24D2762-01**			Prepared & Analyzed: 4/26/2024					
Mercury	0.00502	U	0.200	mg/L	0.00500	<0.200	100	80-120		
Matrix Spike (BHD4468-MS2)		**Source: 24D3737-01**			Prepared & Analyzed: 4/26/2024					
Mercury	0.00499	U	0.200	mg/L	0.00500	<0.200	99.8	80-120		
Batch: BHD4477 - SW-3511										
MB SV (BHD4477-BLK1)					Prepared: 4/25/2024 Analyzed: 5/14/2024					
2,4,5-Trichlorophenol	<400	U	400	mg/L						
2,4,6-Trichlorophenol	<2.00	U	2.00	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.130	U	0.130	mg/L						
2-Methylphenol	<200	U	200	mg/L						
3,4-Methylphenol	<200	U	200	mg/L						
Hexachlorobenzene	<0.130	U	0.130	mg/L						
Hexachlorobutadiene	<0.500	U	0.500	mg/L						
Hexachloroethane	<3.00	U	3.00	mg/L						
Nitrobenzene	<2.00	U	2.00	mg/L						
Pentachlorophenol	<100	U	100	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.00942*	*mg/L*	*0.0100*		*94.2*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0217*	*mg/L*	*0.0200*		*109*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0219*	*mg/L*	*0.0200*		*110*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0120*	*mg/L*	*0.0100*		*120*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0244*	*mg/L*	*0.0200*		*122*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0124*	*mg/L*	*0.0100*		*124*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD4477 - SW-3511 (Continued)										
Blank (BHD4477-BLK2)					Prepared: 4/25/2024 Analyzed: 5/16/2024					
Pyridine	<5.00	U	5.00	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.00956*	*mg/L*	*0.0100*		*95.6*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.0102*	*mg/L*	*0.0100*		*102*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.0116*	*mg/L*	*0.0100*		*116*	*51.9-147*		
BS SV (BHD4477-BS1)					Prepared: 4/25/2024 Analyzed: 5/14/2024					
2,4,5-Trichlorophenol	0.0233	U	400	mg/L	0.0200		116	60-140		
2,4,6-Trichlorophenol	0.0248	U	2.00	mg/L	0.0200		124	60-140		
2,4-Dinitrotoluene (2,4-DNT)	0.0126	U	0.130	mg/L	0.0100		126	60-140		
2-Methylphenol	0.0218	U	200	mg/L	0.0200		109	60-140		
3,4-Methylphenol	0.0537	L, U	200	mg/L	0.0400		134	60-140		
Hexachlorobenzene	0.0109	U	0.130	mg/L	0.0100		109	60-140		
Hexachlorobutadiene	0.00700	U	0.500	mg/L	0.0100		70.0	60-140		
Hexachloroethane	0.00748	U	3.00	mg/L	0.0100		74.8	60-140		
Nitrobenzene	0.0127	U	2.00	mg/L	0.0100		127	60-140		
Pentachlorophenol	0.0236	U	100	mg/L	0.0200		118	36.8-149		
Surrogate: 2-Fluorobiphenyl-surr			*0.0114*	*mg/L*	*0.0100*		*114*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr		*S*	*0.0310*	*mg/L*	*0.0200*		*155*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0214*	*mg/L*	*0.0200*		*107*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0122*	*mg/L*	*0.0100*		*122*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0238*	*mg/L*	*0.0200*		*119*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0101*	*mg/L*	*0.0100*		*101*	*51.9-147*		
LCS (BHD4477-BS2)					Prepared: 4/25/2024 Analyzed: 5/16/2024					
Pyridine	0.0368	U	5.00	mg/L	0.0500		73.5	2.5-101		
Surrogate: 2-Fluorobiphenyl-surr			*0.00960*	*mg/L*	*0.0100*		*96.0*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.0116*	*mg/L*	*0.0100*		*116*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.0106*	*mg/L*	*0.0100*		*106*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD4477 - SW-3511 (Continued)										
BSD SV (BHD4477-BSD1)					Prepared: 4/25/2024 Analyzed: 5/14/2024					
2,4,5-Trichlorophenol	0.0208	U	400	mg/L	0.0200		104	60-140	11.1	40
2,4,6-Trichlorophenol	0.0222	U	2.00	mg/L	0.0200		111	60-140	10.9	40
2,4-Dinitrotoluene (2,4-DNT)	0.0127	U	0.130	mg/L	0.0100		127	60-140	0.327	40
2-Methylphenol	0.0210	U	200	mg/L	0.0200		105	60-140	3.58	40
3,4-Methylphenol	0.0414	L, U	200	mg/L	0.0400		104	60-140	25.8	40
Hexachlorobenzene	0.0112	U	0.130	mg/L	0.0100		112	60-140	3.01	40
Hexachlorobutadiene	0.00828	U	0.500	mg/L	0.0100		82.8	60-140	16.8	40
Hexachloroethane	0.00860	U	3.00	mg/L	0.0100		86.0	60-140	13.9	40
Nitrobenzene	0.0126	U	2.00	mg/L	0.0100		126	60-140	1.01	40
Pentachlorophenol	0.0236	U	100	mg/L	0.0200		118	36.8-149	0.00512	40
Surrogate: 2-Fluorobiphenyl-surr			*0.0102*	*mg/L*	*0.0100*		*102*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr		*S*	*0.0312*	*mg/L*	*0.0200*		*156*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0222*	*mg/L*	*0.0200*		*111*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0120*	*mg/L*	*0.0100*		*120*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0280*	*mg/L*	*0.0200*		*140*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0109*	*mg/L*	*0.0100*		*109*	*51.9-147*		
LCS Dup (BHD4477-BSD2)					Prepared: 4/25/2024 Analyzed: 5/16/2024					
Pyridine	0.0366	U	5.00	mg/L	0.0500		73.2	2.5-101	0.445	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00949*	*mg/L*	*0.0100*		*94.9*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.0108*	*mg/L*	*0.0100*		*108*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.0104*	*mg/L*	*0.0100*		*104*	*51.9-147*		
BHD3763-BLK1 (BHD4477-LBK1)					Prepared: 4/25/2024 Analyzed: 5/14/2024					
2,4,5-Trichlorophenol	<400	U	400	mg/L						
2,4,6-Trichlorophenol	<2.00	U	2.00	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.130	U	0.130	mg/L						
2-Methylphenol	<200	U	200	mg/L						
3,4-Methylphenol	<200	U	200	mg/L						
Hexachlorobenzene	<0.130	U	0.130	mg/L						
Hexachlorobutadiene	<0.500	U	0.500	mg/L						
Hexachloroethane	<3.00	U	3.00	mg/L						
Nitrobenzene	<2.00	U	2.00	mg/L						
Pentachlorophenol	<100	U	100	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.00973*	*mg/L*	*0.0100*		*97.3*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0171*	*mg/L*	*0.0200*		*85.3*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0197*	*mg/L*	*0.0200*		*98.3*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0120*	*mg/L*	*0.0100*		*120*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0232*	*mg/L*	*0.0200*		*116*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00924*	*mg/L*	*0.0100*		*92.4*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD4477 - SW-3511 (Continued)										
BHD3763-BLK1 (BHD4477-LBK2)					Prepared: 4/25/2024 Analyzed: 5/16/2024					
Pyridine	<5.00	U	5.00	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.00952*	*mg/L*	*0.0100*		*95.2*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.0109*	*mg/L*	*0.0100*		*109*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.00959*	*mg/L*	*0.0100*		*95.9*	*51.9-147*		
MDL SV (BHD4477-MRL1)					Prepared: 4/25/2024 Analyzed: 5/14/2024					
2,4,5-Trichlorophenol	0.00143	U	400	mg/L	0.00100		143			
2,4,6-Trichlorophenol	0.00120	U	2.00	mg/L	0.00100		120			
2,4-Dinitrotoluene (2,4-DNT)	0.000427	U	0.130	mg/L	0.000500		85.3			
2-Methylphenol	0.00143	U	200	mg/L	0.00100		143			
3,4-Methylphenol	0.00204	U	200	mg/L	0.00200		102			
Hexachlorobenzene	0.000623	U	0.130	mg/L	0.000500		125			
Hexachlorobutadiene	0.000338	U	0.500	mg/L	0.000500		67.5			
Hexachloroethane	0.000303	U	3.00	mg/L	0.000500		60.7			
Nitrobenzene	0.000694	U	2.00	mg/L	0.000500		139			
Pentachlorophenol	0.00121	U	100	mg/L	0.00100		121			
Surrogate: 2-Fluorobiphenyl-surr			*0.00983*	*mg/L*	*0.0100*		*98.3*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0176*	*mg/L*	*0.0200*		*88.0*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0221*	*mg/L*	*0.0200*		*110*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0119*	*mg/L*	*0.0100*		*119*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0226*	*mg/L*	*0.0200*		*113*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0135*	*mg/L*	*0.0100*		*135*	*51.9-147*		
24D2762-01 MS (BHD4477-MS1)			**Source: 24D2762-01**		Prepared: 4/25/2024 Analyzed: 5/14/2024					
2,4,5-Trichlorophenol	0.0240	U	400	mg/L	0.0200	<400	120	44.9-171		
2,4,6-Trichlorophenol	0.0219	U	2.00	mg/L	0.0200	<2.00	110	34.7-143		
2,4-Dinitrotoluene (2,4-DNT)	0.0119	U	0.130	mg/L	0.0100	<0.130	119	50.3-144		
2-Methylphenol	0.0260	U	200	mg/L	0.0200	0.00263	117	17.3-182		
3,4-Methylphenol	0.0417	L, U	200	mg/L	0.0400	0.00210	99.1	43.4-188		
Hexachlorobenzene	0.0102	U	0.130	mg/L	0.0100	<0.130	102	56.1-137		
Hexachlorobutadiene	0.00774	U	0.500	mg/L	0.0100	<0.500	77.4	33.1-110		
Hexachloroethane	0.00692	U	3.00	mg/L	0.0100	<3.00	69.2	36.2-106		
Nitrobenzene	0.0125	U	2.00	mg/L	0.0100	<2.00	125	54.9-156		
Pentachlorophenol	0.0247	U	100	mg/L	0.0200	<100	124	42.2-151		
Surrogate: 2-Fluorobiphenyl-surr			*0.0101*	*mg/L*	*0.0100*		*101*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0201*	*mg/L*	*0.0200*		*100*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0219*	*mg/L*	*0.0200*		*110*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0124*	*mg/L*	*0.0100*		*124*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0291*	*mg/L*	*0.0200*		*145*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0105*	*mg/L*	*0.0100*		*105*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD4477 - SW-3511 (Continued)										
Matrix Spike (BHD4477-MS2)			**Source: 24D2762-01RE1**		Prepared: 4/25/2024 Analyzed: 5/16/2024					
Pyridine	0.0153	U	5.00	mg/L	0.0500	<5.00	30.6	2-87.4		
Surrogate: 2-Fluorobiphenyl-surr			*0.00912*	*mg/L*	*0.0100*		*91.2*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.0117*	*mg/L*	*0.0100*		*117*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.0112*	*mg/L*	*0.0100*		*112*	*51.9-147*		
24D2762-01 MSD (BHD4477-MSD1)			**Source: 24D2762-01**		Prepared: 4/25/2024 Analyzed: 5/14/2024					
2,4,5-Trichlorophenol	0.0235	U	400	mg/L	0.0200	<400	117	44.9-171	2.17	40
2,4,6-Trichlorophenol	0.0217	U	2.00	mg/L	0.0200	<2.00	109	34.7-143	0.738	40
2,4-Dinitrotoluene (2,4-DNT)	0.0126	U	0.130	mg/L	0.0100	<0.130	126	50.3-144	5.85	40
2-Methylphenol	0.0221	U	200	mg/L	0.0200	0.00263	97.3	17.3-182	16.1	40
3,4-Methylphenol	0.0388	L, U	200	mg/L	0.0400	0.00210	91.6	43.4-188	7.40	40
Hexachlorobenzene	0.0101	U	0.130	mg/L	0.0100	<0.130	101	56.1-137	0.267	40
Hexachlorobutadiene	0.00644	U	0.500	mg/L	0.0100	<0.500	64.4	33.1-110	18.3	40
Hexachloroethane	0.00674	U	3.00	mg/L	0.0100	<3.00	67.4	36.2-106	2.53	40
Nitrobenzene	0.0117	U	2.00	mg/L	0.0100	<2.00	117	54.9-156	6.21	40
Pentachlorophenol	0.0242	U	100	mg/L	0.0200	<100	121	42.2-151	2.12	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00900*	*mg/L*	*0.0100*		*90.0*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0231*	*mg/L*	*0.0200*		*116*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0218*	*mg/L*	*0.0200*		*109*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0113*	*mg/L*	*0.0100*		*113*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0251*	*mg/L*	*0.0200*		*126*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00933*	*mg/L*	*0.0100*		*93.3*	*51.9-147*		
Matrix Spike Dup (BHD4477-MSD2)			**Source: 24D2762-01RE1**		Prepared: 4/25/2024 Analyzed: 5/16/2024					
Pyridine	0.0166	U	5.00	mg/L	0.0500	<5.00	33.2	2-87.4	7.99	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00892*	*mg/L*	*0.0100*		*89.2*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.0113*	*mg/L*	*0.0100*		*113*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.0107*	*mg/L*	*0.0100*		*107*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD4488 - SW-3511										
Blank (BHD4488-BLK1)					Prepared: 4/25/2024 Analyzed: 6/4/2024					
2,4-D	<10.0	U	10.0	mg/L						
Silvex (2,4,5-TP)	<1.00	U	1.00	mg/L						
Surrogate: DCAA-surr			*0.0254*	*mg/L*	*0.0250*		*102*	*70-130*		
LCS (BHD4488-BS1)					Prepared: 4/25/2024 Analyzed: 6/4/2024					
2,4-D	0.00629	U	10.0	mg/L	0.00515		122	70-130		
Silvex (2,4,5-TP)	0.00616	U	1.00	mg/L	0.00500		123	70-130		
Surrogate: DCAA-surr			*0.0268*	*mg/L*	*0.0250*		*107*	*70-130*		
LCS Dup (BHD4488-BSD1)					Prepared: 4/25/2024 Analyzed: 6/4/2024					
2,4-D	0.00682	J1, U	10.0	mg/L	0.00515		132	70-130	8	30
Silvex (2,4,5-TP)	0.00662	J1, U	1.00	mg/L	0.00500		132	70-130	7	30
Surrogate: DCAA-surr			*0.0314*	*mg/L*	*0.0250*		*126*	*70-130*		
BHD3763-BLK1 (BHD4488-LBK1)					Prepared: 4/25/2024 Analyzed: 6/4/2024					
2,4-D	<10.0	U	10.0	mg/L						
Silvex (2,4,5-TP)	<1.00	U	1.00	mg/L						
Surrogate: DCAA-surr			*0.127*	*mg/L*	*0.100*		*127*	*70-130*		
Matrix Spike (BHD4488-MS1)	**Source: 24D3310-01**				Prepared: 4/25/2024 Analyzed: 6/4/2024					
2,4-D	0.0294	J1, U	10.0	mg/L	0.0206	<10.0	142	70-130		
Silvex (2,4,5-TP)	0.0269	J1, U	1.00	mg/L	0.0200	<1.00	134	70-130		
Surrogate: DCAA-surr	*S*		*0.131*	*mg/L*	*0.100*		*131*	*70-130*		
Matrix Spike Dup (BHD4488-MSD1)	**Source: 24D3310-01**				Prepared: 4/25/2024 Analyzed: 6/4/2024					
2,4-D	0.0297	J1, U	10.0	mg/L	0.0206	<10.0	144	70-130	1	30
Silvex (2,4,5-TP)	0.0268	J1, U	1.00	mg/L	0.0200	<1.00	134	70-130	0.2	30
Surrogate: DCAA-surr	*S*		*0.131*	*mg/L*	*0.100*		*131*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD4565 - EPA 200.2 TCLP										
Blank (BHD4565-BLK1)					Prepared: 4/26/2024 Analyzed: 5/10/2024					
Arsenic	<5.00	U	5.00	mg/L						
Barium	<100	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Lead	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Blank (BHD4565-BLK2)					Prepared: 4/26/2024 Analyzed: 5/13/2024					
Chromium	<5.00	U	5.00	mg/L						
Blank (BHD4565-BLK5)					Prepared: 4/26/2024 Analyzed: 5/29/2024					
Silver	<5.00	U	5.00	mg/L						
LCS (BHD4565-BS1)					Prepared: 4/26/2024 Analyzed: 5/10/2024					
Arsenic	0.496	U	5.00	mg/L	0.500		99.3	80-120		
Barium	0.494	U	100	mg/L	0.500		98.8	80-120		
Cadmium	0.0496	U	1.00	mg/L	0.0500		99.1	80-120		
Lead	0.246	U	5.00	mg/L	0.250		98.6	80-120		
Selenium	0.492	U	1.00	mg/L	0.500		98.4	80-120		
LCS (BHD4565-BS2)					Prepared: 4/26/2024 Analyzed: 5/13/2024					
Chromium	0.260		0.00500	mg/L	0.250		104	80-120		
LCS (BHD4565-BS5)					Prepared: 4/26/2024 Analyzed: 5/29/2024					
Silver	0.0474	U	5.00	mg/L	0.0500		94.8	80-120		
Duplicate (BHD4565-DUP1)		**Source: 24D2762-01**			Prepared: 4/26/2024 Analyzed: 5/10/2024					
Arsenic	0.0109	U	5.00	mg/L		0.0129			16.9	20
Barium	1.50	U	100	mg/L		1.54			2.70	20
Cadmium	<1.00	U	1.00	mg/L		<1.00				20
Lead	<5.00	U	5.00	mg/L		<5.00				20
Selenium	0.00853	U	1.00	mg/L		0.00601			34.7	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD4565 - EPA 200.2 TCLP (Continued)										
Duplicate (BHD4565-DUP2)		**Source: 24D2762-01**			Prepared: 4/26/2024 Analyzed: 5/13/2024					
Chromium	0.00293	U	5.00	mg/L		0.00265			10.0	20
Duplicate (BHD4565-DUP5)		**Source: 24D2762-01**			Prepared: 4/26/2024 Analyzed: 5/29/2024					
Silver	<5.00	U	5.00	mg/L		<5.00				20
BHD3763-LBK1 (BHD4565-LBK1)					Prepared: 4/26/2024 Analyzed: 5/10/2024					
Arsenic	0.0140	U	5.00	mg/L						
Barium	0.813	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Lead	0.00358	U	5.00	mg/L						
Selenium	0.00734	U	1.00	mg/L						
BHD3763-LBK1 (BHD4565-LBK2)					Prepared: 4/26/2024 Analyzed: 5/13/2024					
Chromium	0.00378	U	5.00	mg/L						
BHD3763-LBK1 (BHD4565-LBK5)					Prepared: 4/26/2024 Analyzed: 5/29/2024					
Silver	<5.00	U	5.00	mg/L						
Matrix Spike (BHD4565-MS1)		**Source: 24D2762-01**			Prepared: 4/26/2024 Analyzed: 5/10/2024					
Arsenic	0.537	U	5.00	mg/L	0.500	0.0129	105	75-125		
Barium	3.86	J1, U	100	mg/L	0.500	1.54	464	75-125		
Cadmium	0.0543	U	1.00	mg/L	0.0500	<1.00	109	75-125		
Lead	0.263	U	5.00	mg/L	0.250	<5.00	105	75-125		
Selenium	0.529	U	1.00	mg/L	0.500	0.00601	105	75-125		
Matrix Spike (BHD4565-MS2)		**Source: 24D2762-01**			Prepared: 4/26/2024 Analyzed: 5/13/2024					
Chromium	0.268		0.00500	mg/L	0.250	0.00265	106	75-125		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD4565 - EPA 200.2 TCLP (Continued)										
Matrix Spike (BHD4565-MS5)		**Source: 24D2762-01**			Prepared: 4/26/2024 Analyzed: 5/29/2024					
Silver	0.0507	U	5.00	mg/L	0.0500	<5.00	101	75-125		
Post Spike (BHD4565-PS1)		**Source: 24D2762-01**			Prepared: 4/26/2024 Analyzed: 5/10/2024					
Arsenic	513			ug/L	500	12.6	100	80-120		
Barium	2020			ug/L	500	1500	105	80-120		
Cadmium	50.4			ug/L	50.0	0.254	100	80-120		
Lead	237			ug/L	250	1.03	94.4	80-120		
Selenium	496			ug/L	500	5.86	98.0	80-120		
Post Spike (BHD4565-PS2)		**Source: 24D2762-01**			Prepared: 4/26/2024 Analyzed: 5/13/2024					
Chromium	247			ug/L	250	2.58	97.7	80-120		
Post Spike (BHD4565-PS5)		**Source: 24D2762-01**			Prepared: 4/26/2024 Analyzed: 5/29/2024					
Silver	54.7			ug/L	50.0	-0.458	109	80-120		
Dilution Check (BHD4565-SRL1)		**Source: 24D2762-01**			Prepared: 4/26/2024 Analyzed: 5/10/2024					
Arsenic	0.0386	U	5.00	mg/L		<5.00			99.9	10
Barium	1.54	U	100	mg/L		1.54			0.00	10
Cadmium	<1.00	U	1.00	mg/L		<1.00				10
Lead	<5.00	U	5.00	mg/L		<5.00				10
Selenium	0.0365	U	1.00	mg/L		<1.00			143	10
Dilution Check (BHD4565-SRL2)		**Source: 24D2762-01**			Prepared: 4/26/2024 Analyzed: 5/13/2024					
Chromium	0.00960	U	5.00	mg/L		<5.00			113	10
Dilution Check (BHD4565-SRL5)		**Source: 24D2762-01**			Prepared: 4/26/2024 Analyzed: 5/29/2024					
Silver	<5.00	U	5.00	mg/L		<5.00				10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD4674 - SW-3511										
Blank (BHD4674-BLK1)					Prepared: 4/26/2024 Analyzed: 5/17/2024					
Chlordane (Total)	<0.0300	U	0.0300	mg/L						
Endrin	<0.0200	U	0.0200	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<0.400	U	0.400	mg/L						
Heptachlor	<0.00800	U	0.00800	mg/L						
Heptachlor epoxide	<0.00800	U	0.00800	mg/L						
Methoxychlor	<10.0	U	10.0	mg/L						
Toxaphene (Chlorinated Camphene)	<0.500	U	0.500	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000128*	*mg/L*	*0.000120*		*107*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000141*	*mg/L*	*0.000120*		*117*	*60-140*		
TOX LCS (BHD4674-BS1)					Prepared: 4/26/2024 Analyzed: 5/17/2024					
Toxaphene (Chlorinated Camphene)	0.00127	U	0.500	mg/L	0.00120		106	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*9.04E-5*	*mg/L*	*0.000120*		*75.4*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000133*	*mg/L*	*0.000120*		*111*	*60-140*		
LCS (BHD4674-BS2)					Prepared: 4/26/2024 Analyzed: 5/17/2024					
Chlordane (Total)	0.000531	U	0.0300	mg/L	0.000480		111	60-140		
Endrin	0.000147	U	0.0200	mg/L	0.000120		122	60-140		
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000127	U	0.400	mg/L	0.000120		106	60-140		
Heptachlor	0.000126	U	0.00800	mg/L	0.000120		105	60-140		
Heptachlor epoxide	0.000127	U	0.00800	mg/L	0.000120		106	60-140		
Methoxychlor	0.000132	U	10.0	mg/L	0.000120		110	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*9.04E-5*	*mg/L*	*0.000120*		*75.4*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000134*	*mg/L*	*0.000120*		*111*	*60-140*		
TOX LCSD (BHD4674-BSD1)					Prepared: 4/26/2024 Analyzed: 5/17/2024					
Toxaphene (Chlorinated Camphene)	0.00125	U	0.500	mg/L	0.00120		104	60-140	1.59	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000100*	*mg/L*	*0.000120*		*83.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000141*	*mg/L*	*0.000120*		*118*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD4674 - SW-3511 (Continued)										
LCS Dup (BHD4674-BSD2)					Prepared: 4/26/2024 Analyzed: 5/17/2024					
Chlordane (Total)	0.000576	U	0.0300	mg/L	0.000480		120	60-140	8.14	40
Endrin	0.000152	U	0.0200	mg/L	0.000120		127	60-140	3.62	40
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000151	U	0.400	mg/L	0.000120		126	60-140	16.8	40
Heptachlor	0.000135	U	0.00800	mg/L	0.000120		112	60-140	7.08	40
Heptachlor epoxide	0.000144	U	0.00800	mg/L	0.000120		120	60-140	12.1	40
Methoxychlor	0.000134	U	10.0	mg/L	0.000120		111	60-140	0.872	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000102*	*mg/L*	*0.000120*		*84.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000142*	*mg/L*	*0.000120*		*118*	*60-140*		
BHD3783-BLK1 (BHD4674-LBK1)					Prepared: 4/26/2024 Analyzed: 5/17/2024					
Chlordane (Total)	<0.0300	U	0.0300	mg/L						
Endrin	<0.0200	U	0.0200	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<0.400	U	0.400	mg/L						
Heptachlor	<0.00800	U	0.00800	mg/L						
Heptachlor epoxide	<0.00800	U	0.00800	mg/L						
Methoxychlor	<10.0	U	10.0	mg/L						
Toxaphene (Chlorinated Camphene)	<0.500	U	0.500	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000448*	*mg/L*	*0.000600*		*74.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000677*	*mg/L*	*0.000600*		*113*	*60-140*		
TOX MRL (BHD4674-MRL1)					Prepared: 4/26/2024 Analyzed: 5/17/2024					
Toxaphene (Chlorinated Camphene)	0.000350	U	0.500	mg/L	0.000300		117			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr		*S*	*0.000184*	*mg/L*	*0.000120*		*153*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000137*	*mg/L*	*0.000120*		*114*	*60-140*		
MRL Check (BHD4674-MRL2)					Prepared: 4/26/2024 Analyzed: 5/17/2024					
Chlordane (Total)	4.51E-5	U	0.0300	mg/L	4.80E-5		94.0			
Endrin	1.14E-5	U	0.0200	mg/L	1.20E-5		94.6			
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	1.09E-5	U	0.400	mg/L	1.20E-5		91.2			
Heptachlor	1.02E-5	U	0.00800	mg/L	1.20E-5		85.1			
Heptachlor epoxide	1.02E-5	U	0.00800	mg/L	1.20E-5		85.3			
Methoxychlor	1.12E-5	U	10.0	mg/L	1.20E-5		93.3			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*9.42E-5*	*mg/L*	*0.000120*		*78.5*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000139*	*mg/L*	*0.000120*		*116*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD4674 - SW-3511 (Continued)										
Matrix Spike (BHD4674-MS1)		**Source: 24D2832-01**			Prepared: 4/26/2024 Analyzed: 5/17/2024					
Chlordane (Total)	0.00307	U	0.0300	mg/L	0.00240	<0.0300	128	60-140		
Endrin	0.000910	J1, U	0.0200	mg/L	0.000600	<0.0200	152	60-140		
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000815	U	0.400	mg/L	0.000600	<0.400	136	60-140		
Heptachlor	0.000690	U	0.00800	mg/L	0.000600	<0.00800	115	60-140		
Heptachlor epoxide	0.000804	U	0.00800	mg/L	0.000600	<0.00800	134	60-140		
Methoxychlor	0.000763	U	10.0	mg/L	0.000600	<10.0	127	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000562*	*mg/L*	*0.000600*		*93.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000681*	*mg/L*	*0.000600*		*113*	*60-140*		
Matrix Spike Dup (BHD4674-MSD1)		**Source: 24D2832-01**			Prepared: 4/26/2024 Analyzed: 5/17/2024					
Chlordane (Total)	0.00285	U	0.0300	mg/L	0.00240	<0.0300	119	60-140	7.44	40
Endrin	0.000832	U	0.0200	mg/L	0.000600	<0.0200	139	60-140	8.85	40
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000714	U	0.400	mg/L	0.000600	<0.400	119	60-140	13.2	40
Heptachlor	0.000662	U	0.00800	mg/L	0.000600	<0.00800	110	60-140	4.20	40
Heptachlor epoxide	0.000786	U	0.00800	mg/L	0.000600	<0.00800	131	60-140	2.21	40
Methoxychlor	0.000678	U	10.0	mg/L	0.000600	<10.0	113	60-140	11.7	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000448*	*mg/L*	*0.000600*		*74.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000709*	*mg/L*	*0.000600*		*118*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Sample Condition Checklist

Work Order: 24D3621

Check Points	
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
06/05/2024 15:24

Term and Qualifier Definitions

Item	Definition
B	Analyte was found in the associated method blank.
C+	The associated calibration QC is higher than the established quality control criteria for accuracy - no hit in sample; data not affected and acceptable to report.
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
L	Off scale high - The concentration of the analyte exceeds the linear range.
S	The surrogate recovery was outside the established laboratory recovery limit.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00086

24D3621

Lab PM : Deena Higginbotham	**Project Name** : MUD 21, 22, 23 - Sewage Sludge Annual	**Schedule Comments:**
H2O Innovation_Spring Natalia Espitia P.O. Box 2718 Spring, TX 77383 Phone: 281-353-9809	**Project Comments**: 4103 East Peachfield Lane V. 832-458-9144	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24D3621-01	Digester 3		4/15/2024/08:30	S Grab	A Glass 250mL w/ Teflon-lined Lid B HDPE 250mL C HDPE IC 250mL D HDPE MET 250mL E HDPE WC 250mL F Glass Wide 1L w/ Teflon-lined Lid G HDPE 250mL H Glass VOA 60mL	Arsenic ICP 6010 4°C Arsenic ICP TCLP 4°C Barium ICP TCLP 4°C Cadmium ICP 6010 4°C Cadmium ICP TCLP 4°C Chromium ICP 6010 4°C Chromium ICP TCLP 4°C Copper ICP 6010 4°C Hg-7471 4°C Hg-7471-TCLP 4°C Lead ICP 6010 4°C Lead ICP TCLP 4°C Molybdenum ICP 6010 4°C Nickel ICP 6010 4°C Potassium ICP 6010 4°C Selenium ICP 6010 4°C Selenium ICP TCLP 4°C Silver ICP TCLP 4°C Total Phosphorus ICP 6(4°C Zinc ICP 6010 4°C HERB-TCLP 4°C OCP-TCLP 4°C PCB-8082 4°C SVOA-TCLP 4°C TCLP Bottle 4°C TCLP ZHE 4°C VOA-TCLP 4°C NH3-N T-350.2 4°C Nitrate as N IC 9056 4°C TKN T-351.3 4°C TS-2540 G 4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00086

24D3621

(Continued)

Lab PM : Deena Higginbotham	**Project Name** : MUD 21, 22, 23 - Sewage Sludge Annual	**Schedule Comments:**
H2O Innovation_Spring Natalia Espitia P.O. Box 2718 Spring, TX 77383 Phone: 281-353-9809	**Project Comments**: 4103 East Peachfield Lane V. 832-458-9144	

Field Remarks:

Lab Preservation: (Circle and Write ID Below) H2SO4 HNO3 NaOH Other: _____

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Tyler Henderson	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time: 4-15-24/10.45	Received for Laboratory By: (Signature) KMC	Date/Time: 4.15.24 1045

Custody Seal : Yes / No — COC Labels Agree: Yes / No — Appropriate Volume: Yes / No — Received on Ice: Yes / No — Temperature: _____ °C

Container Intact : Yes / No — Appropriate Containers: Yes / No — Coolers Intact: Yes / No — Samples Accepted: Yes / No — Thermometer ID: _____

North West

West Memorial
WWTP

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

January 23, 2025

LABORATORY REPORT

Patrick Bond
Inframark
32259 Morton Road
Brookshire, TX 77423

Report ID: 20250123152812JKW

RE: West Memorial MUD - Non Potable - Qtrly Class B

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Justin Wood For Aundra Noe
Project Manager

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Inframark	Project: West Memorial MUD - Non Potable - Qtrly Class B	
32259 Morton Road	Project Number:	**Reported:**
Brookshire, TX 77423	Project Manager: Patrick Bond	01/23/2025 15:28

Sample Results

Client Sample ID: Digester
Lab Sample ID: 25A2787-01

Sample Matrix: Solid
Date Collected: 01/13/2025 7:05
Collected by: Jimmy Andara

Method	Analyte	Result	Q	Units	Batch	Date Analyzed	Analyst
Colilert-18	Fecal coliforms	>24200		MPN/g TS dry	BIA1471	01/14/2025 10:13	JKB
Colilert-18	Fecal coliforms	>24200		MPN/g TS dry	BIA1471	01/14/2025 10:13	JKB
Colilert-18	Fecal coliforms	>24200		MPN/g TS dry	BIA1471	01/14/2025 10:13	JKB
Colilert-18	Fecal coliforms	>24200		MPN/g TS dry	BIA1471	01/14/2025 10:13	JKB
Colilert-18	Fecal coliforms	>24200		MPN/g TS dry	BIA1471	01/14/2025 10:13	JKB
Colilert-18	Fecal coliforms	>24200		MPN/g TS dry	BIA1471	01/14/2025 10:13	JKB
Colilert-18	Fecal coliforms	>24200		MPN/g TS dry	BIA1471	01/14/2025 10:13	JKB
SM 2710 B	Specific Oxygen Uptake Rate (SOUR)	0.718		mg O2/hr/g TS @ 20°C dry	BIA1472	01/13/2025 13:06	FPN
SM 2550 B	Temperature °C Field	13.8		°C	BIA1521	01/13/2025 07:05	JMY
SM 2540 G	% Solids	1.47		%	BIA1604	01/15/2025 09:54	JRU

The total solids is diluted to <=2.0% for the S.O.U.R. test when necessary.

CLASS B - Pass

Per Title 30, Texas Administrative Code, Chapter 312, for a Class B to pass, the fecal coliform geometric mean must be less than or equal to 2,000,000 CFU/ug TS and the S.O.U.R must be less than or equal to 1.5 mg O2/hr/g TS.

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Inframark	Project: West Memorial MUD - Non Potable - Qtrly Class B	
32259 Morton Road	Project Number:	**Reported:**
Brookshire, TX 77423	Project Manager: Patrick Bond	01/23/2025 15:28

Quality Control

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA1604 - Percent Solids										
Blank (BIA1604-BLK1)					Prepared: 1/14/2025 Analyzed: 1/15/2025					
% Solids	<0.100	U	0.100	%						
Duplicate (BIA1604-DUP1)			**Source: 25A2787-01**		Prepared: 1/14/2025 Analyzed: 1/15/2025					
% Solids			0.100	%		1.47			0.0609	10
Reference (BIA1604-SRM1)					Prepared: 1/14/2025 Analyzed: 1/15/2025					
% Solids			0.100	%	0.338		104	86.1-114		

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Inframark	Project: West Memorial MUD - Non Potable - Qtrly Class B	
32259 Morton Road	Project Number:	**Reported:**
Brookshire, TX 77423	Project Manager: Patrick Bond	01/23/2025 15:28

Quality Control
(Continued)

Microbiology

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA1471 - FC Quantitray										
Blank (BIA1471-BLK1)					Prepared: 1/13/2025 Analyzed: 1/14/2025					
Fecal coliforms	<0.100	U	0.100	MPN/g TS wet						
Duplicate (BIA1471-DUP1)			**Source: 25A2787-01**		Prepared: 1/13/2025 Analyzed: 1/14/2025					
Fecal coliforms			679	MPN/g TS dry		>24200			0.0165	200

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Inframark	Project: West Memorial MUD - Non Potable - Qtrly Class B	
32259 Morton Road	Project Number:	**Reported:**
Brookshire, TX 77423	Project Manager: Patrick Bond	01/23/2025 15:28

Term and Qualfier Definitions

Item	Definition
U	Non-detected compound.
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A2787

Lab PM : Aundra Noe	**Project Name** : West Memorial MUD - Non Potable - Qtrly Class B	**Schedule Comments:**
Inframark Patrick Bond 32259 Morton Road Brookshire, TX 77423 Phone: (281) 505-0452	**Project Comments**: 22023 Kingsland Blvd - Katy 77450 Greg Prudhomme - 281-917-9262 Codes - 1960 - Sampler Combo - 000	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
25A2787-01	Digester	A HDPE S150mL Na2S2O3 B HDPE S150mL Na2S2O3 C HDPE S150mL Na2S2O3 D HDPE S150mL Na2S2O3 E HDPE S150mL Na2S2O3 F HDPE S150mL Na2S2O3 G HDPE S150mL Na2S2O3 H HDPE 1L I HDPE 250mL	1/13/2025 0705	S Grab	A HDPE S150mL Na2S2O3 B HDPE S150mL Na2S2O3 C HDPE S150mL Na2S2O3 D HDPE S150mL Na2S2O3 E HDPE S150mL Na2S2O3 F HDPE S150mL Na2S2O3 G HDPE S150mL Na2S2O3 H HDPE 1L I HDPE 250mL	FC/CB-QT-LR SOUR-2710 SOUR TS-2540 G TS-2540 G	Na2S2O3 <10°C 4°C 4°C 4°C	Temp C Field 13.8

Field Remarks:

Lab Preservation: (Circle and Write ID Below) H2SO4 HNO3 NaOH Other:

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Jimmy Andra	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 1/13/25 11:30	Received for Laboratory By: (Signature) JmA	Date/Time 1130 01.13.25

Custody Seal : Yes / No
Container Intact : Yes / No
COC Labels Agree: Yes / No
Appropriate Containers: Yes / No
Appropriate Volume: Yes / No
Coolers Intact: Yes / No
Received on Ice: Yes / No
Samples Accepted: Yes / No
Temperature: °C
Thermometer ID:

CHAIN OF CUSTODY RECORD

NWDLS North Water District Laboratory Services, Inc.
North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A2787

Lab PM : Aundra Noe	**Project Name** : West Memorial MUD - Non Potable - Qtrly Class B	**Schedule Comments:**
Inframark Patrick Bond 32259 Morton Road Brookshire, TX 77423 Phone: (281) 505-0452	**Project Comments**: 22023 Kingsland Blvd - Katy 77450 Greg Prudhomme - 281-917-9262 Codes - 1960 - Sampler Combo - 000	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
25A2787-01	Digester	A HDPE S150mL Na2S2O3 B HDPE S150mL Na2S2O3 C HDPE S150mL Na2S2O3 D HDPE S150mL Na2S2O3 E HDPE S150mL Na2S2O3 F HDPE S150mL Na2S2O3 G HDPE S150mL Na2S2O3 H HDPE 1L I HDPE 250mL	1/13/2025 0705	S Grab	A HDPE S150mL Na2S2O3 B HDPE S150mL Na2S2O3 C HDPE S150mL Na2S2O3 D HDPE S150mL Na2S2O3 E HDPE S150mL Na2S2O3 F HDPE S150mL Na2S2O3 G HDPE S150mL Na2S2O3 H HDPE 1L I HDPE 250mL	FC/CB-QT-LR Na2S2O3 SOUR-2710 SOUR TS-2540 G TS-2540 G	<10°C 4°C 4°C 4°C	Temp C Field 13.8

Field Remarks:

Lab Preservation: (Circle and Write ID Below) H2SO4 HNO3 NaOH Other:

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Jimmy Andra	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 1/13/25 11:30	Received for Laboratory By: (Signature) JmA	Date/Time 1130 01.13.25

Custody Seal : Yes / No
Container Intact : Yes / No
COC Labels Agree: Yes / No
Appropriate Containers: Yes / No
Appropriate Volume: Yes / No
Coolers Intact: Yes / No
Received on Ice: Yes / No
Samples Accepted: Yes / No
Temperature: °C
Thermometer ID:

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com

February 03, 2025

Laboratory Report

Patrick Bond
Inframark
32259 Morton Road
Brookshire, TX 77423

Report ID: 20250203113431JKW

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Justin Wood For Aundra Noe
Project Manager

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
02/03/2025 11:34

Sample Results

Client Sample ID: Digester
Lab Sample ID: 25A2788-01
West Memorial MUD - Non Potable - Qtrly Sludge [none]

Sample Matrix: Solid
Date Collected: 01/13/2025 7:05
Collected by: Jimmy Andara

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
SW-6010C	Arsenic	A	7.47		mg/kg dry	1	0.497	2.26	BIA2082	01/19/2025 12:13	JBM
SW-6010C	Cadmium	A	0.409		mg/kg dry	1	0.0588	0.226	BIA2082	01/19/2025 12:13	JBM
SW-6010C	Chromium	A	8.45		mg/kg dry	1	0.850	1.14	BIA2082	01/19/2025 12:13	TBB
SW-6010C	Copper	A	174		mg/kg dry	20	4.84	45.3	BIA2082	01/21/2025 12:25	TBB
SW-7471B	Mercury	A	0.668		mg/kg dry	1	0.0136	0.0272	BIA2702	01/23/2025 14:44	KSI
SW-6010C	Lead	A	9.44		mg/kg dry	1	0.577	1.14	BIA2082	01/21/2025 11:49	TBB
SW-6010C	Molybdenum	A	7.60		mg/kg dry	1	1.14	1.14	BIA2082	01/19/2025 12:13	JBM
SW-6010C	Nickel	A	7.87		mg/kg dry	1	0.306	1.14	BIA2082	01/19/2025 12:13	JBM
SW-6010C	Potassium	A	5450		mg/kg dry	1	19.4	226	BIA2082	01/19/2025 12:13	JBM
SW-6010C	Selenium	A	4.42		mg/kg dry	1	0.884	2.26	BIA2082	01/19/2025 12:13	JBM
SW-6010C	Total Phosphorus	A	17200		mg/kg dry	20	190	4530	BIA2082	01/21/2025 12:25	TBB
SW-6010C	Zinc	A	744		mg/kg dry	20	22.7	22.7	BIA2082	01/21/2025 12:25	TBB
General Chemistry											
EPA 350.2	Ammonia as N	A	7230		mg/kg dry	1	676	1350	BIA1439	01/14/2025 11:31	ENR
SW-9056A	Nitrate as N	A	<8.50	U	mg/kg dry	1	3.40	8.50	BIA1478	01/13/2025 18:13	AGZ
EPA 351.3	Total Kjeldahl Nitrogen - (TKN)	N	61200		mg/kg dry	1	339	339	BIA1644	01/15/2025 11:07	ENR
SM 2540 G	% Solids	A	1.47		%	1	0.100	0.100	BIA1604	01/15/2025 09:54	JRU

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
02/03/2025 11:34

Quality Control

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2082 - SW-3050 for 6010										
Blank (BIA2082-BLK1)					Prepared: 1/16/2025 Analyzed: 1/19/2025					
Arsenic	<0.0333	U	0.0333	mg/kg wet						
Cadmium	<0.00333	U	0.00333	mg/kg wet						
Chromium	<0.0167	U	0.0167	mg/kg wet						
Copper	<0.0333	U	0.0333	mg/kg wet						
Molybdenum	<0.0167	U	0.0167	mg/kg wet						
Nickel	<0.0167	U	0.0167	mg/kg wet						
Potassium	<3.33	U	3.33	mg/kg wet						
Selenium	<0.0333	U	0.0333	mg/kg wet						
Total Phosphorus	<3.33	U	3.33	mg/kg wet						
Zinc	<0.0167	U	0.0167	mg/kg wet						
Blank (BIA2082-BLK2)					Prepared: 1/16/2025 Analyzed: 1/21/2025					
Lead	<0.0167	U	0.0167	mg/kg wet						
LCS (BIA2082-BS1)					Prepared: 1/16/2025 Analyzed: 1/19/2025					
Arsenic	0.799		0.0333	mg/kg wet	0.833		95.9	80-120		
Cadmium	0.0782		0.00333	mg/kg wet	0.0833		93.8	80-120		
Chromium	0.400		0.0167	mg/kg wet	0.417		96.0	80-120		
Copper	0.822		0.0333	mg/kg wet	0.833		98.6	80-120		
Molybdenum	0.404		0.0167	mg/kg wet	0.417		96.9	80-120		
Nickel	0.404		0.0167	mg/kg wet	0.417		96.9	80-120		
Potassium	79.9		3.33	mg/kg wet	83.3		95.9	80-120		
Selenium	0.815		0.0333	mg/kg wet	0.833		97.8	80-120		
Total Phosphorus	84.2		3.33	mg/kg wet	83.3		101	80-120		
Zinc	0.402		0.0167	mg/kg wet	0.417		96.6	80-120		
LCS (BIA2082-BS2)					Prepared: 1/16/2025 Analyzed: 1/21/2025					
Lead	0.411		0.0167	mg/kg wet	0.417		98.7	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
02/03/2025 11:34

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2082 - SW-3050 for 6010 (Continued)										
Matrix Spike (BIA2082-MS1)		**Source: 25A2002-01**		Prepared: 1/16/2025 Analyzed: 1/19/2025						
Arsenic	41.7		1.94	mg/kg dry	48.6	4.12	77.3	75-125		
Cadmium	4.40		0.194	mg/kg dry	4.86	0.697	76.0	75-125		
Chromium	37.3	J1	0.975	mg/kg dry	24.3	23.0	58.9	75-125		
Copper	1430		38.9	mg/kg dry	1020	437	97.5	75-125		
Molybdenum	23.8	J1	0.975	mg/kg dry	24.3	6.60	70.7	75-125		
Nickel	32.6	J1	0.975	mg/kg dry	24.3	18.2	59.1	75-125		
Potassium	6310	J1	194	mg/kg dry	4860	2780	72.4	75-125		
Selenium	46.1		1.94	mg/kg dry	48.6	6.83	80.8	75-125		
Total Phosphorus	2680	J1	972	mg/kg dry	9730	2000	6.96	75-125		
Zinc	2350	J1	97.5	mg/kg dry	997	1010	134	75-125		
Matrix Spike (BIA2082-MS2)		**Source: 25A2002-01**		Prepared: 1/16/2025 Analyzed: 1/21/2025						
Lead	56.7		9.75	mg/kg dry	24.3	31.9	102	75-125		
Matrix Spike Dup (BIA2082-MSD1)		**Source: 25A2002-01**		Prepared: 1/16/2025 Analyzed: 1/19/2025						
Arsenic	48.0		1.93	mg/kg dry	48.2	4.12	91.0	75-125	13.9	20
Cadmium	5.00		0.193	mg/kg dry	4.82	0.697	89.2	75-125	12.8	20
Chromium	42.4		0.966	mg/kg dry	24.1	23.0	80.2	75-125	12.6	20
Copper	1540		38.5	mg/kg dry	1010	437	109	75-125	7.29	20
Molybdenum	27.8		0.966	mg/kg dry	24.1	6.60	88.2	75-125	15.7	20
Nickel	37.7		0.966	mg/kg dry	24.1	18.2	81.0	75-125	14.6	20
Potassium	7570		193	mg/kg dry	4820	2780	99.4	75-125	18.3	20
Selenium	54.1		1.93	mg/kg dry	48.2	6.83	98.1	75-125	15.9	20
Total Phosphorus	5190	J1	963	mg/kg dry	9640	2000	33.1	75-125	63.9	20
Zinc	2990	J1	96.6	mg/kg dry	988	1010	200	75-125	24.0	20
Matrix Spike Dup (BIA2082-MSD2)		**Source: 25A2002-01**		Prepared: 1/16/2025 Analyzed: 1/21/2025						
Lead	53.8		9.66	mg/kg dry	24.1	31.9	90.9	75-125	5.13	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
02/03/2025 11:34

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2082 - SW-3050 for 6010 (Continued)										
Post Spike (BIA2082-PS1)		**Source: 25A2002-01**			Prepared: 1/16/2025 Analyzed: 1/19/2025					
Arsenic	523			ug/L	500	40.4	96.4	80-120		
Cadmium	44.0	J1		ug/L	50.0	6.83	74.3	80-120		
Chromium	552	J1		ug/L	250	225	131	80-120		
Copper	6210	J1		ug/L	500	4280	386	80-120		
Molybdenum	487	J1		ug/L	250	64.6	169	80-120		
Nickel	475			ug/L	250	178	119	80-120		
Potassium	4250	J1		ug/L	50000	27300	NR	80-120		
Selenium	398	J1		ug/L	500	66.8	66.2	80-120		
Total Phosphorus	25200	J1		ug/L	50000	19600	11.3	80-120		
Zinc	16700	J1		ug/L	250	9920	NR	80-120		
Post Spike (BIA2082-PS2)		**Source: 25A2002-01**			Prepared: 1/16/2025 Analyzed: 1/21/2025					
Lead	544			ug/L	250	313	92.4	80-120		
Dilution Check (BIA2082-SRL1)		**Source: 25A2002-01**			Prepared: 1/16/2025 Analyzed: 1/19/2025					
Arsenic	4.45	U	9.65	mg/kg dry		4.12			7.68	10
Cadmium	0.608	U	0.965	mg/kg dry		0.697			13.7	10
Chromium	23.5		4.84	mg/kg dry		23.0			1.95	10
Copper	387	J1	9.65	mg/kg dry		437			12.1	10
Molybdenum	7.13		4.84	mg/kg dry		6.60			7.75	10
Nickel	22.0	J1	4.84	mg/kg dry		18.2			18.6	10
Potassium	781	U	965	mg/kg dry		2780			112	10
Selenium	5.33	U	9.65	mg/kg dry		6.83			24.6	10
Total Phosphorus	5950	J1	965	mg/kg dry		2000			99.4	10
Dilution Check (BIA2082-SRL2)		**Source: 25A2002-01**			Prepared: 1/16/2025 Analyzed: 1/21/2025					
Lead	30.4		4.84	mg/kg dry		31.9			5.00	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
02/03/2025 11:34

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA2702 - SW-7471										
MDL Check (BIA2702-MRL1)					Prepared & Analyzed: 1/23/2025					
Mercury	0.0106	U	0.0200	mg/kg wet	0.0100		106			
Matrix Spike (BIA2702-MS1)		**Source: 25A2597-06**			Prepared & Analyzed: 1/23/2025					
Mercury	0.500		0.0284	mg/kg dry	0.355	0.0945	114	80-120		
Matrix Spike (BIA2702-MS2)		**Source: 25A3540-01**			Prepared & Analyzed: 1/23/2025					
Mercury	0.208		0.0118	mg/kg dry	0.148	0.0553	103	80-120		
Matrix Spike Dup (BIA2702-MSD1)		**Source: 25A2597-06**			Prepared & Analyzed: 1/23/2025					
Mercury	0.540	J1	0.0286	mg/kg dry	0.357	0.0945	125	80-120	7.72	20
Matrix Spike Dup (BIA2702-MSD2)		**Source: 25A3540-01**			Prepared & Analyzed: 1/23/2025					
Mercury	0.222		0.0118	mg/kg dry	0.148	0.0553	113	80-120	6.82	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
02/03/2025 11:34

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA1439 - NH3-N T										
Blank (BIA1439-BLK1)					Prepared: 1/13/2025 Analyzed: 1/14/2025					
Ammonia as N	<9.93	U	9.93	mg/kg wet						
LCS (BIA1439-BS1)					Prepared: 1/13/2025 Analyzed: 1/14/2025					
Ammonia as N	96.5		9.99	mg/kg wet	99.9		96.6	85-115		
Duplicate (BIA1439-DUP1)		**Source: 25A2494-01**			Prepared: 1/13/2025 Analyzed: 1/14/2025					
Ammonia as N	1130		1030	mg/kg dry		1130			0.198	20
MRL Check (BIA1439-MRL1)					Prepared: 1/13/2025 Analyzed: 1/14/2025					
Ammonia as N	6.96	U	9.94	mg/kg wet	9.94		70.0	50-150		
Matrix Spike (BIA1439-MS1)		**Source: 25A2494-01**			Prepared: 1/13/2025 Analyzed: 1/14/2025					
Ammonia as N	9110	J1	1040	mg/kg dry	10400	1130	77.1	85-115		
Batch: BIA1478 - Solid Anions No Prep										
Duplicate (BIA1478-DUP1)		**Source: 25A2788-01**			Prepared & Analyzed: 1/13/2025					
Nitrate as N	<8.50	U	8.50	mg/kg dry		<8.50				15
MRL Check (BIA1478-MRL1)					Prepared & Analyzed: 1/13/2025					
Nitrate as N	0.120	U	0.125	mg/kg wet	0.100		120	50-150		
Matrix Spike (BIA1478-MS1)		**Source: 25A2788-01**			Prepared & Analyzed: 1/13/2025					
Nitrate as N	142		9.45	mg/kg dry	151	<9.45	93.8	80-120		
Batch: BIA1604 - Percent Solids										
Blank (BIA1604-BLK1)					Prepared: 1/14/2025 Analyzed: 1/15/2025					
% Solids	<0.100	U	0.100	%						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
02/03/2025 11:34

Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIA1604 - Percent Solids (Continued)										
Duplicate (BIA1604-DUP1)			**Source: 25A2787-01**		Prepared: 1/14/2025 Analyzed: 1/15/2025					
% Solids	1.47		0.100	%		1.47			0.0609	10
Reference (BIA1604-SRM1)					Prepared: 1/14/2025 Analyzed: 1/15/2025					
% Solids	0.350		0.100	%	0.338		104	86.1-114		
Batch: BIA1644 - TKN T										
Blank (BIA1644-BLK1)					Prepared: 1/14/2025 Analyzed: 1/15/2025					
Total Kjeldahl Nitrogen - (TKN)	<9.96	U	9.96	mg/kg wet						
LCS (BIA1644-BS1)					Prepared: 1/14/2025 Analyzed: 1/15/2025					
Total Kjeldahl Nitrogen - (TKN)	24.3		9.88	mg/kg wet	25.7		94.8	85-115		
Duplicate (BIA1644-DUP1)			**Source: 25A2788-01**		Prepared: 1/14/2025 Analyzed: 1/15/2025					
Total Kjeldahl Nitrogen - (TKN)	74700		337	mg/kg dry		61200			19.9	20
MRL Check (BIA1644-MRL1)					Prepared: 1/14/2025 Analyzed: 1/15/2025					
Total Kjeldahl Nitrogen - (TKN)	13.2	J1	9.80	mg/kg wet	39.2		33.6	50-150		
Matrix Spike (BIA1644-MS1)			**Source: 25A2788-01**		Prepared: 1/14/2025 Analyzed: 1/15/2025					
Total Kjeldahl Nitrogen - (TKN)	75000	J1	338	mg/kg dry	1350	61200	NR	85-115		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
02/03/2025 11:34

Sample Condition Checklist

Work Order: 25A2788

Check Points	
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
02/03/2025 11:34

Term and Qualifier Definitions

Item	Definition
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25A2788

Lab PM : Aundra Noe	**Project Name** : West Memorial MUD - Non Potable - Qtrly Sludge	**Schedule Comments:**
Inframark Patrick Bond 32259 Morton Road Brookshire, TX 77423 Phone: (281) 505-0452	**Project Comments**: 22023 Kingsland Blvd - Katy 77450 Greg Prudhomme - 281-917-9262 Codes - 1960 - Sampler Combo - 000	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
25A2788-01	Digester		1/13/2025/07:05	S Grab	A HDPE IC 250mL B HDPE MET 250mL C HDPE WC 250mL	Arsenic ICP 6010 4°C Cadmium ICP 6010 4°C Chromium ICP 6010 4°C Copper ICP 6010 4°C Hg-7471 4°C Lead ICP 6010 4°C Molybdenum ICP 6010 4°C Nickel ICP 6010 4°C Potassium ICP 6010 4°C Selenium ICP 6010 4°C Total Phosphorus ICP 6(4°C Zinc ICP 6010 4°C NH3-N T-350.2 4°C Nitrate as N IC 9056 4°C TKN T-351.3 4°C TS-2540 G 4°C	

Field Remarks:

Lab Preservation: (Circle and Write ID Below) H2SO4 HNO3 NaOH Other:

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Jimmy Andra	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 1/13/25/11:30	Received for Laboratory By: (Signature)	Date/Time 1130 01.13.25

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID:

Katy South

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com

April 11, 2025

Laboratory Report

Patrick Bond
Inframark
32259 Morton Road
Brookshire, TX 77423

Report ID: 20250411071729RUW

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Ruth Wills For Aundra Noe
Project Manager

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Sample Results

Client Sample ID: Digester
Lab Sample ID: 25C3769-01
West Memorial MUD - Non Potable - PCB - TCLP [none]

Sample Matrix: Solid
Date Collected: 03/20/2025 11:30
Collected by: Jimmy Andara

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Organics by GC											
SW-8082	PCBs, Total	A	<400	U	ug/kg dry	10	11.4	400	BID0194	04/04/2025 13:35	SHU
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*60.9%*		*60-140*					*04/04/2025 13:35*	
SW-8082	*Surrogate: Decachlorobiphenyl-surr*		*90.4%*		*60-140*					*04/04/2025 13:35*	
General Chemistry											
SM 2540 G	% Solids	A	1.49		%	1	0.100	0.100	BIC2962	03/25/2025 09:39	BP
TCLP											
SW-6010C	Arsenic	A	<5.00	U	mg/L	1	0.00367	5.00	BIC3341	03/29/2025 16:53	JBM
SW-6010C	Barium	A	<100	U	mg/L	1	0.00125	100	BIC3341	03/29/2025 16:53	JBM
SW-6010C	Cadmium	A	<1.00	U	mg/L	1	0.000423	1.00	BIC3341	03/29/2025 16:53	JBM
SW-6010C	Chromium	A	<5.00	U	mg/L	1	0.00131	5.00	BIC3341	03/29/2025 16:53	JBM
SW-8151	2,4-D	A	<10.0	U	mg/L	2	0.000474	10.0	BIC3294	03/31/2025 00:19	KRB
SW-8151	Silvex (2,4,5-TP)	A	<1.00	U	mg/L	2	0.000474	1.00	BIC3294	03/31/2025 00:19	KRB
SW-8151	*Surrogate: DCAA-surr*		*128%*		*70-130*					*03/31/2025 00:19*	
SW-7471B	Mercury	A	<0.200	U	mg/L	1	0.000127	0.200	BID0378	04/03/2025 13:08	NAZ
SW-6010C	Lead	A	<5.00	U	mg/L	1	0.00341	5.00	BIC3341	04/01/2025 14:27	TBB
SW-8081	Chlordane (Total)	A	<0.0300	U, CQ	mg/L	1	2.99E-6	0.0300	BIC3197	03/27/2025 03:34	KRB
SW-8081	Endrin	N	<0.0200	U, CQ	mg/L	1	2.99E-6	0.0200	BIC3197	03/27/2025 03:34	KRB
SW-8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	A	<0.400	U, CQ	mg/L	1	2.99E-6	0.400	BIC3197	03/27/2025 03:34	KRB
SW-8081	Heptachlor	A	<0.00800	U, CQ	mg/L	1	2.99E-6	0.00800	BIC3197	03/27/2025 03:34	KRB
SW-8081	Heptachlor epoxide	A	<0.00800	U, CQ	mg/L	1	2.99E-6	0.00800	BIC3197	03/27/2025 03:34	KRB
SW-8081	Methoxychlor	A	<10.0	U, CQ	mg/L	1	2.99E-6	10.0	BIC3197	03/27/2025 03:34	KRB
SW-8081	Toxaphene (Chlorinated Camphene)	A	<0.500	U, CQ	mg/L	1	2.99E-6	0.500	BIC3197	03/27/2025 03:34	KRB
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*89.5% CQ*		*60-140*					*03/27/2025 03:34*	
SW-8081	*Surrogate: Decachlorobiphenyl-surr*		*107% CQ*		*60-140*					*03/27/2025 03:34*	
SW-6010C	Selenium	A	<1.00	U	mg/L	1	0.00531	1.00	BIC3341	03/29/2025 16:53	JBM
SW-6010C	Silver	A	<5.00	U	mg/L	1	0.00142	5.00	BIC3341	04/01/2025 14:27	TBB
SW-8270	2,4,5-Trichlorophenol	A	<400	U	mg/L	1	0.00248	400	BIC3436	03/29/2025 08:18	KRB
SW-8270	2,4,6-Trichlorophenol	A	<2.00	U	mg/L	1	0.00248	2.00	BIC3436	03/29/2025 08:18	KRB
SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	U	mg/L	1	0.00248	0.130	BIC3436	03/29/2025 08:18	KRB
SW-8270	2-Methylphenol (o-Cresol)	A	<200	U	mg/L	1	0.00248	200	BIC3436	03/29/2025 08:18	KRB
SW-8270	3,4-Methylphenol	A	<200	U	mg/L	1	0.00248	200	BIC3436	03/29/2025 08:18	KRB

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Sample Results
(Continued)

Client Sample ID: Digester (Continued)
Lab Sample ID: 25C3769-01
West Memorial MUD - Non Potable - PCB - TCLP [none]

Sample Matrix: Solid
Date Collected: 03/20/2025 11:30
Collected by: Jimmy Andara

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8270	Hexachlorobenzene	A	<0.130	U	mg/L	1	0.00248	0.130	BIC3436	03/29/2025 08:18	KRB
SW-8270	Hexachlorobutadiene	A	<0.500	U	mg/L	1	0.00248	0.500	BIC3436	03/29/2025 08:18	KRB
SW-8270	Hexachloroethane	A	<3.00	U	mg/L	1	0.00248	3.00	BIC3436	03/29/2025 08:18	KRB
SW-8270	Nitrobenzene	A	<2.00	U	mg/L	1	0.00248	2.00	BIC3436	03/29/2025 08:18	KRB
SW-8270	Pentachlorophenol	A	<100	U	mg/L	1	0.00248	100	BIC3436	03/29/2025 08:18	KRB
SW-8270	Pyridine	A	<5.00	U	mg/L	1	0.00248	5.00	BIC3436	03/29/2025 08:18	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*		*99.7%*		*54.6-148*					*03/29/2025 08:18*	
SW-8270	*Surrogate: 2-Fluorophenol-surr*		*100%*		*55-152*					*03/29/2025 08:18*	
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*		*88.3%*		*52.4-136*					*03/29/2025 08:18*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr*		*106%*		*52-162*					*03/29/2025 08:18*	
SW-8270	*Surrogate: Phenol-d5-surr*		*100%*		*58.7-152*					*03/29/2025 08:18*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr*		*86.2%*		*51.9-147*					*03/29/2025 08:18*	
SW-8260	1,1-Dichloroethylene	A	<0.700	U	mg/L	10	0.00849	0.700	BIC3310	03/26/2025 17:36	DDB
SW-8260	1,2-Dichloroethane (Ethylene dichloride)	A	<0.500	U	mg/L	10	0.00870	0.500	BIC3310	03/26/2025 17:36	DDB
SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<7.50	U	mg/L	10	0.00641	7.50	BIC3310	03/26/2025 17:36	DDB
SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	A	<200	U	mg/L	10	0.0738	200	BIC3310	03/26/2025 17:36	DDB
SW-8260	Benzene	A	<0.500	U	mg/L	10	0.00604	0.500	BIC3310	03/26/2025 17:36	DDB
SW-8260	Carbon tetrachloride	A	<0.500	U	mg/L	10	0.00500	0.500	BIC3310	03/26/2025 17:36	DDB
SW-8260	Chlorobenzene	A	<100	U	mg/L	10	0.00724	100	BIC3310	03/26/2025 17:36	DDB
SW-8260	Chloroform	A	<6.00	U	mg/L	10	0.00688	6.00	BIC3310	03/26/2025 17:36	DDB
SW-8260	Tetrachloroethylene (Perchloroethylene)	A	<0.700	U	mg/L	10	0.00703	0.700	BIC3310	03/26/2025 17:36	DDB
SW-8260	Trichloroethene (Trichloroethylene)	A	<0.500	U	mg/L	10	0.00744	0.500	BIC3310	03/26/2025 17:36	DDB
SW-8260	Vinyl chloride (Chloroethene)	A	<0.200	U	mg/L	10	0.0130	0.200	BIC3310	03/26/2025 17:36	DDB
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*		*104%*		*70-130*					*03/26/2025 17:36*	
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*		*110%*		*70-130*					*03/26/2025 17:36*	
SW-8260	*Surrogate: Toluene-d8-surr*		*102%*		*70-130*					*03/26/2025 17:36*	
SW-8260	*Surrogate: Dibromofluoromethane-surr*		*100%*		*70-130*					*03/26/2025 17:36*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BID0194 - SW-3570										
Blank (BID0194-BLK1)				Prepared: 04/02/2025 Analyzed: 04/04/2025						
Aroclor-1016 (PCB-1016)	<6.00	U	6.00	ug/kg wet						
Aroclor-1221 (PCB-1221)	<6.00	U	6.00	ug/kg wet						
Aroclor-1232 (PCB-1232)	<6.00	U	6.00	ug/kg wet						
Aroclor-1242 (PCB-1242)	<6.00	U	6.00	ug/kg wet						
Aroclor-1248 (PCB-1248)	<6.00	U	6.00	ug/kg wet						
Aroclor-1254 (PCB-1254)	<6.00	U	6.00	ug/kg wet						
Aroclor-1260 (PCB-1260)	<6.00	U	6.00	ug/kg wet						
Aroclor-1262 (PCB-1262)	<6.00	U	6.00	ug/kg wet						
Aroclor-1268 (PCB-1268)	<6.00	U	6.00	ug/kg wet						
PCBs, Total	<6.00	U	6.00	ug/kg wet						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*3.08*	*ug/kg wet*	*6.00*		*51.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.40*	*ug/kg wet*	*6.00*		*90.0*	*60-140*		
LCS (BID0194-BS1)				Prepared: 04/02/2025 Analyzed: 04/04/2025						
Aroclor-1016 (PCB-1016)	57.5		5.98	ug/kg wet	59.8		96.3	60-140		
Aroclor-1260 (PCB-1260)	66.8		5.98	ug/kg wet	59.8		112	60-140		
PCBs, Total	62.2		5.98	ug/kg wet	59.8		104	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*2.35*	*ug/kg wet*	*5.98*		*39.4*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.80*	*ug/kg wet*	*5.98*		*97.1*	*60-140*		
LCS Dup (BID0194-BSD1)				Prepared: 04/02/2025 Analyzed: 04/04/2025						
Aroclor-1016 (PCB-1016)	54.9		5.95	ug/kg wet	59.5		92.2	60-140	4.69	40
Aroclor-1260 (PCB-1260)	59.8		5.95	ug/kg wet	59.5		100	60-140	11.1	40
PCBs, Total	57.4		5.95	ug/kg wet	59.5		96.4	60-140	8.07	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*2.30*	*ug/kg wet*	*5.95*		*38.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.74*	*ug/kg wet*	*5.95*		*96.4*	*60-140*		
Matrix Spike (BID0194-MS1)	**Source: 25C0029-01**			Prepared: 04/02/2025 Analyzed: 04/04/2025						
Aroclor-1016 (PCB-1016)	3360	J1	523	ug/kg dry	5230	792	49.1	60-140		
Aroclor-1260 (PCB-1260)	3440	J1	523	ug/kg dry	5230	852	49.5	60-140		
PCBs, Total	3400	J1	523	ug/kg dry	5230	822	49.3	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*197*	*ug/kg dry*	*523*		*37.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*343*	*ug/kg dry*	*523*		*65.6*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BID0194 - SW-3570 (Continued)										
Matrix Spike Dup (BID0194-MSD1)	**Source: 25C0029-01**			Prepared: 04/02/2025 Analyzed: 04/04/2025						
Aroclor-1016 (PCB-1016)	4560		525	ug/kg dry	5250	792	71.8	60-140	30.3	40
Aroclor-1260 (PCB-1260)	4450		525	ug/kg dry	5250	852	68.6	60-140	25.6	40
PCBs, Total	4510		525	ug/kg dry	5250	822	70.2	60-140	28.0	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*373*	*ug/kg dry*	*525*		*71.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*500*	*ug/kg dry*	*525*		*95.3*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC2962 - Percent Solids										
Blank (BIC2962-BLK1)					Prepared: 03/24/2025 Analyzed: 03/25/2025					
% Solids	<0.100	U	0.100	%						
Duplicate (BIC2962-DUP1)			**Source: 25C3903-02**		Prepared: 03/24/2025 Analyzed: 03/25/2025					
% Solids	1.25		0.100	%		1.23			2.05	20
Reference (BIC2962-SRM1)					Prepared: 03/24/2025 Analyzed: 03/25/2025					
% Solids	0.375		0.100	%	0.338		111	86.1-114		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

TCLP

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC3197 - SW-3511										
Blank (BIC3197-BLK1)					Prepared & Analyzed: 03/26/2025					
Chlordane (Total)	<1.20E-6	U	1.20E-6	mg/L						
cis-Chlordane (alpha-Chlordane)	<1.20E-6	U	1.20E-6	mg/L						
Endrin	<1.20E-6	U	1.20E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<1.20E-6	U	1.20E-6	mg/L						
gamma-Chlordane	<1.20E-6	U	1.20E-6	mg/L						
Heptachlor	<1.20E-6	U	1.20E-6	mg/L						
Heptachlor epoxide	<1.20E-6	U	1.20E-6	mg/L						
Methoxychlor	<1.20E-6	U	1.20E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<1.20E-6	U	1.20E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000108*	*mg/L*	*0.000120*		*89.9*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000101*	*mg/L*	*0.000120*		*84.4*	*60-140*		
LCS (BIC3197-BS1)					Prepared & Analyzed: 03/26/2025					
Toxaphene (Chlorinated Camphene)	0.00113	U	0.500	mg/L	0.00120		94.3	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000116*	*mg/L*	*0.000120*		*96.5*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*7.00E-5*	*mg/L*	*0.000120*		*58.4*	*60-140*		
LCS (BIC3197-BS2)					Prepared & Analyzed: 03/26/2025					
Chlordane (Total)	0.000337	U	0.0300	mg/L	0.000479		70.3	60-140		
Endrin	8.13E-5	U	0.0200	mg/L	0.000120		67.9	60-140		
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	8.46E-5	U	0.400	mg/L	0.000120		70.6	60-140		
Heptachlor	7.93E-5	U	0.00800	mg/L	0.000120		66.2	60-140		
Heptachlor epoxide	8.70E-5	U	0.00800	mg/L	0.000120		72.6	60-140		
Methoxychlor	7.26E-5	U	10.0	mg/L	0.000120		60.7	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000116*	*mg/L*	*0.000120*		*96.9*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000116*	*mg/L*	*0.000120*		*97.1*	*60-140*		
LCS Dup (BIC3197-BSD1)					Prepared & Analyzed: 03/26/2025					
Toxaphene (Chlorinated Camphene)	0.00113	U	0.500	mg/L	0.00120		94.5	60-140	0.110	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000130*	*mg/L*	*0.000120*		*108*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*7.39E-5*	*mg/L*	*0.000120*		*61.6*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC3197 - SW-3511 (Continued)										
LCS Dup (BIC3197-BSD2)					Prepared & Analyzed: 03/26/2025					
Chlordane (Total)	0.000386	U	0.0300	mg/L	0.000480		80.4	60-140	13.6	40
Endrin	9.52E-5	U	0.0200	mg/L	0.000120		79.4	60-140	15.8	40
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	9.30E-5	U	0.400	mg/L	0.000120		77.5	60-140	9.53	40
Heptachlor	9.14E-5	U	0.00800	mg/L	0.000120		76.2	60-140	14.2	40
Heptachlor epoxide	9.75E-5	U	0.00800	mg/L	0.000120		81.2	60-140	11.4	40
Methoxychlor	8.48E-5	U	10.0	mg/L	0.000120		70.7	60-140	15.5	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000110*	*mg/L*	*0.000120*		*91.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000119*	*mg/L*	*0.000120*		*98.9*	*60-140*		
BIC2568-BLK1 (BIC3197-LBK1)					Prepared: 03/26/2025 Analyzed: 03/27/2025					
Chlordane (Total)	<5.99E-6	U	5.99E-6	mg/L						
Endrin	<5.99E-6	U	5.99E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<5.99E-6	U	5.99E-6	mg/L						
Heptachlor	<5.99E-6	U	5.99E-6	mg/L						
Heptachlor epoxide	<5.99E-6	U	5.99E-6	mg/L						
Methoxychlor	<5.99E-6	U	5.99E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<5.99E-6	U	5.99E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000728*	*mg/L*	*0.000599*		*121*	*60-140*		
BIC2161-BLK1 (BIC3197-LBK2)					Prepared: 03/26/2025 Analyzed: 03/27/2025					
Chlordane (Total)	<5.96E-6	U	5.96E-6	mg/L						
Endrin	<5.96E-6	U	5.96E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<5.96E-6	U	5.96E-6	mg/L						
Heptachlor	<5.96E-6	U	5.96E-6	mg/L						
Heptachlor epoxide	<5.96E-6	U	5.96E-6	mg/L						
Methoxychlor	<5.96E-6	U	5.96E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<5.96E-6	U	5.96E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000659*	*mg/L*	*0.000596*		*110*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000590*	*mg/L*	*0.000596*		*99.0*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC3197 - SW-3511 (Continued)										
BIC2996-BLK1 (BIC3197-LBK3)					Prepared: 03/26/2025 Analyzed: 03/27/2025					
Chlordane (Total)	<5.98E-6	U	5.98E-6	mg/L						
Endrin	<5.98E-6	U	5.98E-6	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<5.98E-6	U	5.98E-6	mg/L						
Heptachlor	<5.98E-6	U	5.98E-6	mg/L						
Heptachlor epoxide	<5.98E-6	U	5.98E-6	mg/L						
Methoxychlor	<5.98E-6	U	5.98E-6	mg/L						
Toxaphene (Chlorinated Camphene)	<5.98E-6	U	5.98E-6	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000680*	*mg/L*	*0.000598*		*114*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000395*	*mg/L*	*0.000598*		*66.1*	*60-140*		
BIC2568-BLK1 (BIC3197-LBK5)					Prepared: 03/26/2025 Analyzed: 04/01/2025					
Chlordane (Total)	<1.20E-5	U	1.20E-5	mg/L						
Heptachlor	<1.20E-5	U	1.20E-5	mg/L						
Heptachlor epoxide	<1.20E-5	U	1.20E-5	mg/L						
Methoxychlor	<1.20E-5	U	1.20E-5	mg/L						
Toxaphene (Chlorinated Camphene)	<1.20E-5	U	1.20E-5	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000569*	*mg/L*	*0.000599*		*94.9*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*0.000167*	*mg/L*	*0.000599*		*27.8*	*60-140*		
MRL Check (BIC3197-MRL1)					Prepared & Analyzed: 03/26/2025					
Toxaphene (Chlorinated Camphene)	0.000257	U	0.500	mg/L	0.000300		85.7			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000111*	*mg/L*	*0.000120*		*92.9*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*8.70E-5*	*mg/L*	*0.000120*		*72.5*	*60-140*		
MRL Check (BIC3197-MRL2)					Prepared & Analyzed: 03/26/2025					
Chlordane (Total)	2.67E-5	U	0.0300	mg/L	4.80E-5		55.6			
Endrin	8.34E-6	U	0.0200	mg/L	1.20E-5		69.5			
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	8.20E-6	U	0.400	mg/L	1.20E-5		68.4			
Heptachlor	7.04E-6	U	0.00800	mg/L	1.20E-5		58.7			
Heptachlor epoxide	7.17E-6	U	0.00800	mg/L	1.20E-5		59.8			
Methoxychlor	6.07E-6	U	10.0	mg/L	1.20E-5		50.6			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000120*	*mg/L*	*0.000120*		*100*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*8.82E-5*	*mg/L*	*0.000120*		*73.5*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC3294 - SW-3511										
Blank (BIC3294-BLK1)				Prepared: 03/26/2025 Analyzed: 03/30/2025						
2,4-D	<0.000119	U	0.000119	mg/L						
Silvex (2,4,5-TP)	<0.000119	U	0.000119	mg/L						
Surrogate: DCAA-surr			*0.0262*	*mg/L*	*0.0250*		*105*	*70-130*		
LCS (BIC3294-BS1)				Prepared: 03/26/2025 Analyzed: 03/30/2025						
2,4-D	0.00432	U	10.0	mg/L	0.00515		84	70-130		
Silvex (2,4,5-TP)	0.00380	U	1.00	mg/L	0.00500		76	70-130		
Surrogate: DCAA-surr			*0.0278*	*mg/L*	*0.0250*		*111*	*70-130*		
LCS Dup (BIC3294-BSD1)				Prepared: 03/26/2025 Analyzed: 03/30/2025						
2,4-D	0.00434	U	10.0	mg/L	0.00514		84	70-130	0.4	30
Silvex (2,4,5-TP)	0.00384	U	1.00	mg/L	0.00499		77	70-130	0.9	30
Surrogate: DCAA-surr			*0.0305*	*mg/L*	*0.0250*		*122*	*70-130*		
BIC2568-BLK1 (BIC3294-LBK1)				Prepared: 03/26/2025 Analyzed: 03/30/2025						
2,4-D	<0.000472	U	0.000472	mg/L						
Silvex (2,4,5-TP)	<0.000472	U	0.000472	mg/L						
Surrogate: DCAA-surr			*0.108*	*mg/L*	*0.0992*		*109*	*70-130*		
BIC2996-BLK1 (BIC3294-LBK2)				Prepared: 03/26/2025 Analyzed: 03/31/2025						
2,4-D	<0.000474	U	0.000474	mg/L						
Silvex (2,4,5-TP)	<0.000474	U	0.000474	mg/L						
Surrogate: DCAA-surr			*0.114*	*mg/L*	*0.0996*		*114*	*70-130*		
Matrix Spike (BIC3294-MS1)		**Source: 25C3441-01**		Prepared: 03/26/2025 Analyzed: 03/30/2025						
2,4-D	0.0169	U	10.0	mg/L	0.0205	<10.0	82	70-130		
Silvex (2,4,5-TP)	0.0142	U	1.00	mg/L	0.0199	<1.00	72	70-130		
Surrogate: DCAA-surr			*0.118*	*mg/L*	*0.0995*		*119*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC3294 - SW-3511 (Continued)										
Matrix Spike Dup (BIC3294-MSD1)	**Source: 25C3441-01**			Prepared: 03/26/2025 Analyzed: 03/30/2025						
2,4-D	0.0176	U	10.0	mg/L	0.0205	<10.0	86	70-130	4	30
Silvex (2,4,5-TP)	0.0158	U	1.00	mg/L	0.0199	<1.00	80	70-130	10	30
Surrogate: DCAA-surr			*0.117*	*mg/L*	*0.0995*		*118*	*70-130*		
Batch: BIC3310 - SW-5030										
Blank (BIC3310-BLK1)				Prepared & Analyzed: 03/26/2025						
1,1-Dichloroethylene	<0.00300	U	0.00300	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.00300	U	0.00300	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<0.00200	U	0.00200	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<0.0220	U	0.0220	mg/L						
Benzene	<0.00200	U	0.00200	mg/L						
Carbon tetrachloride	<0.00100	U	0.00100	mg/L						
Chlorobenzene	<0.00200	U	0.00200	mg/L						
Chloroform	<0.00200	U	0.00200	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.00200	U	0.00200	mg/L						
Trichloroethene (Trichloroethylene)	<0.00200	U	0.00200	mg/L						
Vinyl chloride (Chloroethene)	<0.00400	U	0.00400	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*48.7*	*ug/L*	*50.0*		*97.4*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*55.8*	*ug/L*	*50.0*		*112*	*70-130*		
Surrogate: Toluene-d8-surr			*51.7*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*50.9*	*ug/L*	*50.0*		*102*	*70-130*		
LCS (BIC3310-BS1)				Prepared & Analyzed: 03/26/2025						
1,1-Dichloroethylene	0.0402	U	0.700	mg/L	0.0400		101	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0398	U	0.500	mg/L	0.0400		99.4	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0396	U	7.50	mg/L	0.0400		98.9	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.391	U	200	mg/L	0.400		97.7	70-130		
Benzene	0.0397	U	0.500	mg/L	0.0400		99.2	70-130		
Carbon tetrachloride	0.0398	U	0.500	mg/L	0.0400		99.5	70-130		
Chlorobenzene	0.0400	U	100	mg/L	0.0400		99.9	70-130		
Chloroform	0.0396	U	6.00	mg/L	0.0400		99.1	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0386	U	0.700	mg/L	0.0400		96.6	70-130		
Trichloroethene (Trichloroethylene)	0.0402	U	0.500	mg/L	0.0400		100	70-130		
Vinyl chloride (Chloroethene)	0.0206	J1, U	0.200	mg/L	0.0400		51.5	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*48.5*	*ug/L*	*50.0*		*97.1*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*48.8*	*ug/L*	*50.0*		*97.6*	*70-130*		
Surrogate: Toluene-d8-surr			*49.7*	*ug/L*	*50.0*		*99.4*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*48.2*	*ug/L*	*50.0*		*96.4*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC3310 - SW-5030 (Continued)										
LCS Dup (BIC3310-BSD1)					Prepared & Analyzed: 03/26/2025					
1,1-Dichloroethylene	0.0415	U	0.700	mg/L	0.0400		104	70-130	3.23	30
1,2-Dichloroethane (Ethylene dichloride)	0.0403	U	0.500	mg/L	0.0400		101	70-130	1.29	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0417	U	7.50	mg/L	0.0400		104	70-130	5.18	30
2-Butanone (Methyl ethyl ketone, MEK)	0.408	U	200	mg/L	0.400		102	70-130	4.32	30
Benzene	0.0414	U	0.500	mg/L	0.0400		104	70-130	4.35	30
Carbon tetrachloride	0.0419	U	0.500	mg/L	0.0400		105	70-130	5.05	30
Chlorobenzene	0.0417	U	100	mg/L	0.0400		104	70-130	4.12	30
Chloroform	0.0413	U	6.00	mg/L	0.0400		103	70-130	3.97	30
Tetrachloroethylene (Perchloroethylene)	0.0405	U	0.700	mg/L	0.0400		101	70-130	4.59	30
Trichloroethene (Trichloroethylene)	0.0420	U	0.500	mg/L	0.0400		105	70-130	4.43	30
Vinyl chloride (Chloroethene)	0.0225	J1, U	0.200	mg/L	0.0400		56.2	70-130	8.67	30
Surrogate: 1,2-Dichloroethane-d4-surr			*48.3*	*ug/L*	*50.0*		*96.7*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*48.2*	*ug/L*	*50.0*		*96.3*	*70-130*		
Surrogate: Toluene-d8-surr			*51.0*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*48.4*	*ug/L*	*50.0*		*96.8*	*70-130*		
BIC2997-BLK1 (BIC3310-LBK1)					Prepared & Analyzed: 03/26/2025					
1,1-Dichloroethylene	<0.00300	U	0.00300	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.00300	U	0.00300	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<0.00200	U	0.00200	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<0.0220	U	0.0220	mg/L						
Benzene	<0.00200	U	0.00200	mg/L						
Carbon tetrachloride	<0.00100	U	0.00100	mg/L						
Chlorobenzene	<0.00200	U	0.00200	mg/L						
Chloroform	<0.00200	U	0.00200	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.00200	U	0.00200	mg/L						
Trichloroethene (Trichloroethylene)	<0.00200	U	0.00200	mg/L						
Vinyl chloride (Chloroethene)	<0.00400	U	0.00400	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*51.6*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*55.6*	*ug/L*	*50.0*		*111*	*70-130*		
Surrogate: Toluene-d8-surr			*51.4*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*50.2*	*ug/L*	*50.0*		*100*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC3310 - SW-5030 (Continued)										
Matrix Spike (BIC3310-MS1)	**Source: 25C3619-01**				Prepared & Analyzed: 03/26/2025					
1,1-Dichloroethylene	0.0522	U	0.700	mg/L	0.0500	<0.700	104	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0512	U	0.500	mg/L	0.0500	<0.500	102	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0513	U	7.50	mg/L	0.0500	<7.50	103	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.479	U	200	mg/L	0.500	<200	95.8	70-130		
Benzene	0.0503	U	0.500	mg/L	0.0500	<0.500	101	70-130		
Carbon tetrachloride	0.0547	U	0.500	mg/L	0.0500	<0.500	109	70-130		
Chlorobenzene	0.0519	U	100	mg/L	0.0500	<100	104	70-130		
Chloroform	0.0427	U	6.00	mg/L	0.0500	<6.00	85.3	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0532	U	0.700	mg/L	0.0500	<0.700	106	70-130		
Trichloroethene (Trichloroethylene)	0.0471	U	0.500	mg/L	0.0500	<0.500	94.2	70-130		
Vinyl chloride (Chloroethene)	0.0541	U	0.200	mg/L	0.0500	<0.200	108	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*51.6*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*51.1*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8-surr			*51.3*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*50.1*	*ug/L*	*50.0*		*100*	*70-130*		
Matrix Spike Dup (BIC3310-MSD1)	**Source: 25C3619-01**				Prepared & Analyzed: 03/26/2025					
1,1-Dichloroethylene	0.0498	U	0.700	mg/L	0.0500	<0.700	99.5	70-130	4.70	30
1,2-Dichloroethane (Ethylene dichloride)	0.0484	U	0.500	mg/L	0.0500	<0.500	96.8	70-130	5.70	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0485	U	7.50	mg/L	0.0500	<7.50	96.9	70-130	5.73	30
2-Butanone (Methyl ethyl ketone, MEK)	0.476	U	200	mg/L	0.500	<200	95.2	70-130	0.609	30
Benzene	0.0507	U	0.500	mg/L	0.0500	<0.500	101	70-130	0.719	30
Carbon tetrachloride	0.0546	U	0.500	mg/L	0.0500	<0.500	109	70-130	0.212	30
Chlorobenzene	0.0497	U	100	mg/L	0.0500	<100	99.5	70-130	4.32	30
Chloroform	0.0409	U	6.00	mg/L	0.0500	<6.00	81.8	70-130	4.19	30
Tetrachloroethylene (Perchloroethylene)	0.0501	U	0.700	mg/L	0.0500	<0.700	100	70-130	5.97	30
Trichloroethene (Trichloroethylene)	0.0455	U	0.500	mg/L	0.0500	<0.500	91.0	70-130	3.49	30
Vinyl chloride (Chloroethene)	0.0526	U	0.200	mg/L	0.0500	<0.200	105	70-130	2.86	30
Surrogate: 1,2-Dichloroethane-d4-surr			*52.2*	*ug/L*	*50.0*		*104*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*51.2*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8-surr			*51.0*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*49.6*	*ug/L*	*50.0*		*99.3*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC3341 - EPA 200.2 TCLP										
Blank (BIC3341-BLK1)				Prepared: 03/27/2025 Analyzed: 03/29/2025						
Arsenic	<5.00	U	5.00	mg/L						
Barium	<100	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Chromium	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Blank (BIC3341-BLK2)				Prepared: 03/27/2025 Analyzed: 04/01/2025						
Lead	<5.00	U	5.00	mg/L						
Silver	<5.00	U	5.00	mg/L						
LCS (BIC3341-BS1)				Prepared: 03/27/2025 Analyzed: 03/29/2025						
Arsenic	0.515	U	5.00	mg/L	0.500		103	80-120		
Barium	0.516	U	100	mg/L	0.500		103	80-120		
Cadmium	0.0510	U	1.00	mg/L	0.0500		102	80-120		
Chromium	0.255	U	5.00	mg/L	0.250		102	80-120		
Selenium	0.514	U	1.00	mg/L	0.500		103	80-120		
LCS (BIC3341-BS2)				Prepared: 03/27/2025 Analyzed: 04/01/2025						
Lead	0.257	U	5.00	mg/L	0.250		103	80-120		
Silver	0.0513	U	5.00	mg/L	0.0500		103	80-120		
Duplicate (BIC3341-DUP1)			**Source: 25C3619-01**	Prepared: 03/27/2025 Analyzed: 03/29/2025						
Arsenic	0.0234	U	5.00	mg/L		0.0220			6.29	20
Barium	0.381	U	100	mg/L		0.381			0.0997	20
Cadmium	<1.00	U	1.00	mg/L		<1.00				20
Chromium	<5.00	U	5.00	mg/L		<5.00				20
Selenium	0.00681	U	1.00	mg/L		<1.00			200	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC3341 - EPA 200.2 TCLP (Continued)										
Duplicate (BIC3341-DUP2)		**Source: 25C3619-01**		Prepared: 03/27/2025 Analyzed: 04/01/2025						
Lead	<5.00	U	5.00	mg/L		<5.00				20
Silver	0.00202	U	5.00	mg/L		0.00175			14.3	20
BIC2996-LBK1 (BIC3341-LBK1)				Prepared: 03/27/2025 Analyzed: 03/29/2025						
Arsenic	0.00940	U	5.00	mg/L						
Barium	0.0220	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Chromium	<5.00	U	5.00	mg/L						
Selenium	0.00595	U	1.00	mg/L						
BIC2996-LBK1 (BIC3341-LBK2)				Prepared: 03/27/2025 Analyzed: 04/01/2025						
Lead	<5.00	U	5.00	mg/L						
Silver	<5.00	U	5.00	mg/L						
Matrix Spike (BIC3341-MS1)		**Source: 25C3619-01**		Prepared: 03/27/2025 Analyzed: 03/29/2025						
Arsenic	0.539	U	5.00	mg/L	0.500	0.0220	103	75-125		
Barium	0.900	U	100	mg/L	0.500	0.381	104	75-125		
Cadmium	0.0522	U	1.00	mg/L	0.0500	<1.00	104	75-125		
Chromium	0.245	U	5.00	mg/L	0.250	<5.00	97.9	75-125		
Selenium	0.516	U	1.00	mg/L	0.500	<1.00	103	75-125		
Matrix Spike (BIC3341-MS2)		**Source: 25C3619-01**		Prepared: 03/27/2025 Analyzed: 04/01/2025						
Lead	0.243	U	5.00	mg/L	0.250	<5.00	97.4	75-125		
Silver	0.0546	U	5.00	mg/L	0.0500	0.00175	106	75-125		
Post Spike (BIC3341-PS1)		**Source: 25C3619-01**		Prepared: 03/27/2025 Analyzed: 03/29/2025						
Arsenic	668	J1		ug/L	500	21.5	129	80-120		
Barium	978	J1		ug/L	500	371	121	80-120		
Cadmium	65.0	J1		ug/L	50.0	0.0780	130	80-120		
Chromium	311	J1		ug/L	250	-0.0488	124	80-120		
Selenium	642	J1		ug/L	500	5.05	127	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC3341 - EPA 200.2 TCLP (Continued)										
Post Spike (BIC3341-PS2)		**Source: 25C3619-01**			Prepared: 03/27/2025 Analyzed: 04/01/2025					
Lead	225			ug/L	250	2.63	88.9	80-120		
Silver	49.4			ug/L	50.0	1.71	95.3	80-120		
Dilution Check (BIC3341-SRL1)		**Source: 25C3619-01**			Prepared: 03/27/2025 Analyzed: 03/29/2025					
Arsenic	0.0517	U	5.00	mg/L		0.0220			80.6	10
Barium	0.491	J1, U	100	mg/L		0.381			25.2	10
Cadmium	<1.00	U	1.00	mg/L		<1.00				10
Chromium	<5.00	U	5.00	mg/L		<5.00				10
Selenium	0.0372	U	1.00	mg/L		<1.00			200	10
Dilution Check (BIC3341-SRL2)		**Source: 25C3619-01**			Prepared: 03/27/2025 Analyzed: 04/01/2025					
Lead	<5.00	U	5.00	mg/L		<5.00				10
Silver	<5.00	U	5.00	mg/L		<5.00			200	10
Batch: BIC3436 - SW-3511										
Blank (BIC3436-BLK1)					Prepared: 03/27/2025 Analyzed: 03/28/2025					
2,4,5-Trichlorophenol	<0.00125	U	0.00125	mg/L						
2,4,6-Trichlorophenol	<0.00125	U	0.00125	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00125	U	0.00125	mg/L						
2-Methylphenol (o-Cresol)	<0.00125	U	0.00125	mg/L						
3,4-Methylphenol	<0.00125	U	0.00125	mg/L						
Hexachlorobenzene	<0.00125	U	0.00125	mg/L						
Hexachlorobutadiene	<0.00125	U	0.00125	mg/L						
Hexachloroethane	<0.00125	U	0.00125	mg/L						
Nitrobenzene	<0.00125	U	0.00125	mg/L						
Pentachlorophenol	<0.00125	U	0.00125	mg/L						
Pyridine	<0.00125	U	0.00125	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.00971*	*mg/L*	*0.00998*		*97.3*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0197*	*mg/L*	*0.0200*		*98.9*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0172*	*mg/L*	*0.0200*		*86.3*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0107*	*mg/L*	*0.00998*		*108*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0217*	*mg/L*	*0.0200*		*108*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00718*	*mg/L*	*0.00998*		*71.9*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC3436 - SW-3511 (Continued)										
LCS (BIC3436-BS2)					Prepared: 03/27/2025 Analyzed: 03/28/2025					
2,4,5-Trichlorophenol	0.0196	U	400	mg/L	0.0200		98.0	60-140		
2,4,6-Trichlorophenol	0.0175	U	2.00	mg/L	0.0200		87.4	60-140		
2,4-Dinitrotoluene (2,4-DNT)	0.00758	U	0.130	mg/L	0.0100		75.8	60-140		
2-Methylphenol (o-Cresol)	0.0152	U	200	mg/L	0.0200		75.8	60-140		
3,4-Methylphenol	0.0311	U	200	mg/L	0.0400		77.7	60-140		
Hexachlorobenzene	0.00782	U	0.130	mg/L	0.0100		78.3	60-140		
Hexachlorobutadiene	0.00500	J1, U	0.500	mg/L	0.0100		50.0	60-140		
Hexachloroethane	0.00574	J1, U	3.00	mg/L	0.0100		57.4	60-140		
Nitrobenzene	0.00929	U	2.00	mg/L	0.0100		92.9	60-140		
Pentachlorophenol	0.0185	U	100	mg/L	0.0200		92.5	36.8-149		
Pyridine	0.0219	U	5.00	mg/L	0.0500		43.9	2.5-101		
Surrogate: 2-Fluorobiphenyl-surr			*0.00983*	*mg/L*	*0.0100*		*98.3*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0197*	*mg/L*	*0.0200*		*98.3*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0176*	*mg/L*	*0.0200*		*87.9*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0114*	*mg/L*	*0.0100*		*114*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0211*	*mg/L*	*0.0200*		*106*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00869*	*mg/L*	*0.0100*		*86.9*	*51.9-147*		
LCS Dup (BIC3436-BSD2)					Prepared: 03/27/2025 Analyzed: 03/28/2025					
2,4,5-Trichlorophenol	0.0190	U	400	mg/L	0.0199		95.3	60-140	3.02	40
2,4,6-Trichlorophenol	0.0170	U	2.00	mg/L	0.0199		85.3	60-140	2.70	40
2,4-Dinitrotoluene (2,4-DNT)	0.00809	U	0.130	mg/L	0.00997		81.1	60-140	6.53	40
2-Methylphenol (o-Cresol)	0.0152	U	200	mg/L	0.0199		76.2	60-140	0.269	40
3,4-Methylphenol	0.0315	U	200	mg/L	0.0399		79.1	60-140	1.58	40
Hexachlorobenzene	0.00797	U	0.130	mg/L	0.00997		80.0	60-140	1.91	40
Hexachlorobutadiene	0.00498	J1, U	0.500	mg/L	0.00997		49.9	60-140	0.502	40
Hexachloroethane	0.00583	J1, U	3.00	mg/L	0.00997		58.4	60-140	1.51	40
Nitrobenzene	0.00988	U	2.00	mg/L	0.00997		99.1	60-140	6.19	40
Pentachlorophenol	0.0176	U	100	mg/L	0.0199		88.4	36.8-149	4.79	40
Pyridine	0.0260	U	5.00	mg/L	0.0499		52.2	2.5-101	17.0	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00923*	*mg/L*	*0.00997*		*92.5*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0194*	*mg/L*	*0.0199*		*97.1*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0170*	*mg/L*	*0.0199*		*85.1*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0108*	*mg/L*	*0.00997*		*109*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0205*	*mg/L*	*0.0199*		*103*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00877*	*mg/L*	*0.00997*		*88.0*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC3436 - SW-3511 (Continued)										
BIC2568-BLK1 (BIC3436-LBK1)				Prepared: 03/27/2025 Analyzed: 03/29/2025						
2,4,5-Trichlorophenol	<0.00500	U	0.00500	mg/L						
2,4,6-Trichlorophenol	<0.00500	U	0.00500	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00500	U	0.00500	mg/L						
2-Methylphenol (o-Cresol)	<0.00500	U	0.00500	mg/L						
3,4-Methylphenol	0.00294	U	0.00500	mg/L						
Hexachlorobenzene	<0.00500	U	0.00500	mg/L						
Hexachlorobutadiene	<0.00500	U	0.00500	mg/L						
Hexachloroethane	<0.00500	U	0.00500	mg/L						
Nitrobenzene	<0.00500	U	0.00500	mg/L						
Pentachlorophenol	<0.00500	U	0.00500	mg/L						
Pyridine	<0.00500	U	0.00500	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0394*	*mg/L*	*0.0400*		*98.7*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0784*	*mg/L*	*0.0799*		*98.1*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0639*	*mg/L*	*0.0799*		*79.9*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0424*	*mg/L*	*0.0400*		*106*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0747*	*mg/L*	*0.0799*		*93.5*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0289*	*mg/L*	*0.0400*		*72.3*	*51.9-147*		
BIC2996-BLK1 (BIC3436-LBK2)				Prepared: 03/27/2025 Analyzed: 03/29/2025						
2,4,5-Trichlorophenol	<0.00496	U	0.00496	mg/L						
2,4,6-Trichlorophenol	<0.00496	U	0.00496	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.00496	U	0.00496	mg/L						
2-Methylphenol (o-Cresol)	<0.00496	U	0.00496	mg/L						
3,4-Methylphenol	0.00283	U	0.00496	mg/L						
Hexachlorobenzene	<0.00496	U	0.00496	mg/L						
Hexachlorobutadiene	<0.00496	U	0.00496	mg/L						
Hexachloroethane	<0.00496	U	0.00496	mg/L						
Nitrobenzene	<0.00496	U	0.00496	mg/L						
Pentachlorophenol	<0.00496	U	0.00496	mg/L						
Pyridine	<0.00496	U	0.00496	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0377*	*mg/L*	*0.0397*		*95.1*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0817*	*mg/L*	*0.0794*		*103*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0602*	*mg/L*	*0.0794*		*75.9*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0435*	*mg/L*	*0.0397*		*110*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0796*	*mg/L*	*0.0794*		*100*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0316*	*mg/L*	*0.0397*		*79.7*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC3436 - SW-3511 (Continued)										
MRL Check (BIC3436-MRL2)					Prepared: 03/27/2025 Analyzed: 03/28/2025					
2,4,5-Trichlorophenol	0.000925	U	400	mg/L	0.000999		92.6			
2,4,6-Trichlorophenol	0.00118	U	2.00	mg/L	0.000999		118			
2,4-Dinitrotoluene (2,4-DNT)	0.000653	U	0.130	mg/L	0.000500		131			
2-Methylphenol (o-Cresol)	0.000965	U	200	mg/L	0.000999		96.6			
3,4-Methylphenol	0.00206	U	200	mg/L	0.00200		103			
Hexachlorobenzene	0.000420	U	0.130	mg/L	0.000500		84.2			
Hexachlorobutadiene	0.000330	U	0.500	mg/L	0.000500		66.1			
Hexachloroethane	0.000170	U	3.00	mg/L	0.000500		34.1			
Nitrobenzene	0.000575	U	2.00	mg/L	0.000500		115			
Pentachlorophenol	0.00112	U	100	mg/L	0.000999		112			
Pyridine	<5.00	J1, U	5.00	mg/L	0.00250					
Surrogate: 2-Fluorobiphenyl-surr			*0.00948*	*mg/L*	*0.00999*		*94.9*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0199*	*mg/L*	*0.0200*		*99.4*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0169*	*mg/L*	*0.0200*		*84.5*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0105*	*mg/L*	*0.00999*		*105*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0212*	*mg/L*	*0.0200*		*106*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00754*	*mg/L*	*0.00999*		*75.5*	*51.9-147*		
Matrix Spike (BIC3436-MS1)			**Source: 25C2480-17**		Prepared: 03/27/2025 Analyzed: 03/28/2025					
2,4,5-Trichlorophenol	0.0199	U	400	mg/L	0.0200	<400	99.6	44.9-171		
2,4,6-Trichlorophenol	0.0183	U	2.00	mg/L	0.0200	<2.00	91.4	34.7-143		
2,4-Dinitrotoluene (2,4-DNT)	0.00850	U	0.130	mg/L	0.00998	<0.130	85.1	50.3-144		
2-Methylphenol (o-Cresol)	0.0167	U	200	mg/L	0.0200	<200	83.7	60-140		
3,4-Methylphenol	0.0322	U	200	mg/L	0.0399	<200	80.7	43.4-188		
Hexachlorobenzene	0.00758	U	0.130	mg/L	0.00998	<0.130	76.0	56.1-137		
Hexachlorobutadiene	0.00512	U	0.500	mg/L	0.00998	<0.500	51.2	33.1-110		
Hexachloroethane	0.00608	U	3.00	mg/L	0.00998	<3.00	60.9	36.2-106		
Nitrobenzene	0.00974	U	2.00	mg/L	0.00998	<2.00	97.6	54.9-156		
Pentachlorophenol	0.0202	U	100	mg/L	0.0200	<100	101	42.2-151		
Pyridine	0.0324	U	5.00	mg/L	0.0499	<5.00	64.9	2-87.4		
Surrogate: 2-Fluorobiphenyl-surr			*0.00943*	*mg/L*	*0.00998*		*94.5*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0204*	*mg/L*	*0.0200*		*102*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0190*	*mg/L*	*0.0200*		*95.2*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0114*	*mg/L*	*0.00998*		*115*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0213*	*mg/L*	*0.0200*		*107*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00869*	*mg/L*	*0.00998*		*87.1*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC3436 - SW-3511 (Continued)										
Matrix Spike Dup (BIC3436-MSD1)			**Source: 25C2480-17**		Prepared: 03/27/2025 Analyzed: 03/28/2025					
2,4,5-Trichlorophenol	0.0204	U	400	mg/L	0.0200	<400	102	44.9-171	2.53	40
2,4,6-Trichlorophenol	0.0186	U	2.00	mg/L	0.0200	<2.00	93.0	34.7-143	1.67	40
2,4-Dinitrotoluene (2,4-DNT)	0.00868	U	0.130	mg/L	0.00998	<0.130	87.0	50.3-144	2.17	40
2-Methylphenol (o-Cresol)	0.0164	U	200	mg/L	0.0200	<200	82.0	60-140	2.05	40
3,4-Methylphenol	0.0321	U	200	mg/L	0.0399	<200	80.4	43.4-188	0.322	40
Hexachlorobenzene	0.00772	U	0.130	mg/L	0.00998	<0.130	77.3	56.1-137	1.74	40
Hexachlorobutadiene	0.00502	U	0.500	mg/L	0.00998	<0.500	50.3	33.1-110	1.85	40
Hexachloroethane	0.00608	U	3.00	mg/L	0.00998	<3.00	60.9	36.2-106	0.0183	40
Nitrobenzene	0.00945	U	2.00	mg/L	0.00998	<2.00	94.7	54.9-156	2.98	40
Pentachlorophenol	0.0194	U	100	mg/L	0.0200	<100	97.1	42.2-151	4.07	40
Pyridine	0.0316	U	5.00	mg/L	0.0499	<5.00	63.3	2-87.4	2.49	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00941*	*mg/L*	*0.00998*		*94.3*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0203*	*mg/L*	*0.0200*		*102*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0181*	*mg/L*	*0.0200*		*90.6*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0116*	*mg/L*	*0.00998*		*117*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0215*	*mg/L*	*0.0200*		*108*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00865*	*mg/L*	*0.00998*		*86.6*	*51.9-147*		
Batch: BID0378 - SW-7471 TCLP										
Duplicate (BID0378-DUP1)			**Source: 25C3619-01**		Prepared & Analyzed: 04/03/2025					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
BIC2996-BLK1 (BID0378-LBK1)					Prepared & Analyzed: 04/03/2025					
Mercury	<0.200	U	0.200	mg/L						
BID0006-BLK1 (BID0378-LBK2)					Prepared & Analyzed: 04/03/2025					
Mercury	<0.200	U	0.200	mg/L						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BID0378 - SW-7471 TCLP (Continued)										
MDL Check (BID0378-MRL1)					Prepared & Analyzed: 04/03/2025					
Mercury	0.000249	U	0.200	mg/L	0.000200		124			
Matrix Spike (BID0378-MS1)		**Source: 25C3619-01**			Prepared & Analyzed: 04/03/2025					
Mercury	0.00507	U	0.200	mg/L	0.00500	<0.200	101	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Sample Condition Checklist

Work Order: 25C3769

Check Points	
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C25-00094

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
04/11/2025 07:17

Term and Qualifier Definitions

Item	Definition
CQ	The method required frequency of the matrix spike and matrix spike duplicate was not met due to analyst error. Lab precision demonstrated through LCS/LCSD.
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
S	The surrogate recovery was outside the established laboratory recovery limit.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

25C3769

Lab PM : Aundra Noe	**Project Name** : West Memorial MUD - Non Potable - PCB - TCLP	**Schedule Comments:**
Inframark Patrick Bond 32259 Morton Road Brookshire, TX 77423 Phone: (281) 505-0452	**Project Comments**: 22023 Kingsland Blvd - Katy 77450 John McCarthy Lead Op 346-307-6821 Greg Prudhomme - 281-917-9262 Codes - 1960 - Sampler Combo - 000	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
25C3769-01	Digester		3/20/2025 11:30	S Grab	A Glass 250mL w/ Teflon-lined Lid B Glass Wide 1L w/ Teflon-lined Lid C Glass VOA 60mL Protocol A	Arsenic ICP TCLP 4°C Barium ICP TCLP 4°C Cadmium ICP TCLP 4°C Chromium ICP TCLP 4°C Hg-7471-TCLP 4°C Lead ICP TCLP 4°C Selenium ICP TCLP 4°C Silver ICP TCLP 4°C HERB-TCLP 4°C OCP-8081-TCLP 4°C PCB-8082 4°C SVOA-TCLP 4°C TCLP Bottle 4°C TCLP ZHE 4°C VOA-TCLP 4°C TS-2540 G 4°C	

Field Remarks:

Lab Preservation: (Circle and Write ID Below) H2SO4 HNO3 NaOH Other: _____

Sampler (Signature) Jimmy Andara	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature)	Date/Time 3-20-25/16:05	Received for Laboratory By: (Signature)	Date/Time 1605 03.20.25

Custody Seal : Yes / No
COC Labels Agree: Yes / No
Appropriate Volume: Yes / No
Received on Ice: Yes / No
Temperature: _____ °C

Container Intact : Yes / No
Appropriate Containers: Yes / No
Coolers Intact: Yes / No
Samples Accepted: Yes / No
Thermometer ID: _____

Katy South

West Park
WWTP

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

April 30, 2024

LABORATORY REPORT

Natalia Espitia
H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Report ID: 20240430160021Sta..

RE: West Park MUD - Non Potable - Class B Annual

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,

Stations For Deena Higginbotham
Director of Client Services

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

H2O Innovation_Spring	Project: West Park MUD - Non Potable - Class B Annual	
P.O. Box 2718	Project Number: 33	**Reported:**
Spring, TX 77383	Project Manager: Natalia Espitia	04/30/2024 16:00

Sample Results

Client Sample ID: Digester 1
Lab Sample ID: 24D5065-01

Sample Matrix: Sludge
Date Collected: 04/23/2024 10:15
Collected by: James Jackson

Method	Analyte	Result	Q	Units	Batch	Date Analyzed	Analyst
Colilert-18	Fecal coliforms	75000		MPN/g TS dry	BHD4007	04/24/2024 10:55	JKB
Colilert-18	Fecal coliforms	55100		MPN/g TS dry	BHD4007	04/24/2024 10:55	JKB
Colilert-18	Fecal coliforms	55100		MPN/g TS dry	BHD4007	04/24/2024 10:55	JKB
Colilert-18	Fecal coliforms	52000		MPN/g TS dry	BHD4007	04/24/2024 10:55	JKB
Colilert-18	Fecal coliforms	50900		MPN/g TS dry	BHD4007	04/24/2024 10:55	JKB
Colilert-18	Fecal coliforms	49500		MPN/g TS dry	BHD4007	04/24/2024 10:55	JKB
Colilert-18	Fecal coliforms	66400		MPN/g TS dry	BHD4007	04/24/2024 10:55	JKB
SM 2710 B	Specific Oxygen Uptake Rate (SOUR)	0.221		mg O2/hr/g TS @ 20°C dry	BHD4051	04/23/2024 16:55	AKA
SM 2550 B	Temperature °C Field	23.5		°C	BHD4131	04/23/2024 10:15	JRJ
SM 2540 G	% Solids	1.48		%	BHD3999	04/24/2024 09:57	ENR

The total solids is diluted to <=2.0% for the S.O.U.R. test when necessary.

CLASS B - Pass

Per Title 30, Texas Administrative Code, Chapter 312, for a Class B to pass, the fecal coliform geometric mean must be less than or equal to 2,000,000 CFU/ug TS and the S.O.U.R must be less than or equal to 1.5 mg O2/hr/g TS.

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

H2O Innovation_Spring	Project: West Park MUD - Non Potable - Class B Annual	
P.O. Box 2718	Project Number: 33	**Reported:**
Spring, TX 77383	Project Manager: Natalia Espitia	04/30/2024 16:00

Quality Control

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD3999 - Percent Solids										
Blank (BHD3999-BLK1)					Prepared: 4/23/2024 Analyzed: 4/24/2024					
% Solids	<0.100	U	0.100	%						
Duplicate (BHD3999-DUP1)			**Source: 24D4972-01**		Prepared: 4/23/2024 Analyzed: 4/24/2024					
% Solids			0.100	%		2.31			4.00	10
Duplicate (BHD3999-DUP2)			**Source: 24D5066-08**		Prepared: 4/23/2024 Analyzed: 4/24/2024					
% Solids			0.100	%		0.648			0.0534	20
Reference (BHD3999-SRM1)					Prepared: 4/23/2024 Analyzed: 4/24/2024					
% Solids			0.100	%	0.350		107	78.9-118		

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

H2O Innovation_Spring	Project: West Park MUD - Non Potable - Class B Annual	
P.O. Box 2718	Project Number: 33	**Reported:**
Spring, TX 77383	Project Manager: Natalia Espitia	04/30/2024 16:00

Quality Control
(Continued)

Microbiology

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD4007 - FC Quantitray										
Blank (BHD4007-BLK1)				Prepared: 4/23/2024 Analyzed: 4/24/2024						
Fecal coliforms	<10.0	U	10.0	MPN/g TS wet						
Duplicate (BHD4007-DUP1)	**Source: 24D5065-01**			Prepared: 4/23/2024 Analyzed: 4/24/2024						
Fecal coliforms			675	MPN/g TS dry		75000			32.9	200

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

H2O Innovation_Spring	Project: West Park MUD - Non Potable - Class B Annual	
P.O. Box 2718	Project Number: 33	**Reported:**
Spring, TX 77383	Project Manager: Natalia Espitia	04/30/2024 16:00

Term and Qualfier Definitions

Item	Definition
U	Non-detected compound.
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated

CHAIN OF CUSTODY RECORD

NWDLS North Water District Laboratory Services, Inc

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00086

24D5065

Lab PM : Deena Higginbotham	**Project Name** : West Park MUD - Non Potable - Class B Annual	**Schedule Comments**:
H2O Innovation_Spring Natalia Espitia P.O. Box 2718 Spring, TX 77383 Phone: 281-353-9809	**Project Comments**: 19306 Katy Fwy combo 0437 Jerry - 832-610-5423	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24D5065-01	Digester 1		4/23/2024 1015	S Grab	A HDPE S150mL Na2S2O3 B HDPE S150mL Na2S2O3 C HDPE S150mL Na2S2O3 D HDPE S150mL Na2S2O3 E HDPE S150mL Na2S2O3 F HDPE S150mL Na2S2O3 G HDPE S150mL Na2S2O3 H HDPE 1L I HDPE 250mL	FC/CB-QT-LR SOUR-2710 SOUR TS-2540 G TS-2540 G	Na2S2O3 <10°C 4°C 4°C 4°C	Temp C Field 23.5

Field Remarks:

Lab Preservation: (Circle and Write ID Below) H2SO4 HNO3 NaOH Other: _____

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: James J	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 4/23/24 1342	Received for Laboratory By: (Signature)	Date/Time 4/23/24 1342

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: _____ °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID: _____

Katy North

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com

October 28, 2024

Laboratory Report

Natalia Espitia
H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Report ID: 20241028151812AEN

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Aundra Noe For Deena Higginbotham
Director of Client Services

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Sample Results

Client Sample ID: Digester 1
Lab Sample ID: 24D5067-01
West Park MUD - Sewage Sludge Annual 33

Sample Matrix: Sludge
Date Collected: 04/23/2024 10:15
Collected by: James Jackson

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Organics by GC											
SW-8082	PCBs, Total	A	<0.397	U, TV	mg/kg (dry wt) dry	10	0.0113	0.397	BHD5052	05/14/2024 07:46	CDG
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*67.8%*		*60-140*					*05/14/2024 07:46*	
SW-8082	*Surrogate: Decachlorobiphenyl-surr*		*86.0%*		*60-140*					*05/14/2024 07:46*	
Metals, Total											
SW-6010C	Arsenic	A	9.29		mg/kg dry	1	0.496	2.26	BHE0411	05/16/2024 16:25	TBB
SW-6010C	Cadmium	A	0.355		mg/kg dry	1	0.0587	0.226	BHE0411	05/16/2024 16:25	TBB
SW-6010C	Chromium	A	<22.7	U, TV	mg/kg dry	20	17.0	22.7	BHE0411	05/16/2024 13:32	TBB
SW-6010C	Copper	A	85.8		mg/kg dry	20	4.83	45.2	BHE0411	05/16/2024 13:32	TBB
SW-7471B	Mercury	A	0.334		mg/kg dry	1	0.0136	0.0271	BHD5082	05/01/2024 16:38	ISS
SW-6010C	Lead	A	6.40		mg/kg dry	1	0.576	1.13	BHE0411	05/30/2024 16:16	TBB
SW-6010C	Molybdenum	A	<22.7	U, TV	mg/kg dry	20	22.7	22.7	BHE0411	05/16/2024 13:32	TBB
SW-6010C	Nickel	A	<22.7	U, TV	mg/kg dry	20	6.11	22.7	BHE0411	05/16/2024 13:32	TBB
SW-6010C	Potassium	A	1730		mg/kg dry	1	19.4	226	BHE0411	05/16/2024 16:25	TBB
SW-6010C	Selenium	A	2.26		mg/kg dry	1	0.882	2.26	BHE0411	05/16/2024 16:25	TBB
SW-6010C	Total Phosphorus	A	6290		mg/kg dry	20	190	4520	BHE0411	05/16/2024 13:32	TBB
SW-6010C	Zinc	A	1320		mg/kg dry	25	28.3	28.3	BHE0411	05/30/2024 17:25	TBB
General Chemistry											
EPA 350.2	Ammonia as N	A	11100		mg/kg dry	1	675	1350	BHE0160	05/02/2024 08:22	GIW
SW-9056A	Nitrate as N	A	124		mg/kg dry	1	3.40	8.49	BHD4216	04/24/2024 17:03	ORP
EPA 351.3	Total Kjeldahl Nitrogen - (TKN)	N	71200		mg/kg dry	1	1630	1630	BHD5090	05/01/2024 12:18	GIW
SM 2540 G	% Solids	A	1.47		%	1	0.100	0.100	BHD3999	04/24/2024 09:57	ENR
TCLP											
SW-6010C	Arsenic	A	<5.00	U, TV	mg/L	1	0.00367	5.00	BHE2239	06/12/2024 18:20	TBB
SW-6010C	Barium	A	<100	U, TV	mg/L	5	0.00625	100	BHE2239	06/12/2024 19:38	TBB
SW-6010C	Cadmium	A	<1.00	U, TV	mg/L	1	0.000423	1.00	BHE2239	06/12/2024 18:20	TBB
SW-6010C	Chromium	A	<5.00	U, TV	mg/L	1	0.00131	5.00	BHE2239	06/12/2024 18:20	TBB
SW-8151	2,4-D	A	<10.0	C+, U, TV	mg/L	2	0.000476	10.0	BHE1049	06/07/2024 19:28	cdg
SW-8151	Silvex (2,4,5-TP)	A	<1.00	C+, U, TV	mg/L	2	0.000476	1.00	BHE1049	06/07/2024 19:28	cdg

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Sample Results
(Continued)

Client Sample ID: Digester 1 (Continued)
Lab Sample ID: 24D5067-01
West Park MUD - Sewage Sludge Annual 33

Sample Matrix: Sludge
Date Collected: 04/23/2024 10:15
Collected by: James Jackson

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8151	*Surrogate: DCAA-surr*		*134%*	*S, TV*	*70-130*					*06/07/2024 19:28*	
SW-7471B	Mercury	A	<0.200	U, TV	mg/L	1	0.000200	0.200	BHE0010	05/06/2024 15:41	ISS
SW-6010C	Lead	A	<5.00	U, TV	mg/L	1	0.00341	5.00	BHE2239	06/13/2024 17:28	TBB
SW-8081	Toxaphene (Chlorinated Camphene)	A	<0.500	U, TV	mg/L	1	3.00E-6	0.500	BHE0407	05/20/2024 07:03	KRB
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*75.7%*		*60-140*					*05/20/2024 07:03*	
SW-8081	*Surrogate: Decachlorobiphenyl-surr*		*82.7%*		*60-140*					*05/20/2024 07:03*	
SW-6010C	Selenium	A	<1.00	U, TV	mg/L	1	0.00531	1.00	BHE2239	06/12/2024 18:20	TBB
SW-6010C	Silver	A	<5.00	U, TV	mg/L	1	0.00142	5.00	BHE2239	06/12/2024 18:20	TBB
SW-8270	2-Methylphenol		<200	U, TV	mg/L	1	0.00250	200	BHE0409	05/14/2024 04:26	KRB
SW-8270	2,4,5-Trichlorophenol	A	<400	U, TV	mg/L	1	0.00250	400	BHE0409	05/14/2024 04:26	KRB
SW-8270	2,4,6-Trichlorophenol	A	<2.00	U, TV	mg/L	1	0.00250	2.00	BHE0409	05/14/2024 04:26	KRB
SW-8270	2,4-Dinitrotoluene (2,4-DNT)	A	<0.130	U, TV	mg/L	1	0.00250	0.130	BHE0409	05/14/2024 04:26	KRB
SW-8270	3,4-Methylphenol	A	<200	U, TV	mg/L	1	0.00250	200	BHE0409	05/14/2024 04:26	KRB
SW-8270	Hexachlorobenzene	A	<0.130	U, TV	mg/L	1	0.00250	0.130	BHE0409	05/14/2024 04:26	KRB
SW-8270	Hexachlorobutadiene	A	<0.500	U, TV	mg/L	1	0.00250	0.500	BHE0409	05/14/2024 04:26	KRB
SW-8270	Hexachloroethane	A	<3.00	U, TV	mg/L	1	0.00250	3.00	BHE0409	05/14/2024 04:26	KRB
SW-8270	Nitrobenzene	A	<2.00	U, TV	mg/L	1	0.00250	2.00	BHE0409	05/14/2024 04:26	KRB
SW-8270	Pentachlorophenol	A	<100	U, TV	mg/L	1	0.00250	100	BHE0409	05/14/2024 04:26	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*		*96.7%*		*54.6-148*					*05/14/2024 04:26*	
SW-8270	*Surrogate: 2-Fluorophenol-surr*		*114%*		*55-152*					*05/14/2024 04:26*	
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*		*118%*		*52.4-136*					*05/14/2024 04:26*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr*		*119%*		*52-162*					*05/14/2024 04:26*	
SW-8270	*Surrogate: Phenol-d5-surr*		*116%*		*58.7-152*					*05/14/2024 04:26*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr*		*100%*		*51.9-147*					*05/14/2024 04:26*	
SW-8260	1,1-Dichloroethylene	A	<0.700	U, TV	mg/L	10	0.00849	0.700	BHD5085	05/01/2024 15:18	DDB
SW-8260	1,2-Dichloroethane (Ethylene dichloride)	A	<0.500	U, TV	mg/L	10	0.00870	0.500	BHD5085	05/01/2024 15:18	DDB
SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<7.50	U, TV	mg/L	10	0.00641	7.50	BHD5085	05/01/2024 15:18	DDB

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Sample Results
(Continued)

Client Sample ID: Digester 1 (Continued)
Lab Sample ID: 24D5067-01
West Park MUD - Sewage Sludge Annual 33

Sample Matrix: Sludge
Date Collected: 04/23/2024 10:15
Collected by: James Jackson

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP (Continued)											
SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	A	<200	U, TV	mg/L	10	0.0738	200	BHD5085	05/01/2024 15:18	DDB
SW-8260	Benzene	A	<0.500	U, TV	mg/L	10	0.00604	0.500	BHD5085	05/01/2024 15:18	DDB
SW-8260	Carbon tetrachloride	A	<0.500	U, TV	mg/L	10	0.00500	0.500	BHD5085	05/01/2024 15:18	DDB
SW-8260	Chlorobenzene	A	<100	U, TV	mg/L	10	0.00724	100	BHD5085	05/01/2024 15:18	DDB
SW-8260	Chloroform	A	<6.00	U, TV	mg/L	10	0.00688	6.00	BHD5085	05/01/2024 15:18	DDB
SW-8260	Tetrachloroethylene (Perchloroethylene)	A	<0.700	U, TV	mg/L	10	0.00703	0.700	BHD5085	05/01/2024 15:18	DDB
SW-8260	Trichloroethene (Trichloroethylene)	A	<0.500	U, TV	mg/L	10	0.00744	0.500	BHD5085	05/01/2024 15:18	DDB
SW-8260	Vinyl chloride (Chloroethene)	A	<0.200	U, TV	mg/L	10	0.0130	0.200	BHD5085	05/01/2024 15:18	DDB
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*		*100%*		*70-130*					*05/01/2024 15:18*	
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*		*94.9%*		*70-130*					*05/01/2024 15:18*	
SW-8260	*Surrogate: Toluene-d8-surr*		*97.3%*		*70-130*					*05/01/2024 15:18*	
SW-8260	*Surrogate: Dibromofluoromethane-surr*		*101%*		*70-130*					*05/01/2024 15:18*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Sample Results
(Continued)

Client Sample ID: Digester 1
Lab Sample ID: 24D5067-01RE1
West Park MUD - Sewage Sludge Annual 33

Sample Matrix: Sludge
Date Collected: 04/23/2024 10:15
Collected by: James Jackson

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
TCLP											
SW-8081	Chlordane (Total) (Rerun)	A	<0.0300	U, TV	mg/L	1	3.00E-6	0.0300	BHE0407	05/21/2024 03:48	KRB
SW-8081	Endrin (Rerun)	N	<0.0200	U, TV	mg/L	1	3.00E-6	0.0200	BHE0407	05/21/2024 03:48	KRB
SW-8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) (Rerun)	A	<0.400	U, TV	mg/L	1	3.00E-6	0.400	BHE0407	05/21/2024 03:48	KRB
SW-8081	Heptachlor (Rerun)	A	<0.00800	U, TV	mg/L	1	3.00E-6	0.00800	BHE0407	05/21/2024 03:48	KRB
SW-8081	Heptachlor epoxide (Rerun)	A	<0.00800	U, TV	mg/L	1	3.00E-6	0.00800	BHE0407	05/21/2024 03:48	KRB
SW-8081	Methoxychlor (Rerun)	A	<10.0	U, TV	mg/L	1	3.00E-6	10.0	BHE0407	05/21/2024 03:48	KRB
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*		*65.7%*		*60-140*					*05/21/2024 03:48*	
SW-8081	*Surrogate: Decachlorobiphenyl-surr (Rerun)*		*71.2%*		*60-140*					*05/21/2024 03:48*	
SW-8270	Pyridine (Rerun)	A	<5.00	U, TV	mg/L	1	0.00250	5.00	BHE0409	05/16/2024 00:56	KRB
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr (Rerun)*		*88.8%*		*54.6-148*					*05/16/2024 00:56*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr (Rerun)*		*109%*		*52-162*					*05/16/2024 00:56*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr (Rerun)*		*103%*		*51.9-147*					*05/16/2024 00:56*	

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD5052 - SW-3570										
MB PCB SLUDGE (BHD5052-BLK1)				Prepared: 4/30/2024 Analyzed: 5/14/2024						
PCBs, Total	<0.00591	U	0.00591	mg/kg (dry wt) wet						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr		*S*	*0.00347*	*mg/kg (dry wt) wet*	*0.00591*		*58.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.00513*	*mg/kg (dry wt) wet*	*0.00591*		*86.7*	*60-140*		
BS PCB SLUDGE (BHD5052-BS1)				Prepared: 4/30/2024 Analyzed: 5/14/2024						
Aroclor-1016 (PCB-1016)	0.0431		0.00584	mg/kg (dry wt) wet	0.0584		73.8	60-140		
Aroclor-1260 (PCB-1260)	0.0475		0.00584	mg/kg (dry wt) wet	0.0584		81.3	60-140		
PCBs, Total	0.0453		0.00584	mg/kg (dry wt) wet	0.0584		77.5	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr		*S*	*0.00344*	*mg/kg (dry wt) wet*	*0.00584*		*58.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.00504*	*mg/kg (dry wt) wet*	*0.00584*		*86.3*	*60-140*		
BSD PCB SLUDGE (BHD5052-BSD1)				Prepared: 4/30/2024 Analyzed: 5/14/2024						
Aroclor-1016 (PCB-1016)	0.0416		0.00585	mg/kg (dry wt) wet	0.0585		71.1	60-140	3.56	40
Aroclor-1260 (PCB-1260)	0.0448		0.00585	mg/kg (dry wt) wet	0.0585		76.5	60-140	5.87	40
PCBs, Total	0.0432		0.00585	mg/kg (dry wt) wet	0.0585		73.8	60-140	4.76	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr		*S*	*0.00327*	*mg/kg (dry wt) wet*	*0.00585*		*55.9*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.00467*	*mg/kg (dry wt) wet*	*0.00585*		*79.8*	*60-140*		
24C0735-01 MS (BHD5052-MS1)		**Source: 24C0735-01**		Prepared: 4/30/2024 Analyzed: 5/14/2024						
Aroclor-1016 (PCB-1016)	3.31		0.429	mg/kg (dry wt) dry	4.29	<0.429	77.0	60-140		
Aroclor-1260 (PCB-1260)	3.00		0.429	mg/kg (dry wt) dry	4.29	<0.429	69.9	60-140		
PCBs, Total	3.15		0.429	mg/kg (dry wt) dry	4.29	<0.429	73.5	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.287*	*mg/kg (dry wt) dry*	*0.429*		*66.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.348*	*mg/kg (dry wt) dry*	*0.429*		*81.1*	*60-140*		
24C0735-01 MSD (BHD5052-MSD1)		**Source: 24C0735-01**		Prepared: 4/30/2024 Analyzed: 5/14/2024						
Aroclor-1016 (PCB-1016)	2.89		0.407	mg/kg (dry wt) dry	4.07	<0.407	71.0	60-140	13.4	40
Aroclor-1260 (PCB-1260)	3.08		0.407	mg/kg (dry wt) dry	4.07	<0.407	75.6	60-140	2.61	40

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD5052 - SW-3570 (Continued)										
24C0735-01 MSD (BHD5052-MSD1)			**Source: 24C0735-01**		Prepared: 4/30/2024 Analyzed: 5/14/2024					
PCBs, Total	3.10		0.407	mg/kg (dry wt) dry	4.07	<0.407	76.1	60-140	1.79	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.261*	*mg/kg (dry wt) dry*	*0.407*		*64.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.330*	*mg/kg (dry wt) dry*	*0.407*		*81.2*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD5082 - SW-7471										
MDL Check (BHD5082-MRL1)					Prepared & Analyzed: 5/1/2024					
Mercury	0.0108	U	0.0198	mg/kg wet	0.00992		108			
Matrix Spike (BHD5082-MS1)		**Source: 24C0735-01**			Prepared & Analyzed: 5/1/2024					
Mercury	0.449		0.0290	mg/kg dry	0.362	0.125	89.7	80-120		
Matrix Spike Dup (BHD5082-MSD1)		**Source: 24C0735-01**			Prepared & Analyzed: 5/1/2024					
Mercury	0.468		0.0290	mg/kg dry	0.362	0.125	94.9	80-120	4.06	20
Batch: BHE0411 - SW-3050 for 6010										
Blank (BHE0411-BLK1)					Prepared: 5/2/2024 Analyzed: 5/15/2024					
Arsenic	<0.0333	U	0.0333	mg/kg wet						
Cadmium	<0.00333	U	0.00333	mg/kg wet						
Chromium	<0.0167	U	0.0167	mg/kg wet						
Copper	<0.0333	U	0.0333	mg/kg wet						
Molybdenum	<0.0167	U	0.0167	mg/kg wet						
Nickel	<0.0167	U	0.0167	mg/kg wet						
Selenium	<0.0333	U	0.0333	mg/kg wet						
Total Phosphorus	<3.33	U	3.33	mg/kg wet						
Zinc	<0.0167	U	0.0167	mg/kg wet						
Blank (BHE0411-BLK2)					Prepared: 5/2/2024 Analyzed: 5/16/2024					
Lead	<0.0167	U	0.0167	mg/kg wet						
Potassium	<3.33	U	3.33	mg/kg wet						
LCS (BHE0411-BS1)					Prepared: 5/2/2024 Analyzed: 5/15/2024					
Arsenic	0.845		0.0333	mg/kg wet	0.833		101	80-120		
Cadmium	0.0837		0.00333	mg/kg wet	0.0833		100	80-120		
Chromium	0.417		0.0167	mg/kg wet	0.417		100	80-120		
Copper	0.821		0.0333	mg/kg wet	0.833		98.5	80-120		
Molybdenum	0.405		0.0167	mg/kg wet	0.417		97.2	80-120		
Nickel	0.414		0.0167	mg/kg wet	0.417		99.3	80-120		
Selenium	0.818		0.0333	mg/kg wet	0.833		98.2	80-120		
Total Phosphorus	81.5		3.33	mg/kg wet	83.3		97.8	80-120		
Zinc	0.421		0.0167	mg/kg wet	0.417		101	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE0411 - SW-3050 for 6010 (Continued)										
LCS (BHE0411-BS2)					Prepared: 5/2/2024 Analyzed: 5/16/2024					
Lead	0.435		0.0167	mg/kg wet	0.417		104	80-120		
Potassium	84.1		3.33	mg/kg wet	83.3		101	80-120		
Matrix Spike (BHE0411-MS1)		**Source: 24D6173-02**			Prepared: 5/2/2024 Analyzed: 5/15/2024					
Arsenic	26.8	J1	1.71	mg/kg dry	42.8	2.39	57.1	75-125		
Cadmium	3.28	J1	0.171	mg/kg dry	4.28	0.409	67.0	75-125		
Chromium	16.8	J1	0.857	mg/kg dry	21.4	7.66	42.8	75-125		
Molybdenum	13.9	J1	0.857	mg/kg dry	21.4	3.14	50.2	75-125		
Nickel	14.7	J1	0.857	mg/kg dry	21.4	5.74	41.8	75-125		
Selenium	27.9	J1	1.71	mg/kg dry	42.8	2.23	60.0	75-125		
Matrix Spike (BHE0411-MS2)		**Source: 24D2601-02**			Prepared: 5/2/2024 Analyzed: 5/15/2024					
Selenium	50.6	J1	2.33	mg/kg dry	58.3	7.61	73.7	75-125		
Matrix Spike (BHE0411-MS3)		**Source: 24D6173-02**			Prepared: 5/2/2024 Analyzed: 5/16/2024					
Lead	21.3	J1	0.857	mg/kg dry	21.4	9.99	52.7	75-125		
Potassium	3700	J1	171	mg/kg dry	4280	1580	49.5	75-125		
Matrix Spike (BHE0411-MS4)		**Source: 24D2601-02**			Prepared: 5/2/2024 Analyzed: 5/16/2024					
Potassium	7820		233	mg/kg dry	5830	3070	81.3	75-125		
Matrix Spike (BHE0411-MS5)		**Source: 24D6173-02**			Prepared: 5/2/2024 Analyzed: 5/16/2024					
Copper	586	J1	17.1	mg/kg dry	898	173	46.0	75-125		
Total Phosphorus	10000	J1	1710	mg/kg dry	8560	6110	45.5	75-125		
Zinc	1010	J1	42.9	mg/kg dry	877	621	44.3	75-125		
Matrix Spike (BHE0411-MS6)		**Source: 24D2601-02**			Prepared: 5/2/2024 Analyzed: 5/16/2024					
Chromium	33.5	J1	11.7	mg/kg dry	29.2	18.6	51.3	75-125		
Copper	980	J1	23.3	mg/kg dry	1220	213	62.6	75-125		
Molybdenum	26.6		11.7	mg/kg dry	29.2	<11.7	91.2	75-125		
Nickel	28.1	J1	11.7	mg/kg dry	29.2	18.1	34.5	75-125		
Total Phosphorus	18600	J1	2330	mg/kg dry	11700	10100	73.1	75-125		
Zinc	1680	J1	58.4	mg/kg dry	1200	1110	47.5	75-125		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE0411 - SW-3050 for 6010 (Continued)										
Matrix Spike (BHE0411-MS9)	**Source: 24D2601-02**				Prepared: 5/2/2024 Analyzed: 5/30/2024					
Arsenic	72.0		2.33	mg/kg dry	58.3	7.70	110	75-125		
Cadmium	7.33		0.233	mg/kg dry	5.83	1.20	105	75-125		
Lead	45.7		1.17	mg/kg dry	29.2	23.7	75.4	75-125		
Matrix Spike Dup (BHE0411-MSD1)	**Source: 24D6173-02**				Prepared: 5/2/2024 Analyzed: 5/15/2024					
Arsenic	28.5	J1	1.71	mg/kg dry	42.8	2.39	60.9	75-125	5.95	20
Cadmium	3.41	J1	0.171	mg/kg dry	4.28	0.409	70.2	75-125	4.06	20
Chromium	17.4	J1	0.858	mg/kg dry	21.4	7.66	45.5	75-125	3.33	20
Molybdenum	14.3	J1	0.858	mg/kg dry	21.4	3.14	52.3	75-125	3.15	20
Nickel	15.4	J1	0.858	mg/kg dry	21.4	5.74	45.1	75-125	4.79	20
Matrix Spike Dup (BHE0411-MSD3)	**Source: 24D6173-02**				Prepared: 5/2/2024 Analyzed: 5/16/2024					
Lead	21.6	J1	0.858	mg/kg dry	21.4	9.99	54.2	75-125	1.46	20
Potassium	3850	J1	171	mg/kg dry	4280	1580	52.9	75-125	3.92	20
Matrix Spike Dup (BHE0411-MSD4)	**Source: 24D2601-02**				Prepared: 5/2/2024 Analyzed: 5/16/2024					
Potassium	6430	J1	233	mg/kg dry	5830	3070	57.5	75-125	19.5	20
Matrix Spike Dup (BHE0411-MSD5)	**Source: 24D6173-02**				Prepared: 5/2/2024 Analyzed: 5/16/2024					
Copper	603	J1	17.1	mg/kg dry	899	173	47.9	75-125	2.85	20
Total Phosphorus	10200	J1	1710	mg/kg dry	8560	6110	47.9	75-125	2.07	20
Zinc	1120	J1	42.9	mg/kg dry	877	621	57.4	75-125	10.8	20
Matrix Spike Dup (BHE0411-MSD6)	**Source: 24D2601-02**				Prepared: 5/2/2024 Analyzed: 5/16/2024					
Chromium	29.2	J1	11.7	mg/kg dry	29.1	18.6	36.6	75-125	200	20
Copper	869	J1	23.3	mg/kg dry	1220	213	53.6	75-125	11.9	20
Molybdenum	23.6		11.7	mg/kg dry	29.1	<11.7	80.9	75-125	200	20
Nickel	25.9	J1	11.7	mg/kg dry	29.1	18.1	26.9	75-125	8.18	20
Total Phosphorus	17000	J1	2330	mg/kg dry	11700	10100	59.2	75-125	9.12	20
Zinc	1640	J1	58.4	mg/kg dry	1190	1110	44.4	75-125	2.28	20

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE0411 - SW-3050 for 6010 (Continued)										
Matrix Spike Dup (BHE0411-MSD7)		**Source: 24D6173-02**			Prepared: 5/2/2024 Analyzed: 5/16/2024					
Selenium	28.6	J1	1.71	mg/kg dry	42.8	2.23	61.6	75-125	2.45	20
Matrix Spike Dup (BHE0411-MSD8)		**Source: 24D2601-02**			Prepared: 5/2/2024 Analyzed: 5/16/2024					
Selenium	43.4	J1	2.33	mg/kg dry	58.3	7.61	61.4	75-125	15.3	20
Matrix Spike Dup (BHE0411-MSD9)		**Source: 24D2601-02**			Prepared: 5/2/2024 Analyzed: 5/30/2024					
Arsenic	74.6		2.33	mg/kg dry	58.3	7.70	115	75-125	3.47	20
Cadmium	7.44		0.233	mg/kg dry	5.83	1.20	107	75-125	1.54	20
Lead	47.9		1.17	mg/kg dry	29.1	23.7	83.0	75-125	4.67	20
Post Spike (BHE0411-PS1)		**Source: 24D6173-02**			Prepared: 5/2/2024 Analyzed: 5/15/2024					
Arsenic	560			ug/L	500	26.4	107	80-120		
Cadmium	58.2			ug/L	50.0	4.51	107	80-120		
Chromium	393	J1		ug/L	250	84.5	123	80-120		
Molybdenum	300			ug/L	250	34.6	106	80-120		
Nickel	352			ug/L	250	63.3	115	80-120		
Selenium	551			ug/L	500	24.6	105	80-120		
Zinc	11600	J1		ug/L	250	6860	NR	80-120		
Post Spike (BHE0411-PS2)		**Source: 24D2601-02**			Prepared: 5/2/2024 Analyzed: 5/15/2024					
Molybdenum	338			ug/L	250	87.4	100	80-120		
Nickel	443			ug/L	250	147	118	80-120		
Selenium	654			ug/L	500	61.7	118	80-120		
Post Spike (BHE0411-PS5)		**Source: 24D2601-02**			Prepared: 5/2/2024 Analyzed: 5/16/2024					
Chromium	598	J1		ug/L	250	151	179	80-120		
Copper	2790	J1		ug/L	500	1720	213	80-120		
Total Phosphorus	168000	J1		ug/L	50000	81800	172	80-120		
Zinc	16700	J1		ug/L	250	9010	NR	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE0411 - SW-3050 for 6010 (Continued)										
Post Spike (BHE0411-PS6)		**Source: 24D6173-02**			Prepared: 5/2/2024 Analyzed: 5/16/2024					
Copper	4040	J1		ug/L	500	1900	426	80-120		
Total Phosphorus	251000	J1		ug/L	50000	67400	368	80-120		
Post Spike (BHE0411-PS7)		**Source: 24D6173-02**			Prepared: 5/2/2024 Analyzed: 5/30/2024					
Lead	385			ug/L	250	110	110	80-120		
Potassium	81100	J1		ug/L	50000	17500	127	80-120		
Post Spike (BHE0411-PS8)		**Source: 24D2601-02**			Prepared: 5/2/2024 Analyzed: 5/30/2024					
Arsenic	579			ug/L	500	62.4	103	80-120		
Cadmium	63.1			ug/L	50.0	9.71	107	80-120		
Lead	471			ug/L	250	192	111	80-120		
Potassium	97700	J1		ug/L	50000	24900	146	80-120		
Dilution Check (BHE0411-SRL1)		**Source: 24D6173-02**			Prepared: 5/2/2024 Analyzed: 5/15/2024					
Arsenic	3.13	U	8.56	mg/kg dry		2.39			26.8	10
Cadmium	0.638	U	0.856	mg/kg dry		0.409			43.9	10
Chromium	10.4		4.29	mg/kg dry		7.66			30.4	10
Molybdenum	<4.29	U	4.29	mg/kg dry		<4.29			200	10
Nickel	7.91		4.29	mg/kg dry		5.74			31.8	10
Selenium	<8.56	U	8.56	mg/kg dry		<8.56			200	10
Total Phosphorus	7890	J1	856	mg/kg dry		6110			25.4	10
Dilution Check (BHE0411-SRL2)		**Source: 24D2601-02**			Prepared: 5/2/2024 Analyzed: 5/15/2024					
Selenium	6.96	U	11.7	mg/kg dry		7.61			9.00	10
Dilution Check (BHE0411-SRL3)		**Source: 24D6173-02**			Prepared: 5/2/2024 Analyzed: 5/16/2024					
Copper	147	J1	8.56	mg/kg dry		173			16.1	10
Lead	12.0		4.29	mg/kg dry		9.99			18.5	10
Potassium	1650		856	mg/kg dry		1580			3.87	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE0411 - SW-3050 for 6010 (Continued)										
Dilution Check (BHE0411-SRL4)		**Source: 24D2601-02**			Prepared: 5/2/2024 Analyzed: 5/16/2024					
Chromium	28.7		5.84	mg/kg dry		18.6			200	10
Copper	309	J1	11.7	mg/kg dry		213			36.7	10
Molybdenum	8.78		5.84	mg/kg dry		10.8			200	10
Nickel	18.6		5.84	mg/kg dry		18.1			2.88	10
Potassium	4810	J1	1170	mg/kg dry		3070			43.9	10
Total Phosphorus	18600	J1	1170	mg/kg dry		10100			59.4	10
Dilution Check (BHE0411-SRL5)		**Source: 24D2601-02**			Prepared: 5/2/2024 Analyzed: 5/30/2024					
Arsenic	8.65	U	11.7	mg/kg dry		7.70			11.6	10
Cadmium	1.46		1.17	mg/kg dry		1.20			19.6	10
Lead	31.7	J1	5.84	mg/kg dry		23.7			28.7	10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD3999 - Percent Solids										
Blank (BHD3999-BLK1)					Prepared: 4/23/2024 Analyzed: 4/24/2024					
% Solids	<0.100	U	0.100	%						
Duplicate (BHD3999-DUP1)		**Source: 24D4972-01**			Prepared: 4/23/2024 Analyzed: 4/24/2024					
% Solids	2.40		0.100	%		2.31			4.00	10
Duplicate (BHD3999-DUP2)		**Source: 24D5066-08**			Prepared: 4/23/2024 Analyzed: 4/24/2024					
% Solids	0.647		0.100	%		0.648			0.0534	20
Reference (BHD3999-SRM1)					Prepared: 4/23/2024 Analyzed: 4/24/2024					
% Solids	0.375		0.100	%	0.350		107	78.9-118		
Batch: BHD4216 - Solid Anions No Prep										
Duplicate (BHD4216-DUP1)		**Source: 24C0735-01**			Prepared & Analyzed: 4/24/2024					
Nitrate as N	880		226	mg/kg dry		916			4.03	15
MRL Check (BHD4216-MRL1)					Prepared & Analyzed: 4/24/2024					
Nitrate as N	0.101	U	0.125	mg/kg wet	0.100		101	50-150		
Matrix Spike (BHD4216-MS1)		**Source: 24C0735-01**			Prepared & Analyzed: 4/24/2024					
Nitrate as N	1080		252	mg/kg dry	161	916	102	80-120		
Batch: BHD5090 - TKN T										
Blank (BHD5090-BLK1)					Prepared: 4/30/2024 Analyzed: 5/1/2024					
Total Kjeldahl Nitrogen - (TKN)	<9.96	U	9.96	mg/kg wet						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD5090 - TKN T (Continued)										
LCS (BHD5090-BS1)					Prepared: 4/30/2024 Analyzed: 5/1/2024					
Total Kjeldahl Nitrogen - (TKN)	17.8		9.92	mg/kg wet	19.6		90.8	85-115		
Duplicate (BHD5090-DUP1)		**Source: 24C0735-01**			Prepared: 4/30/2024 Analyzed: 5/1/2024					
Total Kjeldahl Nitrogen - (TKN)	52200	J1	1760	mg/kg dry		64600			21.2	20
Matrix Spike (BHD5090-MS1)		**Source: 24C0735-01**			Prepared: 4/30/2024 Analyzed: 5/1/2024					
Total Kjeldahl Nitrogen - (TKN)	70200	J1	1740	mg/kg dry	6970	64600	80.7	85-115		
Batch: BHE0160 - TKN T										
Blank (BHE0160-BLK1)					Prepared: 5/1/2024 Analyzed: 5/2/2024					
Ammonia as N	<9.98	U	9.98	mg/kg wet						
LCS (BHE0160-BS1)					Prepared: 5/1/2024 Analyzed: 5/2/2024					
Ammonia as N	94.1		9.97	mg/kg wet	99.7		94.4	85-115		
Duplicate (BHE0160-DUP1)		**Source: 24C0735-01**			Prepared: 5/1/2024 Analyzed: 5/2/2024					
Ammonia as N	3720	J1	1440	mg/kg dry		2710			31.4	20
MRL Check (BHE0160-MRL1)					Prepared: 5/1/2024 Analyzed: 5/2/2024					
Ammonia as N	8.66	U	9.98	mg/kg wet	9.98		86.8	50-150		
Matrix Spike (BHE0160-MS1)		**Source: 24C0735-01**			Prepared: 5/1/2024 Analyzed: 5/2/2024					
Ammonia as N	17500		1440	mg/kg dry	14400	2710	103	85-115		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

TCLP

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD5085 - SW-5030										
Blank (BHD5085-BLK1)					Prepared & Analyzed: 5/1/2024					
1,1-Dichloroethylene	<0.700	U	0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.500	U	0.500	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<7.50	U	7.50	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<200	U	200	mg/L						
Benzene	<0.500	U	0.500	mg/L						
Carbon tetrachloride	<0.500	U	0.500	mg/L						
Chlorobenzene	<100	U	100	mg/L						
Chloroform	<6.00	U	6.00	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.700	U	0.700	mg/L						
Trichloroethene (Trichloroethylene)	<0.500	U	0.500	mg/L						
Vinyl chloride (Chloroethene)	<0.200	U	0.200	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*46.9*	*ug/L*	*50.0*		*93.8*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*49.1*	*ug/L*	*50.0*		*98.2*	*70-130*		
Surrogate: Toluene-d8-surr			*49.2*	*ug/L*	*50.0*		*98.3*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*50.3*	*ug/L*	*50.0*		*101*	*70-130*		
LCS (BHD5085-BS1)					Prepared & Analyzed: 5/1/2024					
1,1-Dichloroethylene	0.0392	U	0.700	mg/L	0.0500		78.4	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0368	U	0.500	mg/L	0.0500		73.5	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0398	U	7.50	mg/L	0.0500		79.6	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.374	U	200	mg/L	0.500		74.8	70-130		
Benzene	0.0387	U	0.500	mg/L	0.0500		77.3	70-130		
Carbon tetrachloride	0.0377	U	0.500	mg/L	0.0500		75.4	70-130		
Chlorobenzene	0.0395	U	100	mg/L	0.0500		78.9	70-130		
Chloroform	0.0368	U	6.00	mg/L	0.0500		73.7	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0367	U	0.700	mg/L	0.0500		73.5	70-130		
Trichloroethene (Trichloroethylene)	0.0383	U	0.500	mg/L	0.0500		76.6	70-130		
Vinyl chloride (Chloroethene)	0.0421	U	0.200	mg/L	0.0500		84.2	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*46.7*	*ug/L*	*50.0*		*93.4*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*51.0*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8-surr			*50.5*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*47.8*	*ug/L*	*50.0*		*95.5*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD5085 - SW-5030 (Continued)										
LCS Dup (BHD5085-BSD1)					Prepared & Analyzed: 5/1/2024					
1,1-Dichloroethylene	0.0386	U	0.700	mg/L	0.0500		77.2	70-130	1.61	30
1,2-Dichloroethane (Ethylene dichloride)	0.0366	U	0.500	mg/L	0.0500		73.3	70-130	0.343	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0400	U	7.50	mg/L	0.0500		80.0	70-130	0.514	30
2-Butanone (Methyl ethyl ketone, MEK)	0.393	U	200	mg/L	0.500		78.6	70-130	4.86	30
Benzene	0.0382	U	0.500	mg/L	0.0500		76.4	70-130	1.25	30
Carbon tetrachloride	0.0364	U	0.500	mg/L	0.0500		72.8	70-130	3.61	30
Chlorobenzene	0.0405	U	100	mg/L	0.0500		81.0	70-130	2.63	30
Chloroform	0.0360	U	6.00	mg/L	0.0500		72.1	70-130	2.20	30
Tetrachloroethylene (Perchloroethylene)	0.0377	U	0.700	mg/L	0.0500		75.5	70-130	2.66	30
Trichloroethene (Trichloroethylene)	0.0385	U	0.500	mg/L	0.0500		76.9	70-130	0.489	30
Vinyl chloride (Chloroethene)	0.0416	U	0.200	mg/L	0.0500		83.2	70-130	1.19	30
Surrogate: 1,2-Dichloroethane-d4-surr			*48.9*	*ug/L*	*50.0*		*97.8*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*50.2*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8-surr			*51.5*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*47.2*	*ug/L*	*50.0*		*94.5*	*70-130*		
BHD4433-BLK1 (BHD5085-LBK1)					Prepared & Analyzed: 5/1/2024					
1,1-Dichloroethylene	<0.700	U	0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.500	U	0.500	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<7.50	U	7.50	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<200	U	200	mg/L						
Benzene	<0.500	U	0.500	mg/L						
Carbon tetrachloride	<0.500	U	0.500	mg/L						
Chlorobenzene	<100	U	100	mg/L						
Chloroform	<6.00	U	6.00	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.700	U	0.700	mg/L						
Trichloroethene (Trichloroethylene)	<0.500	U	0.500	mg/L						
Vinyl chloride (Chloroethene)	<0.200	U	0.200	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*52.5*	*ug/L*	*50.0*		*105*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*49.8*	*ug/L*	*50.0*		*99.7*	*70-130*		
Surrogate: Toluene-d8-surr			*47.9*	*ug/L*	*50.0*		*95.7*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*52.1*	*ug/L*	*50.0*		*104*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD5085 - SW-5030 (Continued)										
BHD4872-BLK1 (BHD5085-LBK2)					Prepared & Analyzed: 5/1/2024					
1,1-Dichloroethylene	<0.700	U	0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.500	U	0.500	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<7.50	U	7.50	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<200	U	200	mg/L						
Benzene	<0.500	U	0.500	mg/L						
Carbon tetrachloride	<0.500	U	0.500	mg/L						
Chlorobenzene	<100	U	100	mg/L						
Chloroform	<6.00	U	6.00	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.700	U	0.700	mg/L						
Trichloroethene (Trichloroethylene)	<0.500	U	0.500	mg/L						
Vinyl chloride (Chloroethene)	<0.200	U	0.200	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*52.6*	*ug/L*	*50.0*		*105*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*48.3*	*ug/L*	*50.0*		*96.7*	*70-130*		
Surrogate: Toluene-d8-surr			*48.6*	*ug/L*	*50.0*		*97.2*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*52.8*	*ug/L*	*50.0*		*106*	*70-130*		
Matrix Spike (BHD5085-MS1)	**Source: 24D3636-03**				Prepared & Analyzed: 5/1/2024					
1,1-Dichloroethylene	0.0437	U	0.700	mg/L	0.0500	<0.700	87.5	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0396	U	0.500	mg/L	0.0500	<0.500	79.3	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0449	U	7.50	mg/L	0.0500	<7.50	89.8	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.431	U	200	mg/L	0.500	<200	86.3	70-130		
Benzene	0.0427	U	0.500	mg/L	0.0500	<0.500	85.4	70-130		
Carbon tetrachloride	0.0425	U	0.500	mg/L	0.0500	<0.500	85.0	70-130		
Chlorobenzene	0.0449	U	100	mg/L	0.0500	<100	89.7	70-130		
Chloroform	0.0262	J1, U	6.00	mg/L	0.0500	<6.00	52.3	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0427	U	0.700	mg/L	0.0500	<0.700	85.4	70-130		
Trichloroethene (Trichloroethylene)	0.0432	U	0.500	mg/L	0.0500	<0.500	86.3	70-130		
Vinyl chloride (Chloroethene)	0.0413	U	0.200	mg/L	0.0500	<0.200	82.5	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*45.8*	*ug/L*	*50.0*		*91.6*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*51.0*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8-surr			*51.5*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*45.3*	*ug/L*	*50.0*		*90.6*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHD5085 - SW-5030 (Continued)										
Matrix Spike Dup (BHD5085-MSD1)		**Source: 24D3636-03**			Prepared & Analyzed: 5/1/2024					
1,1-Dichloroethylene	0.0114	J1, U	0.700	mg/L	0.0500	<0.700	22.8	70-130	117	30
1,2-Dichloroethane (Ethylene dichloride)	0.0104	J1, U	0.500	mg/L	0.0500	<0.500	20.9	70-130	117	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0117	J1, U	7.50	mg/L	0.0500	<7.50	23.4	70-130	117	30
2-Butanone (Methyl ethyl ketone, MEK)	0.118	J1, U	200	mg/L	0.500	<200	23.6	70-130	114	30
Benzene	0.0115	J1, U	0.500	mg/L	0.0500	<0.500	22.9	70-130	115	30
Carbon tetrachloride	0.0114	J1, U	0.500	mg/L	0.0500	<0.500	22.8	70-130	115	30
Chlorobenzene	0.0119	J1, U	100	mg/L	0.0500	<100	23.9	70-130	116	30
Chloroform	<6.00	J1, U	6.00	mg/L	0.0500	<6.00		70-130	200	30
Tetrachloroethylene (Perchloroethylene)	0.0117	J1, U	0.700	mg/L	0.0500	<0.700	23.4	70-130	114	30
Trichloroethene (Trichloroethylene)	0.0119	J1, U	0.500	mg/L	0.0500	<0.500	23.9	70-130	113	30
Vinyl chloride (Chloroethene)	0.0117	J1, U	0.200	mg/L	0.0500	<0.200	23.4	70-130	112	30
Surrogate: 1,2-Dichloroethane-d4-surr			*50.3*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: 4-Bromofluorobenzene-surr			*50.4*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8-surr			*50.7*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*49.4*	*ug/L*	*50.0*		*98.7*	*70-130*		
Batch: BHE0010 - SW-7471 TCLP										
Duplicate (BHE0010-DUP1)		**Source: 24D5279-01**			Prepared & Analyzed: 5/6/2024					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
Duplicate (BHE0010-DUP2)		**Source: 24D6173-02**			Prepared & Analyzed: 5/6/2024					
Mercury	<0.200	U	0.200	mg/L		<0.200				200
BHD4865-BLK1 (BHE0010-LBK1)					Prepared & Analyzed: 5/6/2024					
Mercury	<0.200	U	0.200	mg/L						

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE0010 - SW-7471 TCLP (Continued)										
BHE0257-BLK1 (BHE0010-LBK2)					Prepared & Analyzed: 5/6/2024					
Mercury	<0.200	U	0.200	mg/L						
MDL Check (BHE0010-MRL1)					Prepared & Analyzed: 5/6/2024					
Mercury	0.000219	U	0.200	mg/L	0.000200		110			
Matrix Spike (BHE0010-MS1)		**Source: 24D5279-01**			Prepared & Analyzed: 5/6/2024					
Mercury	0.00509	U	0.200	mg/L	0.00500	<0.200	102	80-120		
Matrix Spike (BHE0010-MS2)		**Source: 24D6173-02**			Prepared & Analyzed: 5/6/2024					
Mercury	0.00525	U	0.200	mg/L	0.00500	<0.200	105	80-120		
Batch: BHE0407 - SW-3511										
Blank (BHE0407-BLK1)					Prepared: 5/2/2024 Analyzed: 5/20/2024					
Toxaphene (Chlorinated Camphene)	<0.500	U	0.500	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000134*	*mg/L*	*0.000120*		*112*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000148*	*mg/L*	*0.000120*		*123*	*60-140*		
Blank (BHE0407-BLK2)					Prepared: 5/2/2024 Analyzed: 5/20/2024					
Chlordane (Total)	<0.0300	U	0.0300	mg/L						
Endrin	<0.0200	U	0.0200	mg/L						
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	<0.400	U	0.400	mg/L						
Heptachlor	<0.00800	U	0.00800	mg/L						
Heptachlor epoxide	<0.00800	U	0.00800	mg/L						
Methoxychlor	<10.0	U	10.0	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000101*	*mg/L*	*0.000120*		*84.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000118*	*mg/L*	*0.000120*		*98.1*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE0407 - SW-3511 (Continued)										
TOX LCS (BHE0407-BS1)					Prepared: 5/2/2024 Analyzed: 5/20/2024					
Toxaphene (Chlorinated Camphene)	0.00141	U	0.500	mg/L	0.00120		117	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000144*	*mg/L*	*0.000120*		*120*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000156*	*mg/L*	*0.000120*		*130*	*60-140*		
LCS (BHE0407-BS2)					Prepared: 5/2/2024 Analyzed: 5/20/2024					
Chlordane (Total)	0.000447	U	0.0300	mg/L	0.000480		93.1	60-140		
Endrin	0.000108	U	0.0200	mg/L	0.000120		90.0	60-140		
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	0.000115	U	0.400	mg/L	0.000120		95.9	60-140		
Heptachlor	0.000122	U	0.00800	mg/L	0.000120		102	60-140		
Heptachlor epoxide	0.000114	U	0.00800	mg/L	0.000120		95.2	60-140		
Methoxychlor	8.93E-5	U	10.0	mg/L	0.000120		74.4	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*8.67E-5*	*mg/L*	*0.000120*		*72.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000109*	*mg/L*	*0.000120*		*90.9*	*60-140*		
TOX LCSD (BHE0407-BSD1)					Prepared: 5/2/2024 Analyzed: 5/20/2024					
Toxaphene (Chlorinated Camphene)	0.00156	U	0.500	mg/L	0.00120		130	60-140	10.4	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000117*	*mg/L*	*0.000120*		*97.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000146*	*mg/L*	*0.000120*		*122*	*60-140*		
LCS Dup (BHE0407-BSD2)					Prepared: 5/2/2024 Analyzed: 5/20/2024					
Chlordane (Total)	0.000454	U	0.0300	mg/L	0.000480		94.6	60-140	1.59	40
Endrin	0.000109	U	0.0200	mg/L	0.000120		90.8	60-140	0.962	40
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	0.000123	U	0.400	mg/L	0.000120		102	60-140	6.31	40
Heptachlor	0.000121	U	0.00800	mg/L	0.000120		101	60-140	0.779	40
Heptachlor epoxide	0.000116	U	0.00800	mg/L	0.000120		96.5	60-140	1.39	40
Methoxychlor	8.90E-5	U	10.0	mg/L	0.000120		74.2	60-140	0.380	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*9.31E-5*	*mg/L*	*0.000120*		*77.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000114*	*mg/L*	*0.000120*		*95.2*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE0407 - SW-3511 (Continued)										
BHD4865-BLK1 (BHE0407-LBK1)					Prepared: 5/2/2024 Analyzed: 5/21/2024					
Chlordane (Total)	<0.0300	U	0.0300	mg/L						
Endrin	<0.0200	U	0.0200	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<0.400	U	0.400	mg/L						
Heptachlor	<0.00800	U	0.00800	mg/L						
Heptachlor epoxide	<0.00800	U	0.00800	mg/L						
Methoxychlor	<10.0	U	10.0	mg/L						
Toxaphene (Chlorinated Camphene)	<0.500	U	0.500	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000367*	*mg/L*	*0.000600*		*61.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*0.000337*	*mg/L*	*0.000600*		*56.1*	*60-140*		
TOX MRL (BHE0407-MRL1)					Prepared: 5/2/2024 Analyzed: 5/20/2024					
Toxaphene (Chlorinated Camphene)	0.000412	U	0.500	mg/L	0.000300		137			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000136*	*mg/L*	*0.000120*		*113*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000169*	*mg/L*	*0.000120*		*140*	*60-140*		
MRL Check (BHE0407-MRL2)					Prepared: 5/2/2024 Analyzed: 5/20/2024					
Chlordane (Total)	4.33E-5	U	0.0300	mg/L	4.80E-5		90.3			
Endrin	1.04E-5	U	0.0200	mg/L	1.20E-5		86.9			
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	1.40E-5	U	0.400	mg/L	1.20E-5		117			
Heptachlor	1.22E-5	U	0.00800	mg/L	1.20E-5		102			
Heptachlor epoxide	1.17E-5	U	0.00800	mg/L	1.20E-5		97.7			
Methoxychlor	8.74E-6	U	10.0	mg/L	1.20E-5		72.8			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*9.35E-5*	*mg/L*	*0.000120*		*77.9*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000128*	*mg/L*	*0.000120*		*107*	*60-140*		
Matrix Spike (BHE0407-MS1)		**Source: 24D4281-05RE1**			Prepared: 5/2/2024 Analyzed: 5/20/2024					
Chlordane (Total)	0.00172	U	0.0300	mg/L	0.00240	<0.0300	71.8	60-140		
Endrin	0.000541	U	0.0200	mg/L	0.000600	<0.0200	90.2	60-140		
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000601	U	0.400	mg/L	0.000600	<0.400	100	60-140		
Heptachlor	0.000405	U	0.00800	mg/L	0.000600	<0.00800	67.5	60-140		
Heptachlor epoxide	0.000560	U	0.00800	mg/L	0.000600	<0.00800	93.4	60-140		
Methoxychlor	0.000281	J1, U	10.0	mg/L	0.000600	<10.0	46.8	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr		*S*	*0.000285*	*mg/L*	*0.000600*		*47.5*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*0.000276*	*mg/L*	*0.000600*		*46.1*	*60-140*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE0407 - SW-3511 (Continued)										
Matrix Spike Dup (BHE0407-MSD1)		**Source: 24D4281-05RE1**			Prepared: 5/2/2024 Analyzed: 5/21/2024					
Chlordane (Total)	0.00155	U	0.0300	mg/L	0.00240	<0.0300	64.5	60-140	10.6	40
Endrin	0.000499	U	0.0200	mg/L	0.000600	<0.0200	83.2	60-140	8.17	40
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000606	U	0.400	mg/L	0.000600	<0.400	101	60-140	0.853	40
Heptachlor	0.000366	U	0.00800	mg/L	0.000600	<0.00800	61.0	60-140	10.2	40
Heptachlor epoxide	0.000540	U	0.00800	mg/L	0.000600	<0.00800	90.0	60-140	3.70	40
Methoxychlor	0.000188	J1, U	10.0	mg/L	0.000600	<10.0	31.4	60-140	39.4	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr		*S*	*0.000270*	*mg/L*	*0.000600*		*45.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr		*S*	*0.000202*	*mg/L*	*0.000600*		*33.7*	*60-140*		
Batch: BHE0409 - SW-3511										
MB SV (BHE0409-BLK1)					Prepared: 5/2/2024 Analyzed: 5/13/2024					
2-Methylphenol	<200	U	200	mg/L						
2,4,5-Trichlorophenol	<400	U	400	mg/L						
2,4,6-Trichlorophenol	<2.00	U	2.00	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.130	U	0.130	mg/L						
3,4-Methylphenol	<200	U	200	mg/L						
Hexachlorobenzene	<0.130	U	0.130	mg/L						
Hexachlorobutadiene	<0.500	U	0.500	mg/L						
Hexachloroethane	<3.00	U	3.00	mg/L						
Nitrobenzene	<2.00	U	2.00	mg/L						
Pentachlorophenol	<100	U	100	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.00931*	*mg/L*	*0.0100*		*93.1*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0209*	*mg/L*	*0.0200*		*105*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0220*	*mg/L*	*0.0200*		*110*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.00948*	*mg/L*	*0.0100*		*94.8*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0202*	*mg/L*	*0.0200*		*101*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0105*	*mg/L*	*0.0100*		*105*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE0409 - SW-3511 (Continued)										
Blank (BHE0409-BLK2)					Prepared: 5/2/2024 Analyzed: 5/15/2024					
Pyridine	<5.00	U	5.00	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.00866*	*mg/L*	*0.0100*		*86.6*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.00758*	*mg/L*	*0.0100*		*75.8*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.00945*	*mg/L*	*0.0100*		*94.5*	*51.9-147*		
BS SV (BHE0409-BS1)					Prepared: 5/2/2024 Analyzed: 5/13/2024					
2-Methylphenol	0.0198	U	200	mg/L	0.0200		99.1	60-140		
2,4,5-Trichlorophenol	0.0236	U	400	mg/L	0.0200		118	60-140		
2,4,6-Trichlorophenol	0.0235	U	2.00	mg/L	0.0200		118	60-140		
2,4-Dinitrotoluene (2,4-DNT)	0.0123	U	0.130	mg/L	0.0100		123	60-140		
3,4-Methylphenol	0.0424	L, U	200	mg/L	0.0400		106	60-140		
Hexachlorobenzene	0.0107	U	0.130	mg/L	0.0100		107	60-140		
Hexachlorobutadiene	0.00743	U	0.500	mg/L	0.0100		74.3	60-140		
Hexachloroethane	0.00805	U	3.00	mg/L	0.0100		80.5	60-140		
Nitrobenzene	0.0116	U	2.00	mg/L	0.0100		116	60-140		
Pentachlorophenol	0.0250	U	100	mg/L	0.0200		125	36.8-149		
Surrogate: 2-Fluorobiphenyl-surr			*0.0103*	*mg/L*	*0.0100*		*103*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0226*	*mg/L*	*0.0200*		*113*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0230*	*mg/L*	*0.0200*		*115*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0111*	*mg/L*	*0.0100*		*111*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0234*	*mg/L*	*0.0200*		*117*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0106*	*mg/L*	*0.0100*		*106*	*51.9-147*		
LCS (BHE0409-BS2)					Prepared: 5/2/2024 Analyzed: 5/15/2024					
Pyridine	0.0397	U	5.00	mg/L	0.0500		79.4	2.5-101		
Surrogate: 2-Fluorobiphenyl-surr			*0.00965*	*mg/L*	*0.0100*		*96.5*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.0105*	*mg/L*	*0.0100*		*105*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.0103*	*mg/L*	*0.0100*		*103*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE0409 - SW-3511 (Continued)										
BSD SV (BHE0409-BSD1)					Prepared: 5/2/2024 Analyzed: 5/13/2024					
2-Methylphenol	0.0204	U	200	mg/L	0.0200		102	60-140	2.87	40
2,4,5-Trichlorophenol	0.0218	U	400	mg/L	0.0200		109	60-140	7.76	40
2,4,6-Trichlorophenol	0.0216	U	2.00	mg/L	0.0200		108	60-140	8.75	40
2,4-Dinitrotoluene (2,4-DNT)	0.0126	U	0.130	mg/L	0.0100		126	60-140	2.84	40
3,4-Methylphenol	0.0423	L, U	200	mg/L	0.0400		106	60-140	0.0453	40
Hexachlorobenzene	0.0100	U	0.130	mg/L	0.0100		100	60-140	6.79	40
Hexachlorobutadiene	0.00724	U	0.500	mg/L	0.0100		72.4	60-140	2.72	40
Hexachloroethane	0.00770	U	3.00	mg/L	0.0100		77.0	60-140	4.41	40
Nitrobenzene	0.0115	U	2.00	mg/L	0.0100		115	60-140	0.790	40
Pentachlorophenol	0.0246	U	100	mg/L	0.0200		123	36.8-149	1.48	40
Surrogate: 2-Fluorobiphenyl-surr			*0.0102*	*mg/L*	*0.0100*		*102*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0225*	*mg/L*	*0.0200*		*113*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0228*	*mg/L*	*0.0200*		*114*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0113*	*mg/L*	*0.0100*		*113*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0240*	*mg/L*	*0.0200*		*120*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00993*	*mg/L*	*0.0100*		*99.3*	*51.9-147*		
LCS Dup (BHE0409-BSD2)					Prepared: 5/2/2024 Analyzed: 5/15/2024					
Pyridine	0.0370	U	5.00	mg/L	0.0500		74.1	2.5-101	6.92	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00946*	*mg/L*	*0.0100*		*94.6*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.0104*	*mg/L*	*0.0100*		*104*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.0107*	*mg/L*	*0.0100*		*107*	*51.9-147*		
BHD4865-BLK1 (BHE0409-LBK1)					Prepared: 5/2/2024 Analyzed: 5/14/2024					
2-Methylphenol	<200	U	200	mg/L						
2,4,5-Trichlorophenol	<400	U	400	mg/L						
2,4,6-Trichlorophenol	<2.00	U	2.00	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.130	U	0.130	mg/L						
3,4-Methylphenol	<200	U	200	mg/L						
Hexachlorobenzene	<0.130	U	0.130	mg/L						
Hexachlorobutadiene	<0.500	U	0.500	mg/L						
Hexachloroethane	<3.00	U	3.00	mg/L						
Nitrobenzene	<2.00	U	2.00	mg/L						
Pentachlorophenol	<100	U	100	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0422*	*mg/L*	*0.0400*		*105*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0953*	*mg/L*	*0.0800*		*119*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.103*	*mg/L*	*0.0800*		*128*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0553*	*mg/L*	*0.0400*		*138*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0996*	*mg/L*	*0.0800*		*124*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0364*	*mg/L*	*0.0400*		*91.1*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE0409 - SW-3511 (Continued)										
BHD4865-BLK1 (BHE0409-LBK3)					Prepared: 5/2/2024 Analyzed: 5/16/2024					
Pyridine	<5.00	U	5.00	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.0373*	*mg/L*	*0.0400*		*93.3*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.0496*	*mg/L*	*0.0400*		*124*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.0373*	*mg/L*	*0.0400*		*93.2*	*51.9-147*		
MDL SV (BHE0409-MRL1)					Prepared: 5/2/2024 Analyzed: 5/13/2024					
2-Methylphenol	0.00131	U	200	mg/L	0.00100		131			
2,4,5-Trichlorophenol	0.00139	U	400	mg/L	0.00100		139			
2,4,6-Trichlorophenol	0.00145	U	2.00	mg/L	0.00100		145			
2,4-Dinitrotoluene (2,4-DNT)	0.000571	U	0.130	mg/L	0.000500		114			
3,4-Methylphenol	0.00216	U	200	mg/L	0.00200		108			
Hexachlorobenzene	0.000605	U	0.130	mg/L	0.000500		121			
Hexachlorobutadiene	0.000491	U	0.500	mg/L	0.000500		98.1			
Hexachloroethane	0.000550	U	3.00	mg/L	0.000500		110			
Nitrobenzene	0.000682	U	2.00	mg/L	0.000500		136			
Pentachlorophenol	0.00141	U	100	mg/L	0.00100		141			
Surrogate: 2-Fluorobiphenyl-surr			*0.0106*	*mg/L*	*0.0100*		*106*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0238*	*mg/L*	*0.0200*		*119*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0250*	*mg/L*	*0.0200*		*125*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0112*	*mg/L*	*0.0100*		*112*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0237*	*mg/L*	*0.0200*		*119*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.0119*	*mg/L*	*0.0100*		*119*	*51.9-147*		
24D3569-03 MS (BHE0409-MS1)		**Source: 24D3569-03**			Prepared: 5/2/2024 Analyzed: 5/14/2024					
2-Methylphenol	0.0210	U	200	mg/L	0.0198	<200	106	17.3-182		
2,4,5-Trichlorophenol	0.0222	U	400	mg/L	0.0198	<400	112	44.9-171		
2,4,6-Trichlorophenol	0.0221	U	2.00	mg/L	0.0198	<2.00	112	34.7-143		
2,4-Dinitrotoluene (2,4-DNT)	0.0129	U	0.130	mg/L	0.00989	<0.130	130	50.3-144		
3,4-Methylphenol	0.0410	L, U	200	mg/L	0.0396	<200	104	43.4-188		
Hexachlorobenzene	0.00922	U	0.130	mg/L	0.00989	<0.130	93.2	56.1-137		
Hexachlorobutadiene	0.00732	U	0.500	mg/L	0.00989	<0.500	74.0	33.1-110		
Hexachloroethane	0.00740	U	3.00	mg/L	0.00989	<3.00	74.8	36.2-106		
Nitrobenzene	0.0115	U	2.00	mg/L	0.00989	<2.00	117	54.9-156		
Pentachlorophenol	0.0248	U	100	mg/L	0.0198	<100	125	42.2-151		
Surrogate: 2-Fluorobiphenyl-surr			*0.00975*	*mg/L*	*0.00989*		*98.6*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0224*	*mg/L*	*0.0198*		*113*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0225*	*mg/L*	*0.0198*		*114*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0113*	*mg/L*	*0.00989*		*114*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0233*	*mg/L*	*0.0198*		*118*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00885*	*mg/L*	*0.00989*		*89.5*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE0409 - SW-3511 (Continued)										
Matrix Spike (BHE0409-MS2)			**Source: 24D3569-03RE1**		Prepared: 5/2/2024 Analyzed: 5/15/2024					
Pyridine	0.0286	U	5.00	mg/L	0.0494	<5.00	57.8	2-87.4		
Surrogate: 2-Fluorobiphenyl-surr			*0.00916*	*mg/L*	*0.00989*		*92.6*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.00996*	*mg/L*	*0.00989*		*101*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.00900*	*mg/L*	*0.00989*		*91.0*	*51.9-147*		
24D3569-03 MSD (BHE0409-MSD1)			**Source: 24D3569-03**		Prepared: 5/2/2024 Analyzed: 5/14/2024					
2-Methylphenol	0.0218	U	200	mg/L	0.0198	<200	110	17.3-182	3.85	40
2,4,5-Trichlorophenol	0.0225	U	400	mg/L	0.0198	<400	113	44.9-171	1.15	40
2,4,6-Trichlorophenol	0.0225	U	2.00	mg/L	0.0198	<2.00	113	34.7-143	1.87	40
2,4-Dinitrotoluene (2,4-DNT)	0.0130	U	0.130	mg/L	0.00992	<0.130	131	50.3-144	1.21	40
3,4-Methylphenol	0.0418	L, U	200	mg/L	0.0397	<200	105	43.4-188	1.91	40
Hexachlorobenzene	0.00901	U	0.130	mg/L	0.00992	<0.130	90.8	56.1-137	2.30	40
Hexachlorobutadiene	0.00733	U	0.500	mg/L	0.00992	<0.500	73.9	33.1-110	0.145	40
Hexachloroethane	0.00763	U	3.00	mg/L	0.00992	<3.00	76.9	36.2-106	3.04	40
Nitrobenzene	0.0121	U	2.00	mg/L	0.00992	<2.00	122	54.9-156	4.69	40
Pentachlorophenol	0.0248	U	100	mg/L	0.0198	<100	125	42.2-151	0.263	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00976*	*mg/L*	*0.00992*		*98.4*	*54.6-148*		
Surrogate: 2-Fluorophenol-surr			*0.0229*	*mg/L*	*0.0198*		*115*	*55-152*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0224*	*mg/L*	*0.0198*		*113*	*52.4-136*		
Surrogate: Nitrobenzene-d5-surr			*0.0115*	*mg/L*	*0.00992*		*116*	*52-162*		
Surrogate: Phenol-d5-surr			*0.0240*	*mg/L*	*0.0198*		*121*	*58.7-152*		
Surrogate: p-Terphenyl-d14-surr			*0.00832*	*mg/L*	*0.00992*		*83.9*	*51.9-147*		
Matrix Spike Dup (BHE0409-MSD2)			**Source: 24D3569-03RE1**		Prepared: 5/2/2024 Analyzed: 5/15/2024					
Pyridine	0.0374	U	5.00	mg/L	0.0496	<5.00	75.3	2-87.4	26.6	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00914*	*mg/L*	*0.00992*		*92.2*	*54.6-148*		
Surrogate: Nitrobenzene-d5-surr			*0.0104*	*mg/L*	*0.00992*		*105*	*52-162*		
Surrogate: p-Terphenyl-d14-surr			*0.00872*	*mg/L*	*0.00992*		*87.9*	*51.9-147*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE1049 - SW-3511										
Blank (BHE1049-BLK1)					Prepared: 5/7/2024 Analyzed: 6/7/2024					
2,4-D	<10.0	U	10.0	mg/L						
Silvex (2,4,5-TP)	<1.00	U	1.00	mg/L						
Surrogate: DCAA-surr			*0.105*	*mg/L*	*0.100*		*105*	*70-130*		
LCS (BHE1049-BS1)					Prepared: 5/7/2024 Analyzed: 6/7/2024					
2,4-D	0.0286	J1, U	10.0	mg/L	0.0206		139	70-130		
Silvex (2,4,5-TP)	0.0314	J1, U	1.00	mg/L	0.0200		157	70-130		
Surrogate: DCAA-surr		*S*	*0.133*	*mg/L*	*0.100*		*133*	*70-130*		
LCS Dup (BHE1049-BSD1)					Prepared: 5/7/2024 Analyzed: 6/7/2024					
2,4-D	0.0512	J1, U	10.0	mg/L	0.0206		249	70-130	57	30
Silvex (2,4,5-TP)	0.0518	J1, U	1.00	mg/L	0.0200		259	70-130	49	30
Surrogate: DCAA-surr		*S*	*0.253*	*mg/L*	*0.100*		*253*	*70-130*		
BHE0257-BLK1 (BHE1049-LBK1)					Prepared: 5/7/2024 Analyzed: 6/7/2024					
2,4-D	<10.0	U	10.0	mg/L						
Silvex (2,4,5-TP)	<1.00	U	1.00	mg/L						
Surrogate: DCAA-surr		*S*	*0.148*	*mg/L*	*0.100*		*148*	*70-130*		
BHD4865-BLK1 (BHE1049-LBK2)					Prepared: 5/7/2024 Analyzed: 6/8/2024					
2,4-D	<10.0	U	10.0	mg/L						
Silvex (2,4,5-TP)	<1.00	U	1.00	mg/L						
Surrogate: DCAA-surr		*S*	*0.182*	*mg/L*	*0.100*		*182*	*70-130*		
Matrix Spike (BHE1049-MS1)	**Source: 24D5067-01**				Prepared: 5/7/2024 Analyzed: 6/7/2024					
2,4-D	0.0297	J1, U	10.0	mg/L	0.0206	<10.0	144	70-130		
Silvex (2,4,5-TP)	0.0309	J1, U	1.00	mg/L	0.0200	<1.00	154	70-130		
Surrogate: DCAA-surr		*S*	*0.152*	*mg/L*	*0.100*		*152*	*70-130*		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE1049 - SW-3511 (Continued)										
Matrix Spike Dup (BHE1049-MSD1)	**Source: 24D5067-01**				Prepared: 5/7/2024 Analyzed: 6/7/2024					
2,4-D	0.0291	J1, U	10.0	mg/L	0.0206	<10.0	141	70-130	2	30
Silvex (2,4,5-TP)	0.0306	J1, U	1.00	mg/L	0.0200	<1.00	153	70-130	0.9	30
Surrogate: DCAA-surr		*S*	*0.144*	*mg/L*	*0.100*		*144*	*70-130*		
Batch: BHE2239 - EPA 200.2 TCLP										
Blank (BHE2239-BLK1)					Prepared: 5/14/2024 Analyzed: 6/12/2024					
Arsenic	<5.00	U	5.00	mg/L						
Barium	<100	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Chromium	<5.00	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						
Blank (BHE2239-BLK2)					Prepared: 5/14/2024 Analyzed: 6/13/2024					
Lead	<5.00	U	5.00	mg/L						
LCS (BHE2239-BS1)					Prepared: 5/14/2024 Analyzed: 6/12/2024					
Arsenic	0.524	U	5.00	mg/L	0.500		105	80-120		
Barium	0.545	U	100	mg/L	0.500		109	80-120		
Cadmium	0.0542	U	1.00	mg/L	0.0500		108	80-120		
Chromium	0.262	U	5.00	mg/L	0.250		105	80-120		
Selenium	0.545	U	1.00	mg/L	0.500		109	80-120		
Silver	0.0546	U	5.00	mg/L	0.0500		109	80-120		
LCS (BHE2239-BS2)					Prepared: 5/14/2024 Analyzed: 6/13/2024					
Lead	0.261	U	5.00	mg/L	0.250		105	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE2239 - EPA 200.2 TCLP (Continued)										
Duplicate (BHE2239-DUP1)			**Source: 24D5279-01**		Prepared: 5/14/2024 Analyzed: 6/12/2024					
Arsenic	0.0166	U	5.00	mg/L		0.0145			13.3	20
Barium	1.96	U	100	mg/L		1.84			6.37	20
Cadmium	<1.00	U	1.00	mg/L		<1.00				20
Chromium	0.00214	U	5.00	mg/L		<5.00			200	20
Selenium	<1.00	U	1.00	mg/L		<1.00				20
Silver	<5.00	U	5.00	mg/L		<5.00				20
Duplicate (BHE2239-DUP2)			**Source: 24D5279-01**		Prepared: 5/14/2024 Analyzed: 6/13/2024					
Lead	<5.00	U	5.00	mg/L		<5.00				20
BHD4865-LBK1 (BHE2239-LBK1)					Prepared: 5/14/2024 Analyzed: 6/12/2024					
Arsenic	0.00809	U	5.00	mg/L						
Barium	0.625	U	100	mg/L						
Cadmium	<1.00	U	1.00	mg/L						
Chromium	0.00230	U	5.00	mg/L						
Selenium	<1.00	U	1.00	mg/L						
Silver	<5.00	U	5.00	mg/L						
BHD4865-LBK1 (BHE2239-LBK2)					Prepared: 5/14/2024 Analyzed: 6/13/2024					
Lead	0.00589	U	5.00	mg/L						
Matrix Spike (BHE2239-MS1)			**Source: 24D5279-01**		Prepared: 5/14/2024 Analyzed: 6/12/2024					
Arsenic	0.516	U	5.00	mg/L	0.500	0.0145	100	75-125		
Barium	3.15	J1, U	100	mg/L	0.500	1.84	261	75-125		
Cadmium	0.0534	U	1.00	mg/L	0.0500	<1.00	107	75-125		
Chromium	0.244	U	5.00	mg/L	0.250	<5.00	97.4	75-125		
Selenium	0.529	U	1.00	mg/L	0.500	<1.00	106	75-125		
Silver	0.0542	U	5.00	mg/L	0.0500	<5.00	108	75-125		

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHE2239 - EPA 200.2 TCLP (Continued)										
Matrix Spike (BHE2239-MS2)		**Source: 24D5279-01**			Prepared: 5/14/2024 Analyzed: 6/13/2024					
Lead	0.253	U	5.00	mg/L	0.250	<5.00	101	75-125		
Post Spike (BHE2239-PS1)		**Source: 24D5279-01**			Prepared: 5/14/2024 Analyzed: 6/12/2024					
Arsenic	421			ug/L	500	14.1	81.4	80-120		
Barium	2390			ug/L	500	1790	119	80-120		
Cadmium	41.9			ug/L	50.0	-0.107	83.7	80-120		
Chromium	198	J1		ug/L	250	1.18	78.6	80-120		
Selenium	401			ug/L	500	-0.370	80.2	80-120		
Silver	41.3			ug/L	50.0	0.526	81.5	80-120		
Post Spike (BHE2239-PS2)		**Source: 24D5279-01**			Prepared: 5/14/2024 Analyzed: 6/13/2024					
Lead	254			ug/L	250	-0.878	101	80-120		
Dilution Check (BHE2239-SRL1)		**Source: 24D5279-01**			Prepared: 5/14/2024 Analyzed: 6/12/2024					
Arsenic	<5.00	U	5.00	mg/L		<5.00			200	10
Barium	1.84	U	100	mg/L		1.84			0.00	10
Cadmium	<1.00	U	1.00	mg/L		<1.00				10
Chromium	<5.00	U	5.00	mg/L		<5.00				10
Selenium	<1.00	U	1.00	mg/L		<1.00				10
Silver	<5.00	U	5.00	mg/L		<5.00				10
Dilution Check (BHE2239-SRL2)		**Source: 24D5279-01**			Prepared: 5/14/2024 Analyzed: 6/13/2024					
Lead	<5.00	U	5.00	mg/L		<5.00				10

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Sample Condition Checklist

Work Order: 24D5067

Check Points	
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

* A = Accredited, N = Not Accredited or Accreditation not available

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

H2O Innovation_Spring
P.O. Box 2718
Spring, TX 77383

Reported:
10/28/2024 15:18

Term and Qualifier Definitions

Item	Definition
C+	The associated calibration QC is higher than the established quality control criteria for accuracy - no hit in sample; data not affected and acceptable to report.
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
L	Off scale high - The concentration of the analyte exceeds the linear range.
S	The surrogate recovery was outside the established laboratory recovery limit.
TV	Estimated value - The method required temperature requirement was outside of the acceptable range.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available

NWDLS
North Water District Laboratory Services, Inc.

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00086

24D5067

Lab PM : Deena Higginbotham	**Project Name** : West Park MUD - Sewage Sludge Annual	**Schedule Comments:**
H2O Innovation_Spring Natalia Espitia P.O. Box 2718 Spring, TX 77383 Phone: 281-353-9809	**Project Comments**: 19306 Katy Fwy combo 0437 Jerry - 832-610-5423	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24D5067-01	Digester 1		4/23/2024 1015	S Grab	A Glass 250mL w/ Teflon-lined Lid B HDPE IC 250mL C HDPE MET 250mL D HDPE WC 250mL E Glass Wide 1L w/ Teflon-lined Lid F HDPE 250mL G Glass VOA 60mL	Arsenic ICP 6010 4°C Arsenic ICP TCLP 4°C Barium ICP TCLP 4°C Cadmium ICP 6010 4°C Cadmium ICP TCLP 4°C Chromium ICP 6010 4°C Chromium ICP TCLP 4°C Copper ICP 6010 4°C Hg-7471 4°C Hg-7471-TCLP 4°C Lead ICP 6010 4°C Lead ICP TCLP 4°C Molybdenum ICP 6010 4°C Nickel ICP 6010 4°C Potassium ICP 6010 4°C Selenium ICP 6010 4°C Selenium ICP TCLP 4°C Silver ICP TCLP 4°C Total Phosphorus ICP 6(4°C Zinc ICP 6010 4°C HERB-TCLP 4°C OCP-TCLP 4°C PCB-8082 4°C SVOA-TCLP 4°C TCLP Bottle 4°C TCLP ZHE 4°C VOA-TCLP 4°C NH3-N T-350.2 4°C Nitrate as N IC 9056 4°C TKN T-351.3 4°C TS-2540 G 4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00086

24D5067

(Continued)

Lab PM : Deena Higginbotham	**Project Name** : West Park MUD - Sewage Sludge Annual	**Schedule Comments:**
H2O Innovation_Spring Natalia Espitia P.O. Box 2718 Spring, TX 77383 Phone: 281-353-9809	**Project Comments**: 19306 Katy Fwy combo 0437 Jerry - 832-610-5423	

Field Remarks:		**Lab Preservation:** (Circle and Write ID Below) H2SO4 HNO3 NaOH Other:		
Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name James J	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature)	Date/Time 4/23/24 1342	Received for Laboratory By: (Signature)	Date/Time 4/23/24 1342

Custody Seal : Yes / No COC Labels Agree: Yes / No Appropriate Volume: Yes / No Received on Ice: Yes / No Temperature: °C

Container Intact : Yes / No Appropriate Containers: Yes / No Coolers Intact: Yes / No Samples Accepted: Yes / No Thermometer ID:

Katy North

Heather Glen
WWTP

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

November 26, 2024

MOC Municipal Operations and Consulting
Heather Glen
20141 Schiel Road
Cypress, TX 77433

RE: **Heather Glen Sludge**

Enclosed are the results of analyses for samples received by the laboratory on 10/30/24 17:00, with Lab ID Number 4441641. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mark Bourgeois
Special Projects Manager

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Heather Glen
20141 Schiel Road
Cypress TX, 77433

LABORATORY ANALYTICAL REPORT

Project: Heather Glen Sludge a
Client Matrix: Waste

Sample Date & Time: 10/30/2024 12:30
Collector: MS
Sample Type:Grab
Print Date: 11/26/2024

Digester

4441641-01 (Waste)

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed Date & Time	Method	Notes
Metals								
-								
Arsenic	<76.9	76.9	mg/Kg dry	A	B4K1009	11/14/2024 13:27	EPA SW 846-6010, 3050	
Cadmium	<76.9	76.9	mg/Kg dry	A	B4K1009	11/14/2024 13:27	EPA SW 846-6010, 3050	
Chromium	<76.9	76.9	mg/Kg dry	A	B4K1009	11/14/2024 13:27	EPA SW 846-6010, 3050	
Copper	198	76.9	mg/Kg dry	A	B4K1009	11/14/2024 13:27	EPA SW 846-6010, 3050	
Lead	<76.9	76.9	mg/Kg dry	A	B4K1009	11/14/2024 13:27	EPA SW 846-6010, 3050	
Mercury, Total	0.233	0.154	mg/Kg dry	A	B4K1019	11/13/2024 13:42	EPA SW 846-7471B	
Molybdenum	<76.9	76.9	mg/Kg dry	A	B4K1009	11/14/2024 13:27	EPA SW 846-6010, 3050	
Nickel	<76.9	76.9	mg/Kg dry	A	B4K1009	11/14/2024 13:27	EPA SW 846-6010, 3050	
Phosphorus, %	1.60	1.00	% dry	A	B4K1013	11/14/2024 16:00	EPA SW 846-6010, 3050	
Potassium, %	0.494	0.385	% dry	A	B4K1009	11/14/2024 13:27	EPA SW 846-6010, 3050	
Selenium	<76.9	76.9	mg/Kg dry	A	B4K1009	11/14/2024 13:27	EPA SW 846-6010, 3050	
Zinc	1110	76.9	mg/Kg dry	A	B4K1009	11/14/2024 13:27	EPA SW 846-6010, 3050	
Wet Lab								
-								
NH3N %	4.42	0.769	% dry	A	B4K1251	11/15/2024 09:51	EPA 350.2	20
Nitrate-N, %	0.242	0.000154	% dry	N	B4K2140	11/19/2024 12:36	SM 4500 NO3 D	23
Percent Solid	1.3	0.1	%	A	B4J4619	10/31/2024 15:34	SM 2540G	
pH-Sludge	7.635		std unit	A	B4K1308	11/11/2024 13:00	EPA SW 846-9040	
TKN %	1.58	0.0769	% dry	N	B4K0502	11/21/2024 15:52	EPA 351.2	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

Heather Glen
20141 Schiel Road
Cypress TX, 77433

SM 2540G - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J4619 - No Prep	**Prepared: 10/31/24 15:34**									
Blank (B4J4619-BLK1)				**Analyzed:** 10/31/2024 3:34:00PM						
Percent Solid	ND	0.1	%							
Duplicate (B4J4619-DUP1)	**Source: 4441000-02**			**Analyzed:** 10/31/2024 3:34:00PM						
Percent Solid	1.00	0.1	%		1.10			9.52	20	
Batch B4K0502 - No Prep	**Prepared: 11/20/24 10:00**									
Blank (B4K0502-BLK1)				**Analyzed:** 11/21/2024 3:52:00PM						
TKN %	ND	0.00100	% wet							
LCS (B4K0502-BS1)				**Analyzed:** 11/21/2024 3:52:00PM						
TKN %	9.179		mg/L	10.0		91.8	80-120			
Matrix Spike (B4K0502-MS1)	**Source: 4430888-01**			**Analyzed:** 11/21/2024 3:52:00PM						
TKN %	1.03343	0.0116	% dry	0.0581	0.9892441	76.0	80-120			23
Matrix Spike Dup (B4K0502-MSD1)	**Source: 4430888-01**			**Analyzed:** 11/21/2024 3:52:00PM						
TKN %	1.018546	0.0116	% dry	0.0581	0.9892441	50.4	80-120	1.45	20	
Batch B4K1009 - SW846-3050	**Prepared: 11/07/24 14:24**									
Blank (B4K1009-BLK1)				**Analyzed:** 11/14/2024 12:53:14PM						
Molybdenum	ND	1.00	mg/Kg wet							
Arsenic	ND	1.00	mg/Kg wet							
Cadmium	ND	1.00	mg/Kg wet							
Chromium	ND	1.00	mg/Kg wet							
Copper	ND	1.00	mg/Kg wet							
Lead	ND	1.00	mg/Kg wet							
Nickel	ND	1.00	mg/Kg wet							
Potassium, %	ND	0.00500	% wet							
Selenium	ND	1.00	mg/Kg wet							
Zinc	ND	1.00	mg/Kg wet							
LCS (B4K1009-BS1)				**Analyzed:** 11/14/2024 12:56:41PM						
Molybdenum	2.54	1.00	mg/Kg wet	2.50		102	80-120			
Arsenic	2.36	1.00	mg/Kg wet	2.50		94.4	80-120			
Cadmium	2.3	1.00	mg/Kg wet	2.50		93.6	80-120			
Chromium	2.53	1.00	mg/Kg wet	2.50		101	80-120			
Copper	2.59	1.00	mg/Kg wet	2.50		104	80-120			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Heather Glen
20141 Schiel Road
Cypress TX, 77433

EPA SW 846-6010, 3050 - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4K1009 - SW846-3050	**Prepared: 11/07/24 14:24**									
LCS (B4K1009-BS1)				**Analyzed:** 11/14/2024 12:56:41PM						
Lead	2.43	1.00	mg/Kg wet	2.50		97.2	80-120			
Nickel	2.45	1.00	mg/Kg wet	2.50		98.0	80-120			
Potassium, %	0.0258	0.00500	% wet	0.0250		103	80-120			
Selenium	2.18	1.00	mg/Kg wet	2.50		87.2	80-120			
Zinc	2.38	1.00	mg/Kg wet	2.50		95.2	80-120			
Matrix Spike (B4K1009-MS1)	**Source: 4440015-01**			**Analyzed:** 11/14/2024 1:06:59PM						
Molybdenum	176	66.7	mg/Kg dry	167	ND	106	75-125			
Arsenic	164	66.7	mg/Kg dry	167	ND	98.4	75-125			
Cadmium	160	66.7	mg/Kg dry	167	ND	97.6	75-125			
Chromium	180	66.7	mg/Kg dry	167	9.93	102	75-125			
Copper	384	66.7	mg/Kg dry	167	222	97.2	75-125			
Lead	169	66.7	mg/Kg dry	167	ND	101	75-125			
Nickel	171	66.7	mg/Kg dry	167	9.13	97.3	75-125			
Potassium, %	2.01	0.333	% dry	1.67	0.325	101	75-125			
Selenium	153	66.7	mg/Kg dry	167	7.00	87.4	75-125			
Zinc	880.0001	66.7	mg/Kg dry	167	713.3334	100	75-125			
Matrix Spike Dup (B4K1009-MSD1)	**Source: 4440015-01**			**Analyzed:** 11/14/2024 1:10:28PM						
Molybdenum	194	66.7	mg/Kg dry	167	ND	116	75-125	9.73	20	
Arsenic	180	66.7	mg/Kg dry	167	ND	108	75-125	9.30	20	
Cadmium	180	66.7	mg/Kg dry	167	ND	107	75-125	9.37	20	
Chromium	198	66.7	mg/Kg dry	167	9.93	113	75-125	9.52	20	
Copper	426	66.7	mg/Kg dry	167	222	122	75-125	10.4	20	
Lead	189	66.7	mg/Kg dry	167	ND	113	75-125	11.2	20	
Nickel	188	66.7	mg/Kg dry	167	9.13	107	75-125	9.28	20	
Potassium, %	2.18	0.333	% dry	1.67	0.325	111	75-125	7.95	20	
Selenium	169	66.7	mg/Kg dry	167	7.00	97.4	75-125	10.4	20	
Zinc	986.6667	66.7	mg/Kg dry	167	713.3334	164	75-125	11.4	20	
Batch B4K1013 - SW846-3050	**Prepared: 11/14/24 15:44**									
Blank (B4K1013-BLK1)				**Analyzed:** 11/14/2024 3:44:51PM						
Phosphorus, %	ND	1.00	% wet							
LCS (B4K1013-BS1)				**Analyzed:** 11/14/2024 3:46:28PM						
Phosphorus, %	0.00243	1.00	% wet	0.00252		96.5	80-120			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

Heather Glen
20141 Schiel Road
Cypress TX, 77433

EPA SW 846-6010, 3050 - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4K1013 - SW846-3050	**Prepared: 11/14/24 15:51**									
Matrix Spike (B4K1013-MS1)		**Source: 4440015-01**		**Analyzed:** 11/14/2024 3:51:17PM						
Phosphorus, %	1.19	1.00	% dry	0.168	1.00	109	75-125			
Matrix Spike Dup (B4K1013-MSD1)		**Source: 4440015-01**		**Analyzed:** 11/14/2024 3:52:53PM						
Phosphorus, %	1.32	1.00	% dry	0.168	1.00	190	75-125	10.9	20	
Batch B4K1019 - SW 846-7471B	**Prepared: 11/07/24 14:48**									
Blank (B4K1019-BLK1)				**Analyzed:** 11/13/2024 1:17:32PM						
Mercury, Total	ND	0.00200	mg/Kg wet							
LCS (B4K1019-BS1)				**Analyzed:** 11/13/2024 1:20:04PM						
Mercury, Total	0.0260	0.00200	mg/Kg wet	0.0250		104	80-120			
Matrix Spike (B4K1019-MS1)		**Source: 4440015-01**		**Analyzed:** 11/13/2024 1:27:39PM						
Mercury, Total	1.81	0.133	mg/Kg dry	1.67	0.215	95.9	80-120			
Matrix Spike Dup (B4K1019-MSD1)		**Source: 4440015-01**		**Analyzed:** 11/13/2024 1:30:12PM						
Mercury, Total	2.18	0.133	mg/Kg dry	1.67	0.215	118	80-120	18.4	20	
Batch B4K1251 - No Prep	**Prepared: 11/15/24 09:51**									
Blank (B4K1251-BLK1)				**Analyzed:** 11/15/2024 9:51:00AM						
NH3N %	ND	0.0100	% wet							
LCS (B4K1251-BS1)				**Analyzed:** 11/15/2024 9:51:00AM						
NH3N %	1.95		mg/L	2.00		97.4	80-120			
Matrix Spike (B4K1251-MS1)		**Source: 4430888-01**		**Analyzed:** 11/15/2024 9:51:00AM						
NH3N %	0.257	0.116	% dry	0.00233	0.284	NR	80-120			23
Matrix Spike Dup (B4K1251-MSD1)		**Source: 4430888-01**		**Analyzed:** 11/15/2024 9:51:00AM						
NH3N %	0.293	0.116	% dry	0.00233	0.284	379	80-120	12.8	20	
Batch B4K1308 - No Prep	**Prepared: 11/11/24 13:00**									
LCS (B4K1308-BS1)				**Analyzed:** 11/11/2024 1:00:00PM						
pH-Sludge	6.935		std unit	6.86		101	0-200			
Duplicate (B4K1308-DUP1)		**Source: 4431090-01**		**Analyzed:** 11/11/2024 1:00:00PM						
pH-Sludge	7.025		std unit		6.87			2.23	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Heather Glen
20141 Schiel Road
Cypress TX, 77433

SM 4500 NO3 D - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4K2140 - No Prep	**Prepared: 11/19/24 12:36**									
Blank (B4K2140-BLK1)				**Analyzed:** 11/19/2024 12:36:00PM						
Nitrate-N, %	ND	0.00000200	% wet							
LCS (B4K2140-BS1)				**Analyzed:** 11/19/2024 12:36:00PM						
Nitrate-N, %	1.045		mg/L	1.00		104	80-120			
Matrix Spike (B4K2140-MS1)	**Source: 4441641-01**			**Analyzed:** 11/19/2024 12:36:00PM						
Nitrate-N, %	0.1180769	0.000154	% dry	0.192	0.2423077	NR	80-120			23
Matrix Spike Dup (B4K2140-MSD1)	**Source: 4441641-01**			**Analyzed:** 11/19/2024 12:36:00PM						
Nitrate-N, %	0.1140769	0.000154	% dry	0.192	0.2423077	NR	80-120	3.45	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document.
This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Heather Glen
20141 Schiel Road
Cypress TX, 77433

Notes and Definitions

23	Spike recovery outside of acceptance limits due to matrix interference.
20	Sample pH not <2.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document.
This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

November 27, 2024

MOC Municipal Operations and Consulting
Heather Glen
20141 Schiel Road
Cypress, TX 77433

RE: **Heather Glen Sludge**

Enclosed are the results of analyses for samples received by the laboratory on 10/30/24 17:00, with Lab ID Number 4441642. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mark Bourgeois
Special Projects Manager

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Heather Glen
20141 Schiel Road
Cypress TX, 77433

Case Narrative

40 CFR 503 Criterion for Fecal Coliform Class B = 2,000,000 MPN/g. for Class A = 1,000 MPN/g
40 CFR 503 Criterion for Vector Class B = <1.5mg/O2/g Solids/hr
*Fecal Coliform result is a geometric mean of seven individual samples.

LABORATORY ANALYTICAL REPORT

Project: Heather Glen Sludge b
Client Matrix: Waste

Sample Date & Time: 10/30/2024 12:30
Collector: MS
Sample Type:Grab
Print Date: 11/27/2024

Digester

4441642-01 (Waste)

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed Date & Time	Method	Notes
Microbiological Lab								
-								
Fecal Coliform IDEXX	36800	1000	mpn/gram	N	B4J4642	10/30/2024 17:11	Colilert 18	
Vector	0.5	0.1	mg O2/hr/g	N	B4K2179	10/30/2024 17:20	TAC 312.83(b)(4)	
Wet Lab								
-								
Percent Solid	1.2	0.1	%	A	B4J4611	10/31/2024 15:18	SM 2540G	
Volatile Percent Solid	58.7	0.1	%	A	B4J4601	11/01/2024 12:51	EPA 160.4	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

Heather Glen
20141 Schiel Road
Cypress TX, 77433

EPA 160.4 - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J4601 - No Prep	**Prepared: 11/01/24 12:51**									
Blank (B4J4601-BLK1)				**Analyzed:** 11/1/2024 12:51:00PM						
Volatile Percent Solid	ND	0.1	%							
Duplicate (B4J4601-DUP1)	**Source: 4441005-01**			**Analyzed:** 11/1/2024 12:51:00PM						
Volatile Percent Solid	67.1	0.1	%		68.4			1.92	10	
Batch B4J4611 - No Prep	**Prepared: 10/31/24 15:18**									
Blank (B4J4611-BLK1)				**Analyzed:** 10/31/2024 3:18:00PM						
Percent Solid	ND	0.1	%							
Duplicate (B4J4611-DUP1)	**Source: 4441005-01**			**Analyzed:** 10/31/2024 3:18:00PM						
Percent Solid	0.800	0.1	%		0.800			0.00	20	
Batch B4J4642 - No Prep Micro	**Prepared: 10/30/24 17:11**									
Blank (B4J4642-BLK1)				**Analyzed:** 10/30/2024 5:11:00PM						
Fecal Coliform IDEXX	ND	1000	mpn/gram							
Duplicate (B4J4642-DUP1)	**Source: 4441642-01**			**Analyzed:** 10/30/2024 5:11:00PM						
Fecal Coliform IDEXX	73167	1000	mpn/gram		36800			66.1	200	
Batch B4K2179 - No Prep Micro	**Prepared: 10/30/24 17:20**									
Blank (B4K2179-BLK1)				**Analyzed:** 10/30/2024 5:20:00PM						
Vector	ND	0.1	mg O2/hr/g							
Duplicate (B4K2179-DUP1)	**Source: 4430889-01**			**Analyzed:** 10/30/2024 5:20:00PM						
Vector	3.07	0.1	mg O2/hr/g		1.25			84.3	200	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Heather Glen
20141 Schiel Road
Cypress TX, 77433

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX ENVIRONMENTAL LABORATORY, INC.

P.O. Box 1089 * Coldspring, TX 77331 (936) 653-3249 * (800) 525-0508
P.O. Box 631375 * Nacogdoches, TX 75963-1375 (936) 569-8879 * FAX (936) 569-8951
www.eastexlabs.com

White Copy-Follows Samples
Yellow Copy-Laboratory
Pink Copy-Client Copy

REPORT TO:

Company: MOL
Address: on file
Attn:
Phone#:
Email:
P.O. #:
Sampler's Name (print): marcus
Sampler's Signature:
Project Name: heather glen

INVOICE TO:

Company:
Address: SAME
Attn:
Phone#:

Remarks:

INSTRUCTIONS:

C or G: C= Composite G= Grab
Matrix: DW=Drinking Water WW=Wastewater SO=Soil/Sludge OT= Other
Container Size: 1=Gallon 2=1/2 Gallon 3=Quart/Liter 4=500mL 5=250mL 6=125mL (4oz) 7=60mL (2 oz) 8= 40mL Vial 9=Other
Type: P= Plastic G= Glass T= Teflon S= Sterile
Preservatives: C=Chilled S=Sulfuric Acid N=Nitric Acid B=Base/Caustic Z= Zn Acetate ST=Sodium Thiosulfate H=HCL O= Other

ANALYSIS REQUESTED

10-31-24 EHK
Total / Land App P+V
Total PAHs
Land App Chem

Work Order ID	Sample ID	Date	Time	Matrix	Field Data: C or G	DO	pH	Cl2	Flow	Temp	Containers: #	Size	Type	Pres	Analysis Requested
4441641		10/30/24	12:30	WW	G						7	4	P	C	X
4441642		10/30/24	12:30	WW	G						1	3	P	C	X
		10/30/24	12:30	WW	G						1	3	G	C	X

Relinquished By: | Received By: | Date | Time | Received Iced: YES / NO
Relinquished By: | Received By: | Date | Time | Received Iced: YES / NO
Relinquished By: Drop off | Received By and/or Checked in By: | Date 10-30-24 | Time 1700 | Received Iced: (YES) / NO

LAB USE ONLY

Sample Condition Acceptable: (YES) / NO
Alternate Check In: Date Time
Temp °C: 4.4
*Therm ID: 15
Logged In By: Date 10-30-24 Time 1916

*Thermometer has 0.0 factor and recorded temperature is actual temperature

NWDLS
North Water District
Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdis.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

April 30, 2020

LAB REPORT

Cameron King
Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

RE: Heather Glen - Sewage Sludge Annual

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,

Deena Higginbotham

Deena Higginbotham For Monica O. Martin
Director of Laboratory Services

NWDLS
North Water District Laboratory Services

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting 27316 Spectrum Way Oak Ridge, TX 77385	Project: Heather Glen - Sewage Sludge Annual Project Number: 194 Project Manager: Cameron King	**Reported:** 04/30/2020 16:04

Sample Results

Client Sample ID: Digester
Lab Sample ID: 20B1824-01
Sample Alias:

Sample Matrix: Solid
Date Collected: 02/11/2020 11:35
Collected by: Derek Henry

Method	Analyte	Result	Q	Units	DF	SDL	LRL	Batch	Date Analyzed	Analyst
Organics by GC										
SW-8082	PCBs, Total	<1630		ug/kg dry	10	816	1630	BDB2326	02/28/2020	KRB
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-sun*	*80.0%*		*60-140*					*02/28/2020*	
SW-8082	*Surrogate: Decachlorobiphenyl-surr*	*83.8%*		*60-140*					*02/28/2020*	
Metals, Total										
SW-6010C	Arsenic	3.03		mg/kg dry	1	1.38	2.76	BDB3184	02/28/2020	TBB
SW-6010C	Cadmium	0.653		mg/kg dry	1	0.0692	0.138	BDB3184	02/28/2020	TBB
SW-6010C	Chromium	18.3		mg/kg dry	1	0.692	1.38	BDB3184	02/28/2020	TBB
SW-6010C	Copper	136		mg/kg dry	1	1.38	2.76	BDB3184	02/28/2020	TBB
SW-7471B	Mercury	0.272		mg/kg dry	1	0.0162	0.0324	BDB2335	02/19/2020	TBB
SW-6010C	Lead	21.7		mg/kg dry	1	0.692	1.38	BDB3184	02/28/2020	TBB
SW-6010C	Molybdenum	5.06		mg/kg dry	1	0.692	1.38	BDB3184	02/28/2020	TBB
SW-6010C	Nickel	12.0		mg/kg dry	1	0.692	1.38	BDB3184	02/28/2020	TBB
SW-6010C	Potassium	5250		mg/kg dry	1	138	276	BDB3184	02/28/2020	TBB
SW-6010C	Selenium	8.74		mg/kg dry	1	1.38	2.76	BDB3184	02/28/2020	TBB
SW-6010C	Total Phosphorus	13600		mg/kg dry	10	1380	1380	BDB3184	02/28/2020	TBB
SW-6010C	Zinc	673		mg/kg dry	10	6.92	13.8	BDB3184	02/28/2020	TBB
General Chemistry										
EPA 350.2	Ammonia as N	14300		mg/kg dry	1	3860	7720	BDB3007	02/25/2020	JPW
SW-9056A	Nitrate as N	<81.0		mg/kg dry	1	81.0	81.0	BDB1515	02/12/2020	EM
EPA 351.3	Total Kjeldahl Nitrogen - (TKN)	69000		mg/kg dry	1	3970	3970	BDB2656	02/21/2020	JPW
SM 2540 G	% Solids	1.23		%	1	0.100	0.100	BDB1455	02/13/2020	SSM
TCLP										
SW-6010C	Arsenic	<5.00		mg/L	1	0.0200	5.00	BDB3183	02/28/2020	TBB
SW-6010C	Barium	<100		mg/L	5	0.0500	100	BDB3183	02/28/2020	TBB
SW-6010C	Cadmium	<1.00		mg/L	1	0.00100	1.00	BDB3183	02/28/2020	TBB
SW-6010C	Chromium	<5.00		mg/L	1	0.00500	5.00	BDB3183	02/28/2020	TBB
SW-8151	2,4-D	<10.0		mg/L	2	0.000477	10.0	BDB2896	02/29/2020	SO
SW-8151	Silvex (2,4,5-TP)	<1.00		mg/L	2	0.000477	1.00	BDB2896	02/29/2020	SO
SW-8151	*Surrogate: DCAA-surr*	*162% S*		*70-130*					*02/29/2020*	
SW-7471B	Mercury	<0.200		mg/L	1	0.000200	0.200	BDB2904	02/24/2020	TBB
SW-6010C	Lead	<5.00		mg/L	1	0.0100	5.00	BDB3183	02/28/2020	TBB
SW-8081	Chlordane (tech.)	<0.0300		mg/L	1	2.99E-6	0.0300	BDB3090	02/25/2020	KRB
SW-8081	Endrin	<0.0200		mg/L	1	2.99E-6	0.0200	BDB3090	02/25/2020	KRB
SW-8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	<0.400		mg/L	1	2.99E-6	0.400	BDB3090	02/25/2020	KRB
SW-8081	Heptachlor	<0.00800		mg/L	1	2.99E-6	0.00800	BDB3090	02/25/2020	KRB
SW-8081	Heptachlor epoxide	<0.00800		mg/L	1	2.99E-6	0.00800	BDB3090	02/25/2020	KRB

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Sample Results
(Continued)

Client Sample ID: Digester (Continued)
Lab Sample ID: 20B1824-01
Sample Alias:

Sample Matrix: Solid
Date Collected: 02/11/2020 11:35
Collected by: Derek Henry

Method	Analyte	Result	Q	Units	DF	SDL	LRL	Batch	Date Analyzed	Analyst
TCLP (Continued)										
SW-8081	Methoxychlor	<10.0		mg/L	1	2.99E-6	10.0	BDB3090	02/25/2020	KRB
SW-8081	Toxaphene (Chlorinated Camphene)	<0.500		mg/L	1	2.99E-6	0.500	BDB3090	02/25/2020	KRB
SW-8081	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr*	*94.0%*		*60-140*					*02/25/2020*	
SW-8081	*Surrogate: Decachlorobiphenyl-surr*	*89.2%*		*60-140*					*02/25/2020*	
SW-6010C	Selenium	<1.00		mg/L	1	0.0200	1.00	BDB3183	02/28/2020	TBB
SW-6010C	Silver	<5.00		mg/L	1	0.00200	5.00	BDB3183	02/28/2020	TBB
SW-8270	2,4,5-Trichlorophenol	<400		mg/L	1	0.00247	400	BDB2746	03/14/2020	SO
SW-8270	2,4,6-Trichlorophenol	<2.00		mg/L	1	0.00247	2.00	BDB2746	03/14/2020	SO
SW-8270	2,4-Dinitrotoluene (2,4-DNT)	<0.130		mg/L	1	0.00247	0.130	BDB2746	03/14/2020	SO
SW-8270	2-Methylphenol	<200		mg/L	1	0.00247	200	BDB2746	03/14/2020	SO
SW-8270	3,4-Methylphenol	<200		mg/L	1	0.00247	200	BDB2746	03/14/2020	SO
SW-8270	Hexachlorobenzene	<0.130		mg/L	1	0.00247	0.130	BDB2746	03/14/2020	SO
SW-8270	Hexachlorobutadiene	<0.500		mg/L	1	0.00247	0.500	BDB2746	03/14/2020	SO
SW-8270	Hexachloroethane	<3.00		mg/L	1	0.00247	3.00	BDB2746	03/14/2020	SO
SW-8270	Nitrobenzene	<2.00		mg/L	1	0.00247	2.00	BDB2746	03/14/2020	SO
SW-8270	Pentachlorophenol	<100		mg/L	1	0.00247	100	BDB2746	03/14/2020	SO
SW-8270	Pyridine	<5.00		mg/L	1	0.00247	5.00	BDB2746	03/14/2020	SO
SW-8270	*Surrogate: 2-Fluorobiphenyl-surr*	*67.7%*		*60-140*					*03/14/2020*	
SW-8270	*Surrogate: 2-Fluorophenol-surr*	*80.9%*		*60-140*					*03/14/2020*	
SW-8270	*Surrogate: 2,4,6-Tribromophenol-surr*	*72.1%*		*60-140*					*03/14/2020*	
SW-8270	*Surrogate: Nitrobenzene-d5-surr*	*80.5%*		*60-140*					*03/14/2020*	
SW-8270	*Surrogate: Phenol-d5-surr*	*87.9%*		*60-140*					*03/14/2020*	
SW-8270	*Surrogate: p-Terphenyl-d14-surr*	*61.7%*		*60-140*					*03/14/2020*	
SW-8260	1,1-Dichloroethylene	<0.700		mg/L	20	0.0170	0.700	BDB3094	02/20/2020	JM
SW-8260	1,2-Dichloroethane (Ethylene dichloride)	<0.500		mg/L	20	0.0174	0.500	BDB3094	02/20/2020	JM
SW-8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	<7.50		mg/L	20	0.0128	7.50	BDB3094	02/20/2020	JM
SW-8260	2-Butanone (Methyl ethyl ketone, MEK)	<200		mg/L	20	0.148	200	BDB3094	02/20/2020	JM
SW-8260	Benzene	<0.500		mg/L	20	0.0121	0.500	BDB3094	02/20/2020	JM
SW-8260	Carbon tetrachloride	<0.500		mg/L	20	0.0100	0.500	BDB3094	02/20/2020	JM
SW-8260	Chlorobenzene	<100		mg/L	20	0.0145	100	BDB3094	02/20/2020	JM
SW-8260	Chloroform	<6.00		mg/L	20	0.0138	6.00	BDB3094	02/20/2020	JM
SW-8260	Tetrachloroethylene (Perchloroethylene)	<0.700		mg/L	20	0.0141	0.700	BDB3094	02/20/2020	JM
SW-8260	Trichloroethene (Trichloroethylene)	<0.500		mg/L	20	0.0149	0.500	BDB3094	02/20/2020	JM
SW-8260	Vinyl chloride (Chloroethane)	<0.200		mg/L	20	0.0260	0.200	BDB3094	02/20/2020	JM
SW-8260	*Surrogate: 1,2-Dichloroethane-d4-surr*	*101%*		*70-130*					*02/20/2020*	
SW-8260	*Surrogate: 4-Bromofluorobenzene-surr*	*97.8%*		*70-130*					*02/20/2020*	

NWDLS
Northwest Data Laboratory Services

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Sample Results
(Continued)

Client Sample ID: Digester (Continued)
Lab Sample ID: 20B1824-01
Sample Alias:

Sample Matrix: Solid
Date Collected: 02/11/2020 11:35
Collected by: Derek Henry

Method	Analyte	Result Q	Units	DF	SDL	LRL	Batch	Date Analyzed	Analyst
TCLP (Continued)									
SW-8260	*Surrogate: Toluene-d8-surr*	*93.7%*	*70-130*					*02/20/2020*	
SW-8260	*Surrogate: Dibromofluoromethane-surr*	*93.7%*	*70-130*					*02/20/2020*	

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Sample Results
(Continued)

Client Sample ID: Digester
Lab Sample ID: 20B1824-01RE1
Sample Alias:

Sample Matrix: Solid
Date Collected: 02/11/2020 11:35
Collected by: Derek Henry

Method	Analyte	Result	Q	Units	DF	SDL	LRL	Batch	Date Analyzed	Analyst
Organics by GC										
SW-8082	PCBs, Total (Rerun)	<1560		ug/kg dry	10	782	1560	BDD2560	04/03/2020	KRB
SW-8082	*Surrogate: 2,4,5,6 Tetrachloro-m-xylene-sun*	*64.1%*		*60-140*					*04/03/2020*	
SW-8082	*Surrogate: Decachlorobiphenyl-surr (Rerun)*	*74.5%*		*60-140*					*04/03/2020*	

NWDLS
130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB2326 - SW-3570										
Blank (BDB2326-BLK1)			Prepared: 02/14/2020 Analyzed: 02/28/2020							
PCBs, Total	<20.0		20.0	ug/kg wet						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*4.56*	*ug/kg wet*	*5.99*		*76.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.52*	*ug/kg wet*	*5.99*		*92.1*	*60-140*		
LCS (BDB2326-BS1)			Prepared: 02/14/2020 Analyzed: 02/28/2020							
Aroclor-1016 (PCB-1016)	20.6	J1	19.8	ug/kg wet	59.4		34.6	60-140		
Aroclor-1260 (PCB-1260)	26.4	J1	19.8	ug/kg wet	59.4		44.5	60-140		
PCBs, Total	25.2	J1	19.8	ug/kg wet	59.4		42.4	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*3.04*	*ug/kg wet*	*5.94*		*51.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.52*	*ug/kg wet*	*5.94*		*93.0*	*60-140*		
LCS Dup (BDB2326-BSD1)			Prepared: 02/14/2020 Analyzed: 02/28/2020							
Aroclor-1016 (PCB-1016)	20.5	J1	20.0	ug/kg wet	60.0		34.1	60-140	0.382	40
Aroclor-1260 (PCB-1260)	26.0	J1	20.0	ug/kg wet	60.0		43.3	60-140	1.77	40
PCBs, Total	24.8	J1	20.0	ug/kg wet	60.0		41.4	60-140	1.31	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*3.07*	*ug/kg wet*	*6.00*		*51.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.09*	*ug/kg wet*	*6.00*		*84.8*	*60-140*		
Matrix Spike (BDB2326-MS1)	**Source: 20B1351-01**		Prepared: 02/14/2020 Analyzed: 02/28/2020							
Aroclor-1016 (PCB-1016)	2410	J1	2380	ug/kg dry	7130	<2380	33.8	60-140		
Aroclor-1260 (PCB-1260)	2650	J1	2380	ug/kg dry	7130	<2380	37.2	60-140		
PCBs, Total	2650	J1	2380	ug/kg dry	7130	<2380	37.2	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*404*	*ug/kg dry*	*713*		*56.6*	*60-140*		
Surrogate: Decachlorobiphenyl-surr	*S*		*416*	*ug/kg dry*	*713*		*58.4*	*60-140*		
Matrix Spike Dup (BDB2326-MSD1)	**Source: 20B1351-01**		Prepared: 02/14/2020 Analyzed: 02/28/2020							
Aroclor-1016 (PCB-1016)	2860	J1	2360	ug/kg dry	7090	<2360	40.4	60-140	17.4	40
Aroclor-1260 (PCB-1260)	3520	J1	2360	ug/kg dry	7090	<2360	49.7	60-140	28.3	40
PCBs, Total	3390	J1	2360	ug/kg dry	7090	<2360	47.8	60-140	24.3	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*502*	*ug/kg dry*	*709*		*70.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*576*	*ug/kg dry*	*709*		*81.3*	*60-140*		

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDD2560 - SW-3570										
Blank (BDD2560-BLK1)			Prepared: 03/23/2020 Analyzed: 04/03/2020							
PCBs, Total	<20.0		20.0	ug/kg wet						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*2.14*	*ug/kg wet*	*5.99*		*35.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*4.18*	*ug/kg wet*	*5.99*		*69.8*	*60-140*		
LCS (BDD2560-BS1)			Prepared: 03/23/2020 Analyzed: 04/03/2020							
PCBs, Total	59.6		19.4	ug/kg wet	58.2		102	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*2.27*	*ug/kg wet*	*5.82*		*38.9*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*6.08*	*ug/kg wet*	*5.82*		*104*	*60-140*		
LCS Dup (BDD2560-BSD1)			Prepared: 03/23/2020 Analyzed: 04/03/2020							
PCBs, Total	51.7		20.0	ug/kg wet	59.9		86.3	60-140	14.1	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*2.38*	*ug/kg wet*	*5.99*		*39.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*5.03*	*ug/kg wet*	*5.99*		*83.9*	*60-140*		
Matrix Spike (BDD2560-MS1)		**Source: 20B1824-01RE1**	Prepared: 03/23/2020 Analyzed: 04/03/2020							
PCBs, Total	3240		1560	ug/kg dry	4680	<1560	69.3	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*291*	*ug/kg dry*	*468*		*62.1*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*335*	*ug/kg dry*	*468*		*71.6*	*60-140*		
Matrix Spike Dup (BDD2560-MSD1)		**Source: 20B1824-01RE1**	Prepared: 03/23/2020 Analyzed: 04/03/2020							
PCBs, Total	3160		1590	ug/kg dry	4770	<1590	66.3	60-140	2.59	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr	*S*		*275*	*ug/kg dry*	*477*		*57.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*309*	*ug/kg dry*	*477*		*64.7*	*60-140*		

NWDLS
130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB2335 - SW-7471										
Blank (BDB2335-BLK1)					Prepared & Analyzed: 02/19/2020					
Mercury	<0.0200		0.0200	mg/kg wet						
LCS (BDB2335-BS1)					Prepared & Analyzed: 02/19/2020					
Mercury	0.268		0.0200	mg/kg wet	0.250		107	80-120		
Matrix Spike (BDB2335-MS1)		**Source: 20B1234-01**			Prepared & Analyzed: 02/19/2020					
Mercury	0.452		0.0265	mg/kg dry	0.331	0.159	88.5	80-120		
Matrix Spike (BDB2335-MS2)		**Source: 20B1468-01**			Prepared & Analyzed: 02/19/2020					
Mercury	0.743		0.0437	mg/kg dry	0.546	0.232	93.6	80-120		
Matrix Spike Dup (BDB2335-MSD1)		**Source: 20B1234-01**			Prepared & Analyzed: 02/19/2020					
Mercury	0.479		0.0265	mg/kg dry	0.331	0.159	96.6	80-120	5.82	20
Matrix Spike Dup (BDB2335-MSD2)		**Source: 20B1468-01**			Prepared & Analyzed: 02/19/2020					
Mercury	0.781		0.0437	mg/kg dry	0.546	0.232	101	80-120	4.95	20
Batch: BDB3184 - SW-3050 for 6010										
Blank (BDB3184-BLK1)					Prepared: 02/26/2020 Analyzed: 02/28/2020					
Arsenic	<2.00		2.00	mg/kg wet						
Cadmium	<0.100		0.100	mg/kg wet						
Chromium	<1.00		1.00	mg/kg wet						
Copper	<2.00		2.00	mg/kg wet						
Lead	<1.00		1.00	mg/kg wet						
Molybdenum	<1.00		1.00	mg/kg wet						
Nickel	<1.00		1.00	mg/kg wet						
Potassium	<200		200	mg/kg wet						
Selenium	<2.00		2.00	mg/kg wet						
Total Phosphorus	<100		100	mg/kg wet						
Zinc	<1.00		1.00	mg/kg wet						

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB3184 - SW-3050 for 6010 (Continued)										
LCS (BDB3184-BS1)					Prepared: 02/26/2020 Analyzed: 02/28/2020					
Arsenic	51.4		2.00	mg/kg wet	50.0		103	80-120		
Cadmium	5.26		0.100	mg/kg wet	5.00		105	80-120		
Chromium	25.7		1.00	mg/kg wet	25.0		103	80-120		
Copper	50.7		2.00	mg/kg wet	50.0		101	80-120		
Lead	26.0		1.00	mg/kg wet	25.0		104	80-120		
Molybdenum	25.4		1.00	mg/kg wet	25.0		101	80-120		
Nickel	25.3		1.00	mg/kg wet	25.0		101	80-120		
Potassium	5310		200	mg/kg wet	5000		106	80-120		
Selenium	51.3		2.00	mg/kg wet	50.0		103	80-120		
Zinc	24.8		1.00	mg/kg wet	25.0		99.2	80-120		
Matrix Spike (BDB3184-MS1)		**Source: 20B0865-03**			Prepared: 02/26/2020 Analyzed: 02/28/2020					
Arsenic	55.7		2.01	mg/kg dry	50.2	4.84	101	75-125		
Cadmium	6.00		0.101	mg/kg dry	5.02	0.924	101	75-125		
Chromium	51.6		20.1	mg/kg dry	25.1	31.2	81.1	75-125		
Copper	1090		40.1	mg/kg dry	1050	157	88.8	75-125		
Lead	57.9		20.1	mg/kg dry	25.1	34.4	93.5	75-125		
Molybdenum	32.1		1.01	mg/kg dry	25.1	8.56	93.7	75-125		
Nickel	40.6		1.01	mg/kg dry	25.1	17.2	93.1	75-125		
Potassium	8670		201	mg/kg dry	5020	3280	107	75-125		
Selenium	54.6		2.01	mg/kg dry	50.2	4.63	99.5	75-125		
Total Phosphorus	18900		2010	mg/kg dry	10000	9750	90.9	75-125		
Zinc	1510		50.3	mg/kg dry	1030	668	82.0	75-125		
Matrix Spike (BDB3184-MS2)		**Source: 20B1386-01**			Prepared: 02/26/2020 Analyzed: 02/28/2020					
Arsenic	55.6		2.21	mg/kg dry	55.4	2.53	95.8	75-125		
Cadmium	6.10		0.111	mg/kg dry	5.54	0.585	99.7	75-125		
Chromium	43.1		1.11	mg/kg dry	27.7	17.6	92.4	75-125		
Copper	1610		111	mg/kg dry	1160	456	99.4	75-125		
Lead	35.0		1.11	mg/kg dry	27.7	7.83	98.3	75-125		
Molybdenum	32.9		1.11	mg/kg dry	27.7	7.07	93.5	75-125		
Nickel	36.3		1.11	mg/kg dry	27.7	10.0	95.1	75-125		
Potassium	8440		221	mg/kg dry	5540	3010	98.1	75-125		
Selenium	94.2		2.21	mg/kg dry	55.4	38.3	101	75-125		
Total Phosphorus	22600		5550	mg/kg dry	11100	11200	103	75-125		
Zinc	1750		55.5	mg/kg dry	1130	649	96.6	75-125		

NWDLS
North Water District Laboratory Services, LLC

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB3184 - SW-3050 for 6010 (Continued)										
Matrix Spike Dup (BDB3184-MSD1)	**Source: 20B0865-03**			Prepared: 02/26/2020 Analyzed: 02/28/2020						
Arsenic	53.8		2.02	mg/kg dry	50.5	4.84	97.0	75-125	3.45	20
Cadmium	5.76		0.101	mg/kg dry	5.05	0.924	95.9	75-125	4.10	20
Chromium	54.1		20.2	mg/kg dry	25.2	31.2	90.7	75-125	4.81	20
Copper	1150		40.3	mg/kg dry	1060	157	93.6	75-125	5.08	20
Lead	60.8		20.2	mg/kg dry	25.2	34.4	105	75-125	4.93	20
Molybdenum	30.5		1.01	mg/kg dry	25.2	8.56	87.1	75-125	4.90	20
Nickel	38.9		1.01	mg/kg dry	25.2	17.2	86.1	75-125	4.09	20
Potassium	8130		202	mg/kg dry	5050	3280	96.1	75-125	6.46	20
Selenium	52.5		2.02	mg/kg dry	50.5	4.63	94.9	75-125	3.87	20
Total Phosphorus	19700		2020	mg/kg dry	10100	9750	98.7	75-125	4.34	20
Zinc	1590		50.6	mg/kg dry	1030	668	89.2	75-125	5.12	20
Matrix Spike Dup (BDB3184-MSD2)	**Source: 20B1386-01**			Prepared: 02/26/2020 Analyzed: 02/28/2020						
Arsenic	53.1		2.16	mg/kg dry	54.0	2.53	93.6	75-125	4.58	20
Cadmium	5.90		0.108	mg/kg dry	5.40	0.585	98.5	75-125	3.31	20
Chromium	42.8		1.08	mg/kg dry	27.0	17.6	93.4	75-125	0.806	20
Copper	1550		108	mg/kg dry	1130	456	96.2	75-125	4.07	20
Lead	34.0		1.08	mg/kg dry	27.0	7.83	97.1	75-125	2.89	20
Molybdenum	31.8		1.08	mg/kg dry	27.0	7.07	91.5	75-125	3.64	20
Nickel	35.4		1.08	mg/kg dry	27.0	10.0	93.9	75-125	2.66	20
Potassium	8230		216	mg/kg dry	5400	3010	96.8	75-125	2.42	20
Selenium	89.8		2.16	mg/kg dry	54.0	38.3	95.3	75-125	4.84	20
Total Phosphorus	22200		5410	mg/kg dry	10800	11200	102	75-125	1.66	20
Zinc	1690		54.1	mg/kg dry	1110	649	93.9	75-125	3.34	20
Post Spike (BDB3184-PS1)	**Source: 20B0865-03**			Prepared: 02/26/2020 Analyzed: 02/28/2020						
Arsenic	546			ug/L	500	45.4	100	80-120		
Cadmium	59.2			ug/L	50.0	8.66	101	80-120		
Chromium	514			ug/L	250	293	88.4	80-120		
Copper	11600			ug/L	10500	1470	96.6	80-120		
Lead	548			ug/L	250	323	90.1	80-120		
Molybdenum	313			ug/L	250	80.3	93.0	80-120		
Nickel	392			ug/L	250	161	92.2	80-120		
Potassium	81100			ug/L	50000	30800	101	80-120		
Selenium	540			ug/L	500	43.4	99.4	80-120		
Total Phosphorus	192000			ug/L	100000	91500	100	80-120		
Zinc	15800			ug/L	10200	6260	92.6	80-120		

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB3184 - SW-3050 for 6010 (Continued)										
Post Spike (BDB3184-PS2)		**Source: 20B1386-01**		Prepared: 02/26/2020 Analyzed: 02/28/2020						
Arsenic	511			ug/L	500	21.5	98.0	80-120		
Cadmium	56.1			ug/L	50.0	4.97	102	80-120		
Chromium	388			ug/L	250	149	95.5	80-120		
Copper	14500			ug/L	10500	3880	101	80-120		
Lead	315			ug/L	250	66.5	99.5	80-120		
Molybdenum	295			ug/L	250	60.1	93.9	80-120		
Nickel	324			ug/L	250	85.0	95.4	80-120		
Potassium	77200			ug/L	50000	25600	103	80-120		
Selenium	827			ug/L	500	325	100	80-120		
Total Phosphorus	197000			ug/L	100000	95300	102	80-120		
Zinc	15500			ug/L	10200	5520	97.6	80-120		
Dilution Check (BDB3184-SRL1)		**Source: 20B0865-03**		Prepared: 02/26/2020 Analyzed: 02/28/2020						
Arsenic	<10.1		10.1	mg/kg dry		<10.1			200	10
Cadmium	0.930		0.505	mg/kg dry		0.924			0.679	10
Chromium	31.3		5.05	mg/kg dry		31.2			0.332	10
Copper	160		10.1	mg/kg dry		157			2.36	10
Lead	35.4		5.05	mg/kg dry		34.4			2.87	10
Molybdenum	9.32		5.05	mg/kg dry		8.56			8.48	10
Nickel	17.6		5.05	mg/kg dry		17.2			2.49	10
Potassium	3330		1010	mg/kg dry		3280			1.58	10
Selenium	7.90		10.1	mg/kg dry		<10.1			52.2	10
Total Phosphorus	10000		505	mg/kg dry		9750			2.96	10
Dilution Check (BDB3184-SRL2)		**Source: 20B1386-01**		Prepared: 02/26/2020 Analyzed: 02/28/2020						
Arsenic	<11.1		11.1	mg/kg dry		<11.1			200	10
Cadmium	0.761		0.557	mg/kg dry		0.585			26.1	10
Chromium	17.1		5.57	mg/kg dry		17.6			2.55	10
Lead	9.32		5.57	mg/kg dry		7.83			17.4	10
Molybdenum	7.04		5.57	mg/kg dry		7.07			0.401	10
Nickel	24.6		5.57	mg/kg dry		10.0			84.3	10
Potassium	2960		1110	mg/kg dry		3010			1.65	10
Selenium	33.2		11.1	mg/kg dry		38.3			14.4	10
Total Phosphorus	11400		557	mg/kg dry		11200			1.26	10

NWDLS
Northwest District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB1455 - Percent Solids										
Blank (BDB1455-BLK1)					Prepared: 02/12/2020 Analyzed: 02/13/2020					
% Solids	<0.100		0.100	%						
Duplicate (BDB1455-DUP1)			**Source: 20B0315-06**		Prepared: 02/12/2020 Analyzed: 02/13/2020					
% Solids	1.51		0.100	%		1.52			0.638	10
Reference (BDB1455-SRM1)					Prepared: 02/12/2020 Analyzed: 02/13/2020					
% Solids	0.369		0.100	%	0.350		105	78.9-118		
Batch: BDB1515 - EPA 300.0										
Duplicate (BDB1515-DUP1)			**Source: 20B1769-01**		Prepared: 02/11/2020 Analyzed: 02/12/2020					
Nitrate as N	<84.5		84.5	mg/kg dry		<84.5				15
Matrix Spike (BDB1515-MS1)			**Source: 20B1769-01**		Prepared: 02/11/2020 Analyzed: 02/12/2020					
Nitrate as N	7790		84.5	mg/kg dry	8450	<84.5	92.1	80-120		
Batch: BDB2656 - TKN T										
Blank (BDB2656-BLK1)					Prepared: 02/20/2020 Analyzed: 02/21/2020					
Total Kjeldahl Nitrogen - (TKN)	<25.0		25.0	mg/kg wet						
LCS (BDB2656-BS1)					Prepared: 02/20/2020 Analyzed: 02/21/2020					
Total Kjeldahl Nitrogen - (TKN)	98.0		25.0	mg/kg wet	98.0		100	85-115		
Duplicate (BDB2656-DUP1)			**Source: 20A2528-50**		Prepared: 02/20/2020 Analyzed: 02/21/2020					
Total Kjeldahl Nitrogen - (TKN)	443		396	mg/kg dry		499			11.8	20

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB2656 - TKN T (Continued)										
MRL Check (BDB2656-MRL1)					Prepared: 02/20/2020 Analyzed: 02/21/2020					
Total Kjeldahl Nitrogen - (TKN)	62.9	J1	25.5	mg/kg wet	23.4		269	50-150		
Matrix Spike (BDB2656-MS1)		**Source: 20A2528-50**			Prepared: 02/20/2020 Analyzed: 02/21/2020					
Total Kjeldahl Nitrogen - (TKN)	1520	J1	330	mg/kg dry	1290	499	78.6	85-115		
Batch: BDB3007 - NH3-N T										
Blank (BDB3007-BLK1)					Prepared: 02/24/2020 Analyzed: 02/25/2020					
Ammonia as N	<100		100	mg/kg wet						
LCS (BDB3007-BS1)					Prepared: 02/24/2020 Analyzed: 02/25/2020					
Ammonia as N	1990		101	mg/kg wet	2020		98.6	85-115		
Duplicate (BDB3007-DUP1)		**Source: 20B1288-01**			Prepared: 02/24/2020 Analyzed: 02/25/2020					
Ammonia as N	<4690		4690	mg/kg dry		<4690				20
Matrix Spike (BDB3007-MS1)		**Source: 20B1288-01**			Prepared: 02/24/2020 Analyzed: 02/25/2020					
Ammonia as N	93900		4640	mg/kg dry	92800	<4640	101	85-115		

NWDLS
North Water District Laboratory Services

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

TCLP

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB2746 - SW-3511										
Blank (BDB2746-BLK1)				Prepared: 02/20/2020 Analyzed: 03/14/2020						
2,4,5-Trichlorophenol	<400		400	mg/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.130		0.130	mg/L						
2-Methylphenol	<200		200	mg/L						
3,4-Methylphenol	<200		200	mg/L						
2,4,6-Trichlorophenol	<2.00		2.00	mg/L						
Pentachlorophenol	<100		100	mg/L						
Hexachlorobutadiene	<0.500		0.500	mg/L						
Hexachloroethane	<3.00		3.00	mg/L						
Pyridine	<5.00		5.00	mg/L						
Nitrobenzene	<2.00		2.00	mg/L						
Hexachlorobenzene	<0.130		0.130	mg/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.00927*	*mg/L*	*0.00996*		*93.1*	*60-140*		
Surrogate: 2-Fluorophenol-surr			*0.0224*	*mg/L*	*0.0199*		*112*	*60-140*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0229*	*mg/L*	*0.0199*		*115*	*60-140*		
Surrogate: Nitrobenzene-d5-surr			*0.0108*	*mg/L*	*0.00996*		*109*	*60-140*		
Surrogate: Phenol-d5-surr			*0.0228*	*mg/L*	*0.0199*		*115*	*60-140*		
Surrogate: p-Terphenyl-d14-surr			*0.0111*	*mg/L*	*0.00996*		*112*	*60-140*		
LCS (BDB2746-BS1)				Prepared: 02/20/2020 Analyzed: 03/14/2020						
2,4,6-Trichlorophenol	0.0136		2.00	mg/L	0.0200		68.1	60-140		
2,4,5-Trichlorophenol	0.0142		400	mg/L	0.0200		71.0	60-140		
Nitrobenzene	0.00778		2.00	mg/L	0.0100		77.8	60-140		
2-Methylphenol	0.0116	J1	200	mg/L	0.0200		58.1	60-140		
3,4-Methylphenol	0.0187		200	mg/L	0.0300		62.2	60-140		
Hexachlorobutadiene	0.00332	J1	0.500	mg/L	0.0100		33.2	60-140		
Hexachloroethane	0.00524	J1	3.00	mg/L	0.0100		52.4	60-140		
Hexachlorobenzene	0.00763		0.130	mg/L	0.0100		76.3	60-140		
2,4-Dinitrotoluene (2,4-DNT)	0.00802		0.130	mg/L	0.0100		80.2	60-140		
Pyridine	0.0117	J1	5.00	mg/L	0.0500		23.5	60-140		
Pentachlorophenol	0.0146		100	mg/L	0.0200		72.8	60-140		
Surrogate: 2-Fluorobiphenyl-surr			*0.00879*	*mg/L*	*0.0100*		*87.9*	*60-140*		
Surrogate: 2-Fluorophenol-surr			*0.0219*	*mg/L*	*0.0200*		*109*	*60-140*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0244*	*mg/L*	*0.0200*		*122*	*60-140*		
Surrogate: Nitrobenzene-d5-surr			*0.0107*	*mg/L*	*0.0100*		*107*	*60-140*		
Surrogate: Phenol-d5-surr			*0.0228*	*mg/L*	*0.0200*		*114*	*60-140*		
Surrogate: p-Terphenyl-d14-surr			*0.0119*	*mg/L*	*0.0100*		*119*	*60-140*		

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB2746 - SW-3511 (Continued)										
LCS Dup (BDB2746-BSD1)					Prepared: 02/20/2020 Analyzed: 03/14/2020					
2-Methylphenol	0.0110	J1	200	mg/L	0.0199		55.1	60-140	5.81	40
Pyridine	0.0142	J1	5.00	mg/L	0.0497		28.6	60-140	19.3	40
3,4-Methylphenol	0.0188		200	mg/L	0.0298		62.9	60-140	0.485	40
Hexachlorobenzene	0.00753		0.130	mg/L	0.00995		75.7	60-140	1.30	40
Nitrobenzene	0.00760		2.00	mg/L	0.00995		76.4	60-140	2.24	40
Hexachloroethane	0.00538	J1	3.00	mg/L	0.00995		54.0	60-140	2.59	40
Pentachlorophenol	0.0134		100	mg/L	0.0199		67.3	60-140	8.46	40
Hexachlorobutadiene	0.00417	J1	0.500	mg/L	0.00995		41.9	60-140	22.9	40
2,4-Dinitrotoluene (2,4-DNT)	0.00785		0.130	mg/L	0.00995		78.9	60-140	2.18	40
2,4,6-Trichlorophenol	0.0134		2.00	mg/L	0.0199		67.2	60-140	1.93	40
2,4,5-Trichlorophenol	0.0139		400	mg/L	0.0199		69.6	60-140	2.39	40
Surrogate: 2-Fluorobiphenyl-surr			*0.00899*	*mg/L*	*0.00995*		*90.3*	*60-140*		
Surrogate: 2-Fluorophenol-surr			*0.0217*	*mg/L*	*0.0199*		*109*	*60-140*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0232*	*mg/L*	*0.0199*		*117*	*60-140*		
Surrogate: Nitrobenzene-d5-surr			*0.0105*	*mg/L*	*0.00995*		*105*	*60-140*		
Surrogate: Phenol-d5-surr			*0.0217*	*mg/L*	*0.0199*		*109*	*60-140*		
Surrogate: p-Terphenyl-d14-surr			*0.0111*	*mg/L*	*0.00995*		*112*	*60-140*		
Matrix Spike (BDB2746-MS1)		**Source: 20B2186-01**			Prepared: 02/20/2020 Analyzed: 03/14/2020					
Hexachloroethane	0.0186	J1	3.00	mg/L	0.0387	<3.00	48.2	60-140		
2,4,5-Trichlorophenol	0.0488		400	mg/L	0.0774	<400	63.1	60-140		
Nitrobenzene	0.0317		2.00	mg/L	0.0387	<2.00	82.0	60-140		
Hexachlorobutadiene	0.0152	J1	0.500	mg/L	0.0387	<0.500	39.3	60-140		
2,4-Dinitrotoluene (2,4-DNT)	0.0269		0.130	mg/L	0.0387	<0.130	69.6	60-140		
2,4,6-Trichlorophenol	0.0485		2.00	mg/L	0.0774	<2.00	62.7	60-140		
Pyridine	0.0209	J1	5.00	mg/L	0.193	<5.00	10.8	60-140		
Pentachlorophenol	0.0438	J1	100	mg/L	0.0774	<100	56.6	60-140		
2-Methylphenol	0.0496		200	mg/L	0.0774	0.00257	60.8	60-140		
Hexachlorobenzene	0.0271		0.130	mg/L	0.0387	<0.130	69.9	60-140		
3,4-Methylphenol	0.0746		200	mg/L	0.116	<200	64.3	60-140		
Surrogate: 2-Fluorobiphenyl-surr			*0.0359*	*mg/L*	*0.0387*		*92.9*	*60-140*		
Surrogate: 2-Fluorophenol-surr			*0.0818*	*mg/L*	*0.0774*		*106*	*60-140*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0751*	*mg/L*	*0.0774*		*97.1*	*60-140*		
Surrogate: Nitrobenzene-d5-surr			*0.0380*	*mg/L*	*0.0387*		*98.3*	*60-140*		
Surrogate: Phenol-d5-surr			*0.0847*	*mg/L*	*0.0774*		*109*	*60-140*		
Surrogate: p-Terphenyl-d14-surr			*0.0393*	*mg/L*	*0.0387*		*102*	*60-140*		

NWDLS
North Water District Laboratory Services

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB2746 - SW-3511 (Continued)										
Matrix Spike Dup (BDB2746-MSD1)		**Source: 20B2186-01**		Prepared: 02/20/2020 Analyzed: 03/14/2020						
2,4-Dinitrotoluene (2,4-DNT)	0.0269		0.130	mg/L	0.0399	<0.130	67.5	60-140	0.0924	40
Pyridine	0.0180	J1	5.00	mg/L	0.199	<5.00	9.04	60-140	14.9	40
2,4,6-Trichlorophenol	0.0465	J1	2.00	mg/L	0.0798	<2.00	58.3	60-140	4.21	40
2-Methylphenol	0.0465	J1	200	mg/L	0.0798	0.00257	55.1	60-140	6.37	40
3,4-Methylphenol	0.0677	J1	200	mg/L	0.120	<200	56.6	60-140	9.73	40
Pentachlorophenol	0.0387	J1	100	mg/L	0.0798	<100	48.5	60-140	12.4	40
Hexachloroethane	0.0191	J1	3.00	mg/L	0.0399	<3.00	48.0	60-140	2.67	40
Hexachlorobutadiene	0.0142	J1	0.500	mg/L	0.0399	<0.500	35.7	60-140	6.53	40
Hexachlorobenzene	0.0270		0.130	mg/L	0.0399	<0.130	67.7	60-140	0.235	40
Nitrobenzene	0.0301		2.00	mg/L	0.0399	<2.00	75.4	60-140	5.34	40
2,4,5-Trichlorophenol	0.0501		400	mg/L	0.0798	<400	62.8	60-140	2.65	40
Surrogate: 2-Fluorobiphenyl-surr			*0.0323*	*mg/L*	*0.0399*		*81.1*	*60-140*		
Surrogate: 2-Fluorophenol-surr			*0.0728*	*mg/L*	*0.0798*		*91.3*	*60-140*		
Surrogate: 2,4,6-Tribromophenol-surr			*0.0704*	*mg/L*	*0.0798*		*88.2*	*60-140*		
Surrogate: Nitrobenzene-d5-surr			*0.0357*	*mg/L*	*0.0399*		*89.5*	*60-140*		
Surrogate: Phenol-d5-surr			*0.0804*	*mg/L*	*0.0798*		*101*	*60-140*		
Surrogate: p-Terphenyl-d14-surr			*0.0370*	*mg/L*	*0.0399*		*92.9*	*60-140*		
Batch: BDB2896 - SW-3511										
Blank (BDB2896-BLK1)				Prepared: 02/21/2020 Analyzed: 02/29/2020						
2,4-D	<10.0		10.0	mg/L						
Silvex (2,4,5-TP)	<1.00		1.00	mg/L						
Surrogate: DCAA-surr			*0.0318*	*mg/L*	*0.0250*		*127*	*70-130*		
LCS (BDB2896-BS1)				Prepared: 02/21/2020 Analyzed: 02/29/2020						
2,4-D	0.00706		10.0	mg/L	0.00992		71.1	70-130		
Silvex (2,4,5-TP)	0.00249		1.00	mg/L	0.00247		101	70-130		
Surrogate: DCAA-surr	*S*		*0.0339*	*mg/L*	*0.0248*		*137*	*70-130*		

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB2896 - SW-3511 (Continued)										
LCS Dup (BDB2896-BSD1)				Prepared: 02/21/2020 Analyzed: 02/29/2020						
2,4-D	0.00656	J1	10.0	mg/L	0.00993		66.0	70-130	7.33	30
Silvex (2,4,5-TP)	0.00229		1.00	mg/L	0.00247		92.7	70-130	8.37	30
Surrogate: DCAA-surr			*0.0302*	*mg/L*	*0.0248*		*122*	*70-130*		
Leach Fluid Blank (BDB2896-LBK1)				Prepared: 02/21/2020 Analyzed: 02/29/2020						
2,4-D	<10.0		10.0	mg/L						
Silvex (2,4,5-TP)	<1.00		1.00	mg/L						
Surrogate: DCAA-surr		*S*	*0.142*	*mg/L*	*0.0969*		*147*	*70-130*		
Leach Fluid Blank (BDB2896-LBK2)				Prepared: 02/21/2020 Analyzed: 02/29/2020						
2,4-D	<10.0		10.0	mg/L						
Silvex (2,4,5-TP)	<1.00		1.00	mg/L						
Surrogate: DCAA-surr		*S*	*0.141*	*mg/L*	*0.0978*		*144*	*70-130*		
Matrix Spike (BDB2896-MS1)		**Source: 20B1955-01**		Prepared: 02/21/2020 Analyzed: 02/29/2020						
2,4-D	0.0298		10.0	mg/L	0.0393	<10.0	75.8	70-130		
Silvex (2,4,5-TP)	0.0101		1.00	mg/L	0.00979	<1.00	103	70-130		
Surrogate: DCAA-surr		*S*	*0.139*	*mg/L*	*0.0983*		*142*	*70-130*		
Matrix Spike Dup (BDB2896-MSD1)		**Source: 20B1955-01**		Prepared: 02/21/2020 Analyzed: 02/29/2020						
2,4-D	0.0296		10.0	mg/L	0.0395	<10.0	75.0	70-130	0.531	30
Silvex (2,4,5-TP)	0.0107		1.00	mg/L	0.00984	<1.00	109	70-130	5.70	30
Surrogate: DCAA-surr		*S*	*0.129*	*mg/L*	*0.0988*		*131*	*70-130*		
Batch: BDB2904 - SW-7471 TCLP										
Blank (BDB2904-BLK1)				Prepared & Analyzed: 02/24/2020						
Mercury	<0.200		0.200	mg/L						

NWDLS
North Water District Laboratory Services

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB2904 - SW-7471 TCLP (Continued)										
LCS (BDB2904-BS1)					Prepared & Analyzed: 02/24/2020					
Mercury	0.00510		0.200	mg/L	0.00500		102	80-120		
Duplicate (BDB2904-DUP1)		**Source: 20B1824-01**			Prepared & Analyzed: 02/24/2020					
Mercury	<0.200		0.200	mg/L		<0.200				200
Duplicate (BDB2904-DUP2)		**Source: 20B2607-01**			Prepared & Analyzed: 02/24/2020					
Mercury	<0.200		0.200	mg/L		<0.200				200
Leach Fluid Blank (BDB2904-LBK1)					Prepared & Analyzed: 02/24/2020					
Mercury	<0.200		0.200	mg/L						
Leach Fluid Blank (BDB2904-LBK2)					Prepared & Analyzed: 02/24/2020					
Mercury	<0.200		0.200	mg/L						
Leach Fluid Blank (BDB2904-LBK3)					Prepared & Analyzed: 02/24/2020					
Mercury	<0.200		0.200	mg/L						
Leach Fluid Blank (BDB2904-LBK4)					Prepared & Analyzed: 02/24/2020					
Mercury	<0.200		0.200	mg/L						
Leach Fluid Blank (BDB2904-LBK5)					Prepared & Analyzed: 02/24/2020					
Mercury	<0.200		0.200	mg/L						
Leach Fluid Blank (BDB2904-LBK6)					Prepared & Analyzed: 02/24/2020					
Mercury	<0.200		0.200	mg/L						
Matrix Spike (BDB2904-MS1)		**Source: 20B1824-01**			Prepared & Analyzed: 02/24/2020					
Mercury	0.00514		0.200	mg/L	0.00500	<0.200	103	80-120		

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB2904 - SW-7471 TCLP (Continued)										
Matrix Spike (BDB2904-MS2)	**Source: 20B2607-01**				Prepared & Analyzed: 02/24/2020					
Mercury	0.00510		0.200	mg/L	0.00500	<0.200	102	80-120		
Batch: BDB3090 - SW-3511										
Blank (BDB3090-BLK1)					Prepared: 02/21/2020 Analyzed: 02/25/2020					
Chlordane (tech.)	<0.0300		0.0300	mg/L						
Endrin	<0.0200		0.0200	mg/L						
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	<0.400		0.400	mg/L						
Heptachlor	<0.00800		0.00800	mg/L						
Heptachlor epoxide	<0.00800		0.00800	mg/L						
Methoxychlor	<10.0		10.0	mg/L						
Toxaphene (Chlorinated Camphene)	<0.500		0.500	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*9.47E-5*	*mg/L*	*0.000120*		*79.0*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000106*	*mg/L*	*0.000120*		*88.1*	*60-140*		
LCS (BDB3090-BS1)					Prepared: 02/21/2020 Analyzed: 02/25/2020					
Chlordane (tech.)	0.000445		0.0300	mg/L	0.000479		92.9	60-140		
Endrin	0.000108		0.0200	mg/L	0.000120		90.0	60-140		
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	0.000124		0.400	mg/L	0.000120		104	60-140		
Heptachlor	0.000116		0.00800	mg/L	0.000120		96.7	60-140		
Heptachlor epoxide	0.000108		0.00800	mg/L	0.000120		90.2	60-140		
Methoxychlor	0.000122		10.0	mg/L	0.000120		102	60-140		
Toxaphene (Chlorinated Camphene)	<0.500		0.500	mg/L				60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.94E-5*	*mg/L*	*0.000120*		*66.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000103*	*mg/L*	*0.000120*		*86.0*	*60-140*		
LCS (BDB3090-BS2)					Prepared: 02/21/2020 Analyzed: 02/25/2020					
Chlordane (tech.)	<0.0300		0.0300	mg/L				60-140		
Endrin	<0.0200		0.0200	mg/L				60-140		
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	<0.400		0.400	mg/L				60-140		
Heptachlor	<0.00800		0.00800	mg/L				60-140		
Heptachlor epoxide	<0.00800		0.00800	mg/L				60-140		
Methoxychlor	<10.0		10.0	mg/L				60-140		
Toxaphene (Chlorinated Camphene)	0.000993		0.500	mg/L	0.00120		82.7	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*8.07E-5*	*mg/L*	*0.000120*		*67.3*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000101*	*mg/L*	*0.000120*		*83.9*	*60-140*		

NWDLS
North Water District Laboratory Services Inc

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB3090 - SW-3511 (Continued)										
LCS Dup (BDB3090-BSD1)				Prepared: 02/21/2020 Analyzed: 02/25/2020						
Chlordane (tech.)	0.000412		0.0300	mg/L	0.000479		86.0	60-140	7.70	40
Endrin	0.000102		0.0200	mg/L	0.000120		85.3	60-140	5.32	40
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	0.000117		0.400	mg/L	0.000120		97.7	60-140	5.72	40
Heptachlor	0.000106		0.00800	mg/L	0.000120		88.8	60-140	8.53	40
Heptachlor epoxide	0.000102		0.00800	mg/L	0.000120		85.1	60-140	5.78	40
Methoxychlor	0.000116		10.0	mg/L	0.000120		97.1	60-140	5.02	40
Toxaphene (Chlorinated Camphene)	<0.500		0.500	mg/L				60-140		40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*7.23E-5*	*mg/L*	*0.000120*		*60.4*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*9.06E-5*	*mg/L*	*0.000120*		*75.7*	*60-140*		
LCS Dup (BDB3090-BSD2)				Prepared: 02/21/2020 Analyzed: 02/25/2020						
Chlordane (tech.)	<0.0300		0.0300	mg/L				60-140		40
Endrin	<0.0200		0.0200	mg/L				60-140		40
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	<0.400		0.400	mg/L				60-140		40
Heptachlor	<0.00800		0.00800	mg/L				60-140		40
Heptachlor epoxide	<0.00800		0.00800	mg/L				60-140		40
Methoxychlor	<10.0		10.0	mg/L				60-140		40
Toxaphene (Chlorinated Camphene)	0.00108		0.500	mg/L	0.00120		90.2	60-140	8.67	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*8.24E-5*	*mg/L*	*0.000120*		*68.7*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000104*	*mg/L*	*0.000120*		*86.6*	*60-140*		
Leach Fluid Blank (BDB3090-LBK1)				Prepared: 02/21/2020 Analyzed: 02/25/2020						
Chlordane (tech.)	<0.0300		0.0300	mg/L						
Endrin	<0.0200		0.0200	mg/L						
gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	4.96E-6		0.400	mg/L						
Heptachlor	<0.00800		0.00800	mg/L						
Heptachlor epoxide	<0.00800		0.00800	mg/L						
Methoxychlor	3.77E-5		10.0	mg/L						
Toxaphene (Chlorinated Camphene)	<0.500		0.500	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000489*	*mg/L*	*0.000598*		*81.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000448*	*mg/L*	*0.000598*		*74.9*	*60-140*		

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB3090 - SW-3511 (Continued)										
Leach Fluid Blank (BDB3090-LBK2)				Prepared: 02/21/2020 Analyzed: 02/25/2020						
Chlordane (tech.)	<0.0300		0.0300	mg/L						
Endrin	<0.0200		0.0200	mg/L						
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	6.48E-6		0.400	mg/L						
Heptachlor	<0.00800		0.00800	mg/L						
Heptachlor epoxide	<0.00800		0.00800	mg/L						
Methoxychlor	1.16E-5		10.0	mg/L						
Toxaphene (Chlorinated Camphene)	<0.500		0.500	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000391*	*mg/L*	*0.000597*		*65.5*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000537*	*mg/L*	*0.000597*		*90.0*	*60-140*		
Leach Fluid Blank (BDB3090-LBK3)				Prepared: 02/21/2020 Analyzed: 02/25/2020						
Chlordane (tech.)	<0.0300		0.0300	mg/L						
Endrin	1.13E-5		0.0200	mg/L						
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	<0.400		0.400	mg/L						
Heptachlor	<0.00800		0.00800	mg/L						
Heptachlor epoxide	<0.00800		0.00800	mg/L						
Methoxychlor	2.57E-5		10.0	mg/L						
Toxaphene (Chlorinated Camphene)	<0.500		0.500	mg/L						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000561*	*mg/L*	*0.000598*		*93.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000475*	*mg/L*	*0.000598*		*79.5*	*60-140*		
Matrix Spike (BDB3090-MS1)		**Source: 20B1854-01**		Prepared: 02/21/2020 Analyzed: 02/25/2020						
Chlordane (tech.)	0.00240		0.0300	mg/L	0.00239	0.000131	94.7	60-140		
Endrin	0.000590		0.0200	mg/L	0.000598	<0.0200	98.6	60-140		
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	0.000692		0.400	mg/L	0.000598	<0.400	116	60-140		
Heptachlor	0.000613		0.00800	mg/L	0.000598	<0.00800	102	60-140		
Heptachlor epoxide	0.000589		0.00800	mg/L	0.000598	<0.00800	98.4	60-140		
Methoxychlor	0.000725		10.0	mg/L	0.000598	<10.0	121	60-140		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000435*	*mg/L*	*0.000598*		*72.8*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000499*	*mg/L*	*0.000598*		*83.4*	*60-140*		

NWDLS
130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB3090 - SW-3511 (Continued)										
Matrix Spike Dup (BDB3090-MSD1)	**Source: 20B1854-01**		Prepared: 02/21/2020 Analyzed: 02/25/2020							
Chlordane (tech.)	0.00299		0.0300	mg/L	0.00236	0.000131	121	60-140	21.9	40
Endrin	0.000719		0.0200	mg/L	0.000589	<0.0200	122	60-140	19.8	40
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	0.000857	J1	0.400	mg/L	0.000589	<0.400	146	60-140	21.4	40
Heptachlor	0.000765		0.00800	mg/L	0.000589	<0.00800	130	60-140	22.1	40
Heptachlor epoxide	0.000731		0.00800	mg/L	0.000589	<0.00800	124	60-140	21.6	40
Methoxychlor	0.000879	J1	10.0	mg/L	0.000589	<10.0	149	60-140	19.2	40
Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr			*0.000555*	*mg/L*	*0.000589*		*94.2*	*60-140*		
Surrogate: Decachlorobiphenyl-surr			*0.000562*	*mg/L*	*0.000589*		*95.4*	*60-140*		
Batch: BDB3094 - SW-5030										
Blank (BDB3094-BLK1)			Prepared & Analyzed: 02/20/2020							
1,1-Dichloroethylene	<0.700		0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.500		0.500	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<7.50		7.50	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<200		200	mg/L						
Benzene	<0.500		0.500	mg/L						
Carbon tetrachloride	<0.500		0.500	mg/L						
Chlorobenzene	<100		100	mg/L						
Chloroform	<6.00		6.00	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.700		0.700	mg/L						
Trichloroethene (Trichloroethylene)	<0.500		0.500	mg/L						
Vinyl chloride (Chloroethane)	<0.200		0.200	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*47.0*	*ug/L*	*50.0*		*94.0*	*70-130*		
Surrogate: 4-Bromofurobenzene-surr			*42.3*	*ug/L*	*50.0*		*84.6*	*70-130*		
Surrogate: Toluene-d8-surr			*46.3*	*ug/L*	*50.0*		*92.7*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*45.7*	*ug/L*	*50.0*		*91.4*	*70-130*		

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB3094 - SW-5030 (Continued)										
LCS (BDB3094-BS1)					Prepared & Analyzed: 02/20/2020					
1,1-Dichloroethylene	0.0551		0.700	mg/L	0.0500		110	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0542		0.500	mg/L	0.0500		108	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0441		7.50	mg/L	0.0500		88.2	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.521		200	mg/L	0.500		104	70-130		
Benzene	0.0549		0.500	mg/L	0.0500		110	70-130		
Carbon tetrachloride	0.0518		0.500	mg/L	0.0500		104	70-130		
Chlorobenzene	0.0440		100	mg/L	0.0500		87.9	70-130		
Chloroform	0.0517		6.00	mg/L	0.0500		103	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0535		0.700	mg/L	0.0500		107	70-130		
Trichloroethene (Trichloroethylene)	0.0533		0.500	mg/L				70-130		
Vinyl chloride (Chloroethane)	0.0531		0.200	mg/L	0.0500		106	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*42.6*	*ug/L*	*50.0*		*85.2*	*70-130*		
Surrogate: 4-Bromoflurobenzene-surr			*44.7*	*ug/L*	*50.0*		*89.4*	*70-130*		
Surrogate: Toluene-d8-surr			*50.0*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*44.5*	*ug/L*	*50.0*		*88.9*	*70-130*		
LCS Dup (BDB3094-BSD1)					Prepared & Analyzed: 02/20/2020					
1,1-Dichloroethylene	0.0459		0.700	mg/L	0.0500		91.7	70-130	18.3	30
1,2-Dichloroethane (Ethylene dichloride)	0.0517		0.500	mg/L	0.0500		103	70-130	4.78	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0455		7.50	mg/L	0.0500		91.0	70-130	3.17	30
2-Butanone (Methyl ethyl ketone, MEK)	0.503		200	mg/L	0.500		101	70-130	3.53	30
Benzene	0.0523		0.500	mg/L	0.0500		105	70-130	4.85	30
Carbon tetrachloride	0.0493		0.500	mg/L	0.0500		98.6	70-130	5.02	30
Chlorobenzene	0.0453		100	mg/L	0.0500		90.6	70-130	2.94	30
Chloroform	0.0494		6.00	mg/L	0.0500		98.8	70-130	4.47	30
Tetrachloroethylene (Perchloroethylene)	0.0537		0.700	mg/L	0.0500		107	70-130	0.429	30
Trichloroethene (Trichloroethylene)	0.0504		0.500	mg/L				70-130	5.71	30
Vinyl chloride (Chloroethane)	0.0560		0.200	mg/L	0.0500		112	70-130	5.41	30
Surrogate: 1,2-Dichloroethane-d4-surr			*41.6*	*ug/L*	*50.0*		*83.2*	*70-130*		
Surrogate: 4-Bromoflurobenzene-surr			*44.4*	*ug/L*	*50.0*		*88.8*	*70-130*		
Surrogate: Toluene-d8-surr			*48.2*	*ug/L*	*50.0*		*96.4*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*44.3*	*ug/L*	*50.0*		*88.7*	*70-130*		

NWDLS
130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB3094 - SW-5030 (Continued)										
Leach Fluid Blank (BDB3094-LBK1)					Prepared & Analyzed: 02/20/2020					
1,1-Dichloroethylene	<0.700		0.700	mg/L						
1,2-Dichloroethane (Ethylene dichloride)	<0.500		0.500	mg/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<7.50		7.50	mg/L						
2-Butanone (Methyl ethyl ketone, MEK)	<200		200	mg/L						
Benzene	<0.500		0.500	mg/L						
Carbon tetrachloride	<0.500		0.500	mg/L						
Chlorobenzene	<100		100	mg/L						
Chloroform	<6.00		6.00	mg/L						
Tetrachloroethylene (Perchloroethylene)	<0.700		0.700	mg/L						
Trichloroethene (Trichloroethylene)	<0.500		0.500	mg/L						
Vinyl chloride (Chloroethane)	<0.200		0.200	mg/L						
Surrogate: 1,2-Dichloroethane-d4-surr			*51.4*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: 4-Bromofurobenzene-surr			*46.1*	*ug/L*	*50.0*		*92.1*	*70-130*		
Surrogate: Toluene-d8-surr			*47.3*	*ug/L*	*50.0*		*94.6*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*48.8*	*ug/L*	*50.0*		*97.5*	*70-130*		
Matrix Spike (BDB3094-MS1)		**Source: 20B1468-01**			Prepared & Analyzed: 02/20/2020					
1,1-Dichloroethylene	0.0517		0.700	mg/L	0.0500	<0.700	103	70-130		
1,2-Dichloroethane (Ethylene dichloride)	0.0574		0.500	mg/L	0.0500	<0.500	115	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0473		7.50	mg/L	0.0500	<7.50	94.5	70-130		
2-Butanone (Methyl ethyl ketone, MEK)	0.655	J1	200	mg/L	0.500	<200	131	70-130		
Benzene	0.0544		0.500	mg/L	0.0500	<0.500	109	70-130		
Carbon tetrachloride	0.0508		0.500	mg/L	0.0500	<0.500	102	70-130		
Chlorobenzene	0.0521		100	mg/L	0.0500	<100	104	70-130		
Chloroform	0.0534		6.00	mg/L	0.0500	<6.00	107	70-130		
Tetrachloroethylene (Perchloroethylene)	0.0561		0.700	mg/L	0.0500	<0.700	112	70-130		
Trichloroethene (Trichloroethylene)	0.0526		0.500	mg/L		<0.500		70-130		
Vinyl chloride (Chloroethane)	0.0590		0.200	mg/L	0.0500	<0.200	118	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			*44.3*	*ug/L*	*50.0*		*88.7*	*70-130*		
Surrogate: 4-Bromofurobenzene-surr			*43.3*	*ug/L*	*50.0*		*86.6*	*70-130*		
Surrogate: Toluene-d8-surr			*44.8*	*ug/L*	*50.0*		*89.5*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*46.1*	*ug/L*	*50.0*		*92.2*	*70-130*		

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB3094 - SW-5030 (Continued)										
Matrix Spike Dup (BDB3094-MSD1)	**Source: 20B1468-01**				Prepared & Analyzed: 02/20/2020					
1,1-Dichloroethylene	0.0474		0.700	mg/L	0.0500	<0.700	94.8	70-130	8.58	30
1,2-Dichloroethane (Ethylene dichloride)	0.0526		0.500	mg/L	0.0500	<0.500	105	70-130	8.64	30
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.0480		7.50	mg/L	0.0500	<7.50	96.0	70-130	1.51	30
2-Butanone (Methyl ethyl ketone, MEK)	0.395	J1	200	mg/L	0.500	<200	79.1	70-130	49.5	30
Benzene	0.0560		0.500	mg/L	0.0500	<0.500	112	70-130	2.91	30
Carbon tetrachloride	0.0515		0.500	mg/L	0.0500	<0.500	103	70-130	1.45	30
Chlorobenzene	0.0527		100	mg/L	0.0500	<100	105	70-130	1.30	30
Chloroform	0.0529		6.00	mg/L	0.0500	<6.00	106	70-130	0.941	30
Tetrachloroethylene (Perchloroethylene)	0.0615		0.700	mg/L	0.0500	<0.700	123	70-130	9.13	30
Trichloroethene (Trichloroethylene)	0.0515		0.500	mg/L		<0.500		70-130	2.11	30
Vinyl chloride (Chloroethane)	0.0539		0.200	mg/L	0.0500	<0.200	108	70-130	8.97	30
Surrogate: 1,2-Dichloroethane-d4-surr			*41.2*	*ug/L*	*50.0*		*82.5*	*70-130*		
Surrogate: 4-Bromoflurobenzene-surr			*43.4*	*ug/L*	*50.0*		*86.7*	*70-130*		
Surrogate: Toluene-d8-surr			*48.3*	*ug/L*	*50.0*		*96.6*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*47.0*	*ug/L*	*50.0*		*94.1*	*70-130*		

Batch: BDB3183 - EPA 200.2 TCLP

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank (BDB3183-BLK1)			Prepared: 02/26/2020 Analyzed: 02/28/2020							
Arsenic	<5.00		5.00	mg/L						
Barium	<100		100	mg/L						
Cadmium	<1.00		1.00	mg/L						
Chromium	<5.00		5.00	mg/L						
Lead	<5.00		5.00	mg/L						
Selenium	<1.00		1.00	mg/L						
Silver	<5.00		5.00	mg/L						

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB3183 - EPA 200.2 TCLP (Continued)										
LCS (BDB3183-BS1)					Prepared: 02/26/2020 Analyzed: 02/28/2020					
Arsenic	0.514		5.00	mg/L	0.500		103	80-120		
Barium	0.528		100	mg/L	0.500		106	80-120		
Cadmium	0.0517		1.00	mg/L	0.0500		103	80-120		
Chromium	0.259		5.00	mg/L	0.250		103	80-120		
Lead	0.257		5.00	mg/L	0.250		103	80-120		
Selenium	0.508		1.00	mg/L	0.500		102	80-120		
Silver	0.0512		5.00	mg/L	0.0500		102	80-120		
Duplicate (BDB3183-DUP1)		**Source: 20B2847-01**			Prepared: 02/26/2020 Analyzed: 02/28/2020					
Arsenic	<5.00		5.00	mg/L		<5.00				20
Barium	0.484		100	mg/L		0.503			3.95	20
Cadmium	<1.00		1.00	mg/L		<1.00				20
Chromium	<5.00		5.00	mg/L		<5.00				20
Lead	<5.00		5.00	mg/L		<5.00				20
Selenium	<1.00		1.00	mg/L		<1.00				20
Silver	<5.00		5.00	mg/L		<5.00				20
Duplicate (BDB3183-DUP2)		**Source: 20B1466-01**			Prepared: 02/26/2020 Analyzed: 02/28/2020					
Arsenic	<5.00		5.00	mg/L		<5.00				20
Barium	0.550		100	mg/L		0.541			1.67	20
Cadmium	<1.00		1.00	mg/L		<1.00				20
Chromium	<5.00		5.00	mg/L		<5.00				20
Lead	<5.00		5.00	mg/L		<5.00				20
Selenium	<1.00		1.00	mg/L		<1.00				20
Silver	<5.00		5.00	mg/L		<5.00				20
Leach Fluid Blank (BDB3183-LBK1)					Prepared: 02/26/2020 Analyzed: 02/28/2020					
Arsenic	<5.00		5.00	mg/L						
Barium	0.0768		100	mg/L						
Cadmium	<1.00		1.00	mg/L						
Chromium	<5.00		5.00	mg/L						
Lead	<5.00		5.00	mg/L						
Selenium	<1.00		1.00	mg/L						
Silver	<5.00		5.00	mg/L						

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB3183 - EPA 200.2 TCLP (Continued)										
Leach Fluid Blank (BDB3183-LBK2)				Prepared: 02/26/2020 Analyzed: 02/28/2020						
Arsenic	<5.00		5.00	mg/L						
Barium	0.0961		100	mg/L						
Cadmium	<1.00		1.00	mg/L						
Chromium	<5.00		5.00	mg/L						
Lead	<5.00		5.00	mg/L						
Selenium	<1.00		1.00	mg/L						
Silver	<5.00		5.00	mg/L						
Leach Fluid Blank (BDB3183-LBK3)				Prepared: 02/26/2020 Analyzed: 02/28/2020						
Arsenic	<5.00		5.00	mg/L						
Barium	0.0526		100	mg/L						
Cadmium	<1.00		1.00	mg/L						
Chromium	<5.00		5.00	mg/L						
Lead	<5.00		5.00	mg/L						
Selenium	<1.00		1.00	mg/L						
Silver	<5.00		5.00	mg/L						
Leach Fluid Blank (BDB3183-LBK4)				Prepared: 02/26/2020 Analyzed: 02/28/2020						
Arsenic	<5.00		5.00	mg/L						
Barium	0.0454		100	mg/L						
Cadmium	<1.00		1.00	mg/L						
Chromium	<5.00		5.00	mg/L						
Lead	<5.00		5.00	mg/L						
Selenium	<1.00		1.00	mg/L						
Silver	<5.00		5.00	mg/L						
Leach Fluid Blank (BDB3183-LBK5)				Prepared: 02/26/2020 Analyzed: 02/28/2020						
Arsenic	<5.00		5.00	mg/L						
Barium	0.0908		100	mg/L						
Cadmium	<1.00		1.00	mg/L						
Chromium	<5.00		5.00	mg/L						
Lead	<5.00		5.00	mg/L						
Selenium	<1.00		1.00	mg/L						
Silver	<5.00		5.00	mg/L						

NWDLS
North Water District Laboratory Services

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB3183 - EPA 200.2 TCLP (Continued)										
Matrix Spike (BDB3183-MS1)	**Source: 20B2847-01**			Prepared: 02/26/2020 Analyzed: 02/28/2020						
Arsenic	0.537		5.00	mg/L	0.500	<5.00	107	75-125		
Barium	0.988		100	mg/L	0.500	0.503	96.9	75-125		
Cadmium	0.0517		1.00	mg/L	0.0500	<1.00	103	75-125		
Chromium	0.256		5.00	mg/L	0.250	<5.00	102	75-125		
Lead	0.243		5.00	mg/L	0.250	<5.00	97.1	75-125		
Selenium	0.507		1.00	mg/L	0.500	<1.00	101	75-125		
Silver	0.0524		5.00	mg/L	0.0500	<5.00	105	75-125		
Matrix Spike (BDB3183-MS2)	**Source: 20B1466-01**			Prepared: 02/26/2020 Analyzed: 02/28/2020						
Arsenic	0.527		5.00	mg/L	0.500	<5.00	105	75-125		
Barium	1.08		100	mg/L	0.500	0.541	109	75-125		
Cadmium	0.0508		1.00	mg/L	0.0500	<1.00	102	75-125		
Chromium	0.245		5.00	mg/L	0.250	<5.00	97.8	75-125		
Lead	0.238		5.00	mg/L	0.250	<5.00	95.2	75-125		
Selenium	0.507		1.00	mg/L	0.500	<1.00	101	75-125		
Silver	0.0520		5.00	mg/L	0.0500	<5.00	104	75-125		
Post Spike (BDB3183-PS1)	**Source: 20B2847-01**			Prepared: 02/26/2020 Analyzed: 02/28/2020						
Arsenic	544			ug/L	500	15.7	106	80-120		
Barium	987			ug/L	500	491	99.2	80-120		
Cadmium	52.7			ug/L	50.0	0.741	104	80-120		
Chromium	260			ug/L	250	3.92	102	80-120		
Lead	248			ug/L	250	-2.02	99.0	80-120		
Selenium	515			ug/L	500	2.58	103	80-120		
Silver	53.5			ug/L	50.0	-0.965	107	80-120		
Post Spike (BDB3183-PS2)	**Source: 20B1466-01**			Prepared: 02/26/2020 Analyzed: 02/28/2020						
Arsenic	536			ug/L	500	10.3	105	80-120		
Barium	1030			ug/L	500	527	100	80-120		
Cadmium	51.2			ug/L	50.0	0.702	101	80-120		
Chromium	253			ug/L	250	1.05	101	80-120		
Lead	244			ug/L	250	-1.55	97.5	80-120		
Selenium	508			ug/L	500	5.28	101	80-120		
Silver	52.0			ug/L	50.0	-0.751	104	80-120		

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Quality Control
(Continued)

TCLP (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB3183 - EPA 200.2 TCLP (Continued)										
Dilution Check (BDB3183-SRL1)		**Source: 20B2847-01**		Prepared: 02/26/2020 Analyzed: 02/28/2020						
Arsenic	<5.00		5.00	mg/L		<5.00				10
Barium	0.511		100	mg/L		0.503			1.58	10
Cadmium	<1.00		1.00	mg/L		<1.00				10
Chromium	<5.00		5.00	mg/L		<5.00				10
Lead	<5.00		5.00	mg/L		<5.00				10
Selenium	<1.00		1.00	mg/L		<1.00				10
Silver	<5.00		5.00	mg/L		<5.00				10
Dilution Check (BDB3183-SRL2)		**Source: 20B1466-01**		Prepared: 02/26/2020 Analyzed: 02/28/2020						
Arsenic	<5.00		5.00	mg/L		<5.00				10
Barium	0.580		100	mg/L		0.541			7.07	10
Cadmium	<1.00		1.00	mg/L		<1.00				10
Chromium	<5.00		5.00	mg/L		<5.00				10
Lead	<5.00		5.00	mg/L		<5.00				10
Selenium	<1.00		1.00	mg/L		<1.00				10
Silver	<5.00		5.00	mg/L		<5.00				10

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Sample Condition Checklist

Work Order: 20B1824

Check Points	
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-20-31
TCEQ-TOX T104704202-19-13

Municipal Operations and Consulting	Project: Heather Glen - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: Cameron King	04/30/2020 16:04

Term and Qualfier Definitions

Item	Definition
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and /or precision.
S	The surrogate recovery was outside the established laboratory recovery limit.
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ T104704238-19-28 TCEQ-TOX T104704202-19-13

20B1824

Municipal Operations and Consulting Cameron King 27316 Spectrum Way Oak Ridge, TX 77385 Phone: -	**Project Name** : Heather Glen - Sewage Sludge Annual	
	Project Comments: 1000 feet East of Sweetwater St on south side of Hall Bayou Houston 77037 Combo 8144	**Schedule Comments:**

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results	
20B1824-01	Digester		2/11/2020 11:35	S Grab	A HDPE S150mL Na2S2O3 B HDPE S150mL Na2S2O3 C HDPE S150mL Na2S2O3 D HDPE S150mL Na2S2O3 E HDPE S150mL Na2S2O3 F HDPE S150mL Na2S2O3 G HDPE S150mL Na2S2O3 H Glass 250mL w/ Teflon-lined Lid I Glass 1L J Glass 1L K Glass Wide 1L w/ Teflon-lined Lid L FieldContainer M Glass VOA 60mL	Arsenic ICP 6010	4°C	Temp C Field	20.7
						Arsenic ICP TCLP	4°C		
						Barium ICP TCLP	4°C		
						Cadmium ICP 6010	4°C		
						Cadmium ICP TCLP	4°C		
						Chromium ICP 6010	4°C		
						Chromium ICP TCLP	4°C		
						Copper ICP 6010	4°C		
						Hg-7471	4°C		
						Hg-7471-TCLP	4°C		
						Lead ICP 6010	4°C		
						Lead ICP TCLP	4°C		
						Molybdenum ICP 6010	4°C		
						Nickel ICP 6010	4°C		
						Potassium ICP 6010	4°C		
						Selenium ICP 6010	4°C		
						Selenium ICP TCLP	4°C		
						Silver ICP TCLP	4°C		
						Total Phosphorus ICP 6(	4°C		
						Zinc ICP 6010	4°C		
						FC/CB-QT	Na2S2O3 <10°C		
						SOUR-2710	4°C		
						HERB-TCLP	4°C		
						OCP-TCLP	4°C		
						PCB-8082	4°C		
						SVOA-TCLP	4°C		
						TCLP Bottle	4°C		
						TCLP ZHE	4°C		
						VOA-TCLP	4°C		
						NH3-N T-350.2	4°C		
						Nitrate as N IC 9056	4°C		
						SOUR TS-2540 G	4°C		
						TKN T-351.3	4°C		
						TS-2540 G	4°C		

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com

TCEQ T104704238-19-28 TCEQ-TOX T104704202-19-13

20B1824

(Continued)

Municipal Operations and Consulting Cameron King 27316 Spectrum Way Oak Ridge, TX 77385 Phone: -	**Project Name** : Heather Glen - Sewage Sludge Annual	
	Project Comments: 1000 feet East of Sweetwater St on south side of Hall Bayou Houston 77037 Combo 8144	**Schedule Comments:**

Remarks

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 2-11-20 1530	Received for Laboratory By: (Signature)	Date/Time 2.11.20201530

Custody Seal : Yes / No COC Labels Agree: Yes / No Appropriate Volume: Yes / No Received on Ice: Yes / No Temperature: °C

Container Intact : Yes / No Appropriate Containers: Yes / No Coolers Intact: Yes / No Samples Accepted: Yes / No Thermometer ID:

Fairbanks

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ T104704238-19-28 TCEQ-TOX T104704202-19-13

20B1823

Municipal Operations and Consulting Cameron King 27316 Spectrum Way Oak Ridge, TX 77385 Phone: -	**Project Name** : Heather Glen - Non Potable - Weekly **Project Comments:** 1000 feet East of Sweetwater St on south side of Hall Bayou Houston 77037 Combo 8144	**Schedule Comments:**

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
20B1823-01	Outfall 001		2/11/2020 11:28	AQ Grab				DO Field 7.65 pH Field 7.31
20B1823-02	Outfall 001 Sampler	2-10-20 5pm 2-11-20 5pm	2/11/2020	AQ 24HR Comp	A Glass 1L B HDPE 250mL H2SO4 C Glass 250mL H2SO4 D Glass 1L	CBOD-5210 NH3-N SEAL-350.1 TKN T-4500 C TSS-2540	4°C H2SO4 4°C H2SO4 4°C 4°C	
20B1823-03	Aeration		2/11/2020	AQ Grab	A Glass 250mL	MLSS-2540 VSS-160.4	4°C 4°C	

Remarks

Sampler (Signature)		Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name		Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation		Relinquished To Lab By: (Signature)	Date/Time 2-11-20 1530	Received for Laboratory By: (Signature)	Date/Time 2.11.2020 1530

Custody Seal : Yes / No COC Labels Agree: Yes / No Appropriate Volume: Yes / No Received on Ice: Yes / No Temperature: °C

Container Intact : Yes / No Appropriate Containers: Yes / No Coolers Intact: Yes / No Samples Accepted: Yes / No Thermometer ID:

NWDLS
North Water District Laboratory Services, Inc.

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

September 26, 2020

LABORATORY REPORT

John Montgomery
Municipal Operations and Consulting
27316 Spectrum Way
Oak Ridge, TX 77385

RE: Heather Glen - Non Potable - Sewage Sludge Annual

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,

Derek McCoy For Monica O. Martin
Director of Laboratory Services

NWDLS
North Water District Laboratory Services, Inc.

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Municipal Operations and Consulting	Project: Heather Glen - Non Potable - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: John Montgomery	09/26/2020 12:09

Sample Results

Client Sample ID: Digester
Lab Sample ID: 20B1824-01

Sample Matrix: Solid
Date Collected: 02/11/2020 11:35
Collected by: Derek Henry

Method	Analyte	Result	Q	Units	Batch	Date Analyzed	Analyst
Colilert-18	Fecal coliforms	1170000		MPN/g TS dry	BDB1375	02/12/2020 10:23	RTA
Colilert-18	Fecal coliforms	1010000		MPN/g TS dry	BDB1375	02/12/2020 10:23	RTA
Colilert-18	Fecal coliforms	1500000		MPN/g TS dry	BDB1375	02/12/2020 10:23	RTA
Colilert-18	Fecal coliforms	1900000		MPN/g TS dry	BDB1375	02/12/2020 10:23	RTA
Colilert-18	Fecal coliforms	972000		MPN/g TS dry	BDB1375	02/12/2020 10:23	RTA
Colilert-18	Fecal coliforms	1380000		MPN/g TS dry	BDB1375	02/12/2020 10:23	RTA
Colilert-18	Fecal coliforms	1380000		MPN/g TS dry	BDB1375	02/12/2020 10:23	RTA
SM 2710 B	Specific Oxygen Uptake Rate (SOUR)	0.699		mg O2/hr/g TS @ 20°C dry	BDB1381	02/11/2020 16:51	NJA
SM 2550 B	Temperature °C Field	20.7		°C	BDB1665	02/11/2020 11:35	DH
SM 2540 G	% Solids	1.23		%	BDB1455	02/13/2020 16:32	SSM

The total solids is diluted to <=2.0% for the S.O.U.R. test when necessary.

CLASS B - Pass

Per Title 30, Texas Administrative Code, Chapter 312, for a Class B to pass, the fecal coliform geometric mean must be less than or equal to 2,000,000 CFU/ug TS and the S.O.U.R must be less than or equal to 1.5 mg O2/hr/g TS.

NWDLS
North Water District Laboratory Services Inc.

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Municipal Operations and Consulting	Project: Heather Glen - Non Potable - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: John Montgomery	09/26/2020 12:09

Quality Control

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB1455 - Percent Solids										
Blank (BDB1455-BLK1)					Prepared: 02/12/2020 Analyzed: 02/13/2020					
% Solids	<0.100		0.100	%						
Duplicate (BDB1455-DUP1)			**Source: 20B0315-06**		Prepared: 02/12/2020 Analyzed: 02/13/2020					
% Solids			0.100	%		1.52			0.638	10
Reference (BDB1455-SRM1)					Prepared: 02/12/2020 Analyzed: 02/13/2020					
% Solids			0.100	%	0.350		105	78.9-118		

NWDLS
North Water District Laboratory Services, Inc.

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Municipal Operations and Consulting	Project: Heather Glen - Non Potable - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: John Montgomery	09/26/2020 12:09

Quality Control
(Continued)

Microbiology

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB1375 - FC Quantitray										
Blank (BDB1375-BLK1)				Prepared: 02/11/2020 Analyzed: 02/12/2020						
Fecal coliforms	<5000		5000	MPN/g TS wet						
Duplicate (BDB1375-DUP1)		**Source: 20B1824-01**		Prepared: 02/11/2020 Analyzed: 02/12/2020						
Fecal coliforms			405000	MPN/g TS dry		1170000			152	87.4

NWDLS
North Water District Laboratory Services, Inc.

8725 Fawn Trail The Woodlands, TX 77385
Tel: (936) 321-6060 | Fax: (936) 321 6061
Email: lab@nwdsls.com
www. NWDLS.com
TCEQ Lab ID #: TX204, Accreditation ID: T104704238

Municipal Operations and Consulting	Project: Heather Glen - Non Potable - Sewage Sludge Annual	
27316 Spectrum Way	Project Number: 194	**Reported:**
Oak Ridge, TX 77385	Project Manager: John Montgomery	09/26/2020 12:09

Term and Qualfier Definitions

Item	Definition
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ T104704238-19-28 TCEQ-TOX T104704202-19-13

20B1824

Municipal Operations and Consulting
Cameron King
27316 Spectrum Way
Oak Ridge, TX 77385
Phone: -

Project Name : Heather Glen - Sewage Sludge Annual

Project Comments: 1000 feet East of Sweetwater St on south side of Hall Bayou
Houston 77037
Combo 8144

Schedule Comments:

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
20B1824-01	Digester		2/11/2020 11:35	S Grab	A HDPE S150mL Na2S2O3 B HDPE S150mL Na2S2O3 C HDPE S150mL Na2S2O3 D HDPE S150mL Na2S2O3 E HDPE S150mL Na2S2O3 F HDPE S150mL Na2S2O3 G HDPE S150mL Na2S2O3 H Glass 250mL w/ Teflon-lined Lid I Glass 1L J Glass 1L K Glass Wide 1L w/ Teflon-lined Lid L FieldContainer M Glass VOA 60mL	Arsenic ICP 6010 Arsenic ICP TCLP Barium ICP TCLP Cadmium ICP 6010 Cadmium ICP TCLP Chromium ICP 6010 Chromium ICP TCLP Copper ICP 6010 Hg-7471 Hg-7471-TCLP Lead ICP 6010 Lead ICP TCLP Molybdenum ICP 6010 Nickel ICP 6010 Potassium ICP 6010 Selenium ICP 6010 Selenium ICP TCLP Silver ICP TCLP Total Phosphorus ICP 6(Zinc ICP 6010 FC/CB-QT SOUR-2710 HERB-TCLP OCP-TCLP PCB-8082 SVOA-TCLP TCLP Bottle TCLP ZHE VOA-TCLP NH3-N T-350.2 Nitrate as N IC 9056 SOUR TS-2540 G TKN T-351.3 TS-2540 G	4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C Na2S2O3 <10°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C 4°C	Temp C Field 20.7

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com

TCEQ T104704238-19-28 TCEQ-TOX T104704202-19-13

20B1824

(Continued)

Municipal Operations and Consulting Cameron King 27316 Spectrum Way Oak Ridge, TX 77385 Phone: -	**Project Name** : Heather Glen - Sewage Sludge Annual	
	Project Comments: 1000 feet East of Sweetwater St on south side of Hall Bayou Houston 77037 Combo 8144	**Schedule Comments**:

Remarks

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 2-11-20 1513O	Received for Laboratory By: (Signature)	Date/Time 2.11.2020 1530

Custody Seal : Yes / No COC Labels Agree: Yes / No Appropriate Volume: Yes / No Received on Ice: Yes / No Temperature: °C

Container Intact : Yes / No Appropriate Containers: Yes / No Coolers Intact: Yes / No Samples Accepted: Yes / No Thermometer ID:

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com

TCEQ T104704238-19-28 TCEQ-TOX T104704202-19-13

20B1823

Municipal Operations and Consulting Cameron King 27316 Spectrum Way Oak Ridge, TX 77385 Phone: -	**Project Name** : Heather Glen - Non Potable - Weekly
	Project Comments: 1000 feet East of Sweetwater St on south side of Hall Bayou Houston 77037 Combo 8144
	Schedule Comments:

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
20B1823-01	Outfall 001		2/11/2020 11:28	AQ Grab				DO Field 7.65 pH Field 7.31
20B1823-02	Outfall 001 Sampler	2-10-20 5:00 2-11-20 5:00	2/11/2020	AQ 24HR Comp	A Glass 1L B HDPE 250mL H2SO4 C Glass 250mL H2SO4 D Glass 1L	CBOD-5210 NH3-N SEAL-350.1 TKN T-4500 C TSS-2540	4°C H2SO4 4°C H2SO4 4°C 4°C	
20B1823-03	Aeration		2/11/2020	AQ Grab	A Glass 250mL	MLSS-2540 VSS-160.4	4°C 4°C	

Remarks

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 2-11-20 15:30	Received for Laboratory By: (Signature)	Date/Time 2.11.2020 1530

Custody Seal : Yes / No COC Labels Agree: Yes / No Appropriate Volume: Yes / No Received on Ice: Yes / No Temperature: °C

Container Intact : Yes / No Appropriate Containers: Yes / No Coolers Intact: Yes / No Samples Accepted: Yes / No Thermometer ID:

LABORATORY ACCREDITATION

All laboratory tests performed must meet the requirements of 30 TAC Chapter 25, *Environmental Testing Laboratory Accreditation and Certification*, unless the laboratory meets 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;
  - located in another state and is accredited or inspected by that state;
  - 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.

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: Andy Drennan

Title: Environmental Compliance

Signature: _____ Date: 7/14/2025

SITE OPERATOR SIGNATURE PAGE

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

Permit Number: WQ0004518000

Applicant: K-3 Resources LP

I understand that I am responsible for operating the site described in this permit application in accordance with the requirements in 30 TAC Chapter 312, the conditions set forth in this application, and any additional conditions as required by the Texas Commission on Environmental Quality.

I certify, under penalty of law, that all 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, imprisonment for violations, and revocation of this permit.

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: Andrew Drennan

Title: General Partner, COO, VP

Signature (use blue ink): _____ Date: 7/14/2025

SUBSCRIBED AND SWORN to before me by the said Andrew Drennan on this 14th day of July, 20 25

My commission expires on the 9th day of September, 20 28

Renee D Tom

Notary Public

Waller

County, Texas

(Seal)

Renee D Tom
My Commission Expires
9/16/2028
Notary ID 125660248

LANDOWNER SIGNATURE PAGE

Required if the landowner is not the applicant or co-applicant. Each landowner must submit an original, separate signature page.

Permit Number: WQ0004518000

Applicant: K-3 Resources, LP

I certify, as the owner of the land described in this permit application, that I have all rights and covenants to authorize the applicant to use this site for the land application of Wastewater Treatment, Water Treatment Plant, and Domestic Septage (*identify the type(s) of sludge*). I understand that 30 TAC Chapter 312 requires me to make a reasonable effort to see that the applicant complies with the requirements in 30 TAC Chapter 312, the conditions set forth in this application, and any additional conditions as required by the TCEQ. I also certify, under penalty of law, that all information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine, imprisonment for violations, and revocation of the permit.

Signatory Name: Donna Ercums- Trustee

Title: Landowner

Signature (use blue ink): Donna Ercums Date: 7/21/2025

SUBSCRIBED AND SWORN to before me by the said Donna Ercums on

this 21 day of July, 20 25

My commission expires on the 16 day of September, 20 28

Renee Tom
Notary Public

(Seal)
Renee D Tom
My Commission Expires
9/16/2028
Notary ID 125660248

Waller County
County, Texas

Attachment 1
Individual Information

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

Prefix (Mr., Ms., Miss): N/A

Full Legal Name, including middle name: N/A

Driver's License or State Identification Number: N/A

State that Issued the License or Identification Number: N/A

Date of Birth: N/A

Mailing Address: N/A

City, State, and Zip Code: N/A

Phone Number: N/A Fax Number: N/A

E-mail Address: N/A

For TCEQ Use Only

Customer Number _____
Regulated Entity Number _____
Permit Number _____

TECHNICAL REPORT
FOR BENEFICIAL LAND USE OF SEWAGE SLUDGE

SECTION 1. SITE HISTORY

Has sewage sludge or septage been previously land applied at this site?

☒ Yes ☐ No

If Yes, provide a short narrative on the agricultural practices previously used at the site. The narrative must discuss the following elements:

- crops grown;
- tillage practices;
- previous sludge application amount (dry tons) and rates (dry tons per acre); and
- previous septage application amount (gallons) and rates (gallons per acre).

Hay production; no crops.
Six-inch spikes on chain drag incorporate biosolids, moderate tillage
Permit WQ0004518000
277.3 acres will be used for Class B Biosolid and Water Treatment Residuals
Maximum allotted rate: 12 dry metric tons per acre per year for 5-year permit
1781.82 dry metric tons of biosolids applied over 5-year permit period
6.43 dry metric tons per acre per year (well below the maximum allotted)
99.86 dry metric tons of water treatment residuals/year;
9334.13 gallons/year/acre of Domestic Septage

SECTION 2. PROPOSED LAND APPLICATION ACTIVITIES

Provide a short narrative on the proposed land application activities at the site. The narrative must discuss the following elements:

- crops grown;
- planting dates;
- times per year applied;
- frequency of application; and
- tillage practices.

Hay production will continue to be the primary land application activity with at least 3 cuttings per year. Nitrogen levels will be monitored to determine biosolid application rates via annual soil analysis conducted by a NEALAP laboratory. Pollutant metals are also monitored, but they are rarely if ever the limiting factor when accounting for nitrogen. Nitrogen levels will be the determining factor for the frequency and rate of application. Biosolids are incorporated when spread via six-inch spikes attached to a chain drag that follows a tractor. This is a moderate tillage that occurs after each application of biosolids.

SECTION 3. SOIL INFORMATION

A. Soil Properties

Complete the table below using the Physical and Chemical Properties and the Engineering Tables found in the USDA Natural Resources Conservation Service (NRCS) soils descriptions.

Map Symbol	Soil Type	Slope	pH	Depth to Bedrock* (inches)	Depth to Groundwater (feet)	Permeability (inches/hour)	Soil Depth** (inches)
KaA	Katy Fine Sandy Loam	0-1%		>80	1-2	0.06 - 0.20	80
ArA	Cyfair-Katy complex	0-1%		>80	1-2	0.00 - 0.60	80

* If depth to bedrock is not specified in the soil survey, use the maximum depth shown.
** If soil depth is less than two feet, provide rationale for using these shallow soils. The rationale should include site specific investigation results.

B. Restrictive Soil Characteristics

In the table below, identify all soils that have the following restrictive characteristics and the management practices to be used.

- Soils with at least an "occasional flooding" classification may flood between 5 to 50 times in 100 years;
- Soil permeability of >6 inches per hour; and
- Seasonal groundwater or groundwater table below the treatment zone at least:
  - 3 feet for soil with permeability of <2 inches per hour
  - 4 feet for soil with permeability of 2-6 inches per hour.

Soil Type	Restrictive Characteristic	Best Management Practices
Katy Fine Sandy Loam	Perched Water	Restrict Application when surface soil is saturated
Cyfair- Katy Complex	Perched Water	Restrict Application when surface soil is saturated

SECTION 4. WELL INFORMATION

In the table below, provide information about each well located on-site and within 500 feet of the application area. Water well information is available from the Texas Water Development Board, 512-936-0837. Oil and gas well information is available from the Texas Railroad Commission, 512-463-6851.

Well Type (Water Well, Oil Well, Injection Well)	Producing or Non-Producing	Open, Cased, or Capped*	Protective Measures**
Water	Producing	Cased	Vegetative buffer of 150 feet
Water	Producing	Cased	Vegetative buffer of 150 feet

* Casing, capping, and plugging rules are located in 16 TAC Chapter 76.
** The following protective measures are required prior to initial sludge/septage application:

- If the well is producing and cased, no action is needed.
- If the well is producing and not cased, the well must be cased or describe other protective measures.
- If the well is non-producing and cased, the well must be plugged or capped.
- If the well is non-producing and not cased, the well must be plugged.

SECTION 5. HYDROLOGIC CHARACTERISTICS

Submit information listed below, or equivalent documentation, regarding the hydrologic characteristics of the surface and groundwater at the application site and within one-quarter mile of the site.

- Aquifer identification per Texas Water Development Board Report 345
- Location of the area according to the Geologic Atlas of Texas, published by the University of Texas, Bureau of Economic Geology.
- Any feature that exhibits a direct hydrologic connection between surface and subsurface water.
- List periods of seasonal perched and/or high water table, if any.

Attachment Number: 14

Hydrological Characteristics

The aquifer identified per Texas Water Development Board is the Gulf Coast Aquifer. The location according to the Geologic Atlas of Texas is in the Lissie Formation. There is not any features that exhibits a direct hydrologic connection between surface and subsurface water. There are certain times during the year when the water may be perched and needs to be monitored if the field is being applied on. I have also attached a diagram showing more detail.

Seasonally perched water, El Celoso Ranch

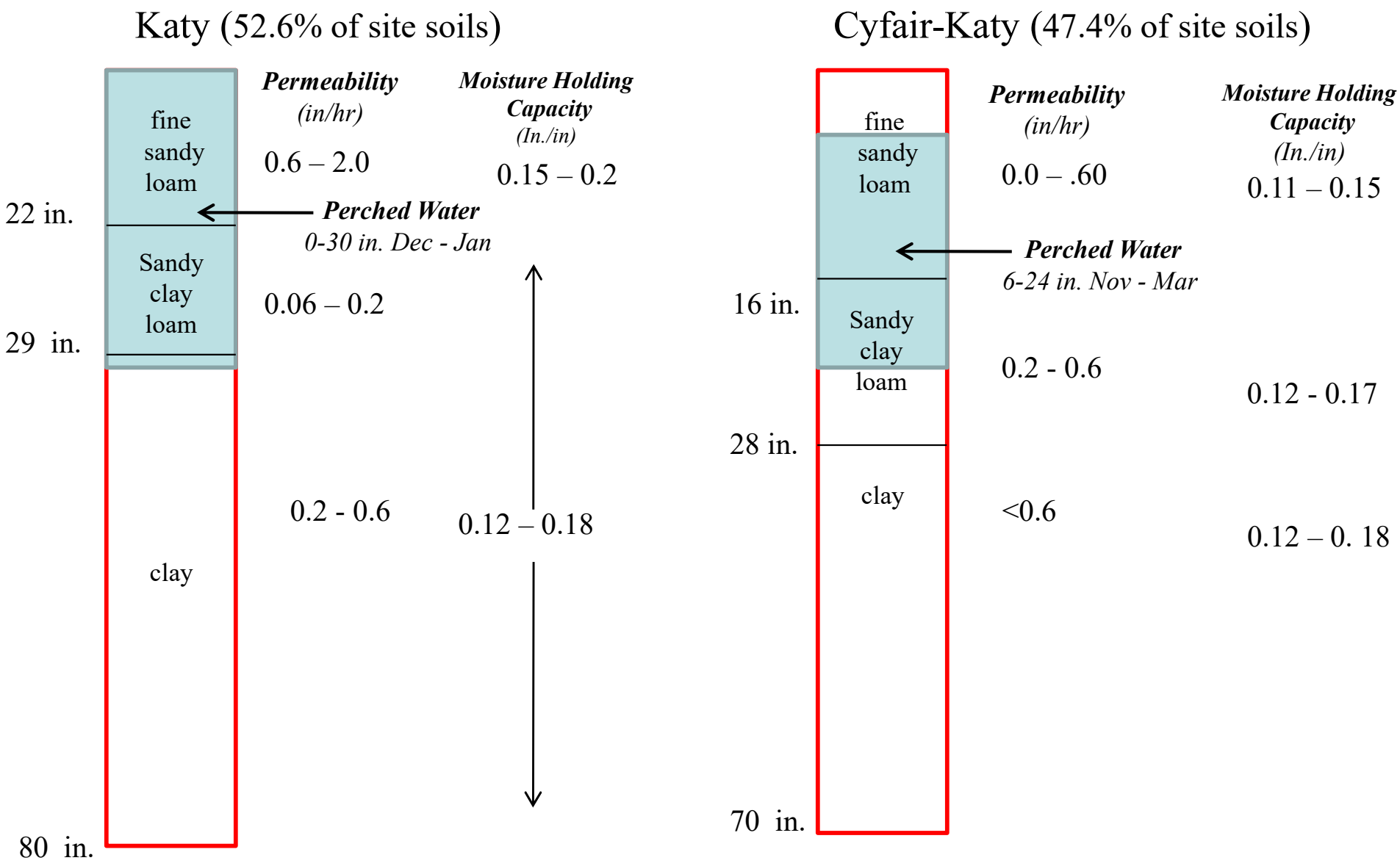


Figure 2. Hydro geologic conditions, El Celoso Ranch Waller, County, TX

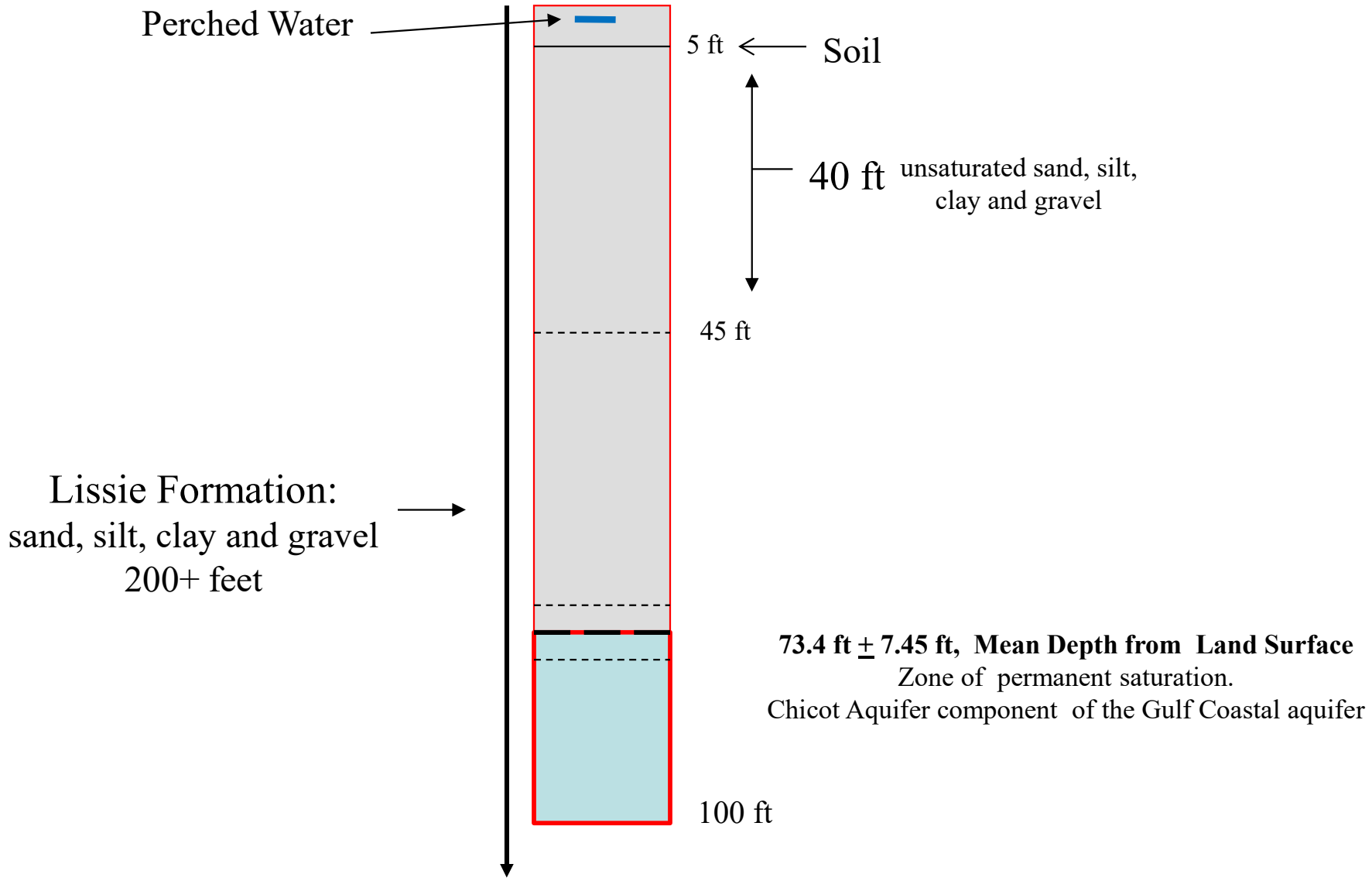


Table 1
Pollutant and Nutrient Concentrations in Biosolids and Water Treatment Residuals (if applicable)

Complete this table **for each source** of biosolids and residuals.

Facility Name: Bilma Pud WWTP

TCEQ Authorization Number: WQ0012025002

POLLUTANT/METAL ANALYSIS

Pollutant	Maximum Concentration, mg/kg dry weight	Test Results, mg/kg dry weight	Sample Date	Detection Level for Analysis	Sample Method
Arsenic (As)	75	15.7	2/11/2025	0.001	SW-3050- 6010B
Cadmium (Cd)	85	2.51	2/11/2025	0.001	SW-3050- 6010B
Chromium (Cr)	3000	44.9	2/11/2025	0.005	SW-3050- 6010B
Copper (Cu)	4300	1160	2/11/2025	0.002	SW-3050- 6010B
Lead (Pb)	840	50.3	2/11/2025	0.005	SW-3050- 6010B
Mercury (Hg)	57	0.823	2/11/2025	0.0002	SW-3050-6010/ 7471
Molybdenum (Mo)	75	20.6	2/11/2025	0.001	SW-3050- 6010B
Nickel (Ni)	420	38.1	2/11/2025	0.008	SW-3050- 6010B
Selenium (Se)	100	24	2/11/2025	0.002	SW-3050- 6010B
Zinc (Zn)	7500	2970	2/11/2025	0.001	SW-3050- 6010B
PCB (ppm)	50.0 ppm	1.62	2/11/2025	0.001	SW-3570 8080

NUTRIENT ANALYSIS

Nutrient	Concentration (%)	Sample Date	Detection Level for Analysis	Sample Method
Total Kjeldahl Nitrogen (TKN)	9.84	2/11/2025	0.01	TKN T EPA 351.2
Ammonium Nitrogen (NH4-N)	0.562	2/11/2025	0.01	NH3-N T
Nitrate Nitrogen (NO3-N)	0.13	2/11/2025	0.01	EPA 300.0 SM4500-NO3 E
Total Phosphorus (P)	1.58	2/11/2025	0.01	SM 4500-P E
Total Potassium (K)	1.68	2/11/2025	0.002	SW-3050- 6010B

Table 1
Pollutant and Nutrient Concentrations in Biosolids and Water Treatment Residuals (if applicable)

Complete this table **for each source** of biosolids and residuals.

Facility Name: Cinco Central WWTP

TCEQ Authorization Number: WQ0013558001

POLLUTANT/METAL ANALYSIS

Pollutant	Maximum Concentration, mg/kg dry weight	Test Results, mg/kg dry weight	Sample Date	Detection Level for Analysis	Sample Method
Arsenic (As)	75	2.08	3/28/2025	0.001	SW-3050- 6010B
Cadmium (Cd)	85	0.273	3/28/2025	0.001	SW-3050- 6010B
Chromium (Cr)	3000	6.51	3/28/2025	0.005	SW-3050- 6010B
Copper (Cu)	4300	117	3/28/2025	0.002	SW-3050- 6010B
Lead (Pb)	840	3.91	3/28/2025	0.005	SW-3050- 6010B
Mercury (Hg)	57	0.395	3/28/2025	0.0002	SW-3050-6010/ 7471
Molybdenum (Mo)	75	3.5	3/28/2025	0.001	SW-3050- 6010B
Nickel (Ni)	420	6.46	3/28/2025	0.008	SW-3050- 6010B
Selenium (Se)	100	4.59	3/28/2025	0.002	SW-3050- 6010B
Zinc (Zn)	7500	335	3/28/2025	0.001	SW-3050- 6010B
PCB (ppm)	50.0 ppm	0.00112	3/28/2025	0.001	SW-3570 8080

NUTRIENT ANALYSIS

Nutrient	Concentration (%)	Sample Date	Detection Level for Analysis	Sample Method
Total Kjeldahl Nitrogen (TKN)	6.27	3/28/2025	0.01	TKN T EPA 351.2
Ammonium Nitrogen (NH4-N)	0.645	3/28/2025	0.01	NH3-N T
Nitrate Nitrogen (NO3-N)	0.00056	3/28/2025	0.01	EPA 300.0 SM4500-NO3 E
Total Phosphorus (P)	0.659	3/28/2025	0.01	SM 4500-P E
Total Potassium (K)	0.257	3/28/2025	0.002	SW-3050- 6010B

Table 1
Pollutant and Nutrient Concentrations in Biosolids and Water Treatment Residuals (if applicable)

Complete this table **for each source** of biosolids and residuals.

Facility Name: Cinco MUD Southwest 1
TCEQ Authorization Number: WQ0014343001

POLLUTANT/METAL ANALYSIS

Pollutant	Maximum Concentration, mg/kg dry weight	Test Results, mg/kg dry weight	Sample Date	Detection Level for Analysis	Sample Method
Arsenic (As)	75	4.87	3/17/2025	0.001	SW-3050- 6010B
Cadmium (Cd)	85	0.329	3/17/2025	0.001	SW-3050- 6010B
Chromium (Cr)	3000	9.55	3/17/2025	0.005	SW-3050- 6010B
Copper (Cu)	4300	195	3/17/2025	0.002	SW-3050- 6010B
Lead (Pb)	840	3.61	3/17/2025	0.005	SW-3050- 6010B
Mercury (Hg)	57	0.389	3/17/2025	0.0002	SW-3050-6010/ 7471
Molybdenum (Mo)	75	5.64	3/17/2025	0.001	SW-3050- 6010B
Nickel (Ni)	420	9.84	3/17/2025	0.008	SW-3050- 6010B
Selenium (Se)	100	5.81	3/17/2025	0.002	SW-3050- 6010B
Zinc (Zn)	7500	622	3/17/2025	0.001	SW-3050- 6010B
PCB (ppm)	50.0 ppm	0.6	3/17/2025	0.001	SW-3570 8080

NUTRIENT ANALYSIS

Nutrient	Concentration (%)	Sample Date	Detection Level for Analysis	Sample Method
Total Kjeldahl Nitrogen (TKN)	7.04	3/17/2025	0.01	TKN T EPA 351.2
Ammonium Nitrogen (NH4-N)	1.16	3/17/2025	0.01	NH3-N T
Nitrate Nitrogen (NO3-N)	1.17	3/17/2025	0.01	EPA 300.0 SM4500-NO3 E
Total Phosphorus (P)	0.0622	3/17/2025	0.01	SM 4500-P E
Total Potassium (K)	0.933	3/17/2025	0.002	SW-3050- 6010B

Table 1
Pollutant and Nutrient Concentrations in Biosolids and Water Treatment Residuals (if applicable)

Complete this table **for each source** of biosolids and residuals.

Facility Name: HC 70

TCEQ Authorization Number: WQ0011486001

POLLUTANT/METAL ANALYSIS

Pollutant	Maximum Concentration, mg/kg dry weight	Test Results, mg/kg dry weight	Sample Date	Detection Level for Analysis	Sample Method
Arsenic (As)	75	4.93	3/18/2024	0.001	SW-3050- 6010B
Cadmium (Cd)	85	0.427	3/18/2024	0.001	SW-3050- 6010B
Chromium (Cr)	3000	7.39	3/18/2024	0.005	SW-3050- 6010B
Copper (Cu)	4300	206	3/18/2024	0.002	SW-3050- 6010B
Lead (Pb)	840	5	3/18/2024	0.005	SW-3050- 6010B
Mercury (Hg)	57	0.561	3/18/2024	0.0002	SW-3050-6010/ 7471
Molybdenum (Mo)	75	4.67	3/18/2024	0.001	SW-3050- 6010B
Nickel (Ni)	420	8.35	3/18/2024	0.008	SW-3050- 6010B
Selenium (Se)	100	5.3	3/18/2024	0.002	SW-3050- 6010B
Zinc (Zn)	7500	529	3/18/2024	0.001	SW-3050- 6010B
PCB (ppm)	50.0 ppm	0.298	3/18/2024	0.001	SW-3570 8080

NUTRIENT ANALYSIS

Nutrient	Concentration (%)	Sample Date	Detection Level for Analysis	Sample Method
Total Kjeldahl Nitrogen (TKN)	5.9	3/18/2024	0.01	TKN T EPA 351.2
Ammonium Nitrogen (NH4-N)	0.454	3/18/2024	0.01	NH3-N T
Nitrate Nitrogen (NO3-N)	0.89	3/18/2024	0.01	EPA 300.0 SM4500-NO3 E
Total Phosphorus (P)	0.808	3/18/2024	0.01	SM 4500-P E
Total Potassium (K)	0.251	3/18/2024	0.002	SW-3050- 6010B

Table 1
Pollutant and Nutrient Concentrations in Biosolids and Water Treatment Residuals (if applicable)

Complete this table **for each source** of biosolids and residuals.

Facility Name: MC112

TCEQ Authorization Number: WQ0014671001

POLLUTANT/METAL ANALYSIS

Pollutant	Maximum Concentration, mg/kg dry weight	Test Results, mg/kg dry weight	Sample Date	Detection Level for Analysis	Sample Method
Arsenic (As)	75	76.9	7/3/2024	0.001	SW-3050- 6010B
Cadmium (Cd)	85	76.9	7/3/2024	0.001	SW-3050- 6010B
Chromium (Cr)	3000	76.9	7/3/2024	0.005	SW-3050- 6010B
Copper (Cu)	4300	94.6	7/3/2024	0.002	SW-3050- 6010B
Lead (Pb)	840	76.9	7/3/2024	0.005	SW-3050- 6010B
Mercury (Hg)	57	0.3	7/3/2024	0.0002	SW-3050-6010/ 7471
Molybdenum (Mo)	75	16.9	7/3/2024	0.001	SW-3050- 6010B
Nickel (Ni)	420	76.9	7/3/2024	0.008	SW-3050- 6010B
Selenium (Se)	100	76.9	7/3/2024	0.002	SW-3050- 6010B
Zinc (Zn)	7500	601	7/3/2024	0.001	SW-3050- 6010B
PCB (ppm)	50.0 ppm	0.687	7/3/2024	0.001	SW-3570 8080

NUTRIENT ANALYSIS

Nutrient	Concentration (%)	Sample Date	Detection Level for Analysis	Sample Method
Total Kjeldahl Nitrogen (TKN)	16.2	7/3/2024	0.01	TKN T EPA 351.2
Ammonium Nitrogen (NH4-N)	0.769	7/3/2024	0.01	NH3-N T
Nitrate Nitrogen (NO3-N)	0.0055	7/3/2024	0.01	EPA 300.0 SM4500-NO3 E
Total Phosphorus (P)	1	7/3/2024	0.01	SM 4500-P E
Total Potassium (K)	385	7/3/2024	0.002	SW-3050- 6010B

Table 1
Pollutant and Nutrient Concentrations in Biosolids and Water Treatment Residuals (if applicable)

Complete this table **for each source** of biosolids and residuals.

Facility Name: Northpark PUD

TCEQ Authorization Number: WQ0011855001

POLLUTANT/METAL ANALYSIS

Pollutant	Maximum Concentration, mg/kg dry weight	Test Results, mg/kg dry weight	Sample Date	Detection Level for Analysis	Sample Method
Arsenic (As)	75	200	2/27/2025	0.001	SW-3050- 6010B
Cadmium (Cd)	85	200	2/27/2025	0.001	SW-3050- 6010B
Chromium (Cr)	3000	200	2/27/2025	0.005	SW-3050- 6010B
Copper (Cu)	4300	200	2/27/2025	0.002	SW-3050- 6010B
Lead (Pb)	840	200	2/27/2025	0.005	SW-3050- 6010B
Mercury (Hg)	57	0.4	2/27/2025	0.0002	SW-3050-6010/ 7471
Molybdenum (Mo)	75	200	2/27/2025	0.001	SW-3050- 6010B
Nickel (Ni)	420	200	2/27/2025	0.008	SW-3050- 6010B
Selenium (Se)	100	200	2/27/2025	0.002	SW-3050- 6010B
Zinc (Zn)	7500	378	2/27/2025	0.001	SW-3050- 6010B
PCB (ppm)	50.0 ppm	17	2/27/2025	0.001	SW-3570 8080

NUTRIENT ANALYSIS

Nutrient	Concentration (%)	Sample Date	Detection Level for Analysis	Sample Method
Total Kjeldahl Nitrogen (TKN)	0.617	2/27/2025	0.01	TKN T EPA 351.2
Ammonium Nitrogen (NH4-N)	2	2/27/2025	0.01	NH3-N T
Nitrate Nitrogen (NO3-N)	0.009	2/27/2025	0.01	EPA 300.0 SM4500-NO3 E
Total Phosphorus (P)	2.22	2/27/2025	0.01	SM 4500-P E
Total Potassium (K)	1000	2/27/2025	0.002	SW-3050- 6010B

Table 1
Pollutant and Nutrient Concentrations in Biosolids and Water Treatment Residuals (if applicable)

Complete this table **for each source** of biosolids and residuals.

Facility Name: NWHC 21,22,23

TCEQ Authorization Number: WQ0012144001

POLLUTANT/METAL ANALYSIS

Pollutant	Maximum Concentration, mg/kg dry weight	Test Results, mg/kg dry weight	Sample Date	Detection Level for Analysis	Sample Method
Arsenic (As)	75	3.69	6/5/2024	0.001	SW-3050- 6010B
Cadmium (Cd)	85	0.369	6/5/2024	0.001	SW-3050- 6010B
Chromium (Cr)	3000	4.02	6/5/2024	0.005	SW-3050- 6010B
Copper (Cu)	4300	57.4	6/5/2024	0.002	SW-3050- 6010B
Lead (Pb)	840	2.98	6/5/2024	0.005	SW-3050- 6010B
Mercury (Hg)	57	0.534	6/5/2024	0.0002	SW-3050-6010/ 7471
Molybdenum (Mo)	75	1.94	6/5/2024	0.001	SW-3050- 6010B
Nickel (Ni)	420	5.15	6/5/2024	0.008	SW-3050- 6010B
Selenium (Se)	100	3.69	6/5/2024	0.002	SW-3050- 6010B
Zinc (Zn)	7500	634	6/5/2024	0.001	SW-3050- 6010B
PCB (ppm)	50.0 ppm	0.641	6/5/2024	0.001	SW-3570 8080

NUTRIENT ANALYSIS

Nutrient	Concentration (%)	Sample Date	Detection Level for Analysis	Sample Method
Total Kjeldahl Nitrogen (TKN)	5.34	6/5/2024	0.01	TKN T EPA 351.2
Ammonium Nitrogen (NH4-N)	0.352	6/5/2024	0.01	NH3-N T
Nitrate Nitrogen (NO3-N)	1.99	6/5/2024	0.01	EPA 300.0 SM4500-NO3 E
Total Phosphorus (P)	1.12	6/5/2024	0.01	SM 4500-P E
Total Potassium (K)	0.611	6/5/2024	0.002	SW-3050- 6010B

Table 1
Pollutant and Nutrient Concentrations in Biosolids and Water Treatment Residuals (if applicable)

Complete this table **for each source** of biosolids and residuals.

Facility Name: West Memorial

TCEQ Authorization Number: WQ0011152001

POLLUTANT/METAL ANALYSIS

Pollutant	Maximum Concentration, mg/kg dry weight	Test Results, mg/kg dry weight	Sample Date	Detection Level for Analysis	Sample Method
Arsenic (As)	75	7.47	2/3/2025	0.001	SW-3050- 6010B
Cadmium (Cd)	85	0.409	2/3/2025	0.001	SW-3050- 6010B
Chromium (Cr)	3000	8.45	2/3/2025	0.005	SW-3050- 6010B
Copper (Cu)	4300	174	2/3/2025	0.002	SW-3050- 6010B
Lead (Pb)	840	9.44	2/3/2025	0.005	SW-3050- 6010B
Mercury (Hg)	57	0.228	2/3/2025	0.0002	SW-3050-6010/ 7471
Molybdenum (Mo)	75	7.6	2/3/2025	0.001	SW-3050- 6010B
Nickel (Ni)	420	7.87	2/3/2025	0.008	SW-3050- 6010B
Selenium (Se)	100	4.42	2/3/2025	0.002	SW-3050- 6010B
Zinc (Zn)	7500	744	2/3/2025	0.001	SW-3050- 6010B
PCB (ppm)	50.0 ppm	0.4	2/3/2025	0.001	SW-3570 8080

NUTRIENT ANALYSIS

Nutrient	Concentration (%)	Sample Date	Detection Level for Analysis	Sample Method
Total Kjeldahl Nitrogen (TKN)	6.12	2/3/2025	0.01	TKN T EPA 351.2
Ammonium Nitrogen (NH4-N)	0.723	2/3/2025	0.01	NH3-N T
Nitrate Nitrogen (NO3-N)	0.00085	2/3/2025	0.01	EPA 300.0 SM4500-NO3 E
Total Phosphorus (P)	1.72	2/3/2025	0.01	SM 4500-P E
Total Potassium (K)	0.545	2/3/2025	0.002	SW-3050- 6010B

Table 1
Pollutant and Nutrient Concentrations in Biosolids and Water Treatment Residuals (if applicable)

Complete this table **for each source** of biosolids and residuals.

Facility Name: West Park MUD

TCEQ Authorization Number: WQ0012346001

POLLUTANT/METAL ANALYSIS

Pollutant	Maximum Concentration, mg/kg dry weight	Test Results, mg/kg dry weight	Sample Date	Detection Level for Analysis	Sample Method
Arsenic (As)	75	9.29	4/23/2024	0.001	SW-3050- 6010B
Cadmium (Cd)	85	0.355	4/23/2024	0.001	SW-3050- 6010B
Chromium (Cr)	3000	22.7	4/23/2024	0.005	SW-3050- 6010B
Copper (Cu)	4300	85.8	4/23/2024	0.002	SW-3050- 6010B
Lead (Pb)	840	6.4	4/23/2024	0.005	SW-3050- 6010B
Mercury (Hg)	57	0.334	4/23/2024	0.0002	SW-3050-6010/ 7471
Molybdenum (Mo)	75	22.7	4/23/2024	0.001	SW-3050- 6010B
Nickel (Ni)	420	22.7	4/23/2024	0.008	SW-3050- 6010B
Selenium (Se)	100	2.26	4/23/2024	0.002	SW-3050- 6010B
Zinc (Zn)	7500	1320	4/23/2024	0.001	SW-3050- 6010B
PCB (ppm)	50.0 ppm	0.000397	4/23/2024	0.001	SW-3570 8080

NUTRIENT ANALYSIS

Nutrient	Concentration (%)	Sample Date	Detection Level for Analysis	Sample Method
Total Kjeldahl Nitrogen (TKN)	7.12	4/23/2024	0.01	TKN T EPA 351.2
Ammonium Nitrogen (NH4-N)	1.11	4/23/2024	0.01	NH3-N T
Nitrate Nitrogen (NO3-N)	0.0124	4/23/2024	0.01	EPA 300.0 SM4500-NO3 E
Total Phosphorus (P)	0.629	4/23/2024	0.01	SM 4500-P E
Total Potassium (K)	0.173	4/23/2024	0.002	SW-3050- 6010B

Table 1
Pollutant and Nutrient Concentrations in Biosolids and Water Treatment Residuals (if applicable)

Complete this table **for each source** of biosolids and residuals.

Facility Name: Heather Glen

TCEQ Authorization Number: WQ0011231001

POLLUTANT/METAL ANALYSIS

Pollutant	Maximum Concentration, mg/kg dry weight	Test Results, mg/kg dry weight	Sample Date	Detection Level for Analysis	Sample Method
Arsenic (As)	75	76.9	11/26/2024	0.001	SW-3050- 6010B
Cadmium (Cd)	85	76.9	11/26/2024	0.001	SW-3050- 6010B
Chromium (Cr)	3000	76.9	11/26/2024	0.005	SW-3050- 6010B
Copper (Cu)	4300	198	11/26/2024	0.002	SW-3050- 6010B
Lead (Pb)	840	76.9	11/26/2024	0.005	SW-3050- 6010B
Mercury (Hg)	57	0.233	11/26/2024	0.0002	SW-3050-6010/ 7471
Molybdenum (Mo)	75	76.9	11/26/2024	0.001	SW-3050- 6010B
Nickel (Ni)	420	76.9	11/26/2024	0.008	SW-3050- 6010B
Selenium (Se)	100	76.9	11/26/2024	0.002	SW-3050- 6010B
Zinc (Zn)	7500	1110	11/26/2024	0.001	SW-3050- 6010B
PCB (ppm)	50.0 ppm	1.63	11/26/2024	0.001	SW-3570 8080

NUTRIENT ANALYSIS

Nutrient	Concentration (%)	Sample Date	Detection Level for Analysis	Sample Method
Total Kjeldahl Nitrogen (TKN)	1.58	11/26/2024	0.01	TKN T EPA 351.2
Ammonium Nitrogen (NH4-N)	4.42	11/26/2024	0.01	NH3-N T
Nitrate Nitrogen (NO3-N)	0.242	11/26/2024	0.01	EPA 300.0 SM4500-NO3 E
Total Phosphorus (P)	1.6	11/26/2024	0.01	SM 4500-P E
Total Potassium (K)	0.494	11/26/2024	0.002	SW-3050- 6010B

TCEQ Table 2 Volume Weighted Average (Mean) of Nutrient and Pollutant Concentration -

Source Facility Name	TCEQ Authorization Number	Pollutant Concentration mg/kg										Nutrient Concentration %				
		As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn	TKN	NH_4-N	NO_3-N	P	K
Bilma Pud WWTP	WQ0012025002	15.7	2.51	44.9	1160	50.3	0.823	20.6	38.1	24	2970	9.84	0.562	0.13	1.58	1.68
Cinco Central WWTP	WQ0013558001	2.08	0.273	6.51	117	3.91	0.395	3.5	6.46	4.59	335	6.27	0.645	0.00056	0.659	0.257
Cinco MUD Southwest 1	WQ0014343001	4.87	0.329	9.55	195	3.61	0.389	5.64	9.84	5.81	622	7.04	1.16	1.17	0.0622	0.933
HC 70	WQ0011486001	4.93	0.427	7.39	206	5	0.561	4.67	8.35	5.3	529	5.9	0.454	0.89	0.808	0.251
MC112	WQ0014671001	76.9	76.9	76.9	94.6	76.9	0.3	16.9	76.9	76.9	601	16.2	0.769	0.0055	1	385
Northpark PUD	WQ0011855001	200	200	200	200	200	0.4	200	200	200	378	0.617	2	0.009	2.22	1000
NWHC 21,22,23	WQ0012144001	3.69	0.369	4.02	57.4	2.98	0.534	1.94	5.15	3.69	634	5.34	0.352	1.99	1.12	0.611
West Memorial	WQ0011152001	7.47	0.409	8.45	174	9.44	0.228	7.6	7.87	4.42	744	6.12	0.723	0.00085	1.72	0.545
West Park MUD	WQ0012346001	9.29	0.355	22.7	85.8	6.4	0.334	22.7	22.7	2.26	1320	7.12	1.11	0.0124	0.629	0.173
Heather Glen	WQ0011231001	76.9	76.9	76.9	198	76.9	0.233	76.9	76.9	76.9	1110	1.58	4.42	0.242	1.6	0.494

TCEQ Authorization Number	Estimated Dry Metric Tons	Pollutant Concentrations mg/kg X Estimated Dry Metric Tons									
		As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
WQ0012025002	5.505	86.425	13.817	247.166	6385.568	276.891	4.530	113.399	209.733	132.115	16349.257
WQ0013558001	69.975	145.548	19.103	455.538	8187.097	273.603	27.640	244.913	452.040	321.186	23441.688
WQ0014343001	16.514	80.425	5.433	157.713	3220.308	59.617	6.424	93.141	162.502	95.949	10271.958
WQ0011486001	31.194	153.786	13.320	230.523	6425.937	155.969	17.500	145.675	260.469	165.328	16501.557
WQ0014671001	0.635	48.817	48.817	48.817	60.053	48.817	0.190	10.728	48.817	48.817	381.523
WQ0011855001	0.834	166.823	166.823	166.823	166.823	166.823	0.334	166.823	166.823	166.823	315.296
WQ0012144001	14.935	55.110	5.511	60.038	857.259	44.506	7.975	28.974	76.914	55.110	9468.682
WQ0011152001	64.223	479.743	26.267	542.682	11174.745	606.262	14.643	488.092	505.432	283.864	47781.668
WQ0012346001	69.570	646.305	24.697	1579.239	5969.106	445.248	23.236	1579.239	1579.239	157.228	91832.400
WQ0011231001	26.949	2072.378	2072.378	2072.378	5335.902	2072.378	6.279	2072.378	2072.378	2072.378	29913.390
Total	300.33	3935.36	2396.17	5560.92	47782.80	4150.12	108.75	4943.36	5534.35	3498.80	246257.42
Units		mg/kg									
Metal		**As**	**Cd**	**Cr**	**Cu**	**Pb**	**Hg**	**Mo**	**Ni**	**Se**	**Zn**
Volume Weighted Means		**13.103**	**7.978**	**18.516**	**159.099**	**13.818**	**0.362**	**16.460**	**18.427**	**11.650**	**819.946**
Pounds Per Ton		**0.0262**	**0.0160**	**0.0370**	**0.3182**	**0.0276**	**0.0007**	**0.0329**	**0.0369**	**0.0233**	**1.6399**

TCEQ Authorization Number	Estimated Dry Metric Tons	Nutrient Concentrations % X Estimated Dry Metric Tons				
		TKN	NH_4-N	NO_3-N	P	K
WQ0012025002	5.505	54.167	3.094	0.716	8.698	9.248
WQ0013558001	69.975	438.744	45.134	0.039	46.114	17.984
WQ0014343001	16.514	116.261	19.157	19.322	1.027	15.408
WQ0011486001	31.194	184.044	14.162	27.763	25.205	7.830
WQ0014671001	0.635	10.284	0.488	0.003	0.635	244.403
WQ0011855001	0.834	0.515	1.668	0.008	1.852	834.116
WQ0012144001	14.935	79.752	5.257	29.720	16.727	9.125
WQ0011152001	64.223	393.043	46.433	0.055	110.463	35.001
WQ0012346001	69.570	495.338	77.223	0.863	43.760	12.036
WQ0011231001	26.949	42.579	119.115	6.522	43.118	13.313
Total	300.33	1814.73	331.73	85.01	297.60	1198.46
Units		%				
Nutrient		**TKN**	**NH4-N**	**NO3-N**	**P**	**K**
Volume Weighted Means		**6.042**	**1.105**	**0.283**	**0.991**	**3.990**
Pounds Per Ton		**120.847**	**22.091**	**5.661**	**19.818**	**79.809**

APPENDIX A
AGRONOMIC RATE CALCULATIONS

Note: The maximun allowable agronomic rate for land application of Class B Biosolids is 12 tons/ acre/year

APPENDIX A, PART 1. APPLICATION RATE

STEP 1. CALCULATE QUANTY OF NUTRIENTS AND METALS IN BIOSOLIDS AND RESIDUALS POUNDS PER TON.

Nutrient	Concentration (%)**	Conversion Factor	Pounds per Ton
Total Kjeldahl Nitrogen (TKN)	6.0	x 20	120.8
Ammonium Nitrogen (NH_4-N)	1.1	x 20	22.1
Nitrate Nitrogen (NO_3-N)	0.3	x 20	5.7
Total Phosphorus (P)	1.0	x 20	19.8
Total Potassium (K)	4.0	x 20	79.8

Pollutant		Test Results, mg/kg dry weight	Conversion Factor	Pounds per Ton
Total Arsenic	(As)	13.1	x 0.002	0.02621
Total Cadmium	(Cd)	8.0	x 0.002	0.01596
Total Chromium	(Cr)	18.5	x 0.002	0.03703
Total Copper	(Cu)	159.1	x 0.002	0.31820
Total Lead	(Pb)	13.8	x 0.002	0.02764
Total Mercury	(Hg)	0.4	x 0.002	0.00072
Total Molybdenum	(Mo)	16.5	x 0.002	0.03292
Total Nickel	(Ni)	18.4	x 0.002	0.03685
Total Selenium	(Se)	11.6	x 0.002	0.02330
Total Zinc	(Zn)	819.9	x 0.002	1.63989

** Values from laboratory analysis (dry weight only).

Conversions:
mg/kg ÷ 10,000 = %
ppm = mg/kg

STEP 2. CROPPING PLAN AND NUTRIENT NEEDS

Warm Season Intended Crop(s): Improved Coastal Bermuda Grass

Yield Goal: 7.2 DT/A & Grazing Nitrogen Requirement, in lb/yr: 360

Cool Season Intended Crop(s): Winter Pasture

Yield Goal: 3.6 DT/A & Grazing Nitrogen Requirement, in lb/yr: 180

Provide the data source for the nitrogen requirement above.

Crop nutrient need is based on 50 lb.N/ton of forage, Texas Agricultural Extension Service,Fertilizing Summer Perennial Pastures, Publication L-2210.

Nirtrogen needed by crop:

2A. Total Nitrogen Requirement*	540
2B. Nitrogen availiable in soil**	112.28
2C. Nitrogen amount still needed Line 2A - Line 2B	427.72

*Line 2A = Sum of the nitrogen requirement for the specified yeild goals for the warm season crop and cool season crop

** Line 2B = $2*NO_3$-N (ppm)(0-6"soil depth) + $6*NO_3$-N(ppm)(6-24"soil depth)

Step 3. CALCULATE THE PLANT AVAILABLE NITROGEN (PAN) PROVIDED BY THE BIOSOLIDS AND RESIDUALS

Use the TKN, NH_4-N, and NO_3-N from Step 1.

Organic Nitrogen = TKN - (NH_4-N + NO_3-N)	93.095683
Mineralization Rate (%)*	30%
3A. Organic Nitrogen x Mineralization Rate	27.928705
3B. Ammonium Nitrogen = (NH_4-N) x V	22.090772
V= 0.5 if biosolids are left on soil surface	
V= 1.0 if biosolids are worked into the soil	
3C. Nitrate Nitrogen (NO_3-N) =	5.6609984
3D. Total PAN = (Line 3A + Line 3B + Line 3C)=	55.680475

*Mineralization Rates:

Treatment Method	Mineralization Rates
Unstabilized Primary and Waste Activated Bio Solids	40%
Aerobically Digested Bioslolids	30%
Anaerobically Digested Biosolids	20%
Composted Biosolids	10%

Step 4. CALCULATE MAXIUM BIOSOLIDS APPLICATION RATES BASED ON CROP NITROGEN NEEDS (SAR_N)

4A. Nitrogen amount still needed (lbs/acre/year)	
Enter amount from Step 2C.	427.72
4B. Total PAN (lbs/ton)	
Enter amount from Step 3D.	55.680475
4C. Biosolids Application Rate (BAR_N) (tons/acre/year)	
Line 4A ÷ Line 4B	7.68

STEP 5. CALCULATE MAXIMUM APPLICATION RATE BASED ON METALS (SAR_M)

METAL	A Cumulative Metal Limits (lbs/ac)	B Max Loading Rate (lbs/ac/yr)	C Metals in Biosolids (lbs/ton) (Step 1)	D Metals Applied Yearly at BAR_N (lbs/ac/yr) C x SAR_N	E Metals Applied Annually at SAR_M (lb./ac./yr) *B/C*	F Max Sludge Loading Rate (ton/ac.) *A/C*
Arsenic	36	1.8	**0.02621**	0.20131	**N/A**	**1373.70010**
Cadmium	35	1.7	**0.01596**	0.12257	**N/A**	**2193.43601**
Chromium	2677	134	**0.03703**	0.28447	**N/A**	**72289.63963**
Copper	1339	67	**0.31820**	2.44430	**N/A**	**4208.07085**
Lead	268	13	**0.02764**	0.21230	**N/A**	**9697.25240**
Mercury	15	0.76	**0.00072**	0.00556	**N/A**	**20712.27434**
Molybdenu	Monitor	Monitor				
Nickel	375	18.7	**0.03685**	0.28311	**N/A**	**10175.10496**
Selenium	89	4.5	**0.02330**	0.17898	**N/A**	**3819.84016**
Zinc	2500	125	**1.63989**	12.59714	**N/A**	**1524.49057**
Other						

Note: For each metal, if the value in column B is greater than the value in column D (B>D), the BAR_N dictates the maximum biosolids application rate. Enter N/A in column E. If the value in column B is less than value in column D (B<D), then the BAR_M dictates the maximum biosolids application rate and the value of E = B ÷ C.

STEP 6. CALCULATE THE CUMULATIVE LOADING RATE

6A. Maximum allowable cumulative biosolids loading rate
Lowest value in Step 5, Column F (tons/acre) 1524.49

6B. Previous applications of biosolids (tons/acre) 5.37

6C. Remaining biosolids application rate to reach metal limits
Line 6A - Line 6B (tons/acre) 1519.12

6D. Maximun allowable biosolids application rate
Lowest value of Step 4C and Step 5, Column E(tons/acre/year) 7.68

6E. Years remaining to reach the maximum cumulative loading
Line 6C ÷ Line 6D (years) 198

APPENDIX A, PART 2. SEPTAGE APPLICATION RATE

Complete Part 2 and 3 if sewage and septage are both applied at the site.

STEP 1. CROPPING PLAN AND NUTRIENT NEEDS

Warm Season Intended Crop(s Coastal Bermuda grass hay

Yield Goal: 7.2 dry tons / acre Nitrogen Requirement, in lb/yr 360

Cool Season Intended Crop(s): Winter Pasture/fescue hay

Yield Goal: 3.6 dry tons per acre Nitrogen Requirement, in lb/yr 180

Provide the data source for the nitrogen requirements.

Crop nutrient need is based on 50 lb.N/ton of forage, Texas Agricultural Extension Service,Fertilizing Summer Perennial Pastures, Publication L-2210.

Nitrogen needed by crop:

1A.	Total Nitrogen Requirement*	540
1B.	Nitrogen available in soil**	112.28
1C.	Nitrogen amount still needed Line A - Line B	427.72

*Line 1A = Sum of the nitrogen requirement for the specified yield goals for the warm season crop and cool season crop

**Line 1B = 2*NO_3-N (ppm)(in the 0-6" soil depth) + 6*NO_3- N(ppm)(in the 6-24" soil depth)

STEP 2. CALCULATE ANNUAL APPLICATION RATE

The annual application rate is based on the nitrogen needs of the crop. It is calculated using the following equation:

AAR = N ÷ 0.0026

AAR = Annual application rate, in gallons per acre per 365 day period.

N = Nitrogen amount still needed for the crop, in pounds per acre per 365 day period.

2A.	Enter amount from Step 1C	427.72
2B.	Conversion Factor	0.0026
2C.	Annual Application Rate (gal/acre/yr) Line 2A ÷ Line 2B	164508

APPENDIX A, PART 3: PROPORTIONATE AGRONOMIC RATE

Complete if both sewage and septage are applied in the same year.

Biosolids:

A. Biosolids Application Rate (tons/acre/year)	7.68
B. Percentage of plant nutrient supplied by the biosolids = 85 ÷ 100	0.85
C. Multiple Line A by Line B (tons/acre/year)	6.529434

Domestic Septage:

A. Biosolids Application Rate (tons/acre/year)	0.19
B. Percentage of plant nutrient supplied by the biosolids = 15 ÷ 100	0.15
C. Multiple Line A by Line B (tons/acre/year)	0.0284

APPENDIX A
AGRONOMIC RATE CALCULATIONS

Note: The maximun allowable agronomic rate for land application of Class B Biosolids is 12 tons/ acre/year

APPENDIX A, PART 1. APPLICATION RATE

STEP 1. CALCULATE QUANTY OF NUTRIENTS AND METALS IN BIOSOLIDS AND RESIDUALS POUNDS PER TON.

Nutrient	Concentration (%)**	Conversion Factor	Pounds per Ton
Total Kjeldahl Nitrogen (TKN)	6.0	x 20	120.8
Ammonium Nitrogen (NH_4-N)	1.1	x 20	22.1
Nitrate Nitrogen (NO_3-N)	0.3	x 20	5.7
Total Phosphorus (P)	1.0	x 20	19.8
Total Potassium (K)	4.0	x 20	79.8

Pollutant		Test Results, mg/kg dry weight	Conversion Factor	Pounds per Ton
Total Arsenic	(As)	13.1	x 0.002	0.02621
Total Cadmium	(Cd)	8.0	x 0.002	0.01596
Total Chromium	(Cr)	18.5	x 0.002	0.03703
Total Copper	(Cu)	159.1	x 0.002	0.31820
Total Lead	(Pb)	13.8	x 0.002	0.02764
Total Mercury	(Hg)	0.4	x 0.002	0.00072
Total Molybdenum	(Mo)	16.5	x 0.002	0.03292
Total Nickel	(Ni)	18.4	x 0.002	0.03685
Total Selenium	(Se)	11.6	x 0.002	0.02330
Total Zinc	(Zn)	819.9	x 0.002	1.63989

** Values from laboratory analysis (dry weight only).

Conversions:
mg/kg ÷ 10,000 = %
ppm = mg/kg

STEP 2. CROPPING PLAN AND NUTRIENT NEEDS

Warm Season Intended Crop(s): Improved Coastal Bermuda Grass

Yield Goal: 7.2 DT/A & Grazing Nitrogen Requirement, in lb/yr: 360

Cool Season Intended Crop(s): Winter Pasture

Yield Goal: 3.6 DT/A & Grazing Nitrogen Requirement, in lb/yr: 180

Provide the data source for the nitrogen requirement above.

Crop nutrient need is based on 50 lb.N/ton of forage, Texas Agricultural Extension Service,Fertilizing Summer Perennial Pastures, Publication L-2210.

Nirtrogen needed by crop:

2A. Total Nitrogen Requirement*	540
2B. Nitrogen availiable in soil**	107.86
2C. Nitrogen amount still needed Line 2A - Line 2B	432.14

*Line 2A = Sum of the nitrogen requirement for the specified yeild goals for the warm season crop and cool season crop

** Line 2B = 2*NO_3-N (ppm)(0-6"soil depth) + 6*NO_3-N(ppm)(6-24"soil depth)

Step 3. CALCULATE THE PLANT AVAILABLE NITROGEN (PAN) PROVIDED BY THE BIOSOLIDS AND RESIDUALS

Use the TKN, NH_4-N, and NO_3-N from Step 1.

Organic Nitrogen = TKN - (NH_4-N + NO_3-N)	93.095683
Mineralization Rate (%)*	30%
3A. Organic Nitrogen x Mineralization Rate	27.928705
3B. Ammonium Nitrogen = (NH_4-N) x V	22.090772
V= 0.5 if biosolids are left on soil surface	
V= 1.0 if biosolids are worked into the soil	
3C. Nitrate Nitrogen (NO_3-N) =	5.6609984
3D. Total PAN = (Line 3A + Line 3B + Line 3C)=	55.680475

*Mineralization Rates:

Treatment Method	Mineralization Rates
Unstabilized Primary and Waste Activated Bio Solids	40%
Aerobically Digested Bioslolids	30%
Anaerobically Digested Biosolids	20%
Composted Biosolids	10%

Step 4. CALCULATE MAXIUM BIOSOLIDS APPLICATION RATES BASED ON CROP NITROGEN NEEDS (SAR_N)

4A. Nitrogen amount still needed (lbs/acre/year)	
Enter amount from Step 2C.	432.14
4B. Total PAN (lbs/ton)	
Enter amount from Step 3D.	55.680475
4C. Biosolids Application Rate (BAR_N) (tons/acre/year)	
Line 4A ÷ Line 4B	7.76

STEP 5. CALCULATE MAXIMUM APPLICATION RATE BASED ON METALS (SAR_M)

METAL	A Cumulative Metal Limits (lbs/ac)	B Max Loading Rate (lbs/ac/yr)	C Metals in Biosolids (lbs/ton) (Step 1)	D Metals Applied Yearly at BAR_N (lbs/ac/yr) C x SAR_N	E Metals Applied Annually at SAR_M (lb./ac./yr) *B/C*	F Max Sludge Loading Rate (ton/ac.) *A/C*
Arsenic	36	1.8	**0.02621**	0.20339	**N/A**	**1373.70010**
Cadmium	35	1.7	**0.01596**	0.12384	**N/A**	**2193.43601**
Chromium	2677	134	**0.03703**	0.28740	**N/A**	**72289.63963**
Copper	1339	67	**0.31820**	2.46956	**N/A**	**4208.07085**
Lead	268	13	**0.02764**	0.21449	**N/A**	**9697.25240**
Mercury	15	0.76	**0.00072**	0.00562	**N/A**	**20712.27434**
Molybdenu	Monitor	Monitor				
Nickel	375	18.7	**0.03685**	0.28603	**N/A**	**10175.10496**
Selenium	89	4.5	**0.02330**	0.18083	**N/A**	**3819.84016**
Zinc	2500	125	**1.63989**	12.72732	**N/A**	**1524.49057**
Other						

Note: For each metal, if the value in column B is greater than the value in column D (B>D), the BAR_N dictates the maximum biosolids application rate. Enter N/A in column E. If the value in column B is less than value in column D (B<D), then the BAR_M dictates the maximum biosolids application rate and the value of E = B ÷ C.

STEP 6. CALCULATE THE CUMULATIVE LOADING RATE

6A. Maximum allowable cumulative biosolids loading rate
Lowest value in Step 5, Column F (tons/acre) 1524.49

6B. Previous applications of biosolids (tons/acre) 8.35

6C. Remaining biosolids application rate to reach metal limits
Line 6A - Line 6B (tons/acre) 1516.14

6D. Maximun allowable biosolids application rate
Lowest value of Step 4C and Step 5, Column E(tons/acre/year) 7.76

6E. Years remaining to reach the maximum cumulative loading
Line 6C ÷ Line 6D (years) 195

APPENDIX A, PART 2. SEPTAGE APPLICATION RATE

Complete Part 2 and 3 if sewage and septage are both applied at the site.

STEP 1. CROPPING PLAN AND NUTRIENT NEEDS

Warm Season Intended Crop(s Coastal Bermuda grass hay

Yield Goal: 7.2 dry tons / acre Nitrogen Requirement, in lb/yr 360

Cool Season Intended Crop(s): Winter Pasture/fescue hay

Yield Goal: 3.6 dry tons per acre Nitrogen Requirement, in lb/yr 180

Provide the data source for the nitrogen requirements.

Crop nutrient need is based on 50 lb.N/ton of forage, Texas Agricultural Extension Service,Fertilizing Summer Perennial Pastures, Publication L-2210.

Nitrogen needed by crop:

1A.	Total Nitrogen Requirement*	540
1B.	Nitrogen available in soil**	107.86
1C.	Nitrogen amount still needed Line A - Line B	432.14

*Line 1A = Sum of the nitrogen requirement for the specified yield goals for the warm season crop and cool season crop

**Line 1B = 2*NO_3-N (ppm)(in the 0-6" soil depth) + 6*NO_3- N(ppm)(in the 6-24" soil depth)

STEP 2. CALCULATE ANNUAL APPLICATION RATE

The annual application rate is based on the nitrogen needs of the crop. It is calculated using the following equation:

AAR = N ÷ 0.0026

AAR = Annual application rate, in gallons per acre per 365 day period.

N = Nitrogen amount still needed for the crop, in pounds per acre per 365 day period.

2A.	Enter amount from Step 1C	432.14
2B.	Conversion Factor	0.0026
2C.	Annual Application Rate (gal/acre/yr) Line 2A ÷ Line 2B	166208

APPENDIX A, PART 3: PROPORTIONATE AGRONOMIC RATE

Complete if both sewage and septage are applied in the same year.

Biosolids:

A. Biosolids Application Rate (tons/acre/year) 7.76

B. Percentage of plant nutrient supplied by the biosolids
= 85 ÷ 100 0.85

C. Multiple Line A by Line B (tons/acre/year) 6.596909

Domestic Septage:

A. Biosolids Application Rate (tons/acre/year) 0.18

B. Percentage of plant nutrient supplied by the biosolids
= 15 ÷ 100 0.15

C. Multiple Line A by Line B (tons/acre/year) 0.027592

APPENDIX A
AGRONOMIC RATE CALCULATIONS

Note: The maximun allowable agronomic rate for land application of Class B Biosolids is 12 tons/ acre/year

APPENDIX A, PART 1. APPLICATION RATE

STEP 1. CALCULATE QUANTY OF NUTRIENTS AND METALS IN BIOSOLIDS AND RESIDUALS POUNDS PER TON.

Nutrient	Concentration (%)**	Conversion Factor	Pounds per Ton
Total Kjeldahl Nitrogen (TKN)	6.0	x 20	120.8
Ammonium Nitrogen (NH_4-N)	1.1	x 20	22.1
Nitrate Nitrogen (NO_3-N)	0.3	x 20	5.7
Total Phosphorus (P)	1.0	x 20	19.8
Total Potassium (K)	4.0	x 20	79.8

Pollutant		Test Results, mg/kg dry weight	Conversion Factor	Pounds per Ton
Total Arsenic	(As)	13.1	x 0.002	0.02621
Total Cadmium	(Cd)	8.0	x 0.002	0.01596
Total Chromium	(Cr)	18.5	x 0.002	0.03703
Total Copper	(Cu)	159.1	x 0.002	0.31820
Total Lead	(Pb)	13.8	x 0.002	0.02764
Total Mercury	(Hg)	0.4	x 0.002	0.00072
Total Molybdenum	(Mo)	16.5	x 0.002	0.03292
Total Nickel	(Ni)	18.4	x 0.002	0.03685
Total Selenium	(Se)	11.6	x 0.002	0.02330
Total Zinc	(Zn)	819.9	x 0.002	1.63989

** Values from laboratory analysis (dry weight only).

Conversions:
mg/kg ÷ 10,000 = %
ppm = mg/kg

STEP 2. CROPPING PLAN AND NUTRIENT NEEDS

Warm Season Intended Crop(s): Improved Coastal Bermuda Grass

Yield Goal: 7.2 DT/A & Grazing Nitrogen Requirement, in lb/yr: 360

Cool Season Intended Crop(s): Winter Pasture

Yield Goal: 3.6 DT/A & Grazing Nitrogen Requirement, in lb/yr: 180

Provide the data source for the nitrogen requirement above.

Crop nutrient need is based on 50 lb.N/ton of forage, Texas Agricultural Extension Service,Fertilizing Summer Perennial Pastures, Publication L-2210.

Nirtrogen needed by crop:

2A. Total Nitrogen Requirement*	540
2B. Nitrogen availiable in soil**	97.72
2C. Nitrogen amount still needed Line 2A - Line 2B	442.28

*Line 2A = Sum of the nitrogen requirement for the specified yeild goals for the warm season crop and cool season crop

** Line 2B = $2*NO_3$-N (ppm)(0-6"soil depth) + $6*NO_3$-N(ppm)(6-24"soil depth)

Step 3. CALCULATE THE PLANT AVAILABLE NITROGEN (PAN) PROVIDED BY THE BIOSOLIDS AND RESIDUALS

Use the TKN, NH_4-N, and NO_3-N from Step 1.

Organic Nitrogen = TKN - (NH_4-N + NO_3-N)	93.095683
Mineralization Rate (%)*	30%
3A. Organic Nitrogen x Mineralization Rate	27.928705
3B. Ammonium Nitrogen = (NH_4-N) x V	22.090772
V= 0.5 if biosolids are left on soil surface	
V= 1.0 if biosolids are worked into the soil	
3C. Nitrate Nitrogen (NO_3-N) =	5.6609984
3D. Total PAN = (Line 3A + Line 3B + Line 3C)=	55.680475

*Mineralization Rates:

Treatment Method	Mineralization Rates
Unstabilized Primary and Waste Activated Bio Solids	40%
Aerobically Digested Bioslolids	30%
Anaerobically Digested Biosolids	20%
Composted Biosolids	10%

Step 4. CALCULATE MAXIUM BIOSOLIDS APPLICATION RATES BASED ON CROP NITROGEN NEEDS (SAR_N)

4A. Nitrogen amount still needed (lbs/acre/year)	
Enter amount from Step 2C.	442.28
4B. Total PAN (lbs/ton)	
Enter amount from Step 3D.	55.680475
4C. Biosolids Application Rate (BAR_N) (tons/acre/year)	
Line 4A ÷ Line 4B	7.94

STEP 5. CALCULATE MAXIMUM APPLICATION RATE BASED ON METALS (SAR_M)

METAL	A Cumulative Metal Limits (lbs/ac)	B Max Loading Rate (lbs/ac/yr)	C Metals in Biosolids (lbs/ton) (Step 1)	D Metals Applied Yearly at BAR_N (lbs/ac/yr) C x SAR_N	E Metals Applied Annually at SAR_M (lb./ac./yr) *B/C*	F Max Sludge Loading Rate (ton/ac.) *A/C*
Arsenic	36	1.8	**0.02621**	0.20816	**N/A**	**1373.70010**
Cadmium	35	1.7	**0.01596**	0.12675	**N/A**	**2193.43601**
Chromium	2677	134	**0.03703**	0.29415	**N/A**	**72289.63963**
Copper	1339	67	**0.31820**	2.52750	**N/A**	**4208.07085**
Lead	268	13	**0.02764**	0.21952	**N/A**	**9697.25240**
Mercury	15	0.76	**0.00072**	0.00575	**N/A**	**20712.27434**
Molybdenu	Monitor	Monitor				
Nickel	375	18.7	**0.03685**	0.29274	**N/A**	**10175.10496**
Selenium	89	4.5	**0.02330**	0.18507	**N/A**	**3819.84016**
Zinc	2500	125	**1.63989**	13.02596	**N/A**	**1524.49057**
Other						

Note: For each metal, if the value in column B is greater than the value in column D (B>D), the BAR_N dictates the maximum biosolids application rate. Enter N/A in column E. If the value in column B is less than value in column D (B<D), then the BAR_M dictates the maximum biosolids application rate and the value of E = B ÷ C.

STEP 6. CALCULATE THE CUMULATIVE LOADING RATE

6A. Maximum allowable cumulative biosolids loading rate
Lowest value in Step 5, Column F (tons/acre) 1524.49

6B. Previous applications of biosolids (tons/acre) 6.84

6C. Remaining biosolids application rate to reach metal limits
Line 6A - Line 6B (tons/acre) 1517.65

6D. Maximun allowable biosolids application rate
Lowest value of Step 4C and Step 5, Column E(tons/acre/year) 7.94

6E. Years remaining to reach the maximum cumulative loading
Line 6C ÷ Line 6D (years) 191

APPENDIX A, PART 2. SEPTAGE APPLICATION RATE

Complete Part 2 and 3 if sewage and septage are both applied at the site.

STEP 1. CROPPING PLAN AND NUTRIENT NEEDS

Warm Season Intended Crop(s Coastal Bermuda grass hay

Yield Goal: 7.2 dry tons / acre Nitrogen Requirement, in lb/yr 360

Cool Season Intended Crop(s): Winter Pasture/fescue hay

Yield Goal: 3.6 dry tons per acre Nitrogen Requirement, in lb/yr 180

Provide the data source for the nitrogen requirements.

Crop nutrient need is based on 50 lb.N/ton of forage, Texas Agricultural Extension Service,Fertilizing Summer Perennial Pastures, Publication L-2210.

Nitrogen needed by crop:

1A.	Total Nitrogen Requirement*	540
1B.	Nitrogen available in soil**	97.72
1C.	Nitrogen amount still needed Line A - Line B	442.28

*Line 1A = Sum of the nitrogen requirement for the specified yield goals for the warm season crop and cool season crop

**Line 1B = 2*NO_3-N (ppm)(in the 0-6" soil depth) + 6*NO_3- N(ppm)(in the 6-24" soil depth)

STEP 2. CALCULATE ANNUAL APPLICATION RATE

The annual application rate is based on the nitrogen needs of the crop. It is calculated using the following equation:

AAR = N ÷ 0.0026

AAR = Annual application rate, in gallons per acre per 365 day period.

N = Nitrogen amount still needed for the crop, in pounds per acre per 365 day period.

2A.	Enter amount from Step 1C	442.28
2B.	Conversion Factor	0.0026
2C.	Annual Application Rate (gal/acre/yr) Line 2A ÷ Line 2B	170108

APPENDIX A, PART 3: PROPORTIONATE AGRONOMIC RATE

Complete if both sewage and septage are applied in the same year.

Biosolids:

A. Biosolids Application Rate (tons/acre/year) 7.94

B. Percentage of plant nutrient supplied by the biosolids
= 85 ÷ 100 0.85

C. Multiple Line A by Line B (tons/acre/year) 6.751702

Domestic Septage:

A. Biosolids Application Rate (tons/acre/year) 0.08

B. Percentage of plant nutrient supplied by the biosolids
= 15 ÷ 100 0.15

C. Multiple Line A by Line B (tons/acre/year) 0.012339

APPENDIX A
AGRONOMIC RATE CALCULATIONS

Note: The maximun allowable agronomic rate for land application of Class B Biosolids is 12 tons/ acre/year

APPENDIX A, PART 1. APPLICATION RATE

STEP 1. CALCULATE QUANTY OF NUTRIENTS AND METALS IN BIOSOLIDS AND RESIDUALS POUNDS PER TON.

Nutrient	Concentration (%)**	Conversion Factor	Pounds per Ton
Total Kjeldahl Nitrogen (TKN)	6.0	x 20	120.8
Ammonium Nitrogen (NH_4-N)	1.1	x 20	22.1
Nitrate Nitrogen (NO_3-N)	0.3	x 20	5.7
Total Phosphorus (P)	1.0	x 20	19.8
Total Potassium (K)	4.0	x 20	79.8

Pollutant		Test Results, mg/kg dry weight	Conversion Factor	Pounds per Ton
Total Arsenic	(As)	13.1	x 0.002	0.02621
Total Cadmium	(Cd)	8.0	x 0.002	0.01596
Total Chromium	(Cr)	18.5	x 0.002	0.03703
Total Copper	(Cu)	159.1	x 0.002	0.31820
Total Lead	(Pb)	13.8	x 0.002	0.02764
Total Mercury	(Hg)	0.4	x 0.002	0.00072
Total Molybdenum	(Mo)	16.5	x 0.002	0.03292
Total Nickel	(Ni)	18.4	x 0.002	0.03685
Total Selenium	(Se)	11.6	x 0.002	0.02330
Total Zinc	(Zn)	819.9	x 0.002	1.63989

** Values from laboratory analysis (dry weight only).

Conversions:
mg/kg ÷ 10,000 = %
ppm = mg/kg

STEP 2. CROPPING PLAN AND NUTRIENT NEEDS

Warm Season Intended Crop(s): Improved Coastal Bermuda Grass

Yield Goal: 7.2 DT/A & Grazing Nitrogen Requirement, in lb/yr: 360

Cool Season Intended Crop(s): Winter Pasture

Yield Goal: 3.6 DT/A & Grazing Nitrogen Requirement, in lb/yr: 180

Provide the data source for the nitrogen requirement above.

Crop nutrient need is based on 50 lb.N/ton of forage, Texas Agricultural Extension Service,Fertilizing Summer Perennial Pastures, Publication L-2210.

Nirtrogen needed by crop:

2A. Total Nitrogen Requirement*	540
2B. Nitrogen availiable in soil**	99.08
2C. Nitrogen amount still needed Line 2A - Line 2B	440.92

*Line 2A = Sum of the nitrogen requirement for the specified yeild goals for the warm season crop and cool season crop

** Line 2B = $2*NO_3$-N (ppm)(0-6"soil depth) + $6*NO_3$-N(ppm)(6-24"soil depth)

Step 3. CALCULATE THE PLANT AVAILABLE NITROGEN (PAN) PROVIDED BY THE BIOSOLIDS AND RESIDUALS

Use the TKN, NH_4-N, and NO_3-N from Step 1.

Organic Nitrogen = TKN - (NH_4-N + NO_3-N)	93.095683
Mineralization Rate (%)*	30%
3A. Organic Nitrogen x Mineralization Rate	27.928705
3B. Ammonium Nitrogen = (NH_4-N) x V	22.090772
V= 0.5 if biosolids are left on soil surface	
V= 1.0 if biosolids are worked into the soil	
3C. Nitrate Nitrogen (NO_3-N) =	5.6609984
3D. Total PAN = (Line 3A + Line 3B + Line 3C)=	55.680475

*Mineralization Rates:

Treatment Method	Mineralization Rates
Unstabilized Primary and Waste Activated Bio Solids	40%
Aerobically Digested Bioslolids	30%
Anaerobically Digested Biosolids	20%
Composted Biosolids	10%

Step 4. CALCULATE MAXIUM BIOSOLIDS APPLICATION RATES BASED ON CROP NITROGEN NEEDS (SAR_N)

4A. Nitrogen amount still needed (lbs/acre/year)	
Enter amount from Step 2C.	440.92
4B. Total PAN (lbs/ton)	
Enter amount from Step 3D.	55.680475
4C. Biosolids Application Rate (BAR_N) (tons/acre/year)	
Line 4A ÷ Line 4B	7.92

STEP 5. CALCULATE MAXIMUM APPLICATION RATE BASED ON METALS (SAR_M)

METAL	A Cumulative Metal Limits (lbs/ac)	B Max Loading Rate (lbs/ac/yr)	C Metals in Biosolids (lbs/ton) (Step 1)	D Metals Applied Yearly at BAR_N (lbs/ac/yr) C x SAR_N	E Metals Applied Annually at SAR_M (lb./ac./yr) *B/C*	F Max Sludge Loading Rate (ton/ac.) *A/C*
Arsenic	36	1.8	**0.02621**	0.20752	**N/A**	**1373.70010**
Cadmium	35	1.7	**0.01596**	0.12636	**N/A**	**2193.43601**
Chromium	2677	134	**0.03703**	0.29324	**N/A**	**72289.63963**
Copper	1339	67	**0.31820**	2.51973	**N/A**	**4208.07085**
Lead	268	13	**0.02764**	0.21885	**N/A**	**9697.25240**
Mercury	15	0.76	**0.00072**	0.00573	**N/A**	**20712.27434**
Molybdenu	Monitor	Monitor				
Nickel	375	18.7	**0.03685**	0.29184	**N/A**	**10175.10496**
Selenium	89	4.5	**0.02330**	0.18450	**N/A**	**3819.84016**
Zinc	2500	125	**1.63989**	12.98590	**N/A**	**1524.49057**
Other						

Note: For each metal, if the value in column B is greater than the value in column D (B>D), the BAR_N dictates the maximum biosolids application rate. Enter N/A in column E. If the value in column B is less than value in column D (B<D), then the BAR_M dictates the maximum biosolids application rate and the value of E = B ÷ C.

STEP 6. CALCULATE THE CUMULATIVE LOADING RATE

6A. Maximum allowable cumulative biosolids loading rate
Lowest value in Step 5, Column F (tons/acre) 1524.49

6B. Previous applications of biosolids (tons/acre) 5.95

6C. Remaining biosolids application rate to reach metal limits
Line 6A - Line 6B (tons/acre) 1518.54

6D. Maximun allowable biosolids application rate
Lowest value of Step 4C and Step 5, Column E(tons/acre/year) 7.92

6E. Years remaining to reach the maximum cumulative loading
Line 6C ÷ Line 6D (years) 192

APPENDIX A, PART 2. SEPTAGE APPLICATION RATE

Complete Part 2 and 3 if sewage and septage are both applied at the site.

STEP 1. CROPPING PLAN AND NUTRIENT NEEDS

Warm Season Intended Crop(s Coastal Bermuda grass hay

Yield Goal: 7.2 dry tons / acre Nitrogen Requirement, in lb/yr 360

Cool Season Intended Crop(s): Winter Pasture/fescue hay

Yield Goal: 3.6 dry tons per acre Nitrogen Requirement, in lb/yr 180

Provide the data source for the nitrogen requirements.

Crop nutrient need is based on 50 lb.N/ton of forage, Texas Agricultural Extension Service,Fertilizing Summer Perennial Pastures, Publication L-2210.

Nitrogen needed by crop:

1A.	Total Nitrogen Requirement*	540
1B.	Nitrogen available in soil**	99.08
1C.	Nitrogen amount still needed Line A - Line B	440.92

*Line 1A = Sum of the nitrogen requirement for the specified yield goals for the warm season crop and cool season crop

**Line 1B = 2*NO_3-N (ppm)(in the 0-6" soil depth) + 6*NO_3- N(ppm)(in the 6-24" soil depth)

STEP 2. CALCULATE ANNUAL APPLICATION RATE

The annual application rate is based on the nitrogen needs of the crop. It is calculated using the following equation:

AAR = N ÷ 0.0026

AAR = Annual application rate, in gallons per acre per 365 day period.

N = Nitrogen amount still needed for the crop, in pounds per acre per 365 day period.

2A.	Enter amount from Step 1C	440.92
2B.	Conversion Factor	0.0026
2C.	Annual Application Rate (gal/acre/yr) Line 2A ÷ Line 2B	169585

APPENDIX A, PART 3: PROPORTIONATE AGRONOMIC RATE

Complete if both sewage and septage are applied in the same year.

Biosolids:

A. Biosolids Application Rate (tons/acre/year) 7.92

B. Percentage of plant nutrient supplied by the biosolids
= 85 ÷ 100 0.85

C. Multiple Line A by Line B (tons/acre/year) 6.730941

Domestic Septage:

A. Biosolids Application Rate (tons/acre/year) 0.14

B. Percentage of plant nutrient supplied by the biosolids
= 15 ÷ 100 0.15

C. Multiple Line A by Line B (tons/acre/year) 0.020301

APPENDIX A
AGRONOMIC RATE CALCULATIONS

Note: The maximun allowable agronomic rate for land application of Class B Biosolids is 12 tons/ acre/year

APPENDIX A, PART 1. APPLICATION RATE

STEP 1. CALCULATE QUANTY OF NUTRIENTS AND METALS IN BIOSOLIDS AND RESIDUALS POUNDS PER TON.

Nutrient	Concentration (%)**	Conversion Factor	Pounds per Ton
Total Kjeldahl Nitrogen (TKN)	6.0	x 20	120.8
Ammonium Nitrogen (NH_4-N)	1.1	x 20	22.1
Nitrate Nitrogen (NO_3-N)	0.3	x 20	5.7
Total Phosphorus (P)	1.0	x 20	19.8
Total Potassium (K)	4.0	x 20	79.8

Pollutant		Test Results, mg/kg dry weight	Conversion Factor	Pounds per Ton
Total Arsenic	(As)	13.1	x 0.002	0.02621
Total Cadmium	(Cd)	8.0	x 0.002	0.01596
Total Chromium	(Cr)	18.5	x 0.002	0.03703
Total Copper	(Cu)	159.1	x 0.002	0.31820
Total Lead	(Pb)	13.8	x 0.002	0.02764
Total Mercury	(Hg)	0.4	x 0.002	0.00072
Total Molybdenum	(Mo)	16.5	x 0.002	0.03292
Total Nickel	(Ni)	18.4	x 0.002	0.03685
Total Selenium	(Se)	11.6	x 0.002	0.02330
Total Zinc	(Zn)	819.9	x 0.002	1.63989

** Values from laboratory analysis (dry weight only).

Conversions:
mg/kg ÷ 10,000 = %
ppm = mg/kg

STEP 2. CROPPING PLAN AND NUTRIENT NEEDS

Warm Season Intended Crop(s): Improved Coastal Bermuda Grass

Yield Goal: 7.2 DT/A & Grazing Nitrogen Requirement, in lb/yr: 360

Cool Season Intended Crop(s): Winter Pasture

Yield Goal: 3.6 DT/A & Grazing Nitrogen Requirement, in lb/yr: 180

Provide the data source for the nitrogen requirement above.

Crop nutrient need is based on 50 lb.N/ton of forage, Texas Agricultural Extension Service,Fertilizing Summer Perennial Pastures, Publication L-2210.

Nirtrogen needed by crop:

2A. Total Nitrogen Requirement*	540
2B. Nitrogen availiable in soil**	97.12
2C. Nitrogen amount still needed Line 2A - Line 2B	442.88

*Line 2A = Sum of the nitrogen requirement for the specified yeild goals for the warm season crop and cool season crop

** Line 2B = $2*NO_3$-N (ppm)(0-6"soil depth) + $6*NO_3$-N(ppm)(6-24"soil depth)

Step 3. CALCULATE THE PLANT AVAILABLE NITROGEN (PAN) PROVIDED BY THE BIOSOLIDS AND RESIDUALS

Use the TKN, NH_4-N, and NO_3-N from Step 1.

Organic Nitrogen = TKN - (NH_4-N + NO_3-N)	93.095683
Mineralization Rate (%)*	30%
3A. Organic Nitrogen x Mineralization Rate	27.928705
3B. Ammonium Nitrogen = (NH_4-N) x V	22.090772
V= 0.5 if biosolids are left on soil surface	
V= 1.0 if biosolids are worked into the soil	
3C. Nitrate Nitrogen (NO_3-N) =	5.6609984
3D. Total PAN = (Line 3A + Line 3B + Line 3C)=	55.680475

*Mineralization Rates:

Treatment Method	Mineralization Rates
Unstabilized Primary and Waste Activated Bio Solids	40%
Aerobically Digested Bioslolids	30%
Anaerobically Digested Biosolids	20%
Composted Biosolids	10%

Step 4. CALCULATE MAXIUM BIOSOLIDS APPLICATION RATES BASED ON CROP NITROGEN NEEDS (SAR_N)

4A. Nitrogen amount still needed (lbs/acre/year)	
Enter amount from Step 2C.	442.88
4B. Total PAN (lbs/ton)	
Enter amount from Step 3D.	55.680475
4C. Biosolids Application Rate (BAR_N) (tons/acre/year)	
Line 4A ÷ Line 4B	7.95

STEP 5. CALCULATE MAXIMUM APPLICATION RATE BASED ON METALS (SAR_M)

METAL	A Cumulative Metal Limits (lbs/ac)	B Max Loading Rate (lbs/ac/yr)	C Metals in Biosolids (lbs/ton) (Step 1)	D Metals Applied Yearly at BAR_N (lbs/ac/yr) C x SAR_N	E Metals Applied Annually at SAR_M (lb./ac./yr) *B/C*	F Max Sludge Loading Rate (ton/ac.) *A/C*
Arsenic	36	1.8	**0.02621**	0.20845	**N/A**	**1373.70010**
Cadmium	35	1.7	**0.01596**	0.12692	**N/A**	**2193.43601**
Chromium	2677	134	**0.03703**	0.29455	**N/A**	**72289.63963**
Copper	1339	67	**0.31820**	2.53093	**N/A**	**4208.07085**
Lead	268	13	**0.02764**	0.21982	**N/A**	**9697.25240**
Mercury	15	0.76	**0.00072**	0.00576	**N/A**	**20712.27434**
Molybdenu	Monitor	Monitor				
Nickel	375	18.7	**0.03685**	0.29314	**N/A**	**10175.10496**
Selenium	89	4.5	**0.02330**	0.18532	**N/A**	**3819.84016**
Zinc	2500	125	**1.63989**	13.04363	**N/A**	**1524.49057**
Other						

Note: For each metal, if the value in column B is greater than the value in column D (B>D), the BAR_N dictates the maximum biosolids application rate. Enter N/A in column E. If the value in column B is less than value in column D (B<D), then the BAR_M dictates the maximum biosolids application rate and the value of E = B ÷ C.

STEP 6. CALCULATE THE CUMULATIVE LOADING RATE

6A. Maximum allowable cumulative biosolids loading rate
Lowest value in Step 5, Column F (tons/acre) 1524.49

6B. Previous applications of biosolids (tons/acre) 5.54

6C. Remaining biosolids application rate to reach metal limits
Line 6A - Line 6B (tons/acre) 1518.95

6D. Maximun allowable biosolids application rate
Lowest value of Step 4C and Step 5, Column E(tons/acre/year) 7.95

6E. Years remaining to reach the maximum cumulative loading
Line 6C ÷ Line 6D (years) 191

APPENDIX A, PART 2. SEPTAGE APPLICATION RATE

Complete Part 2 and 3 if sewage and septage are both applied at the site.

STEP 1. CROPPING PLAN AND NUTRIENT NEEDS

Warm Season Intended Crop(s Coastal Bermuda grass hay

Yield Goal: 7.2 dry tons / acre Nitrogen Requirement, in lb/yr 360

Cool Season Intended Crop(s): Winter Pasture/fescue hay

Yield Goal: 3.6 dry tons per acre Nitrogen Requirement, in lb/yr 180

Provide the data source for the nitrogen requirements.

Crop nutrient need is based on 50 lb.N/ton of forage, Texas Agricultural Extension Service,Fertilizing Summer Perennial Pastures, Publication L-2210.

Nitrogen needed by crop:

1A. Total Nitrogen Requirement*	540
1B. Nitrogen available in soil**	97.12
1C. Nitrogen amount still needed Line A - Line B	442.88

*Line 1A = Sum of the nitrogen requirement for the specified yield goals for the warm season crop and cool season crop

**Line 1B = 2*NO_3-N (ppm)(in the 0-6" soil depth) + 6*NO_3- N(ppm)(in the 6-24" soil depth)

STEP 2. CALCULATE ANNUAL APPLICATION RATE

The annual application rate is based on the nitrogen needs of the crop. It is calculated using the following equation:

AAR = N ÷ 0.0026

AAR = Annual application rate, in gallons per acre per 365 day period.

N = Nitrogen amount still needed for the crop, in pounds per acre per 365 day period.

2A. Enter amount from Step 1C	442.88
2B. Conversion Factor	0.0026
2C. Annual Application Rate (gal/acre/yr) Line 2A ÷ Line 2B	170338

APPENDIX A, PART 3: PROPORTIONATE AGRONOMIC RATE

Complete if both sewage and septage are applied in the same year.

Biosolids:

A. Biosolids Application Rate (tons/acre/year) 7.95

B. Percentage of plant nutrient supplied by the biosolids
= 85 ÷ 100 0.85

C. Multiple Line A by Line B (tons/acre/year) 6.760862

Domestic Septage:

A. Biosolids Application Rate (tons/acre/year) 0.22

B. Percentage of plant nutrient supplied by the biosolids
= 15 ÷ 100 0.15

C. Multiple Line A by Line B (tons/acre/year) 0.033557

APPENDIX B
PATHOGEN REDUCTION REQUIREMENTS

For each source, select the pathogen reduction alternative that will be used prior to land application of biosolids septage. Requirements for each alternative can be found in 30 TAC §312.82.

TCEQ Permit Number	Pathogen Reduction Alternative Used	Fecal Coliform Geometric Mean (cfu/gram total solids)*	Fecal Test Date*	Is PSRP Certification Attached?** (Yes/No/NA)
WQ0012025002	Option 1: Density of Fecal Coliform	1302571.43	1/16/2025	N/A
WQ0013558001	Option 1: Density of Fecal Coliform	565571.43	3/27/2025	N/A
WQ0014343001	Option 1: Density of Fecal Coliform	463000.00	3/3/2025	N/A
WQ0011486001	Option 1: Density of Fecal Coliform	42485.71	3/12/2024	N/A
WQ0014671001	Option 1: Density of Fecal Coliform	198900.00	2/6/2025	N/A
WQ0011855001	Option 1: Density of Fecal Coliform	15600.00	2/13/2025	N/A
WQ0012144001	Option 1: Density of Fecal Coliform	1442.86	4/17/2024	N/A
WQ0011152001	Option 1: Density of Fecal Coliform	24200.00	1/23/2025	N/A
WQ0012346001	Option 1: Density of Fecal Coliform	57714.29	4/30/2024	N/A
WQ0011231001	Option 1: Density of Fecal Coliform	36800.00	11/27/2024	N/A

APPENDIX B

APPENDIX C
VECTOR ATTRACTION REDUCTION REQUIREMENTS

For each source, provide the vector attraction reduction option that will be used prior to or after land application of biosolids/septage. Requirements for each alternative can be found in 30 TAC §312.83.

TCEQ Permit Number	Vector Attraction Reduction Alternative Used*	Monitoring Criteria and results needed for alternative
WQ0012025002	Option 4: SOUR <=1.5mg 02/hr/g total solids at 20C (<2% solids)	Aerobically digested, 2.0% solids, SOUR=1.5 mg/g
WQ0013558001	Option 4: SOUR <=1.5mg 02/hr/g total solids at 20C (<2% solids)	Aerobically digested, 2.0% solids, SOUR=1.5 mg/g
WQ0014343001	Option 4: SOUR <=1.5mg 02/hr/g total solids at 20C (<2% solids)	Aerobically digested, 2.0% solids, SOUR=1.5 mg/g
WQ0011486001	Option 4: SOUR <=1.5mg 02/hr/g total solids at 20C (<2% solids)	Aerobically digested, 2.0% solids, SOUR=1.5 mg/g
WQ0014671001	Option 4: SOUR <=1.5mg 02/hr/g total solids at 20C (<2% solids)	Aerobically digested, 2.0% solids, SOUR=1.5 mg/g
WQ0011855001	Option 4: SOUR <=1.5mg 02/hr/g total solids at 20C (<2% solids)	Aerobically digested, 2.0% solids, SOUR=1.5 mg/g
WQ0012144001	Option 4: SOUR <=1.5mg 02/hr/g total solids at 20C (<2% solids)	Aerobically digested, 2.0% solids, SOUR=1.5 mg/g
WQ0011152001	Option 4: SOUR <=1.5mg 02/hr/g total solids at 20C (<2% solids)	Aerobically digested, 2.0% solids, SOUR=1.5 mg/g
WQ0012346001	Option 4: SOUR <=1.5mg 02/hr/g total solids at 20C (<2% solids)	Aerobically digested, 2.0% solids, SOUR=1.5 mg/g
WQ0011231001	Option 4: SOUR <=1.5mg 02/hr/g total solids at 20C (<2% solids)	Aerobically digested, 2.0% solids, SOUR=1.5 mg/g
Domestic Septage	Option 12- alkali addition, for 30 minutes	shall remain at 12 or higher for 30 minutes.

APPENDIX D
ON-SITE STORAGE

If on-site storage will occur at the site, this Appendix must be completed in its entirety. On-site storage does not include staging of sludge or septage for up to seven (7) days prior to applying it. On-site storage cannot exceed the 90-day maximum per 30 TAC §312.50 unless properly authorized for each instance. Construction of the storage area cannot begin until written authorization for this action is received from the TCEQ. Materials cannot be treated without proper authorization from the TCEQ.

A. Provide a complete description of operational plans for the temporary storage, including all steps to be taken to control odors, vectors and other nuisance conditions.
N/A

B. The location of the temporary storage area(s) must be accurately shown on the USGS topographic map submitted with the application, including all main features of the storage area(s) (e.g. berms, tanks, pads, liners, storm water retention, etc.).

C. Provide a copy of the liner and storage tank certification as per 30 TAC §312.50(a)(4) or 312.50(a)(8).

Attachment Number: N/A

D. Describe the proposed spill prevention and cleanup methods.
N/A

E. Provide a certification that the berm(s) will hold the required volume(s) without discharging as per 30 TAC §312.50 (a)(7).

Attachment Number: N/A

F. Describe the method for stormwater runoff collection and disposal.
N/A

G. Describe methods to be used to ensure no loads of sludge remain at the temporary storage site for longer than 90 days, including how exceptions to this restriction will be requested (as provided by 30 TAC §312.50), when needed.
N/A

INSTRUCTIONS FOR PERMIT FOR BENEFICIAL LAND USE OF SEWAGE SLUDGE

GENERAL INFORMATION

Purpose of the Application

This form is to be used to:

- Permit a new site for beneficial land use of sewage sludge;
- Submit a Major Amendment to change acreage or to make any other substantive change to a permitted site for beneficial land use of sewage sludge; or
- Renew an existing permitted site for beneficial land use of sewage sludge.

NOTE: If the land application site is within or adjacent to a publicly-owned wastewater treatment plant (WWTP) and the site is owned or operated by the WWTP, the WWTP's existing wastewater discharge permit may be amended to authorize land application of sewage sludge. To amend the wastewater discharge permit, complete and submit this application form and the Domestic Wastewater Permit Application (TCEQ Form 10054).

Who Should Apply?

This application must be submitted by the site operator. If there is more than one operator, then a co-applicant is required.

When Is The Application Submitted?

For new and amendment applications, the completed application must be submitted at least 180 days before the proposed date of land application. For renewal applications, the completed application must be submitted at least 180 days before the expiration date of the current registration.

Where to Send the Application Form

One original and three copies of the application, including attachments, must be provided to the address below:

Regular U.S. Mail:
TCEQ
ARP Team, MC 148
PO Box 13087
Austin TX 78711-3087

Express Mail or Hand Delivery:
TCEQ
ARP Team, MC 148
Building F Room 2101

12100 Park 35 Circle
Austin TX 78753

TCEQ Contact List

Permit Information and Application Forms: 512-239-4671
Technical Information, Sludge Permits Team: 512-239-4671
Environmental Law Division: 512-239-0600

Copies of records on file with the TCEQ may be obtained for a minimal fee from the Records Management Office at 512-239-2900.

INSTRUCTIONS FOR FILLING OUT THE APPLICATION FORM

Section 1. Type of Application

Select the appropriate type of application.

For amendment applications, describe the proposed changes.

For existing permits, provide the TCEQ permit number.

Section 2. Application Fee

The permit application fee varies from $1,000 to $5,000, based on the quantity of sewage sludge to be applied annually under the permit.

Quantity of Sludge Applied Annually	Application Fee
2,000 dry tons or less	$1,000
2,001 to 5,000 dry tons	$2,000
5,001 to 10,000 dry tons	$3,000
10,001 to 20,000 dry tons	$4,000
20,001 dry tons or more	$5,000

Application fees must be paid by check or money order made payable to the Texas Commission on Environmental Quality. Fees are to be sent under separate cover making reference to the type of application, name of applicant, and permit number of existing permit, and mailed to:

TCEQ
Revenues Section (MC 214)
P.O. Box 13088
Austin, Texas 78711-3088

To verify receipt of payment or any other questions you may have regarding payment of fees to the TCEQ, you may call the Revenues Section, Cashiers Office at (512) 239-0357.

Section 3. Applicant Information

Provide the full legal name of the site operator.

If the site operator is an existing TCEQ customer, provide the customer number (CN) for the site operator. The Customer Number is available at the following website: http://www15.tceq.texas.gov/crpub/. If the site operator is not an existing TCEQ customer, leave blank.

Provide the following contact information for the site operator: mailing address, phone number, fax number, and email address.

Section 4. Co-Applicant Information

If there is more than one operator, then a co-applicant is required. Provide the full legal name of the co-applicant.

If the co-applicant is an existing TCEQ customer, provide the customer number (CN) for the co-applicant. The Customer Number is available at the following website: http://www15.tceq.texas.gov/crpub/. If the co-applicant is not an existing TCEQ customer, leave blank.

Provide the following contact information for the co-applicant: mailing address, phone number, fax number, and email address.

Explain the need for a co-applicant.

Section 5. Application Contact Information

Provide the name and contact information for the person that TCEQ will contact if additional information is needed about this application. Provide one contact for the operator and one contact for the landowner.

Section 6. Permit Contact Information

Provide the name and contact information for two individuals that TCEQ can contact if additional information is needed during the term of the permit.

Section 7. Billing Contact Information

Provide the name and contact information for the person that TCEQ can contact regarding the annual fee invoices.

Section 8. Reporting Contact Information

Provide the name and contact information for the person that TCEQ can contact regarding the annual sludge reports.

Section 9. Notice Information

A. Individual publishing the notices

Provide the name, company name, mailing address, telephone number and fax number of the person that will publish the public notices required during the processing of the application. Only one name can be provided. This individual will be contacted to publish the required public notices in a newspaper of the largest general circulation in the county where the facility is/will be located. This person must be available during the application processing since the first public notice. The "Notice of Receipt of Application and Intent to Obtain a Water Quality Permit" must be published within 30 days of the application being declared Administratively Complete.

B. Method of Receiving Notice Package

Provide the method of receiving the required public notice information. When the application is declared Administratively Complete, the notice package will be sent via the method selected. The notice package includes the TCEQ declaration of completeness, a notice ready for publication, instructions for publishing the notice, a publication affidavit, and a public notice verification form.

C. Contact Person in the Notice

Provide the person's name, company name, mailing address, telephone number and fax number of the one individual that will be identified as the notice contact in the two public notices that are published as part of the permitting process. This individual may be contacted by the public to answer questions about all aspects of the permit application.

D. Public Viewing Location

Provide the name and physical address for the public place where the complete application, draft permit, and Technical Summary/Fact Sheet will be made available for viewing and copying by the general public. Please verify with the proper authority they will make the application available for public viewing and copying. The address must be a physical address. Post office box addresses are not acceptable. The public place must be located within the county in which the facility is/will be located. If the facility is located in more than one county, a public viewing place for each county must be provided.

E. Bilingual Notice Requirement

Bilingual notice may be required for new, major amendment, and renewal applications if an elementary school or middle school nearest to the facility is required to make a bilingual education program available to qualifying students.

The applicant is required to call the bilingual/ESL coordinator at the nearest elementary and middle schools to obtain answers to questions 1. – 4. These questions will determine if an alternative language notice is required.

If it is determined that a bilingual notice is required, the applicant is responsible for ensuring that the publication in the alternate language is complete and accurate in that language.

Section 10. Regulated Entity (Site) Information

A. Provide the name of the site as known by the public in the area where the site is located.

B. If the site is currently regulated by TCEQ, provide the regulated entity reference number (RN) for the site. The RN is available at the following website: http://www15.tceq.texas.gov/crpub/. If the site is not currently regulated by TCEQ, leave blank.

C. If the location in the existing permit is not correct or if this is a new site, provide the physical address of the site. If a physical address is not available, provide a location description.

D. Provide the county in which the site is located.

E. Provide the latitude and longitude for the site.

F. Provide the name and contact information for the landowner of the application site.

G. Provide the name and contact information for the county judge in each county where the site is located. Attach an additional sheet if the site is located in more than one county.

Section 11. Land Application Information

If the land application site is within or adjacent to a publicly-owned wastewater treatment plant (WWTP) and the site is owned or operated by the WWTP, the WWTP's existing wastewater discharge permit may be amended to authorize land application of sewage sludge. To amend the wastewater discharge permit, complete and submit this application form and the Domestic Wastewater Permit Application (TCEQ Form 10054).

A. Provide the anticipated date that you plan to start sludge applications on this site. This date must be at least 330 days from the date TCEQ receives this application form.

B. Indicate by a checkmark if the beneficial land use area is within the city limits, within the extraterritorial jurisdiction, or outside the extraterritorial jurisdiction of a city. Provide the city or municipality name in the space provided.

C. Identify the types of sludge that will be land applied at this site.

D. For each source, provide the facility name, TCEQ authorization number, and the location. Add additional rows to the table, if necessary.

E. Provide the total acreage of the property where the application site is located. Include the application area and the buffer zones.

F. Provide the total acreage where sludge may be applied. Do not include buffer zones.

NOTE: A minimum buffer of 500 feet is required for water wells and surface water when land application of Class B Sewage Sludge occurs in a county that borders the Gulf of Mexico (Aransas, Brazoria, Calhoun, Cameron, Chambers, Galveston, Jefferson, Kenedy, Kleberg, Matagorda, Nueces, San Patricio, and Willacy Counties).

Section 12. Miscellaneous Information

A. Provide the name of each person that was previously employed by TCEQ and who was paid for services regarding this application.

B. Identify if the application site is located on Indian lands. If the answer is yes, TCEQ does not have jurisdiction to process this application. Do not send this application to TCEQ. Contact the Sludge Permits Team at 512-239-4671.

C. Identify if any permanent school fund land is affected by this application. If yes, provide the location and potential impacts on the school fund land.

D. Indicate if the site operator or co-applicant(s) owe fees or penalties to TCEQ. If yes, provide the amount owed, the type of fee or penalty, and the account number for fees or the TCEQ Docket number for penalties.

The following TCEQ website will help you determine if you owe any fees or penalties to the TCEQ and how to make a payment: https://www.tceq.texas.gov/agency/fees/delin/index.html. For questions about delinquent fees and penalties, contact the Financial Administration Division, Revenue Section, at 512-239-0354.

NOTE: TCEQ will not declare any application administratively complete or issue a permit if the applicant or co-applicant is delinquent on a fee or penalty.

Section 13. Affected Landowner Information

A. Attach a landowner map or drawing that includes a scale, the applicant's property boundaries, the application area boundaries, the approximate property boundaries of all landowners located within 1/4 mile of the property boundaries. Assign a letter or number to each landowner.

B. Attach a list of landowners that live on land within 1/4 mile of the property boundaries. The list must include the landowner's name and address, and include a cross-reference to the letter or number identified on the landowner map. The applicant may choose to attach a list of all landowners within 1/4 mile of the property boundary, regardless of whether the landowner lives on the land.

C. Identify the format of the landowners list.

D. Provide the source of the landowner's names and mailing addresses. Sources may include City or County Tax Records.

Section 14. Insurance Information

This information is <u>not</u> required for an applicant that is a political subdivision (e.g., city, county, state agency, water district, etc.).
Note: The insurance policies required by this section must be maintained for the duration of the permit which is normally issued for a term of five years.

A. Commercial Liability Insurance

Attach a copy of the certificate of insurance in regard to commercial liability, reflecting total coverage of not less than $3 million per occurrence with an annual

aggregate of not less than $3 million, exclusive of legal defense costs. The certificate must be worded identically to the wording specified in 30 TAC §37.9145 (relating to Certificate of Insurance for Commercial Liability) or an endorsement worded identically to the wording specified in 30 TAC §37.9150 (relating to Endorsement for Commercial Liability). The certificate of insurance must be issued by an insurance company authorized to transact business in the State of Texas and that has a rating of A- or better by A.M. Best Company.

B. Environmental Impairment Insurance

Attach a copy of the certificate of insurance in regard to environmental impairment, reflecting total coverage of not less than $3 million per occurrence with a policy limit of not less than $3 million, exclusive of legal defense costs. The certificate must be worded identically to the wording specified in 30 TAC §37.9155 (relating to Certificate of Insurance for Environmental Impairment). The certificate of insurance must be issued by an insurance company authorized to transact business in the State of Texas and that has a rating of A- or better by A.M. Best Company.

Section 15. Maps and Attachments

A. Complete and submit the TCEQ Core Data Form (TCEQ-10400).

B. Submit an original General Highway (County) Map showing all boundaries of the site area and all areas within 1000 feet of the area boundaries. These can be ordered from the Texas Department of Transportation Map Sales from the following web site: http://www.txdot.gov/travel/county_grid_search.htm

C. Submit a full-sized USGS topographic map (1:24,000 scale). These are available by contacting the Texas Natural Resource Information System at 512-463-8337. The map must show:

- the boundaries of the property(s) being permitted;
- the boundaries of the application area within the property boundaries;
- all areas within ¼ mile of the site (if the site is on the border of the USGS map, the adjoining map is also required); and
- the location of all wells, springs, public water supply intakes, water treatment plants, potable water storage facilities, and wastewater treatment plants on-site and within ¼ mile of the application area (including off-site).

D. Submit a legible copy of a USDA Natural Resources Conservation Service (NRCS) Soil Map that shows the approximate application area boundaries, the soil legend, necessary interpretative information, and the location of each grab sample of the composite soil sample(s) taken for analyses. If the specific county is not mapped, have a soil scientist identify the soils.

E. Submit a copy of the Federal Emergency Management Agency (FEMA) Map that shows the approximate application area boundaries, the surrounding area within ¼ mile of the property boundaries, and the appropriate legend.

F. Submit a copy of the nutrient management plan that has been prepared by a certified nutrient management specialist, in accordance with the practice standards of the USDA-NRCS.

G. Submit a copy of the TCEQ transporters registration approval documents.

H. Attach the soil laboratory analysis for the application area. Additional information about collecting and analyzing the soil samples is available at the end of these instructions.

I. Attach a sludge laboratory analysis for each source. Additional information about sludge testing is available at the end of these instructions.

J. Metal and Nutrient Concentrations (Table 1). Use the sludge laboratory analyses to complete Table 1 for each source.

K. Volume Weighted Averages of Metal and Nutrient Concentrations (Table 2). If more than one source of sludge is land applied, complete Table 2.

L. Agronomic Rate Calculations (Appendix A). Determine the agronomic application rate by completing and attaching Appendix A.

M. Pathogen Reduction Requirements (Appendix B). Identify the pathogen reduction alternative for each source by completing and attaching Appendix B.

N. Vector Attraction Reduction Requirements (Appendix C). Identify the vector attraction reduction alternative for each source by completing and attaching Appendix C.

O. On-Site Storage (Appendix D). If on-site storage will occur at the site, complete and attach Appendix D.

Signature Page

A separate signature page must be provided for the site operator, each co-applicant, and the landowner of the application site (if the landowner is different from the site operator and co-applicant). The signature page must bear an original signature and the seal of a notary public. The date signed by the applicant must be the same as the date notarized. The signature page will not be acceptable if the dates are different.

In accordance with 30 Texas Administrative Code §305.44 relating to Signatories to Applications, all applications shall be signed as follows:

For a corporation, the application shall be signed by a responsible corporate officer. For purposes of this paragraph, a responsible corporate officer means a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. Corporate procedures governing authority to sign permit or post-closure order applications may provide for assignment or delegation to applicable corporate positions rather than to specific individuals.

For a partnership or sole proprietorship, the application shall be signed by a general partner or the proprietor, respectively.

For a municipality, state, federal, or other public agency, the application shall be signed by either a principal executive officer or a ranking elected official. For purposes of this paragraph, a principal executive officer of a federal agency includes the chief executive officer of the agency, or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., regional administrator of the EPA).

SOIL TESTING INFORMATION

Soil samples shall be taken prior to any application of commercial fertilizer. Do not use a galvanized container as this could give a false reading on zinc. Samples will need to be taken within the same 45 day time-frame each year, or by an approved sampling plan and analyzed within 30 days of sample collection. The initial soil sample for application approval may be taken whenever necessary.

Obtain one composite sample for each soil depth per 80 acres and per uniform soil type (soils with the same characteristics and texture) within the 80 acres, or per approved soil sampling plan. Composite samples shall be comprised of 10 - 15 random sample cores taken from each of the following soil depth zones: 0-6 inches and 6-24 inches.

Soil samples shall be submitted to a soil testing laboratory along with a previous crop history of the site, intended crop growth and yield goal. Soil reports shall include fertilizer recommendations for the crop yield goal. Samples shall be analyzed for the parameters below:

Parameter (7)		**0- 6 "**	**6 -24"**
Nitrate Nitrogen (NO_3-N, mg/kg)	(1)	x	x
Ammonium Nitrogen (NH_4-N, mg/kg)	(1)	x	x
Total Kjeldahl Nitrogen (TKN, mg/kg)	(2)	x	x
Phosphorus (plant available, mg/kg)	(3)	x	x
Potassium (plant available, mg/kg)	(3)	x	x
Sodium (plant available, mg/kg)	(3)	x	x
Magnesium (plant available, mg/kg)	(3)	x	x
Calcium (plant available, mg/kg)	(3)	x	x
Electrical Conductivity	(4)	x	x
Soil Water pH (S.U.)	(5)	x	x
Total Arsenic (mg/kg)	(6)	x	N/A
Total Cadmium (mg/kg)	(6)	x	N/A
Total Chromium (mg/kg)	(6)	x	N/A
Total Copper (mg/kg)	(6)	x	N/A
Total Lead (mg/kg)	(6)	x	N/A
Total Mercury (mg/kg)	(6)	x	N/A
Total Molybdenum (mg/kg)	(6)	x	N/A
Total Nickel (mg/kg)	(6)	x	N/A
Total Selenium (mg/kg)	(6)	x	N/A
Total Zinc (mg/kg)	(6)	x	N/A

1. Determined in a 1 N KCl soil extract (http://soiltesting.tamu.edu/webpages/swftlmethods1209.html).
2. Determined by Kjeldahl digestion or an equivalent accepted procedure. Methods that rely on Mercury as a catalyst are not acceptable.
3. Mehlich III extraction (yields plant-available concentrations) with inductively coupled plasma.
4. Electrical Conductivity (EC) - determine from extract of 2:1 (volume/volume) water/soil mixture and expressed in dS/m (same as mmho/cm).
5. Soil pH must be analyzed by the electrometric method in Test Methods for Evaluating Solid Waste, EPA SW-846, 40 CFR 260.11; method 9045C - determine from extract of 2:1 (volume/volume) water/soil mixture.
6. Analysis for metals in soil must be performed according to methods outlined in Test Methods for Evaluating Solid Waste, EPA SW-846; method 3050.
7. All parameters must be analyzed on a dry weight basis, except Soil Water pH and Electrical Conductivity.

Please be advised that the maximum acceptable soil concentrations of metals are listed below. These rates are based on the maximum cumulative loading rates found in 30 TAC §312.43 Table 2- Cumulative Metal Loading Rate.

Metal	Soil Concentration Limit (mg/kg)
Total Arsenic	20.5
Total Cadmium	19.5
Total Chromium	1500
Total Copper	750
Total Lead	150
Total Mercury	8.5
Total Molybdenum	Monitor
Total Nickel	210
Total Selenium	50
Total Zinc	1,400

SLUDGE TESTING INFORMATION

Testing Parameters (dry weight basis) for
Municipal Wastewater Sludge and Water Treatment Plant Sludge

Nutrients (%)	Metals (mg/kg)	Other
Total Kjeldahl Nitrogen Ammonium-Nitrogen Nitrate-Nitrogen Total Phosphorus Total Potassium	Total Arsenic Total Cadmium Total Chromium Total Copper Total Lead Total Mercury Total Molybdenum Total Nickel Total Selenium Total Zinc	Total PCBs

1. If accepting sludge from multiple sources,
   a) perform a new sludge analysis on the mixed sludge if blended before land application, or
   b) use Table 2 of the application form to determine the volume weighted average (mass balance) which will accurately reflect the amount of metals contributed by each facility.
2. The metal and nutrient tests shall be used to calculate the Maximum Sludge Application Rate and Site Life in Appendix A of the application form. These tests and calculations will also be required in an annual report for the permitted site.
3. Copies of all laboratory test data with Quality Control (QA/QC) and Chain of Custody sheets must be kept on file at the site operator's place of business for at least five (5) years and can be requested by TCEQ at any time.
4. Include the most recent full Toxicity Characteristic Leaching Procedure (TCLP) analysis for each wastewater treatment plant source.

Maximum Metal Loadings & Concentrations

If background soil concentrations exceed the values listed below, then land application is only possible if sludge concentrations are below the concentrations found in Table 3 of 30 TAC §312.43(b)(3).

If the concentration of any metal in the sewage sludge exceeds the metal ceiling concentration, then the land application of that sludge is prohibited.

Pollutant	Sludge Cumulative Loading (lbs/acre)	Table 3 §312.43(b)(3) (mg/kg)	Sludge Metal Ceiling Concentration (mg/kg)
Arsenic	36	41	75
Cadmium	35	39	85
Chromium	2,677	1,200	3,000

Pollutant	Sludge Cumulative Loading (lbs/acre)	Table 3 §312.43(b)(3) (mg/kg)	Sludge Metal Ceiling Concentration (mg/kg)
Copper	1,339	1,500	4,300
Lead	268	300	840
Mercury	15	17	57
Molybdenum	Monitor	Monitor	75
Nickel	375	420	420
Selenium	89	36	100
Zinc	2,500	2,800	7,500

K-3 Resources LP CN603843426 operates WQ0004518000 Class B Municipal Biosolids and Water Treatment Residuals on approximately 277.3 acres located.56 miles South of Intersection FM 362 and FM529 on the East side of FM362, in Brookshire, Texas Waller County, Texas 77423 102984986).

To clarify, the purpose of this is for K-3 Resources LP CN603843426 to renew Permit No. WQ0004518000 associated with RN102984986.

K-3 Resources LP CN603843426 land applies Class B Municipal Biosolids and Water Treatment Residuals for beneficial use at a maximum rate of 12 dry tons per acre per year on 277.3 acres of land. This land application unit will not discharge of pollutants into water in the state. The following pollutants are expected in biosolids land application: Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium and Zinc Examples of best management practices implemented by K-3 Resources LP include but are not limited to: monitoring of metal pollutants, pathogen reduction, vector attraction reduction, applicable land application unit buffer zones, soil monitoring and limiting application at the appropriate agronomic rate based on crop needs.

9458 FM 362 Brookshire TX 77423
Compliance@k3bmi.com
Office (281) 375-5778
Fax (281) 585-4262

K-3 Resources LP CN603843426 opera WQ0004518000 Clase B Biosólidos Municipales y Residuos de Tratamiento de Agua en aproximadamente 277.3 acres situados a 0.56 millas al sur de la intersección de FM 362 y FM 529, en el lado este de FM 362, en Brookshire, Texas, Condado de Waller, Texas 77423 102984986).

Para aclarar, el propósito de esto es que K-3 Resources LP CN603843426 renueve el Permiso No. WQ0004518000 asociado con RN102984986.

El terreno de K-3 Resources LP CN603843426 aplica Biosólidos Municipales y Residuos de Tratamiento de Agua Clase B para uso beneficioso a una tasa máxima de 12 toneladas secas por acre por año en 277.3 acres de terreno. Esta unidad de aplicación terrestre no descargará contaminantes en el agua del estado. Se esperan los siguientes contaminantes en la aplicación de biosólidos al suelo: Arsénico, Cadmio, Cromo, Cobre, Plomo, Mercurio, Molibdeno, Níquel, Selenio y Zinc, los ejemplos de las mejores prácticas de gestión implementadas por K-3 Resources LP incluyen, entre otros: monitoreo de contaminantes metálicos, reducción de patógenos, reducción de la atracción de vectores, zonas de amortiguamiento de la unidad de aplicación terrestre aplicable, monitoreo del suelo y aplicación limitada a la tasa agronómica adecuada basada en necesidades del cultivo.

9458 FM 362 Brookshire TX 77423
Compliance@k3bmi.com
Office (281) 375-5778
Fax (281) 585-4262

Landowner List

1. Victoria Layne Properties Enterprises 9541 FM 362 Brookshire, Tx 77423	2. Drennan Andrew R & Virginia B 9183 FM 362 Brookshire, TX 77423
3. Multiple owners** see below	4. Legacy Precast P.O. Box 400 Brookshire, Tx 77423
3. Multiple owners	
Rahlek LTD PO Box 2110 Galveston, TX 77553	Watt Virginia Meyers Seale 5755 Indian Cir Houston, TX 77057
Mahana Tersea Moore Trust 3903 Bellaire Blvd Houston, TX 77025	Moore Andrea Revocable Trust 1237 Legacy Dr. New Braunfels, TX 78130
Campbell John 2200 Market Suite 804 Galveston, TX 77550	Campbell Eugenia 4520 Caduceus Pl Galveston, TX 77551
Campbell Douglas 3627 Glen Haven Houston, TX 77025	Campbell Archibald R III PO BOX 986 Persall, TX 78061
11. Coastal Prairie Conservation 5615 Kirby Dr Suite 867 Houston, TX 77005	