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, el Aviso de Recepción de Solicitud e Intención de Obtener un Permiso)
   - Inglés
   - Idioma alternativo (español)
3. Solicitud original

Plain Language Summary
South Austin Regional Wastewater Treatment Plant
1017 Fallwell Lane, Del Valle, Texas 78617

CN600135198 RN101607794 TX0071889 WQ0010543012

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

The City of Austin (CN600135198) operates the City of Austin South Austin Regional Wastewater Treatment Plant (RN101607794), a conventional activated sludge wastewater treatment plant. The facility is located at 1017 Fallwell Lane, in the City of Del Valle, Travis County, Texas 78617. The facility discharges directly to the Colorado River below Lady Bird Lake/Town Lake in segment No. 1428 of the Colorado River Basin.

This application is for a renewal to discharge at a daily average flow not to exceed 75 million gallons per day of treated domestic wastewater via Outfall 001.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N), Escherichia coli, and total phosphorus. Domestic wastewater is treated by conventional activated sludge wastewater treatment plant. Plant processes for each train include mechanical bar screens, grit removal, primary clarifiers, flow equalization, complete mix activated sludge aeration basins, secondary clarifiers, chlorine contact basins, filters, and declorination. Waste sludge is thickened and pumped to the City of Austin's Biosolids Management Plant (WQ0003823000) for treatment and beneficial reuse.

Resumen en lenguaje sencillo
Planta de Tratamiento de Aguas Residuales Regional del Sur de Austin
1017 Fallwell Lane, Del Valle, Texas 78617

CN600135198 RN101607794 TX0071889 WQ0010543012

Se provee esta solicitud de permiso de calidad del agua que la Comisión de Calidad Ambiental de Texas está revisando según lo requerido por el Capítulo 39 del Código Administrativo de Texas. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no son declaraciones federales ejecutables de la solicitud de permiso.

La Ciudad de Austin (CN600135198) opera la Planta de Tratamiento de Aguas Residuales Regional del Sur de Austin (RN101607794), una planta de tratamiento de aguas residuales convencional con lodos activados. La planta está ubicada en 1017 Fallwell Lane, en la Ciudad de Del Valle, Condado de Travis, Texas 78617. La planta descarga directamente al Río Colorado por debajo del Lago Lady Bird/Lago Town en el segmento número 1428 de la cuenca del Río Colorado.

Esta solicitud es para una renovación para descargar con un caudal promedio diario que no supere 75 millones de galones por día de agua residual doméstica tratada a través del Desagüe 001.

Se espera que las descargas de la planta tengan demanda bioquímica de oxígeno carbonácea a cinco días (DBOC 5), sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N), Escherichia coli y fósforo total. El agua residual doméstica se trata en una planta de tratamiento de aguas residuales convencionales con lodos activados. Los procesos de la planta para cada tren incluyen cribas de barras mecánicas, eliminación de arena, clarificadores primarios, ecualización de flujo, cuencas de aireación de lodos activados de mezcla completa, clarificadores secundarios, cuencas de contacto con cloro, filtros y decloración. Los lodos residuales se espesan y se bombean a la Planta de Manejo de Biosólidos de la Ciudad de Austin (WQ0003823000) para su tratamiento y reutilización beneficiosa.

Tóm Tắt Bằng Ngôn Ngữ Đơn Giản
Nhà Máy Xử Lý Nước Thải Khu vực Nam Austin
1017 Fallwell Lane, Del Valle, Texas 78617

CN600135198 RN101607794 TX0071889 WQ0010543012

Bản tóm tắt sau đây được cung cấp cho đơn xin giấy phép chất lượng nước đang chờ xử lý này đang được Ủy ban Chất lượng Môi trường Texas xem xét theo yêu cầu của 30 Bộ luật Hành chánh Texas Chương 39. Thông tin cung cấp trong bản tóm tắt này có thể thay đổi trong quá trình duyệt xét chuyên môn đối với đơn đăng ký và không phải là thông tin đại diện có hiệu lực thi hành của liên bang đối với đơn xin giấy phép.

Thành phố Austin (CN600135198) vận hành Nhà Máy Xử Lý Nước Thải Khu vực Nam Austin của Thành Phố Austin (RN101607794), một nhà máy xử lý nước thải bằng bùn hoạt tính thông thường. Cơ sở xử lý được đặt tại 1017 Fallwell Lane, trong Thành Phố Del Valle, Quận Travis, Texas 78617. Cơ sở này xả thải trực tiếp vào Sông Colorado bên dưới Hồ Lady Bird/ TownLake ở đoạn số 1428 của Lưu vực Sông Colorado.

Đơn xin này nhằm mục đích gia hạn hoạt động xả nước thải sinh hoạt đã qua xử lý với lưu lượng trung bình hàng ngày không vượt quá 75 triệu gallon mỗi ngày thông qua Cửa xả 001.

Chất thải từ cơ sở này dự kiến sẽ bao gồm nhu cầu oxy sinh hóa cacbon (CBOD5) trong 5 ngày, tổng chất rắn lơ lửng (TSS), nitơ amoniac (NH3-N), Escherichia coli, và tổng phốt pho. Nước thải sinh hoạt được xử lý bằng hệ thống xử lý nước thải bùn hoạt tính thông thường. Quy trình xử lý cho mỗi hệ thống bao gồm sàng chắn cơ học, loại bỏ cát, bể lắng sơ cấp, cân bằng lưu lượng, bể sục khí bùn hoạt tính trộn hoàn toàn, bể lắng thứ cấp, bể tiếp xúc clo, bộ lọc và khử clo. Bùn thải được làm đặc và bơm đến Nhà máy Xử lý Bùn Sinh học của Thành phố Austin (WQ0003823000) để xử lý và tái sử dụng có lợi.

简明摘要
South Austin地区废水处理厂
1017 Fallwell Lane, Del Valle, Texas 78617

CN600135198 RN101607794 TX0071889 WQ0010543012

根据《Texas州行政法规》第30篇第39章的规定，Texas州环境质量委员会正在审查水质许可证申请，现提供该待处理申请的以下摘要。本摘要中提供的信息可能会在该申请的技术审查过程中发生变化，这些信息并不属于联邦对许可证申请的强制性陈述。

Austin市（CN600135198）运营着Austin市South Austin地区废水处理厂（RN101607794），这是一座传统的活性污泥废水处理厂。该设施位于1017 Fallwell Lane, in the City of Del Valle, Travis County, Texas 78617。该设施直接排放到位于Colorado River流域第1428号段的Colorado River，该河段位于Lady Bird Lake/Town Lake的下游。

本申请旨在更新其排放许可，以获准每天通过001号排放口排放经处理的生活废水，日均流量不超过7500万加仑。

该设施排出的废水预计含有五日碳质生化需氧量（CBOD5）、总悬浮固体（TSS）、氨氮（NH3-N）、大肠杆菌和总磷。生活废水由传统的活性污泥废水处理厂进行处理。每条处理线的具体工艺包括机械棒筛、除砂、初级澄清池、均流、完全混合式活性污泥曝气池、二级澄清池、氯接触池、过滤器和脱氯。废弃污泥经浓缩后被泵送至Austin市的生物固体管理厂（WQ0003823000）进行处理和有益再利用。

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0010543012

APPLICATION. City of Austin, 625 East 10th Street, Suite 800, Austin, Texas 78701, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010543012 (EPA I.D. No. TX0071889) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 75,000,000 gallons per day. The domestic wastewater treatment facility is located at 1017 Fallwell Lane, near the city of Del Valle, in Travis County, Texas 78617. The discharge route is from the plant site to directly to the Colorado River Below Lady Bird Lake/Town Lake. TCEQ received this application on June 18, 2024. The permit application will be available for viewing and copying at Waller Creek Center, 625 East 10th Street, Suite 315, Austin, in Travis County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.603888,30.207777&level=18

ALTERNATIVE LANGUAGE NOTICE. Alternative language notices in Spanish, Simplified Chinese, and Vietnamese are available at:
https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.
El aviso de idioma alternativo en español está disponible en
https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.
jiǎntǐzhōngwén de tìdài yǔyán tōngzhī kězài yǐxià wǎngzhǐ huòdé
https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.
Thông báo bằng ngôn ngữ thay thế bằng tiếng Việt, có tại:
https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.

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

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

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

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

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

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

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

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

If you wish to be placed on the permanent and/or the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

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

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

Further information may also be obtained from City of Austin at the address stated above or by calling Ms. Tammy West, Wastewater Regulatory Manager, at 512-972-0143.

Issuance Date: July 17, 2024

COMISIÓN DE CALIDAD AMBIENTAL DE TEXAS

AVISO DE RECEPCIÓN DE SOLICITUD E
INTENCIÓN DE OBTENER LA
RENOVACIÓN DE LA SOLICITUD DEL PERMISO DE CALIDAD DEL AGUA PARA

EL PERMISO NRO. WQ0010543012

SOLICITUD. La Ciudad de Austin, 625 East 10th Street, Suite 800, Austin, Texas 78701, solicitó a la Comisión de Calidad Ambiental de Texas (Texas Commission on Environmental Quality, TCEQ) que renueve el permiso del sistema de eliminación de vertidos contaminantes de Texas (Texas Pollutant Discharge Elimination System, TPDES) Nro. WQ0010543012 (ID de la EPA [Agencia de Protección Ambiental] Nro. TX0071889) para autorizar la descarga de agua residual tratada a un volumen que no supere un caudal promedio diario de 75,000,000 galones por día. La instalación de tratamiento de agua residual doméstica está ubicada en 1017 Fallwell Lane, en la Ciudad de Del Valle, Condado de Travis, Texas 78617. La ruta de descarga va desde el predio de la planta directamente al río Colorado por debajo del lago Lady Bird/lago Town. La TCEQ recibió esta solicitud el 18 de junio de 2024. La solicitud del permiso estará disponible para su visualización y copiado en Waller Creek Center, 625 East 10th Street, Suite 315, Austin, en el Condado de Travis, Texas antes de la fecha en que este aviso se publique en el periódico. La solicitud, incluyendo cualquier actualización, y los avisos asociados están disponibles electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico del predio o de la ubicación general de la instalación se proporciona como cortesía pública y no forma parte de la solicitud ni del aviso. Para conocer la ubicación exacta, remítase a la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.603888,30.207777&level=18

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

备选语言版本的通知。 我们还提供越南语版本的通知，前往以下链接即可查看：
https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications。

THÔNG BÁO BẰNG NGÔN NGỮ KHÁC. Thông báo bằng tiếng Hoa Giản Thể có sẵn tại : https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.

AVISO ADICIONAL. El Director Ejecutivo de la TCEQ determinó que la solicitud está completa en materia administrativa y efectuará su revisión técnica. Una vez finalizada la revisión técnica de la solicitud, el Director Ejecutivo puede preparar un borrador del permiso y expedirá una decisión preliminar sobre la solicitud. **El aviso de la solicitud y la decisión preliminar se publicará y se enviará por correo a quienes estén en la lista de correo de todo el condado y a quienes estén en la lista de correo de esta solicitud. Ese aviso indicará el plazo para presentar comentarios públicos.**

COMENTARIO PÚBLICO / REUNIÓN PÚBLICA. Puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es proporcionar la oportunidad de presentar comentarios o hacer preguntas sobre la solicitud. La TCEQ llevará a cabo una reunión pública si el Director Ejecutivo determina que existe un nivel significativo de interés público en la solicitud o si un legislador local lo requiere. Una reunión pública no es una audiencia de caso impugnado.

OPORTUNIDAD PARA UNA AUDIENCIA DE CASO IMPUGNADO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios oportunos y preparará una respuesta a todos los comentarios públicos esenciales y pertinentes, o significativos. **A menos que la solicitud se refiera directamente a una audiencia de caso impugnado, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud se enviarán a toda persona que haya presentado comentarios públicos y a aquellas personas que estén en la lista de correo de esta solicitud. Si se reciben comentarios, la correspondencia también proporcionará instrucciones para pedir la reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia de caso impugnado.** Una audiencia de caso impugnado es un procedimiento legal similar a un juicio civil en un tribunal de distrito del estado.

PARA PEDIR UNA AUDIENCIA DE CASO IMPUGNADO, DEBE INCLUIR LOS SIGUIENTES PUNTOS EN SU PEDIDO: 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 la instalación lo perjudicaría de una manera que no sea común al público general; una lista de todas las cuestiones de hechos en disputa que presente durante el periodo de comentarios y la declaración: "[Solicito/solicitamos] una audiencia de caso impugnado". Si el pedido de audiencia de caso impugnado se presenta en nombre de un grupo o una asociación, el pedido debe designar al representante del grupo para que reciba la futura correspondencia; identificar con nombre y dirección física a un miembro del grupo que se vería perjudicado por la instalación o actividad propuesta; proporcionar la información mencionada anteriormente sobre la ubicación del miembro afectado y su distancia de la instalación o actividad; explicar por qué y cómo el miembro se vería afectado y explicar cómo los intereses que el grupo procura proteger son pertinentes al propósito del grupo.

Tras el cierre de todo periodo correspondiente de comentarios o pedidos, el Director Ejecutivo enviará la solicitud y cualquier pedido de reconsideración o de audiencia de caso impugnado a los comisionados de la TCEQ para que los analicen en una asamblea programada de la Comisión.

La Comisión solo puede conceder un pedido de audiencia de caso impugnado sobre cuestiones que el solicitante haya presentado en sus comentarios oportunos y que no hayan sido retirados posteriormente. **En caso de concederse una audiencia, el tema de la audiencia se limitará a las cuestiones de hechos en disputa o preguntas mixtas de hechos y de derecho esenciales y pertinentes a las preocupaciones sobre calidad del agua presentadas durante el periodo de comentarios.**

La TCEQ puede actuar sobre una solicitud para renovar un permiso para descarga de agua residual sin proveer una oportunidad de una audiencia de caso impugnado si se satisfacen determinados criterios.

LISTA DE CORREO. Si envía comentarios públicos, un pedido de audiencia de caso impugnado o de reconsideración de la decisión del Director Ejecutivo, usted será agregado a la lista de correo para esta solicitud específica para recibir futuros avisos públicos que la Oficina del Secretario Oficial enviará por correo. Además, puede pedir que lo agreguen a: (1) la lista de correo permanente para un nombre de solicitante o número de permiso específicos; y/o (2) la lista de correo para un condado específico. Si quiere que lo agreguen a la lista de correo permanente y/o de un condado, especifique claramente a qué lista o listas y envíe su pedido a la Oficina del Secretario Oficial de la TCEQ a la dirección que figura abajo.

INFORMACIÓN DISPONIBLE EN LÍNEA. Para conocer los 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 usando el número de permiso para esta solicitud, que se proporciona en la parte superior de este aviso.

CONTACTOS E INFORMACIÓN DE LA AGENCIA. Todos los comentarios públicos y pedidos deben presentarse ya sea de forma electrónica en **https://www14.tceq.texas.gov/epic/eComment/** o por escrito ante la Comisión de Calidad Ambiental de Texas, Oficina del Secretario Principal, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga presente que toda información de contacto que proporcione, incluidos su nombre, número de teléfono, dirección de correo electrónico y dirección física, pasarán a integrar el registro público de la agencia. Para obtener información sobre esta solicitud de permiso o el proceso de obtención de permisos, llame gratis al Programa de Educación Pública de la TCEQ al 1-800-687-4040 o visite el sitio web en www.tceq.texas.gov/goto/pep. Si desea información en español, puede llamar al 1-800-687-4040.

Se puede obtener información adicional en la Ciudad de Austin en la dirección indicada anteriormente o llamando a la Sra. Tammy West, responsable de reglamentación de aguas residuales, al 512-972-0143.

Fecha de publicación: 17 de julio de 2024

TEXAS 州环境质量委员会

收到申请及获得水质许可续延的意向之通知

许可证号：WQ0010543012

申请。Austin 市 (625 East 10th Street, Suite 800, Austin, Texas 78701) 已向 Texas 州环境质量委员会（Texas Commission on Environmental Quality，简称 TCEQ）申请续延 Texas 州污染物排放消除系统（Texas Pollutant Discharge Elimination System，简称 TPDES）第 WQ0010543012 号许可（美国国家环境保护局 ID 号：TX0071889），以授权排放经处理的废水，日均流量不超过 75,000,000加仑。该生活废水处理设施位于 1017 Fallwell Lane, City of Del Valle, Travis County, Texas 78617。排放路线从厂区直接延伸至Lady Bird Lake/Town Lake下游的Colorado River。TCEQ 于 2024 年 6 月 18 日收到了此申请。在本通知公开见报之前，相关的许可证申请可前往位于 Texas 州 Travis 县的 Waller Creek Center（地址：625 East 10th Street, Suite 315, Austin）查看和复制。该申请（包括任何更新）以及相关通知的电子版可从以下网页获取：https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications。显示工厂或设施总体位置的电子地图链接系为方便公众而提供，并非申请或通知的组成部分。具体位置请参阅申请。https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.603888,30.207777&level=18

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

备选语言版本的通知。 我们还提供越南语版本的通知，前往以下链接即可查看：https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications。

THÔNG BÁO BẰNG NGÔN NGỮ KHÁC. Thông báo bằng tiếng Hoa Giản Thể có sẵn tại : https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.

附加通知。经 TCEQ 执行董事确认，申请已完成行政审核，接下来将进行技术审核。当技术审核完成后，执行董事可能会拟定一份许可草案并就申请做出初步决定。**申请通知及初步决定将公布并邮寄给全县邮寄名单上的人员以及本申请的邮寄名单上的人员。该通知中还将公布提交公众意见的截止日期。**

公众意见/公开会议。您可以就此申请提交公众意见或请求举行公开会议。举行公开会议的目的是为了让相关人员有机会就申请提交意见或提出问题。若执行董事认为此申请涉及重大的公众利益，或者当地议员有所要求，则 TCEQ 将举行公开会议。公开会议并非争议案件听审会。

有机会召开争议案件听审会。在提交公众意见的截止日期过后，执行董事将考虑所有及时提出的公众意见，并就所有相关且重大的意见做好回应的准备。**除非申请需直接移交至争议案件听审会，否则对公众意见的回应以及执行董事对申请的决定都将邮寄给所有提交公众意见的人以及本申请的邮寄名单上的所有人。对于收到回应的公众意见，邮寄资料中还将提供相关指示，说明如何就执行董事的决定提出复议申请以及如何请求召开争议案件听审会。**争议案件听审会是类似于州地区法院民事审判的一道法律程序。

如想请求召开争议案件听审会，您必须提交以下信息：您的姓名、地址、电话号码；申请人的姓名及提议的许可证号；您的物业/活动与拟议设施之间的相对位置与距离；具体说明该设施会如何以某种大众所不常见的方式给您造成不良影响；公众评议期内您提交的所有事实争议的清单，以及明确提到"[我/我们]请求召开争议案件听审会"的声明。若是代某个团体或协会请求召开争议案件听审会，则在提交请求时必须指派代表来负责接收今后的通信内容；提供团体中某位会因为拟议设施或活动而受到不良影响的成员的姓名和实际地址；和前面提过的信息一样，提供该成员与拟议设施或活动之间的相对位置和距离；说明该成员会受到哪些影响以及为何会受到这些影响；以及解释团体想要保护的利益与他们的宗旨之间有何关联。

当适用的评议与请求提交期全部结束后，执行董事便会将申请及所有要求复议或召开争议案件听审会的请求都提交给 TCEQ 委员，供他们在定期召开的委员会大会上进行审议。

委员会只会应符合以下条件的请求准予召开争议案件听审会：在公众评议期内及时提交相关问题且后续没有撤销意见。**对于准予召开的听审会，其主题将仅限于公众评议期内提交的涉及相关且重大的水质问题的事实争议或事实+法律争议。**

在满足特定标准的情况下，TCEQ 有权对续延废水排放许可的申请采取行动，而无需提供召开争议案件听审会的机会。

邮寄名单。如果您提交了公众意见、请求召开争议案件听审会或对执行董事的决定予以复议，则您将被添加到这一特定申请的邮寄名单中，后续将收到书记官办公室 (Office of the Chief Clerk) 邮寄来的公

告。此外，您还可以请求加入：(1) 具体某个申请人及许可证号的永久邮寄名单；和/或 (2) 具体某个县的邮寄名单。如果您想加入某个/某些永久邮寄名单和/或县级邮寄名单，请说明清楚并将请求发送至以下地址的 TCEQ 书记官办公室。

可在线上获取的信息。如想详细了解申请的状态，请访问委员会综合数据库 (Commissioners' Integrated Database)：www.tceq.texas.gov/goto/cid。本通知开头部分提供了此申请的许可证号，您可以利用它来搜索数据库。

机构联系人及联系信息。公众意见和请求必须通过以下任一方式提交：一是通过 **https://www14.tceq.texas.gov/epic/eComment/** 线上提交，二是邮寄信函至 Texas 州环境质量委员会书记官办公室（地址：Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105,P.O. Box 13087, Austin, Texas 78711-3087）。请注意，您提供的任何联系信息，包括您的姓名、电话号码、电子邮件地址和实际地址，都将成为该机构公共记录的一部分。如想了解有关此许可证申请或许可流程的更多信息，请致电 TCEQ 公共教育计划 (Public Education Program) 的免费电话 1-800-687-4040；或者您也可以访问他们的网站：www.tceq.texas.gov/goto/pep。

如想获取更多信息，您还可以前往 Austin 市的上述地址，或者拨打电话 512-972-0143，联系废水监管经理 Tammy West 女士。

发布日期：7月 17， 2024

ỦY BAN CHẤT LƯỢNG MÔI TRƯỜNG TEXAS

THÔNG BÁO VỀ VIỆC NHẬN ĐƠN XIN VÀ Ý ĐỊNH GIA HẠN GIẤY PHÉP CHẤT LƯỢNG NƯỚC

GIẤY PHÉP SỐ WQ0010543012

ĐƠN XIN. Thành phố Austin, 625 East 10th Street, Suite 800, Austin, Texas 78701, đã nộp đơn xin gia hạn Giấy Phép Sử Dụng Hệ Thống Loại Bỏ Chất Ô Nhiễm Texas (TPDES) số WQ0010543012 (EPA I.D. No. TX0071889) đến Ủy ban Chất lượng Môi trường Texas (TCEQ) để cho phép xả nước thải đã qua xử lý với lưu lượng không vượt quá lưu lượng trung bình hàng ngày là 75,000,000 gallon mỗi ngày. Cơ sở xử lý nước thải sinh hoạt được đặt tại địa chỉ 1017 Fallwell Lane, thuộc thành phố Del Valle, quận Travis, Texas 78617. Tuyến xả thải đi từ khu vực nhà máy chảy trực tiếp vào Sông Colorado bên dưới Hồ Lady Bird/Town Lake. TCEQ nhận được đơn xin này vào ngày 18 tháng Sáu, 2024. Đơn xin cấp phép sẽ có sẵn để xem và sao chép tại Trung tâm Waller Creek, 625 East 10th Street, Suite 315, Austin, trong Quận Travis, Texas trước ngày thông báo này được đăng trên báo. Đơn xin, bao gồm mọi cập nhật, và thông báo liên quan đều có sẵn dưới dạng điện tử tại trang web sau: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Liên kết đến bản đồ điện tử về vị trí tổng quan của địa điểm hoặc cơ sở được cung cấp như một phép lịch sự công cộng và không phải là một phần của đơn xin hoặc thông báo. Để biết địa điểm chính xác, vui lòng tham khảo đơn xin. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.603888,30.207777&level=18

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THÔNG BÁO BẰNG NGÔN NGỮ KHÁC. Thông báo bằng tiếng Hoa Giản Thể có sẵn tại : https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.

THÔNG BÁO BỔ SUNG. Giám Đốc Điều Hành của TCEQ xác định rằng đơn xin đã hoàn tất về mặt hành chính và sẽ tiến hành đánh giá kỹ thuật. Sau khi đánh giá kỹ thuật của đơn xin hoàn tất, Giám đốc Điều hành có thể chuẩn bị một bản dự thảo giấy phép và sẽ ban hành quyết định sơ bộ về đơn xin. **Thông báo về Đơn xin và Quyết định Sơ bộ sẽ được công bố và gửi qua thư cho các đơn vị nằm trong danh sách gửi thư toàn địa hạt và các cá nhân nằm trong danh sách gửi thư cho đơn xin này. Thông báo sẽ bao gồm thời hạn nộp các ý kiến công khai.**

Ý KIẾN CÔNG KHAI / HỌP CÔNG KHAI. Quý vị có thể nộp ý kiến công khai hoặc yêu cầu một buổi họp công khai về đơn xin này. Mục đích của buổi họp công khai là cung cấp cơ hội để quý vị đệ trình ý kiến hoặc đặt câu hỏi về đơn xin. TCEQ sẽ tổ chức một buổi họp công khai nếu Giám đốc Điều hành xác định rằng có mức độ quan tâm đáng kể từ phía công chúng đối với đơn xin hoặc nếu được yêu cầu bởi một cơ quan lập pháp địa phương. Một buổi họp công khai không phải là một phiên điều trần tranh chấp.

CƠ HỘI ĐỂ MỞ MỘT PHIÊN ĐIỀU TRẦN TRANH CHẤP. Sau thời hạn đệ trình các ý kiến công khai, Giám đốc Điều hành sẽ xem xét tất cả ý kiến đúng hạn và chuẩn bị phản hồi cho tất cả ý kiến công khai có liên quan và quan trọng hoặc các ý kiến công khai có ảnh hưởng đáng kể. **Trừ khi đơn xin được trực tiếp chuyển đến một phiên điều trần tranh chấp, phản hồi cho các ý kiến, và quyết định của Giám đốc Điều hành về đơn xin, sẽ được gửi qua thư cho tất cả những người đã nộp ý kiến công khai và những cá nhân nằm trong danh sách gửi thư cho đơn xin này. Nếu có ý kiến được nhận, thư sẽ cung cấp hướng dẫn về cách yêu cầu xem xét lại quyết định của Giám đốc Điều Hành và yêu cầu một phiên điều trần tranh chấp.** Một phiên điều trần tranh chấp là một thủ tục pháp lý tương tự như một phiên xử dân sự tại tòa án quận hạt.

ĐỂ YÊU CẦU MỘT PHIÊN ĐIỀU TRẦN TRANH CHẤP, QUÝ VỊ PHẢI BAO GỒM CÁC MỤC SAU TRONG YÊU CẦU CỦA QUÝ VỊ: tên của quý vị, địa chỉ, số điện thoại; tên của người đề nghị và số giấy phép đề xuất; vị trí và khoảng cách của phần đất/hoạt động của quý vị so với cơ sở được đề xuất; mô tả cụ thể về lý do mà quý vị cho là mình sẽ bị ảnh hưởng tiêu cực bởi cơ sở đó một cách không phổ biến đối với công chúng chung; danh sách tất cả các vấn đề tranh chấp về sự thật mà quý vị đệ trình trong thời hạn đề ra ý kiến và, tuyên bố "[Tôi/chúng tôi] yêu cầu một phiên điều trần tranh chấp." Nếu yêu cầu phiên điều trần tranh chấp được nộp thay mặt cho một nhóm hoặc hiệp hội, yêu cầu phải chỉ định đại diện của nhóm để nhận thông tin phản hồi trong tương lai; xác định bằng tên và địa chỉ thực tế của một thành viên cá nhân trong nhóm sẽ bị ảnh hưởng tiêu cực bởi cơ sở hoặc hoạt động đề xuất; cung cấp thông tin đã thảo luận ở trên về vị trí và khoảng cách của thành viên bị ảnh hưởng từ cơ sở hoặc hoạt động; giải thích cách và tại sao thành viên sẽ bị ảnh hưởng; và giải thích lý do tại sao những lợi ích mà nhóm đang tìm cách bảo vệ liên quan đến mục đích của nhóm.

Sau khi kết thúc tất cả các thời hạn ý kiến và yêu cầu áp dụng, Giám đốc Điều hành sẽ chuyển đơn xin và bất kỳ yêu cầu xem xét lại hoặc một phiên điều trần tranh chấp đến Hội đồng Quản lý TCEQ để xem xét tại một cuộc họp Hội đồng được lên lịch.

Ủy ban chỉ có thể chấp thuận yêu cầu một phiên điều trần tranh chấp về các vấn đề mà người yêu cầu đã nộp trong ý kiến đúng hạn của họ mà sau đó không bị rút lại. **Nếu một phiên điều trần được chấp thuận, nội dung của phiên sẽ bị giới hạn chỉ đối với các vấn đề tranh chấp về sự thật hoặc các câu hỏi khác nhau về sự thật và luật liên quan đến các vấn đề về chất lượng nước có tính liên quan và quan trọng mà đã được đệ trình trong thời gian nêu ý kiến.**

TCEQ có thể xem xét và quyết định về đơn xin gia hạn giấy phép xả nước thải mà không cần mở thêm một phiên điều trần tranh chấp nếu các tiêu chí cụ thể được đáp ứng.

DANH SÁCH GỬI THƯ. Nếu quý vị nộp ý kiến công khai, yêu cầu một phiên điều trần tranh chấp hoặc xem xét lại quyết định của Giám đốc Điều Hành, quý vị sẽ được thêm vào danh sách gửi thư cho đơn xin cụ thể này để nhận các thông báo công khai trong tương lai được gửi bằng thư bởi Văn phòng Thư ký Trưởng. Ngoài ra, quý vị có thể yêu cầu được đặt vào: (1) danh sách gửi thư cố định cho tên ứng viên và số giấy phép cụ thể; và/hoặc (2) danh sách gửi thư cho một địa hạt cụ thể. Nếu quý vị muốn được đặt vào danh sách gửi thư cố định và/hoặc danh sách gửi thư cho địa hạt cụ thể, hãy nêu rõ rằng quý vị muốn ở trong danh sách nào và gửi yêu cầu của quý vị đến Văn phòng Thư ký trưởng TCEQ theo địa chỉ dưới đây.

THÔNG TIN CÓ SẴN TRỰC TUYẾN. Để biết chi tiết về tình trạng đơn xin cấp phép, vui lòng truy cập Cơ sở dữ liệu Tích hợp của Ủy ban tại địa chỉ www.tceq.texas.gov/goto/cid. Sử dụng số giấy phép cho đơn xin này, mà quý vị được cung cấp ở đầu thông báo này, để tìm kiếm trong cơ sở dữ liệu.

THÔNG TIN VÀ CÁCH LIÊN HỆ VỚI CƠ QUAN. Tất cả các ý kiến công khai và các yêu cầu phải được nộp thông qua hệ thống điện tử tại **https://www14.tceq.texas.gov/epic/eComment/**, hoặc bằng văn bản gửi đến Ủy Ban Chất Lượng Môi Trường Texas, Văn Phòng Thư Ký Trưởng, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Box 13087, Austin, Texas 78711-3087. Hãy lưu ý rằng mọi thông tin liên hệ quý vị cung cấp, bao gồm tên, số điện thoại, địa chỉ email và địa chỉ vật lý, sẽ trở thành một phần của hồ sơ công khai của cơ quan. Để biết thêm thông tin về đơn xin cấp phép này hoặc quy trình cấp phép, vui lòng gọi Chương trình Giáo dục Công chúng TCEQ, Miễn phí, tại số 1-800-687-4040 hoặc truy cập trang web của họ tại www.tceq.texas.gov/goto/pep.

Thông tin thêm có thể được thu thập từ Thành phố Austin theo địa chỉ đã nêu ở trên hoặc gọi Cô Tammy Y. West, Quản Lý Quy Định Xử Lý Nước Thải, tại số 512-972-0143.

Ngày Ban Hành: Tháng Bảy 17, 2024

City of Austin | Austin Water
P.O. Box 1088 Austin, TX 78767
AustinWater.org

Hand Delivered

June 18, 2024

Texas Commission on Environmental Quality
Water Quality Division
Applications Review and Processing Team (MC148)
P.O. Box 13087
Austin, Texas 78711-3087

RE: Domestic Wastewater Permit Renewal Application
City of Austin, Austin Water, South Austin Regional Wastewater Treatment Plant
CN600135198, RN101607794; TX0071889; WQ0010543012

Dear Madam/Sir:

Attached for filing with the Texas Commission on Environmental Quality (TCEQ) are one original and two complete copies of the renewal application for Domestic Wastewater Permit Renewal for the City of Austin – Austin Water's South Austin Regional Wastewater Treatment Plant.

A check for $2,015.00 was submitted to TCEQ on May 30, 2024 via certified mail. A copy of the checks is provided in Attachment 1 of the Administrative Report.

Should you have any questions or require additional information, please feel free to contact me via email at tammy.yates.west@austintexas.gov or via telephone at 512.972.0143.

Sincerely,

Tammy Y West
Wastewater Regulatory Manager

CC: Ayman Benyamin, Brian Haws, Wesley Tait, Agmed Weber, Yuejiao "Amy" Liu, Mark Reeh, Misty Klein

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
TCEQ Permit -WQ0010543012

Application for Domestic WWTP
TCEQ Form 10053
Administrative Report

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT: South Austin Regional Wastewater Treatment Plant (WWTP)

PERMIT NUMBER: WQ0010543012

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

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

For TCEQ Use Only

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

APPLICATION FOR A DOMESTIC WASTEWATER PERMIT ADMINISTRATIVE REPORT 1.0

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

Section 1. Application Fees (Instructions Page 29)

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

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

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed Check/Money Order Number: 000000004706545

Check/Money Order Amount: **$2015.00 See Attachment 1**

Name Printed on Check: TCEQ

EPAY Voucher Number:

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 29)

☐ New TPDES

☐ Major Amendment *with* Renewal

☐ Major Amendment *without* Renewal

☒ Renewal without changes

☐ New TLAP

☐ Minor Amendment *with* Renewal

☐ Minor Amendment *without* Renewal

☐ Minor Modification of permit

For amendments or modifications, describe the proposed changes: N/A

For existing permits:

Permit Number: WQ0010543012

EPA I.D. (TPDES only): TX0071889

Expiration Date: December 17, 2024

Section 3. Facility Owner (Applicant) and Co-Applicant Information (Instructions Page 29)

A. The owner of the facility must apply for the permit.

What is the Legal Name of the entity (applicant) applying for this permit?

City of Austin

(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at http://www15.tceq.texas.gov/crpub/

CN: 600135198

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in *30 TAC § 305.44*.

Prefix (Mr., Ms., Miss): Click here to enter text.

First and Last Name: Shay Ralls Roalson

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Director, Austin Water

B. Co-applicant information. Complete this section only if another person or entity is required to apply as a co-permittee.

What is the Legal Name of the co-applicant applying for this permit?

N/A

(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the legal documents forming the entity.)

If the co-applicant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at: http://www15.tceq.texas.gov/crpub/

CN: N/A

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in *30 TAC § 305.44*.

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

First and Last Name: N/A

Credential (P.E, P.G., Ph.D., etc.): N/A

Title: N/A

Provide a brief description of the need for a co-permittee: N/A

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0.

Attachment: Attachment 2

Section 4. Application Contact Information (Instructions Page 30)

This is the person(s) TCEQ will contact if additional information is needed about this application. Provide a contact for administrative questions and technical questions.

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

First and Last Name: Tammy West

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

Title: Wastewater Regulatory Manager

Organization Name: City of Austin, Austin Water

Mailing Address: 625 East 10th Street, Suite 315

City, State, Zip Code: Austin, TX, 78701

Phone No.: (512)972-0143 Ext.: Click here to enter text Fax No.: Click here to enter text

E-mail Address: tammy.yates.west@austintexas.gov

Check one or both: ☒ Administrative Contact ☒ Technical Contact

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

First and Last Name: Ayman Benyamin

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Assistant Director, Operations

Organization Name: City of Austin, Austin Water

Mailing Address: 625 East 10th Street, STE 800

City, State, Zip Code: Austin, TX, 78701

Phone No.: (512)972-0127 Ext.: Click here to enter text Fax No.: Click here to enter text

E-mail Address: ayman.benyamin@austintexas.gov

Check one or both: ☒ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 30)

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

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

First and Last Name: Tammy West

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

Title: Wastewater Regulatory Manager

Organization Name: City of Austin, Austin Water

Mailing Address: 625 East 10th Street, Suite 315

City, State, Zip Code: Austin, TX, 78701

Phone No.: (512)972-0143 Ext.: Click here to enter text Fax No.: Click here to enter text

E-mail Address: tammy.yates.west@austintexas.gov

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

First and Last Name: Ayman Benyamin

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Assistant Director, Operations

Organization Name: City of Austin, Austin Water

Mailing Address: 625 East 10th Street, STE 800

City, State, Zip Code: Austin, TX, 78701

Phone No.: (512)972-0127 Ext.: Click here to enter text Fax No.: Click here to enter text

E-mail Address: ayman.benyamin@austintexas.gov

Section 6. Billing Information (Instructions Page 30)

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

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

First and Last Name: Tammy West

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

Title: Wastewater Regulatory Manager

Organization Name: City of Austin, Austin Water

Mailing Address: 625 East 10th Street Suite 315

City, State, Zip Code: Austin, TX, 78701

Phone No.: (512)972-0143 Ext.: Click here to enter text Fax No.: Click here to enter text

E-mail Address: tammy.yates.west@austintexas.gov

Section 7. DMR/MER Contact Information (Instructions Page 31)

Provide the name and complete mailing address of the person delegated to receive and submit Discharge Monitoring Reports (EPA 3320-1) or maintain Monthly Effluent Reports.

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

First and Last Name: Ayman Benyamin

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Assistant Director, Operations

Organization Name: City of Austin – Austin Water

Mailing Address: 625 East 10th Street, Ste 800

City, State, Zip Code: Austin, TX, 78701

Phone No.: (512)972-0127 Ext.: NA Fax No.: NA

E-mail Address: ayman.benyamin@austintexas.gov

DMR data is required to be submitted electronically. Create an account at: https://www.tceq.texas.gov/permitting/netdmr/netdmr.html.

Section 8. Public Notice Information (Instructions Page 31)

A. Individual Publishing the Notices

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

First and Last Name: Tammy West

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

Title: Wastewater Regulatory Manager

Organization Name: City of Austin – Austin Water

Mailing Address: 625 East 10th Street, Suite 315

City, State, Zip Code: Austin, TX, 78701

Phone No.: (512)972-0143 Ext.: NA Fax No.: NA

E-mail Address: tammy.yates.west@austintexas.gov

B. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package

Indicate by a check mark the preferred method for receiving the first notice and instructions:

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact person to be listed in the Notices

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

First and Last Name: Tammy West

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

Title: Wastewater Regulatory Manager

Organization Name: City of Austin – Austin Water

Phone No.: (512)972-0143 Ext.: NA

E-mail: tammy.yates.west@austintexas.gov

D. Public Viewing Information

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

Public building name: Waller Creek Center

Location within the building: Suite 315

Physical Address of Building: 625 East 10th Street

City: Austin County: Travis

Contact Name: Tammy West

Phone No.: (512)972-0143 Ext.: NA

E. Bilingual Notice Requirements:

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

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

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required.

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

   ☒ Yes ☐ No

   If **no**, publication of an alternative language notice is not required; **skip to** Section 9 below.

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 question 1, 2, 3, or 4, public notices in an alternative language are required. Which language is required by the bilingual program? Simplified Chinese, Vietnamese, and Spanish- See Attachment 4 for Plain Language Summary

F. Public Involvement Plan Form

Complete the Public Involvement Plan Form (TCEQ Form 20960) for each application for a **new permit or major amendment to a permit** and include as an attachment.

Attachment: N/A

Section 9. Regulated Entity and Permitted Site Information (Instructions Page 33)

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. **RN**101607794

Search the TCEQ's Central Registry at http://www15.tceq.texas.gov/crpub/ to determine if the site is currently regulated by TCEQ.

B. Name of project or site (the name known by the community where located):

South Austin Regional Wastewater Treatment Plant

C. Owner of treatment facility: City of Austin

Ownership of Facility: ☒ Public ☐ Private ☐ Both ☐ Federal

D. Owner of land where treatment facility is or will be:

Prefix (Mr., Ms., Miss): Click here to enter text

First and Last Name: City of Austin

Mailing Address: P.O. Box 1088

City, State, Zip Code: Austin, TX 78767-1088

Phone No.: (512)972-0108 E-mail Address: shay.roalson@austintexas.gov

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: N/A

E. Owner of effluent disposal site:

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

First and Last Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A E-mail Address: NA

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: N/A

F. Owner of sewage sludge disposal site (if authorization is requested for sludge disposal on property owned or controlled by the applicant):

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

First and Last Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A E-mail Address: N/A

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 34)

A. Is the wastewater treatment facility location in the existing permit accurate?

☒ Yes ☐ No

If **no, or a new permit application**, please give an accurate description:

N/A

B. Are the point(s) of discharge and the discharge route(s) in the existing permit correct?

☒ Yes ☐ No

If **no, or a new or amendment permit application**, provide an accurate description of the point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:

N/A

City nearest the outfall(s): Austin

County in which the outfalls(s) is/are located: Travis

Outfall Latitude: 30.208067 Longitude: -97.595214

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

☐ Yes ☒ No

If **yes**, indicate by a check mark if:

☐ Authorization granted ☐ Authorization pending

For **new and amendment** applications, provide copies of letters that show proof of contact and the approval letter upon receipt.

Attachment: N/A

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

Travis, Bastrop, Fayette, Colorado

Section 11. TLAP Disposal Information (Instructions Page 36)

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

☐ Yes ☐ No

If **no, or a new or amendment permit application**, provide an accurate description of the disposal site location:

N/A

B. City nearest the disposal site: N/A

C. County in which the disposal site is located: N/A

D. Disposal Site Latitude: N/A Longitude: N/A

E. For **TLAPs**, describe the routing of effluent from the treatment facility to the disposal site:

N/A

F. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained:

N/A

Section 12. Miscellaneous Information (Instructions Page 37)

A. Is the facility located on or does the treated effluent cross American Indian Land?

☐ Yes ☒ No

B. If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?

☐ Yes ☐ No ☒ Not Applicable

If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.

N/A

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

☐ Yes ☒ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application:

N/A

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If **yes**, provide the following information:

Account number: Click here to enter text Amount past due: Click here to enter text

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If **yes**, please provide the following information:

Enforcement order number: Click here to enter text Amount past due: Click here to enter text

Section 13. Attachments (Instructions Page 38)

Indicate which attachments are included with the Administrative Report. Check all that apply:

☐ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.

☒ Original full-size USGS Topographic Map with the following information:

- Applicant's property boundary

- Treatment facility boundary
- Labeled point of discharge for each discharge point (TPDES only)
- Highlighted discharge route for each discharge point (TPDES only)
- Onsite sewage sludge disposal site (if applicable)
- Effluent disposal site boundaries (TLAP only)
- New and future construction (if applicable)
- 1 mile radius information
- 3 miles downstream information (TPDES only)
- All ponds.

☐ Attachment 1 for Individuals as co-applicants

☒ Other Attachments. Please specify: Click here to enter text

South Austin Regional (SAR) WWTP

CN600135198 RN101607794 WQ0010543012 TX0071889

Item Name	Attachment #
Application Fee	1
Core Data Form	2
USGS Topo Map	3
Plain language summary	4
Treatment Units	5
Process Flow Diagram	6
Site Diagram	7
Laboratory Analysis	8
Operator List	9
Sludge Statement	10
Pollutant Analysis Laboratory Reports	11

Section 14. Signature Page (Instructions Page 39)

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

Permit Number: WQ0010543012

Applicant: City of Austin

Certification:

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

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

Signatory name (typed or printed): Shay Ralls Roalson

Signatory title: Director, Austin Water

Signature:_____Date:_____

(Use blue ink)

Subscribed and Sworn to before me by the said_____

on this_____day of_____, 20_____.

My commission expires on the_____day of_____, 20_____.

_____

Notary Public *[SEAL]*

_____

County, Texas

ATTACHMENT 1

APPLICATION FEE

City of Austin | Austin Water
P.O. Box 1088 Austin, TX 78767
AustinWater.org

Certified Mail
Article No.: 7022 1670 0001 2933 6296

Return Receipt Requested

May 30, 2024

TCEQ
Finance Administration Division
Cashier's Office (MC 214)
P.O. Box 13088
Austin, Texas 78711-3088

RE: **Renewal Application Fee** for South Austin Regional WWTP, CN600135198, RN101607794, WQ0010543012 Renewal Application for Domestic Wastewater Permit

To Whom it May Concern:

Please see the enclosed check number 000000004706545 for $2,015.00 made payable to the Texas Commission on Environmental Quality for the renewal application fee for South Austin Regional WWTP, CN600135198, RN101607794, WQ0010543012 for the Application for Domestic Wastewater Permit.

Upon receipt of this check please email the receipt to misty.klein@austintexas.gov. For any questions or concerns please feel free to reach to me via telephone at 512.972.0249.

Sincerely,

Misty Klein

Misty Klein
Wastewater Regulatory Coordinator
Austin Water

CC: Sandra Zuniga Tammy West

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if the mailing the payment.

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP **Waste Permit No:** WQ0010543012

1. Check or Money Order Number: 000000004706545
2. Check or Money Order Amount: 2,015.00
3. Date of Check or Money Order: 05/16/2024
4. Name on Check or Money Order: TCEQ
5. APPLICATION INFORMATION

   Name of Project or Site: South Austin Regional WWTP

   Physical Address of Project or Site: 1017 Falwell Lane, Del Valle, TX 78617

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

Staple Check or Money Order in This Space

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

APPLICATION FOR A DOMESTIC WASTEWATER PERMIT ADMINISTRATIVE REPORT 1.0

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

Section 1. Application Fees (Instructions Page 29)

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

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

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed Check/Money Order Number: 000000004706545

Check/Money Order Amount: **$2015.00 See Attachment 1**

Name Printed on Check: Texas Commission on Environmental Quality

EPAY Voucher Number: Click here to enter text.

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 29)

☐ New TPDES

☐ Major Amendment *with* Renewal

☐ Major Amendment *without* Renewal

☒ Renewal without changes

☐ New TLAP

☐ Minor Amendment *with* Renewal

☐ Minor Amendment *without* Renewal

☐ Minor Modification of permit

For amendments or modifications, describe the proposed changes: N/A

For existing permits:

Permit Number: WQ0010543012

EPA I.D. (TPDES only): TX0071889

Expiration Date: December 17, 2024

ATTACHMENT 2

CORE DATA FORM

TCEQ Core Data Form

TCEQ Use Only

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 600135198		RN 101607794

SECTION II: Customer Information

4. General Customer Information	5. Effective Date for Customer Information Updates (mm/dd/yyyy)	5/1/2024

☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership

☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

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

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

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

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

Government: ☒ City ☐ County ☐ Federal ☐ 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:							
	Shay Ralls Roalson, Director, Austin Water						
	625 E 10th Street, Suite 800						
	City	Austin	State	TX	ZIP	78701	ZIP + 4

16. Country Mailing Information (*if outside USA*)	17. E-Mail Address (*if applicable*)
	shay.roalson@austintexas.gov

18. Telephone Number	19. Extension or Code	20. Fax Number (*if applicable*)
(512) 972-0108		( ) -

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.*)

South Austin Regional Wastewater Treatment Plant

23. Street Address of the Regulated Entity: *(No PO Boxes)*	1017 Falwell Lane							
	City	Del Valle	**State**	TX	**ZIP**	78617	**ZIP + 4**	
24. County								

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:					
26. Nearest City			**State**		**Nearest ZIP Code**
Austin			TX		78617
27. Latitude (N) In Decimal:	30.210875		**28. Longitude (W) In Decimal:**	-97.611016	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

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

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

domestic wastewater treatment plant

34. Mailing Address:	**c/o Mark Reeh Superintendent**							
	1017 Falwell Lane							
	City	**Del Valle**	**State**	**TX**	**ZIP**	**78617**	**ZIP + 4**	

35. E-Mail Address:	**mark.reeh@austintexas.gov**

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(512) 972-601		**( ) -**

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
	TXR05FD21			
☐ Voluntary Cleanup	☒ Waste Water	☐ Wastewater Agriculture	☐ Water Rights	☒ Other: Reuse-210
	WQ0010543012			R105043-012

SECTION IV: Preparer Information

40. Name:	Tammy Y West	**41. Title:**	Wastewater Regulatory Manager

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(512) 972-0143		( ) -	tammy.yates.west@austntexas.gov

SECTION V: Authorized Signature

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

Company:	City of Austin-Austin Water	**Job Title:**	Director, Austin Water
Name *(In Print):*	Shay Ralls Roalson	**Phone:**	(512) 972- **0108**
Signature:		**Date:**	

ATTACHMENT 3

USGS TOPO MAP

SOUTH AUSTIN REGIONAL WWTP
ADMIN REPORT, SECTION 13

USGS science for a changing world

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

WEBBERVILLE QUADRANGLE
TEXAS
7.5-MINUTE SERIES

DISCHARGE POINT, SEGMENT 1428 OF THE COLORADO RIVER

ONE MILE RADIUS

3 MILES DOWNSTREAM

FACILITY BOUNDARY

PROPERTY BOUNDARY

HORNSBY BEND

Hunter Bend

Hornsby Bend

Webberville

Garfield

Del Valle Airport

Clarence Washington Farm Lake

TRAVIS CO
BASTROP CO

Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid: Universal Transverse Mercator, Zone 14R
10 000-foot ticks: Texas Coordinate System of 1983 (central zone)

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, October 2014
Roads..... U.S. Census Bureau, 2014 - 2015
Names.....GNIS, 2015
Hydrography.....National Hydrography Dataset, 2014
Contours.....National Elevation Dataset, 2002
Boundaries.....Multiple sources; see metadata file 1972 - 2015

Wetlands.....FWS National Wetlands Inventory 1977 - 2014

MN 3° 58′ 71 MILS
GN 0° 43′ 13 MILS
UTM GRID AND 2016 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
PU
Grid Zone Designation
14R

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 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.19

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Austin East
2 Manor
3 Elgin West
4 Montopolis
5 Utley
6 Creedmoor
7 Lytton Springs
8 Bastrop SW
ADJOINING QUADRANGLES

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

WEBBERVILLE, TX
2016

MSN 7643016398814
NGA REF NO. USGSX24K47900

ATTACHMENT 4

PLAIN LANGUAGE SUMMARY

Plain Language Summary
South Austin Regional Wastewater Treatment Plant
1017 Fallwell Lane, Del Valle, Texas 78617

CN600135198 RN101607794 TX0071889 WQ0010543012

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

The City of Austin (CN600135198) operates the City of Austin South Austin Regional Wastewater Treatment Plant (RN101607794), a conventional activated sludge wastewater treatment plant. The facility is located at 1017 Fallwell Lane, in the City of Del Valle, Travis County, Texas 78617. The facility discharges directly to the Colorado River below Lady Bird Lake/Town Lake in segment No. 1428 of the Colorado River Basin.

This application is for a renewal to discharge at a daily average flow not to exceed 75 million gallons per day of treated domestic wastewater via Outfall 001.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N), Escherichia coli, and total phosphorus. Domestic wastewater is treated by conventional activated sludge wastewater treatment plant. Plant processes for each train include mechanical bar screens, grit removal, primary clarifiers, flow equalization, complete mix activated sludge aeration basins, secondary clarifiers, chlorine contact basins, filters, and declorination. Waste sludge is thickened and pumped to the City of Austin's Biosolids Management Plant (WQ0003823000) for treatment and beneficial reuse.

Tóm Tắt Bằng Ngôn Ngữ Đơn Giản
Nhà Máy Xử Lý Nước Thải Khu vực Nam Austin
1017 Fallwell Lane, Del Valle, Texas 78617

CN600135198 RN101607794 TX0071889 WQ0010543012

Bản tóm tắt sau đây được cung cấp cho đơn xin giấy phép chất lượng nước đang chờ xử lý này đang được Ủy ban Chất lượng Môi trường Texas xem xét theo yêu cầu của 30 Bộ luật Hành chánh Texas Chương 39. Thông tin cung cấp trong bản tóm tắt này có thể thay đổi trong quá trình duyệt xét chuyên môn đối với đơn đăng ký và không phải là thông tin đại diện có hiệu lực thi hành của liên bang đối với đơn xin giấy phép.

Thành phố Austin (CN600135198) vận hành Nhà Máy Xử Lý Nước Thải Khu vực Nam Austin của Thành Phố Austin (RN101607794), một nhà máy xử lý nước thải bằng bùn hoạt tính thông thường. Cơ sở xử lý được đặt tại 1017 Fallwell Lane, trong Thành Phố Del Valle, Quận Travis, Texas 78617. Cơ sở này xả thải trực tiếp vào Sông Colorado bên dưới Hồ Lady Bird/ TownLake ở đoạn số 1428 của Lưu vực Sông Colorado.

Đơn xin này nhằm mục đích gia hạn hoạt động xả nước thải sinh hoạt đã qua xử lý với lưu lượng trung bình hàng ngày không vượt quá 75 triệu gallon mỗi ngày thông qua Cửa xả 001.

Chất thải từ cơ sở này dự kiến sẽ bao gồm nhu cầu oxy sinh hóa cacbon (CBOD5) trong 5 ngày, tổng chất rắn lơ lửng (TSS), nitơ amoniac (NH3-N), Escherichia coli, và tổng phốt pho. Nước thải sinh hoạt được xử lý bằng hệ thống xử lý nước thải bùn hoạt tính thông thường. Quy trình xử lý cho mỗi hệ thống bao gồm sàng chắn cơ học, loại bỏ cát, bể lắng sơ cấp, cân bằng lưu lượng, bể sục khí bùn hoạt tính trộn hoàn toàn, bể lắng thứ cấp, bể tiếp xúc clo, bộ lọc và khử clo. Bùn thải được làm đặc và bơm đến Nhà máy Xử lý Bùn Sinh học của Thành phố Austin (WQ0003823000) để xử lý và tái sử dụng có lợi.

Resumen en lenguaje sencillo
Planta de Tratamiento de Aguas Residuales Regional del Sur de Austin
1017 Fallwell Lane, Del Valle, Texas 78617

CN600135198 RN101607794 TX0071889 WQ0010543012

Se provee esta solicitud de permiso de calidad del agua que la Comisión de Calidad Ambiental de Texas está revisando según lo requerido por el Capítulo 39 del Código Administrativo de Texas. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no son declaraciones federales ejecutables de la solicitud de permiso.

La Ciudad de Austin (CN600135198) opera la Planta de Tratamiento de Aguas Residuales Regional del Sur de Austin (RN101607794), una planta de tratamiento de aguas residuales convencional con lodos activados. La planta está ubicada en 1017 Fallwell Lane, en la Ciudad de Del Valle, Condado de Travis, Texas 78617. La planta descarga directamente al Río Colorado por debajo del Lago Lady Bird/Lago Town en el segmento número 1428 de la cuenca del Río Colorado.

Esta solicitud es para una renovación para descargar con un caudal promedio diario que no supere 75 millones de galones por día de agua residual doméstica tratada a través del Desagüe 001.

Se espera que las descargas de la planta tengan demanda bioquímica de oxígeno carbonácea a cinco días (DBOC 5), sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N), Escherichia coli y fósforo total. El agua residual doméstica se trata en una planta de tratamiento de aguas residuales convencionales con lodos activados. Los procesos de la planta para cada tren incluyen cribas de barras mecánicas, eliminación de arena, clarificadores primarios, ecualización de flujo, cuencas de aireación de lodos activados de mezcla completa, clarificadores secundarios, cuencas de contacto con cloro, filtros y decloración. Los lodos residuales se espesan y se bombean a la Planta de Manejo de Biosólidos de la Ciudad de Austin (WQ0003823000) para su tratamiento y reutilización beneficiosa.

简明摘要
South Austin地区废水处理厂
1017 Fallwell Lane, Del Valle, Texas 78617

CN600135198 RN101607794 TX0071889 WQ0010543012

根据《Texas州行政法规》第30篇第39章的规定，Texas州环境质量委员会正在审查水质许可证申请，现提供该待处理申请的以下摘要。本摘要中提供的信息可能会在该申请的技术审查过程中发生变化，这些信息并不属于联邦对许可证申请的强制性陈述。

Austin市（CN600135198）运营着Austin市South Austin地区废水处理厂（RN101607794），这是一座传统的活性污泥废水处理厂。该设施位于1017 Fallwell Lane, in the City of Del Valle, Travis County, Texas 78617。该设施直接排放到位于Colorado River流域第1428号段的Colorado River，该河段位于Lady Bird Lake/Town Lake的下游。

本申请旨在更新其排放许可，以获准每天通过001号排放口排放经处理的生活废水，日均流量不超过7500万加仑。

该设施排出的废水预计含有五日碳质生化需氧量（CBOD5）、总悬浮固体（TSS）、氨氮（NH3-N）、大肠杆菌和总磷。生活废水由传统的活性污泥废水处理厂进行处理。每条处理线的具体工艺包括机械棒筛、除砂、初级澄清池、均流、完全混合式活性污泥曝气池、二级澄清池、氯接触池、过滤器和脱氯。废弃污泥经浓缩后被泵送至Austin市的生物固体管理厂（WQ0003823000）进行处理和有益再利用。

CITY OF AUSTIN - AUSTIN WATER

SOUTH AUSTIN REGIONAL (SAR) WWTP

TCEQ PERMIT -WQ0010543012

APPLICATION FOR DOMESTIC WWTP

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: _____Renewal _____Major Amendment ____Minor Amendment _____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

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

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

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

The SPIF must be completed as a separate document. The TCEQ will mail a copy of the SPIF to each agency as required by the TCEQ agreement with EPA. If any of the items are not completely addressed or further information is needed, you will be contacted to provide the information before the permit is issued. Each item must be completely addressed.

Do not refer to a response of any item in the permit application form. Each attachment must be provided with this form separately from the administrative report of the application. The application will not be declared administratively complete without this form being completed in its entirety including all attachments.

The following applies to all applications:

1. Permittee: City of Austin

   Permit No. WQ00 10543012 EPA ID No. TX 0071889

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

   1017 Fallwell Lane, Del Valle, Travis County, Texas, 78617

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

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

First and Last Name: Tammy West

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

Title: Wastewater Regulatory Manager

Mailing Address: 625 East 10th Street, Suite 315

City, State, Zip Code: Austin, TX 78701

Phone No.: (512) 972-0143 Ext.: N/A Fax No.: N/A

E-mail Address: tammy.yates.west@austintexas.gov

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

N/A

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

From the plant site through two 60" and one 84" diameter pipes to the Colorado River, downstream of Lady Bird Lake in segment No. 1428 of the Colorado River Basin.

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

Minimal impact for process, mechanical and electrical improvements of existing treatment units. No caves or karst features have been encountered at the plant.

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

Existing disturbances, vegetation, and land use are typical for the operation and maintenance of a Wastewater Treatment Plant.

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

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

N/A

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

N/A

ATTACHMENT 1

USGS TOPO MAP

SOUTH AUSTIN REGIONAL WWTP
ADMIN REPORT, SECTION 13

USGS science for a changing world

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

WEBBERVILLE QUADRANGLE
TEXAS
7.5-MINUTE SERIES

DISCHARGE POINT, SEGMENT 1428 OF THE COLORADO RIVER

ONE MILE RADIUS

3 MILES DOWNSTREAM

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PROPERTY BOUNDARY

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Hunter Bend

Hornsby Bend

Webberville

Garfield

Del Valle Airport

Clarence Washington Farm Lake

TRAVIS CO
BASTROP CO

Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid: Universal Transverse Mercator, Zone 14R
10 000-foot ticks: Texas Coordinate System of 1983 (central zone)

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GN 0° 43′ 13 MILS
UTM GRID AND 2016 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
PU
Grid Zone Designation
14R

SCALE 1:24 000

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1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
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CONTOUR INTERVAL 10 FEET
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8 Bastrop SW
ADJOINING QUADRANGLES

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

WEBBERVILLE, TX
2016

MSN 7643016398814
NGA REF NO. USGSX24K47900

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
TCEQ Permit -WQ0010543012

Application for Domestic WWTP
TCEQ Form 10054
Technical Report

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION

DOMESTIC TECHNICAL REPORT 1.0

The Following Is Required For All Applications

Renewal, New, And Amendment

Section 1. Permitted or Proposed Flows (Instructions Page 51)

A. Existing/Interim I Phase

Design Flow (MGD): 75

2-Hr Peak Flow (MGD): 216

Estimated construction start date: Existing

Estimated waste disposal start date: Existing

B. Interim II Phase

Design Flow (MGD): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

C. Final Phase

Design Flow (MGD): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

D. Current operating phase: 75 MGD

Provide the startup date of the facility: June 2006

Section 2. Treatment Process (Instructions Page 51)

A. Treatment process description

Provide a detailed description of the treatment process. **Include the type of**

treatment plant, mode of operation, and all treatment units. Start with the plant's head works and finish with the point of discharge. Include all sludge processing and drying units. **If more than one phase exists or is proposed in the permit, a description of *each phase* must be provided**. Process description:

Conventional activated sludge wastewater treatment plant consisting of three treatment trains. Process units for each train include mechanical bar screens, grit removal, primary clarifiers, flow equalization, complete mix activated sludge aeration basins, secondary clarifiers, chlorine contact basins, filters, and dichlorination. Waste sludge thickened and pumped to the City of Austin's Biosolids Management Plant (WQ0003823000) for treatment and beneficial reuse.

Port or pipe diameter at the discharge point, in inches: 2-60" diameter, 1-84"diameter

B. Treatment Units

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

Table 1.0(1) – Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
See Attachment 5		

C. Process flow diagrams

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

Attachment: Attachment 6

Section 3. Site Drawing (Instructions Page 52)

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

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

Attachment: 7

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

The service area includes the southern portion of the City of Austin (south of the crosstown tunnel), as well as the cities of Rollingwood, Westlake Hills, and Sunset Valley.

Section 4. Unbuilt Phases (Instructions Page 52)

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

Yes ☐ No ☒

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

Yes ☐ No ☐

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

N/A

Section 5. Closure Plans (Instructions Page 53)

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

Yes ☐ No ☒

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

Yes ☐ No ☐

If yes, provide a brief description of the closure and the date of plan approval.

N/A

Section 6. Permit Specific Requirements (Instructions Page 53)

For applicants with an existing permit, check the *Other Requirements* or *Special Provisions* of the permit.

A. Summary transmittal

Have plans and specifications been approved for the existing facilities and each proposed phase?

Yes ☒ No ☐

If yes, provide the date(s) of approval for each phase: Train A & B approved 1/2/1985. Train C approved 02/27/2002.

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

Filter improvements project approved 06/29/2015.

B. Buffer zones

Have the buffer zone requirements been met?

Yes ☒ No ☐

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

relevant to maintaining the buffer zones.

N/A

C. Other actions required by the current permit

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

Yes ☒ No ☐

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

Other Requirements, paragraph 8 requires annual average effluent limitations of 5 mg/L CBOD5, 5 mg/L TSS, and 2 mg/L NH3-N shall be maintained. Results are submitted annually in January to the TCEQ Water Quality Compliance Monitoring Team (MC224) of the Enforcement Division of the TCEQ.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

Yes ☐ No ☒

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

2. Grit and grease processing

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

N/A

3. Grit disposal

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

Yes ☐ No ☐

If No, contact the TCEQ Municipal Solid Waste team at 512-239-0000. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

Describe the method of grit disposal.

N/A

4. Grease and decanted liquid disposal

Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-0000.

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

N/A

E. Stormwater management

1. Applicability

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

Yes ☒ No ☐

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

Yes ☒ No ☐

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

2. MSGP coverage

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

Yes ☒ No ☐

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

TXR05 05DF21 or TXRNE Click here to enter text.

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

Yes ☐ No ☐

3. Conditional exclusion

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

Yes ☐ No ☒

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

N/A

4. Existing coverage in individual permit

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

Yes ☐ No ☒

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

N/A

5. Zero stormwater discharge

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

Yes ☐ No ☒

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

N/A

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

6. Request for coverage in individual permit

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

Yes ☐ No ☒

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

N/A

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?
Yes ☐ No ☒

If yes, a Sewage Sludge Solids Management Plan is required. See Example 5 in the instructions.

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

1. Acceptance of sludge from other WWTPs

Does the facility accept or will it accept sludge from other treatment plants at the facility site?
Yes ☐ No ☒

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

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

N/A

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

Yes ☐ No ☒

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

Yes ☐ No ☒

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

Yes ☐ No ☒

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

N/A

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

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

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

Yes ☐ No ☒

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

N/A

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 58)

Is the facility in operation?
Yes ☒ No ☐ **See Attachment 8 for Lab Analysis**

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

If yes, provide effluent analysis data for the listed pollutants. ***Wastewater treatment facilities*** complete Table 1.0(2). **W*ater treatment facilities*** discharging filter backwash water, complete Table 1.0(3).

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

Table 1.0(2) - Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	**Average Conc.**	**Max Conc.**	**No. of Samples**	**Sample Type**	**Sample Date/Time**
$CBOD_5$, mg/l	2.1	3.3	313	Composite	06/01/2023-05/01/2024
Total Suspended Solids, mg/l	1.2	8.6	337	Composite	06/01/2023-05/01/2024
Ammonia Nitrogen, mg/l	0.509	3.96	336	Composite	06/01/2023-05/01/2024
Nitrate Nitrogen, mg/l	23.7	30.5	31	Composite	05/03/2023-11/28/2023
Total Kjeldahl Nitrogen, mg/l	2.92	4.87	4	Composite	02/06/2024-02/28/2024
Sulfate, mg/l	61.9	65.4	8	Composite	06/05/2023-11/06/2023
Chloride, mg/l	113.1	127	10	Composite	06/05/2023-04/01/2024
Total Phosphorus, mg/l	3.90	7.06	150	Composite	06/01/2023-05/01/2024
pH, standard units	7.012	7.015	5	Grab	04/21/2024-04/25/2024
Dissolved Oxygen*, mg/l	8.27	8.38	5	Grab	04/21/2024-04/25/2024

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Chlorine Residual, mg/l	0.004	0.01	5	Grab	04/21/2024-04/25/2024
E.coli (CFU/100ml) freshwater	3.70	71.7	153	Grab	06/01/2023-05/01/2024
Entercocci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	567	662	46	Composite	06/01/2023-05/01/2024
Electrical Conductivity, µmohs/cm, †	N/A	N/A	N/A	N/A	N/A
Oil & Grease, mg/l	<2.5	<2.5	4	Grab	02/06/2024-02/28/2024
Alkalinity ($CaCO_3$)*, mg/l	107	155	238	Composite	06/01/2023-05/01/2024

*TPDES permits only

†TLAP permits only

Table 1.0(3) - Pollutant Analysis for Water Treatment Facilities

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

Section 8. Facility Operator (Instructions Page 60)

Facility Operator Name: Mark Reeh, Superintendent

Facility Operator's License Classification and Level: WW Class B

See Attachment 9-Operator List

Facility Operator's License Number: WW0050796

Section 9. Sewage Sludge Management and Disposal (Instructions Page 60)

A. Sludge disposal method

Identify the current or anticipated sludge disposal method or methods from the following list. Check all that apply.

☐ Permitted landfill

☐ Permitted or Registered land application site for beneficial use

☐ Land application for beneficial use authorized in the wastewater permit

☐ Permitted sludge processing facility

☐ Marketing and distribution as authorized in the wastewater permit

☐ Composting as authorized in the wastewater permit

☐ Permitted surface disposal site (sludge monofill)

☐ Surface disposal site (sludge monofill) authorized in the wastewater permit

☒ Transported to another permitted wastewater treatment plant or permitted sludge processing facility. If you selected this method, a written statement or contractual agreement from the wastewater treatment plant or permitted sludge processing facility accepting the sludge must be included with this application. See Attachment 10

☐ Other: Click here to enter text

B. Sludge disposal site

Disposal site name: Hornsby Bend Biosolids Management Plant

TCEQ permit or registration number: WQ003823000

County where disposal site is located: Travis

C. Sludge transportation method

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

Name of the hauler: n/a

Hauler registration number: n/a

Sludge is transported as a:

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

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

A. Beneficial use authorization

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

Yes ☐ No ☒

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

Yes ☐ No ☐

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

Yes ☐ No ☐

B. Sludge processing authorization

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

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

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

Yes ☐ No ☐

Section 11. Sewage Sludge Lagoons (Instructions Page 61)

Does this facility include sewage sludge lagoons?

Yes ☐ No ☒

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

A. Location information

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

- Original General Highway (County) Map:

  Attachment: Click here to enter text.

- USDA Natural Resources Conservation Service Soil Map:

  Attachment: Click here to enter text.

- Federal Emergency Management Map:

  Attachment: Click here to enter text.

- Site map:

  Attachment: Click here to enter text.

Discuss in a description if any of the following exist within the lagoon area.

Check all that apply.

☐ Overlap a designated 100-year frequency flood plain

☐ Soils with flooding classification

☐ Overlap an unstable area

☐ Wetlands

☐ Located less than 60 meters from a fault

☐ None of the above

Attachment: Click here to enter text.

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

Click here to enter text

B. Temporary storage information

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

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

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

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

Phosphorus, mg/kg: Click here to enter text

Potassium, mg/kg: Click here to enter text

pH, standard units: Click here to enter text

Ammonia Nitrogen mg/kg: Click here to enter text

Arsenic: Click here to enter text

Cadmium: Click here to enter text

Chromium: Click here to enter text

Copper: Click here to enter text

Lead: Click here to enter text

Mercury: Click here to enter text

Molybdenum: Click here to enter text

Nickel: Click here to enter text

Selenium: Click here to enter text

Zinc: Click here to enter text

Total PCBs: Click here to enter text

Provide the following information:

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

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

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

C. Liner information

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

Yes ☐ No ☐

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

Click here to enter text

D. Site development plan

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

Click here to enter text

Attach the following documents to the application.

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

  Attachment: Click here to enter text

- Copy of the closure plan

  Attachment: Click here to enter text

- Copy of deed recordation for the site

  Attachment: Click here to enter text

- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

  Attachment: Click here to enter text

- Description of the method of controlling infiltration of groundwater and surface water from entering the site

  Attachment: Click here to enter text

- Procedures to prevent the occurrence of nuisance conditions

  Attachment: Click here to enter text

E. Groundwater monitoring

Is groundwater monitoring currently conducted at this site, or are any wells

available for groundwater monitoring, or are groundwater monitoring data otherwise available for the sludge lagoon(s)?

Yes ☐ No ☐

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

Attachment: Click here to enter text.

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 63)

A. Additional authorizations

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

Yes ☒ No ☐

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

R10543-012

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

Yes ☐ No ☒

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

Yes ☐ No ☒

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

n/a

Section 13. RCRA/CERCLA Wastes (Instructions Page 63)

A. RCRA hazardous wastes

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

Yes ☐ No ☒

B. Remediation activity wastewater

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

Yes ☐ No ☒

C. Details about wastes received

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

Attachment: Click here to enter text.

Section 14. Laboratory Accreditation (Instructions Page 64)

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

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

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

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

CERTIFICATION:

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

Printed Name: Shay Ralls Roalson, P.E.

Title: Director, Austin Water

Signature: _____

Date: _____

DOMESTIC TECHNICAL REPORT WORKSHEET 2.0

RECEIVING WATERS

The following is required for all TPDES permit applications

Section 1. Domestic Drinking Water Supply (Instructions Page 73)

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

Yes ☐ No ☒

If yes, provide the following:
Owner of the drinking water supply: n/a

Distance and direction to the intake: n/a

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

Attachment: n/a

Section 2. Discharge into Tidally Affected Waters (Instructions Page 73)

Does the facility discharge into tidally affected waters?

Yes ☐ No ☒

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

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: n/a

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

Yes ☐ No ☒

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

n/a

C. Sea grasses

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

Yes ☐ No ☒

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

n/a

Section 3. Classified Segments (Instructions Page 73)

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

Yes ☒ No ☐

If yes, this Worksheet is complete.

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

Section 4. Description of Immediate Receiving Waters (Instructions Page 75)

Name of the immediate receiving waters: Click here to enter text

A. Receiving water type

Identify the appropriate description of the receiving waters.

☐ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres: Click here to enter text

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

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

☐ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify: Click here to enter text.

B. Flow characteristics

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

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

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

☐ Perennial - normally flowing

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

☐ USGS flow records

☐ Historical observation by adjacent landowners

☐ Personal observation

☐ Other, specify: Click here to enter text.

C. Downstream perennial confluences

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

Click here to enter text.

D. Downstream characteristics

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

Yes ☐ No ☐

If yes, discuss how.

Click here to enter text.

E. Normal dry weather characteristics

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

Click here to enter text.

Date and time of observation: Click here to enter text.

Was the water body influenced by stormwater runoff during observations?

Yes ☐ No ☐

Section 5. General Characteristics of the Waterbody (Instructions Page 74)

A. Upstream influences

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

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

B. Waterbody uses

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

☐ Livestock watering
☐ Contact recreation
☐ Irrigation withdrawal
☐ Non-contact recreation
☐ Fishing
☐ Navigation

☐ Domestic water supply ☐ Industrial water supply

☐ Park activities ☐ Other(s), specify Click here to enter text.

C. Waterbody aesthetics

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

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation; some development evident (from fields, pastures, dwellings); water clarity discolored

☐ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

Attachment: Click here to enter text.

B. Buffer variance request

Do you plan to request a buffer variance from water wells or waters in the state?

Yes ☐ No ☐

If yes, then attach the additional information required in *30 TAC § 222.81(c).*

Attachment: Click here to enter text.

Section 6. Edwards Aquifer (Instructions Page 85)

A. Is the SADDS located on the Edwards Aquifer Recharge Zone as mapped by the TCEQ?

Yes ☐ No ☐

B. Is the SADDS located on the Edwards Aquifer Transition Zone as mapped by the TCEQ?

Yes ☐ No ☐

If yes to either question, then the SADDS may be prohibited by *30 TAC §213.8*. Please call the Municipal Permits Team at 512-239-4671 to schedule a pre-application meeting.

DOMESTIC WORKSHEET 4.0

POLLUTANT ANALYSES REQUIREMENTS*

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

This worksheet is not required for minor amendments without renewal

Section 1. Toxic Pollutants (Instructions Page 87)

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

Grab ☐ Composite ☒

Date and time sample(s) collected: See Attachment 11

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	< 50	< 50	8	50
Aldrin	<0.00943	<0.00948	2	0.01
Aluminum	15.9	20	5	2.5
Anthracene	< 0.943	< 0.944	2	10
Antimony	< 5	< 5	5	5
Arsenic	1.4	1.78	5	0.5
Barium	18.3	22.4	5	3
Benzene	< 10	< 10	8	10
Benzidine	< 18.9	< 18.9	2	50
Benzo(a)anthracene	< 0.944	< 0.944	2	5

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Benzo(a)pyrene	< 0.944	< 0.944	2	5
Bis(2-chloroethyl)ether	< 0.94	< 0.94	2	10
Bis(2-ethylhexyl)phthalate	< 7.08	< 7.08	2	10
Bromodichloromethane	19.2	23.3	8	10
Bromoform	< 10	< 10	8	10
Cadmium	< 1	< 1	5	1
Carbon Tetrachloride	< 2	< 2	8	2
Carbaryl	< 2.4	< 2.37	2	5
Chlordane*	< 0.18	< 0.19	2	0.2
Chlorobenzene	< 10	< 10	8	10
Chlorodibromomethane	11	13.2	8	10
Chloroform	23.6	29.2	8	10
Chlorpyrifos	< 0.047	< 0.0474	2	0.05
Chromium (Total)	3	3	5	3
Chromium (Tri) **(*1)**	0	0	11	N/A
Chromium (Hex)	3	3	6	3
Copper	2.6	3.93	5	2
Chrysene	0.944	0.944	2	5
p-Chloro-m-Cresol	2.27	2.27	2	10
4,6-Dinitro-o-Cresol	< 7.55	< 7.55	2	50
p-Cresol	< 5.85	< 5.85	2	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Cyanide **(*2)**	< 12.4	< 48.2	24	10
4,4'- DDD	< 0.0094	<0.00948	2	0.1
4,4'- DDE	< 0.0094	<0.00948	2	0.1
4,4'- DDT	< 0.0094	<0.00948	2	0.02
2,4-D	< 0.19	< 0.19	2	0.7
Demeton (O and S)	< 0.047	< 0.0474	2	0.20
Diazinon	< 0.047	< 0.0474	2	0.5/0.1
1,2-Dibromoethane	< 2	< 2	8	10
m-Dichlorobenzene	< 4.2	< 5	10	10
o-Dichlorobenzene	< 4.2	< 5	10	10
p-Dichlorobenzene	< 4.2	< 5	10	10
3,3'-Dichlorobenzidine	< 4.72	< 4.72	2	5
1,2-Dichloroethane	< 10	< 10	8	10
1,1-Dichloroethylene	< 10	< 10	8	10
Dichloromethane	< 20	< 20	8	20
1,2-Dichloropropane	< 10	< 10	8	10
1,3-Dichloropropene	< 10	< 10	8	10
Dicofol	< 0.0472	<0.0474	2	1
Dieldrin	< 0.0095	<0.00948	2	0.02
2,4-Dimethylphenol	< 2.27	< 2.27	2	10
Di-n-Butyl Phthalate	< 7.08	< 7.08	2	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Diuron	< 0.0425	< 0.0427	2	0.09
Endosulfan I (alpha)	< 0.0094	<0.00948	2	0.01
Endosulfan II (beta)	< 0.0094	<0.00948	2	0.02
Endosulfan Sulfate	< 0.0094	<0.00948	2	0.1
Endrin	< 0.0094	<0.00948	2	0.02
Ethylbenzene	< 10	< 10	8	10
Fluoride	1420	2180	6	500
Guthion	< 0.0472	< 0.0474	2	0.1
Heptachlor	< 0.0094	<0.00948	2	0.01
Heptachlor Epoxide	< 0.0094	<0.00948	2	0.01
Hexachlorobenzene	< 0.9435	< 0.944	2	5
Hexachlorobutadiene	< 0.9435	< 0.944	2	10
Hexachlorocyclohexane (alpha)	< 0.0094	<0.00948	2	0.05
Hexachlorocyclohexane (beta)	< 0.0189	< 0.0285	2	0.05
gamma-Hexachlorocyclohexane (Lindane)	< 0.0094	<0.00948	2	0.05
Hexachlorocyclopentadiene	< 8.49	< 8.5	2	10
Hexachloroethane	< 0.9435	< 0.944	2	20
Hexachlorophene	< 2.3819	< 4.74	2	10
Lead	< 0.5	< 0.5	5	0.5
Malathion	< 0.0472	< 0.0474	2	0.1

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Mercury	< 0.005	< 0.005	36	0.005
Methoxychlor	< 0.0094	<0.00948	2	2
Methyl Ethyl Ketone	< 50	< 50	8	50
Mirex	< 0.0094	<0.00948	2	0.02
Nickel	2.61	3.49	5	2
Nitrate-Nitrogen	19738	29400	8	100
Nitrobenzene	< 0.9435	< 0.944	2	10
N-Nitrosodiethylamine	< 0.9435	< 0.944	2	20
N-Nitroso-di-n-Butylamine	< 0.9435	< 0.944	2	20
Nonylphenol	< 33.3	< 33.4	2	333
Parathion (ethyl)	< 0.0472	< 0.0474	2	0.1
Pentachlorobenzene	< 0.9435	< 0.944	2	20
Pentachlorophenol	< 0.9435	< 0.944	2	5
Phenanthrene	< 0.9435	< 0.944	2	10
Polychlorinated Biphenyls (PCB's) **(*3)**	< 0.1886	< 0.191	14	0.2
Pyridine	< 5.095	< 5.1	2	20
Selenium	< 5	< 5	5	5
Silver	< 0.5	< 0.5	5	0.5
1,2,4,5-Tetrachlorobenzene	< 0.9435	< 0.944	2	20
1,1,2,2-Tetrachloroethane	< 10	< 10	8	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Tetrachloroethylene	< 10	< 10	8	10
Thallium	< 0.5	< 0.5	5	0.5
Toluene	< 10	< 10	8	10
Toxaphene	< 0.174	< 0.19	2	0.3
2,4,5-TP (Silvex)	< 0.19	< 0.19	2	0.3
Tributyltin (see instructions for explanation)	N/A	N/A	N/A	0.01
1,1,1-Trichloroethane	< 10	< 10	8	10
1,1,2-Trichloroethane	< 10	< 10	8	10
Trichloroethylene	< 10	< 10	8	10
2,4,5-Trichlorophenol	< 0.9435	< 0.944	2	50
TTHM (Total Trihalomethanes)	54.3	67	8	10
Vinyl Chloride	< 10	< 10	8	10
Zinc	27.14	34.5	5	5

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

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

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

Section 2. Priority Pollutants

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

Grab ☐ Composite ☐

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

Table 4.0(2)A – Metals, Cyanide, Phenols

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Antimony	< 5	< 5	5	5
Arsenic	1.4	1.78	5	0.5
Beryllium	< 0.5	< 0.5	5	0.5
Cadmium	< 1	< 1	5	1
Chromium (Total)	3	3	5	3
Chromium (Hex)	3	3	6	3
Chromium (Tri) (*1)	0	0	11	N/A
Copper	2.6	3.93	5	2
Lead	< 0.5	< 0.5	5	0.5
Mercury	< 0.005	< 0.005	36	0.005
Nickel	2.61	3.49	5	2
Selenium	< 5	< 5	5	5
Silver	< 0.5	< 0.5	5	0.5
Thallium	< 0.5	< 0.5	5	0.5
Zinc	27.14	34.5	5	5
Cyanide (*2)	< 12.4	< 48.2	24	10
Phenols, Total	< 1.42	< 1.42	2	10

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

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

Table 4.0(2)B – Volatile Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrolein	< 50	< 50	8	50
Acrylonitrile	< 50	< 50	8	50
Benzene	< 10	< 10	8	10
Bromoform	< 10	< 10	8	10
Carbon Tetrachloride	< 2	< 2	8	2
Chlorobenzene	< 10	< 10	8	10
Chlorodibromomethane	11	13.2	8	10
Chloroethane	< 10	< 10	8	50
2-Chloroethylvinyl Ether	< 10	< 10	8	10
Chloroform	23.6	29.2	8	10
Dichlorobromomethane [Bromodichloromethane]	19.35	22.3	8	10
1,1-Dichloroethane	< 10	< 10	8	10
1,2-Dichloroethane	< 10	< 10	8	10
1,1-Dichloroethylene	< 10	< 10	8	10
1,2-Dichloropropane	< 10	< 10	8	10
1,3-Dichloropropylene [1,3-Dichloropropene]	< 10	< 10	8	10
1,2-Trans-Dichloroethylene	< 10	< 10	8	10
Ethylbenzene	< 10	< 10	8	10
Methyl Bromide	< 20	< 20	8	50
Methyl Chloride	< 20	< 20	8	50
Methylene Chloride	< 20	< 20	8	20
1,1,2,2-Tetrachloroethane	< 10	< 10	8	10
Tetrachloroethylene	< 10	< 10	8	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Toluene	< 10	< 10	8	10
1,1,1-Trichloroethane	< 10	< 10	8	10
1,1,2-Trichloroethane	< 10	< 10	8	10
Trichloroethylene	< 10	< 10	8	10
Vinyl Chloride	< 10	< 10	8	10

Table 4.0(2)C – Acid Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
2-Chlorophenol	< 0.9435	< 0.944	2	10
2,4-Dichlorophenol	< 0.9435	< 0.944	2	10
2,4-Dimethylphenol	< 2.27	< 2.27	2	10
4,6-Dinitro-o-Cresol	< 7.55	< 7.55	2	50
2,4-Dinitrophenol	< 8.495	< 8.5	2	50
2-Nitrophenol	< 0.9435	< 0.944	2	20
4-Nitrophenol	< 0.9435	< 0.944	2	50
P-Chloro-m-Cresol	2.27	2.27	2	10
Pentalchlorophenol	< 0.9435	< 0.944	2	5
Phenol	< 1.42	< 1.42	2	10
2,4,6-Trichlorophenol	< 0.9435	< 0.944	2	10

Table 4.0(2)D – Base/Neutral Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acenaphthene	< 0.943	< 0.944	2	10
Acenaphthylene	< 0.943	< 0.944	2	10
Anthracene	< 0.943	< 0.944	2	10
Benzidine	< 18.9	< 18.9	2	50
Benzo(a)Anthracene	< 0.944	< 0.944	2	5
Benzo(a)Pyrene	< 0.94	< 0.944	2	5
3,4-Benzofluoranthene	< 0.9435	< 0.944	2	10
Benzo(ghi)Perylene	< 0.9435	< 0.944	2	20
Benzo(k)Fluoranthene	< 0.9435	< 0.944	2	5
Bis(2-Chloroethoxy)Methane	< 0.9435	< 0.944	2	10
Bis(2-Chloroethyl)Ether	< 9.94	< 0.94	2	10
Bis(2-Chloroisopropyl)Ether	< 0.9435	< 0.944	2	10
Bis(2-Ethylhexyl)Phthalate	< 7.08	< 7.08	2	10
4-Bromophenyl Phenyl Ether	< 0.9435	< 0.944	2	10
Butyl benzyl Phthalate	< 7.08	< 7.08	2	10
2-Chloronaphthalene	< 0.9435	< 0.944	2	10
4-Chlorophenyl phenyl ether	< 0.9435	< 0.944	2	10
Chrysene	0.944	0.944	2	5
Dibenzo(a,h)Anthracene	< 0.9435	< 0.944	2	5
1,2-(o)Dichlorobenzene	< 4.2	< 5	10	10
1,3-(m)Dichlorobenzene	< 4.2	< 5	10	10
1,4-(p)Dichlorobenzene	< 4.2	< 5	10	10
3,3-Dichlorobenzidine	< 4.72	< 4.72	2	5
Diethyl Phthalate	< 5.38	< 5.38	2	10
Dimethyl Phthalate	< 4.53	< 4.53	2	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Di-n-Butyl Phthalate	< 7.08	< 7.08	2	10
2,4-Dinitrotoluene	< 3.305	< 3.31	2	10
2,6-Dinitrotoluene	< 0.9435	< 0.944	2	10
Di-n-Octyl Phthalate	< 0.9435	< 0.944	2	10
1,2-Diphenylhydrazine (as Azo-benzene)	< 0.9435	< 0.944	2	20
Fluoranthene	< 0.9435	< 0.944	2	10
Fluorene	< 0.9435	< 0.944	2	10
Hexachlorobenzene	< 0.9435	< 0.944	2	5
Hexachlorobutadiene	< 0.9435	< 0.944	2	10
Hexachlorocyclo-pentadiene	< 8.49	< 8.5	2	10
Hexachloroethane	< 0.9435	< 0.944	2	20
Indeno(1,2,3-cd)pyrene	< 0.9435	< 0.944	2	5
Isophorone	< 0.9435	< 0.944	2	10
Naphthalene	< 0.9435	< 0.944	2	10
Nitrobenzene	< 0.9435	< 0.944	2	10
N-Nitrosodimethylamine	< 6.605	< 6.61	2	50
N-Nitrosodi-n-Propylamine	< 0.9435	< 0.944	2	20
N-Nitrosodiphenylamine	< 0.9435	< 0.944	2	20
Phenanthrene	< 0.9435	< 0.944	2	10
Pyrene	< 0.9435	< 0.944	2	10
1,2,4-Trichlorobenzene	< 0.9435	< 0.944	2	10

Table 4.0(2)E - Pesticides

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Aldrin	< 0.0094	<0.00948	2	0.01
alpha-BHC (Hexachlorocyclohexane)	< 0.0094	<0.00948	2	0.05
beta-BHC (Hexachlorocyclohexane)	< 0.0189	< 0.0285	2	0.05
gamma-BHC (Hexachlorocyclohexane)	< 0.0094	<0.00948	2	0.05
delta-BHC (Hexachlorocyclohexane)	< 0.0094	<0.00948	2	0.05
Chlordane	< 0.18	< 0.19	2	0.2
4,4-DDT	< 0.0094	<0.00948	2	0.02
4,4-DDE	< 0.0094	<0.00948	2	0.1
4,4,-DDD	< 0.0094	<0.00948	2	0.1
Dieldrin	< 0.0095	<0.00948	2	0.02
Endosulfan I (alpha)	< 0.0094	<0.00948	2	0.01
Endosulfan II (beta)	< 0.0094	<0.00948	2	0.02
Endosulfan Sulfate	< 0.0094	<0.00948	2	0.1
Endrin	< 0.0094	<0.00948	2	0.02
Endrin Aldehyde	< 0.0094	<0.00948	2	0.1
Heptachlor	< 0.0094	<0.00948	2	0.01
Heptachlor Epoxide	< 0.0094	<0.00948	2	0.01
PCB-1242	< 0.1885	< 0.19	2	0.2
PCB-1254	< 0.1885	< 0.19	2	0.2
PCB-1221	< 0.1885	< 0.19	2	0.2
PCB-1232	< 0.1885	< 0.19	2	0.2

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
PCB-1248	< 0.1885	< 0.19	2	0.2
PCB-1260	< 0.1885	< 0.19	2	0.2
PCB-1016	< 0.189	< 0.191	2	0.2
Toxaphene	< 0.174	< 0.19	2	0.3

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

Section 3. Dioxin/Furan Compounds

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

☐ 2,4,5-trichlorophenoxy acetic acid
Common Name 2,4,5-T, CASRN 93-76-5

☐ 2-(2,4,5-trichlorophenoxy) propanoic acid
Common Name Silvex or 2,4,5-TP, CASRN 93-72-1

☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate
Common Name Erbon, CASRN 136-25-4

☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate
Common Name Ronnel, CASRN 299-84-3

☐ 2,4,5-trichlorophenol
Common Name TCP, CASRN 95-95-4

☐ hexachlorophene
Common Name HCP, CASRN 70-30-4

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

n/a

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

Yes ☐ No ☐

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

Click here to enter text.

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

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

Grab ☐ Composite ☐

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

TABLE 4.0(2)F - DIOXIN/FURAN COMPOUNDS

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

Compound	Toxic Equivalency Factors	Wastewater Concentration (ppq)	Wastewater Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Equivalents (ppt)	MAL (ppq)
PCB 126	0.1					0.5
PCB 169	0.03					0.5
Total						

DOMESTIC WORKSHEET 5.0

TOXICITY TESTING REQUIREMENTS

The following is required for facilities with a currently-operating design flow greater than or equal to 1.0 MGD, with an EPA-approved pretreatment program (or those that are required to have one under 40 CFR Part 403), or are required by the TCEQ to perform Whole Effluent Toxicity testing. This worksheet is not required for minor amendments without renewal.

Section 1. Required Tests (Instructions Page 97)

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

7-day Chronic: 18

48-hour Acute: 10

Section 2. Toxicity Reduction Evaluations (TREs)

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

Yes ☐ No ☒

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

N/A

Section 3. Summary of WET Tests

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

Table 5.0(1) – Summary of WET Tests

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal
	Results submitted in DMRs		

DOMESTIC WORKSHEET 6.0

INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works (POTWs)

Section 1. All POTWs (Instructions Page 99)

A. Industrial users

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

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

Categorical IUs:

Number of IUs: 8

Average Daily Flows, in MGD: 1.8213

Significant IUs – non-categorical:

Number of IUs: 5

Average Daily Flows, in MGD: 0.1864

Other IUs:

Number of IUs: 1630

Average Daily Flows, in MGD: 7.8718

B. Treatment plant interference

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

Yes ☐ No ☒

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

n/a

C. Treatment plant pass through

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

Yes ☐ No ☒

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

n/a

D. Pretreatment program

Does your POTW have an approved pretreatment program?

Yes ☒ No ☐

If yes, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

Yes ☐ No ☒

If yes, complete Section 2.c. and 2.d. only, and skip Section 3.

If no to either question above, skip Section 2 and complete Section 3 for each significant industrial user and categorical industrial user.

Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 100)

A. Substantial modifications

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

Yes ☐ No ☒

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

n/a

B. Non-substantial modifications

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

Yes ☐ No ☒

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

n/a

C. Effluent parameters above the MAL

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

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date
n/a				

D. Industrial user interruptions

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

Yes ☐ No ☒

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

n/a

Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 100)

A. General information

Company Name: Click here to enter text.

SIC Code: Click here to enter text.

Telephone number: Click here to enter text. Fax number: Click here to enter text.

Contact name: Click here to enter text.

Address: Click here to enter text.

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

B. Process information

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

Click here to enter text.

C. Product and service information

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

Click here to enter text.

D. Flow rate information

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

Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the instructions?

Yes ☐ No ☐

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

Yes ☐ No ☐

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

Category: Click here to enter text.
Subcategories: Click here to enter text.

Category: Click here to enter text.
Subcategories: Click here to enter text.

Category: Click here to enter text.
Subcategories: Click here to enter text.

Category: Click here to enter text.
Subcategories: Click here to enter text.

Category: Click here to enter text.
Subcategories: Click here to enter text.

F. Industrial user interruptions

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

Yes ☐ No ☐

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

Click here to enter text

ATTACHMENT 5

TREATMENT UNITS

CITY OF AUSTIN | AUSTIN WATER
SOUTH AUSTIN REGIONAL WASTEWATER TREATMENT PLANT
TPDES Permit No. WQ0010543012
PERMIT RENEWAL APPLICATION

ATTACHMENT NO. 5

Treatment Units

Technical Report 1.0, Section 2.B

Trains A & B		
Treatment Unit Type	**Number of Units Each Train**	**Dimensions (L x W D)**
Mechanical Bar Screen	2	6 ft wide
Aerated Grit Chambers	4	24 ft x 40 ft x 14 ft
Primary Clarifiers	2	140 ft diameter x 12 ft
Flow Equalization Basins	2	160 ft diameter x 14 ft
Aeration Basin	8	132 ft x 32 ft x 21 ft
Secondary Clarifiers	4	120 ft x 12 ft
Chlorine Contact Basins	2	75 ft diameter x 12 ft

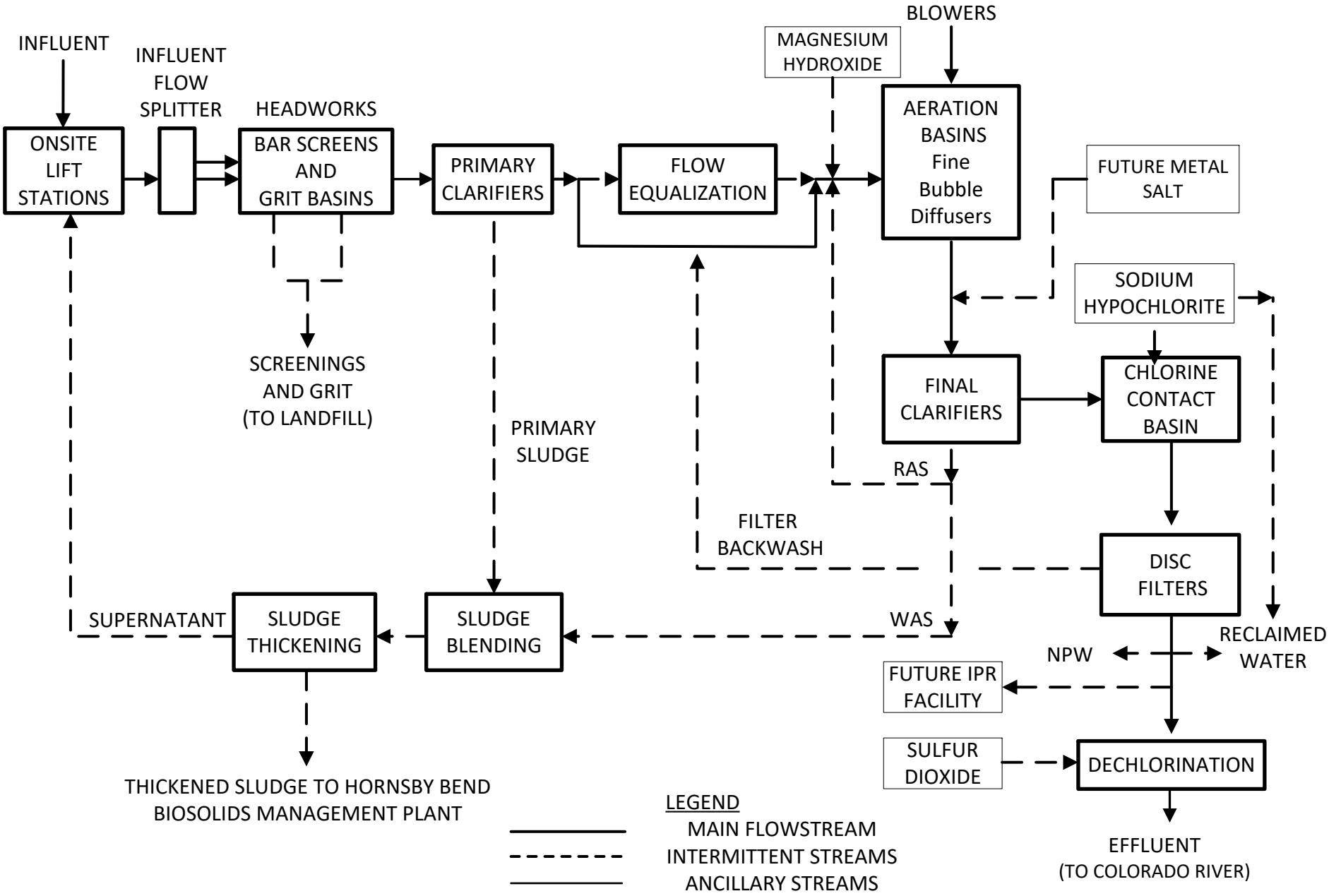
Train C		
Treatment Unit Type	**Number of Units**	**Dimensions (L x W D)**
Mechanical Bar Screen	2	6 ft wide
Vortex Grit Basins	2	20 ft diameter x 21 ft
Primary Clarifiers	2	140 ft diameter x 12 ft
Flow Equalization Basins	2	135 ft x 135 ft x 20 ft
Aeration Basin	6	162 ft x 40 ft x 21 ft
Secondary Clarifiers	4	120 ft x 16 ft
Chlorine Contact Basin	1	130 ft x 106 ft x 12 ft

Common to Trains A, B & C		
Treatment Unit Type	**Number of Units**	**Dimensions (L x W D)**
Cloth Disk Filters	24	36 ft x 29 ft x 21.5 ft
Sludge Gravity Thickeners	4	50 ft diameter x 12 ft

ATTACHMENT 6

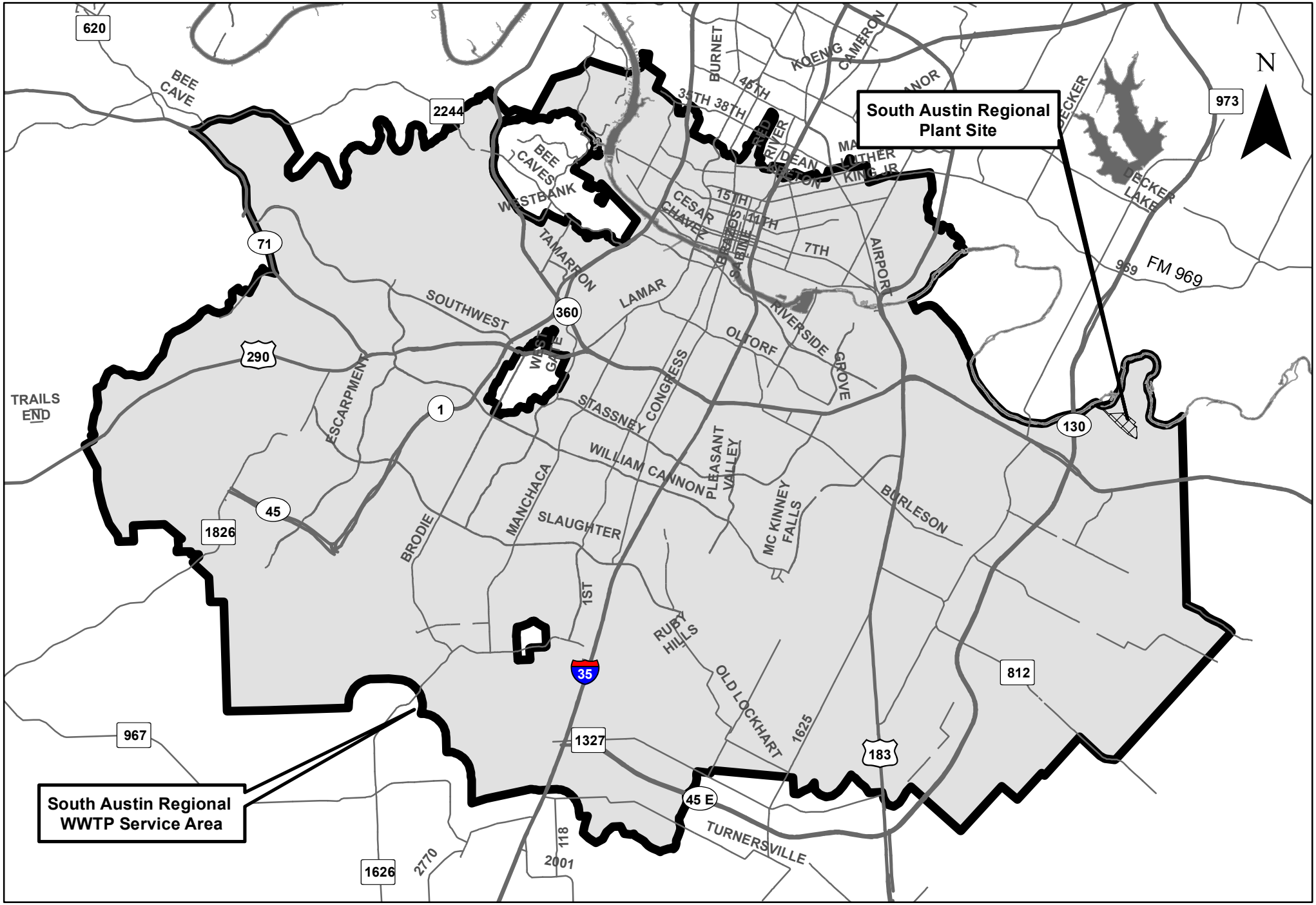
PROCESS FLOW DIAGRAM

CITY OF AUSTIN | AUSTIN WATER
SOUTH AUSTIN REGIONAL WASTEWATER TREATMENT PLANT
TPDES Permit No. WQ0010543012
Process Flow Diagram



ATTACHMENT 7

SITE DIAGRAM



SOUTH AUSTIN REGIONAL
WASTEWATER TREATMENT PLANT
ATTACHMENT 7
SITE DRAWING
TECHNICAL REPORT 1.0, SECTION 3

ATTACHMENT 8

LABORATORY ANALYSIS

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
CBOD SM 5210 B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47366201	06/01/2023	CBOD	<2	mg/L
47378601	06/02/2023	CBOD	<2	mg/L
47387201	06/03/2023	CBOD	<2	mg/L
47397801	06/04/2023	CBOD	<2	mg/L
47417001	06/05/2023	CBOD	<2	mg/L
47445401	06/06/2023	CBOD	<2	mg/L
47464001	06/07/2023	CBOD	<2	mg/L
47486314	06/08/2023	CBOD	<2	mg/L
47498707	06/09/2023	CBOD	2.1	mg/L
47504101	06/10/2023	CBOD	2.2	mg/L
47516401	06/11/2023	CBOD	<2	mg/L
47536701	06/12/2023	CBOD	<2	mg/L
47564101	06/13/2023	CBOD	<2	mg/L
47579001	06/14/2023	CBOD	<2	mg/L
47602301	06/15/2023	CBOD	<2	mg/L
47613707	06/16/2023	CBOD	<2	mg/L
47620801	06/17/2023	CBOD	<2	mg/L
47631201	06/18/2023	CBOD	<2	mg/L
47638101	06/19/2023	CBOD	<2	mg/L
47674401	06/20/2023	CBOD	<2	mg/L
47696601	06/21/2023	CBOD	<2	mg/L
47717901	06/22/2023	CBOD	<2	mg/L
47727607	06/23/2023	CBOD	<2	mg/L
47734707	06/24/2023	CBOD	<2	mg/L
47757101	06/25/2023	CBOD	<2	mg/L
47776701	06/26/2023	CBOD	<2	mg/L
47799501	06/27/2023	CBOD	<2	mg/L
47818401	06/28/2023	CBOD	<2	mg/L
47839701	06/29/2023	CBOD	<2	mg/L
47850301	06/30/2023	CBOD	<2	mg/L
47858101	07/01/2023	CBOD	<2	mg/L
47877901	07/02/2023	CBOD	<2	mg/L
47892501	07/03/2023	CBOD	<2	mg/L
47908901	07/04/2023	CBOD	<2	mg/L
47929801	07/05/2023	CBOD	<2	mg/L
47946301	07/06/2023	CBOD	<2	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
CBOD SM 5210 B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47963301	07/07/2023	CBOD	<2	mg/L
47970701	07/08/2023	CBOD	<2	mg/L
47981101	07/09/2023	CBOD	<2	mg/L
48012501	07/10/2023	CBOD	<2	mg/L
48034801	07/11/2023	CBOD	<2	mg/L
48051701	07/12/2023	CBOD	<2	mg/L
48067201	07/13/2023	CBOD	<2	mg/L
48078501	07/14/2023	CBOD	<2	mg/L
48086601	07/15/2023	CBOD	<2	mg/L
48100201	07/16/2023	CBOD	<2	mg/L
48117301	07/17/2023	CBOD	<2	mg/L
48137401	07/18/2023	CBOD	<2	mg/L
48156001	07/19/2023	CBOD	<2	mg/L
48169801	07/20/2023	CBOD	<2	mg/L
48177301	07/21/2023	CBOD	<2	mg/L
48182901	07/22/2023	CBOD	<2	mg/L
48193701	07/23/2023	CBOD	<2	mg/L
48213601	07/24/2023	CBOD	<2	mg/L
48226601	07/25/2023	CBOD	<2	mg/L
48253701	07/26/2023	CBOD	<2	mg/L
48267901	07/27/2023	CBOD	<2	mg/L
48277201	07/28/2023	CBOD	<2	mg/L
48284601	07/29/2023	CBOD	<2	mg/L
48294310	07/30/2023	CBOD	<2	mg/L
48313701	07/31/2023	CBOD	<2	mg/L
48344801	08/01/2023	CBOD	<2	mg/L
48361601	08/02/2023	CBOD	<2	mg/L
48375301	08/03/2023	CBOD	<2	mg/L
48390106	08/04/2023	CBOD	<2	mg/L
48397401	08/05/2023	CBOD	<2	mg/L
48416601	08/06/2023	CBOD	<2	mg/L
48435501	08/07/2023	CBOD	<2	mg/L
48453001	08/08/2023	CBOD	<2	mg/L
48470001	08/09/2023	CBOD	<2	mg/L
48489501	08/10/2023	CBOD	<2	mg/L
48500301	08/11/2023	CBOD	<2	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
CBOD SM 5210 B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
48506901	08/12/2023	CBOD	<2	mg/L
48520901	08/13/2023	CBOD	<2	mg/L
48544801	08/14/2023	CBOD	<2	mg/L
48566301	08/15/2023	CBOD	<2	mg/L
48588601	08/16/2023	CBOD	<2	mg/L
48607101	08/17/2023	CBOD	<2	mg/L
48616907	08/18/2023	CBOD	<2	mg/L
48623401	08/19/2023	CBOD	<2	mg/L
48636401	08/20/2023	CBOD	<2	mg/L
48650001	08/21/2023	CBOD	<2	mg/L
48662501	08/22/2023	CBOD	<2	mg/L
48680701	08/23/2023	CBOD	<2	mg/L
48700301	08/24/2023	CBOD	<2	mg/L
48710907	08/25/2023	CBOD	<2	mg/L
48717507	08/26/2023	CBOD	<2	mg/L
48731501	08/27/2023	CBOD	<2	mg/L
48746901	08/28/2023	CBOD	<2	mg/L
48766201	08/29/2023	CBOD	<2	mg/L
48780301	08/30/2023	CBOD	<2	mg/L
48797301	08/31/2023	CBOD	<2	mg/L
48808501	09/01/2023	CBOD	<2	mg/L
48815101	09/02/2023	CBOD	<2	mg/L
48823901	09/03/2023	CBOD	<2	mg/L
48833301	09/04/2023	CBOD	<2	mg/L
48873401	09/05/2023	CBOD	<2	mg/L
48893701	09/06/2023	CBOD	<2	mg/L
48915101	09/07/2023	CBOD	<2	mg/L
48925207	09/08/2023	CBOD	<2	mg/L
48933001	09/09/2023	CBOD	<2	mg/L
48942201	09/10/2023	CBOD	<2	mg/L
48975101	09/11/2023	CBOD	<2	mg/L
48995201	09/12/2023	CBOD	<2	mg/L
49009701	09/13/2023	CBOD	<2	mg/L
49024301	09/14/2023	CBOD	<2	mg/L
49035101	09/15/2023	CBOD	<2	mg/L
49042201	09/16/2023	CBOD	<2	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
CBOD SM 5210 B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
49054901	09/17/2023	CBOD	<2	mg/L
49071501	09/18/2023	CBOD	<2	mg/L
49088101	09/19/2023	CBOD	<2	mg/L
49116010	09/20/2023	CBOD	<2	mg/L
49134701	09/21/2023	CBOD	<2	mg/L
49145001	09/22/2023	CBOD	<2	mg/L
49153301	09/23/2023	CBOD	<2	mg/L
49167901	09/24/2023	CBOD	<2	mg/L
49184701	09/25/2023	CBOD	<2	mg/L
49204201	09/26/2023	CBOD	<2	mg/L
49220401	09/27/2023	CBOD	<2	mg/L
49235601	09/28/2023	CBOD	<2	mg/L
49245101	09/29/2023	CBOD	2.4	mg/L
49252701	09/30/2023	CBOD	2.4	mg/L
49275501	10/01/2023	CBOD	<2	mg/L
49300101	10/02/2023	CBOD	<2	mg/L
49323501	10/03/2023	CBOD	<2	mg/L
49344501	10/04/2023	CBOD	<2	mg/L
49360001	10/05/2023	CBOD	<2	mg/L
49375207	10/06/2023	CBOD	<2	mg/L
49382501	10/07/2023	CBOD	<2	mg/L
49391001	10/08/2023	CBOD	<2	mg/L
49425301	10/09/2023	CBOD	<2	mg/L
49454201	10/10/2023	CBOD	<2	mg/L
49472701	10/11/2023	CBOD	<2	mg/L
49498001	10/12/2023	CBOD	<2	mg/L
49508101	10/13/2023	CBOD	<2	mg/L
49518101	10/14/2023	CBOD	<2	mg/L
49522301	10/15/2023	CBOD	<2	mg/L
49552701	10/16/2023	CBOD	<2	mg/L
49578601	10/17/2023	CBOD	<2	mg/L
49596801	10/18/2023	CBOD	<2	mg/L
49615001	10/19/2023	CBOD	<2	mg/L
49628607	10/20/2023	CBOD	<2	mg/L
49635201	10/21/2023	CBOD	<2	mg/L
49653401	10/22/2023	CBOD	<2	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
CBOD SM 5210 B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
49673101	10/23/2023	CBOD	<2	mg/L
49695101	10/24/2023	CBOD	<2	mg/L
49715301	10/25/2023	CBOD	<2	mg/L
49735101	10/26/2023	CBOD	<2	mg/L
49746501	10/27/2023	CBOD	<2	mg/L
49754501	10/28/2023	CBOD	<2	mg/L
49770201	10/29/2023	CBOD	<2	mg/L
49784701	10/30/2023	CBOD	<2	mg/L
49805701	10/31/2023	CBOD	<2	mg/L
49824801	11/01/2023	CBOD	<2	mg/L
49850401	11/02/2023	CBOD	<2	mg/L
49861707	11/03/2023	CBOD	<2	mg/L
49868307	11/04/2023	CBOD	<2	mg/L
49887001	11/05/2023	CBOD	<2	mg/L
49903601	11/06/2023	CBOD	<2	mg/L
49928301	11/07/2023	CBOD	<2	mg/L
49953501	11/08/2023	CBOD	<2	mg/L
49975001	11/10/2023	CBOD	<2	mg/L
49984001	11/11/2023	CBOD	<2	mg/L
49993301	11/12/2023	CBOD	<2	mg/L
50013301	11/13/2023	CBOD	<2	mg/L
50035501	11/14/2023	CBOD	<2	mg/L
50056501	11/15/2023	CBOD	<2	mg/L
50075801	11/16/2023	CBOD	<2	mg/L
50086201	11/17/2023	CBOD	<2	mg/L
50094401	11/18/2023	CBOD	<2	mg/L
50109101	11/19/2023	CBOD	<2	mg/L
50129701	11/20/2023	CBOD	<2	mg/L
50151601	11/21/2023	CBOD	2.1	mg/L
50164910	11/22/2023	CBOD	<2	mg/L
50172210	11/23/2023	CBOD	<2	mg/L
50177707	11/24/2023	CBOD	<2	mg/L
50182907	11/25/2023	CBOD	<2	mg/L
50198301	11/26/2023	CBOD	<2	mg/L
50208501	11/27/2023	CBOD	<2	mg/L
50232201	11/28/2023	CBOD	<2	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
CBOD SM 5210 B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
50250710	11/29/2023	CBOD	<2	mg/L
50265501	11/30/2023	CBOD	<2	mg/L
50276501	12/01/2023	CBOD	<2	mg/L
50283401	12/02/2023	CBOD	2.3	mg/L
50302501	12/03/2023	CBOD	2	mg/L
50320801	12/04/2023	CBOD	<2	mg/L
50345501	12/05/2023	CBOD	2.1	mg/L
50363701	12/06/2023	CBOD	2.1	mg/L
50382701	12/07/2023	CBOD	2.3	mg/L
50393001	12/08/2023	CBOD	2.7	mg/L
50401001	12/09/2023	CBOD	<2	mg/L
50410814	12/10/2023	CBOD	2.1	mg/L
50430801	12/11/2023	CBOD	2.1	mg/L
50457801	12/12/2023	CBOD	2.4	mg/L
50475601	12/13/2023	CBOD	2.6	mg/L
50489801	12/14/2023	CBOD	2.3	mg/L
50503001	12/15/2023	CBOD	2.2	mg/L
50509901	12/16/2023	CBOD	2.1	mg/L
50520414	12/17/2023	CBOD	2	mg/L
50545101	12/18/2023	CBOD	2	mg/L
50568901	12/19/2023	CBOD	<2	mg/L
50587201	12/20/2023	CBOD	<2	mg/L
50602001	12/21/2023	CBOD	<2	mg/L
50624601	12/24/2023	CBOD	<2	mg/L
50632501	12/25/2023	CBOD	<2	mg/L
50641901	12/26/2023	CBOD	<2	mg/L
50662901	12/27/2023	CBOD	<2	mg/L
50678501	12/28/2023	CBOD	<2	mg/L
50690501	12/29/2023	CBOD	<2	mg/L
50699101	12/30/2023	CBOD	<2	mg/L
50710101	12/31/2023	CBOD	<2	mg/L
50718101	01/01/2024	CBOD	<2	mg/L
50743201	01/02/2024	CBOD	<2	mg/L
50759810	01/03/2024	CBOD	<2	mg/L
50777901	01/04/2024	CBOD	2.4	mg/L
50787401	01/05/2024	CBOD	<2	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
CBOD SM 5210 B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
50794001	01/06/2024	CBOD	<2	mg/L
50807101	01/07/2024	CBOD	<2	mg/L
50821010	01/08/2024	CBOD	<2	mg/L
50850701	01/09/2024	CBOD	<2	mg/L
50881201	01/10/2024	CBOD	2	mg/L
50909401	01/11/2024	CBOD	2	mg/L
50918601	01/12/2024	CBOD	2.2	mg/L
50925701	01/13/2024	CBOD	<2	mg/L
50935401	01/14/2024	CBOD	2.2	mg/L
50938301	01/15/2024	CBOD	<2	mg/L
50965201	01/16/2024	CBOD	<2	mg/L
50982410	01/17/2024	CBOD	<2	mg/L
51005501	01/18/2024	CBOD	2.1	mg/L
51015701	01/19/2024	CBOD	2.2	mg/L
51022001	01/20/2024	CBOD	2.2	mg/L
51027801	01/21/2024	CBOD	2.2	mg/L
51047701	01/22/2024	CBOD	2.7	mg/L
51066801	01/23/2024	CBOD	2.8	mg/L
51086501	01/24/2024	CBOD	2	mg/L
51100701	01/25/2024	CBOD	2.7	mg/L
51109706	01/26/2024	CBOD	3.3	mg/L
51115607	01/27/2024	CBOD	2.1	mg/L
51131201	01/28/2024	CBOD	<2	mg/L
51148101	01/29/2024	CBOD	<2	mg/L
51169801	01/30/2024	CBOD	2.4	mg/L
51186001	01/31/2024	CBOD	2.8	mg/L
51203201	02/01/2024	CBOD	2.4	mg/L
51217801	02/02/2024	CBOD	2.6	mg/L
51458001	02/17/2024	CBOD	<2	mg/L
51465901	02/18/2024	CBOD	2	mg/L
51474301	02/19/2024	CBOD	2.2	mg/L
51491601	02/20/2024	CBOD	2	mg/L
51516501	02/21/2024	CBOD	2.1	mg/L
51532701	02/22/2024	CBOD	<2	mg/L
51543001	02/23/2024	CBOD	2.2	mg/L
51549601	02/24/2024	CBOD	2.2	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
CBOD SM 5210 B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
51562701	02/25/2024	CBOD	2	mg/L
51581301	02/26/2024	CBOD	2.3	mg/L
51602001	02/27/2024	CBOD	3.2	mg/L
51619001	02/28/2024	CBOD	2.3	mg/L
51633201	02/29/2024	CBOD	2.6	mg/L
51645901	03/01/2024	CBOD	2.7	mg/L
51653001	03/02/2024	CBOD	2.9	mg/L
51662901	03/03/2024	CBOD	2.8	mg/L
51682001	03/04/2024	CBOD	3	mg/L
51704001	03/05/2024	CBOD	2.7	mg/L
51716701	03/06/2024	CBOD	2.4	mg/L
51730501	03/07/2024	CBOD	2.6	mg/L
51741401	03/08/2024	CBOD	2.1	mg/L
51747101	03/09/2024	CBOD	<2	mg/L
51761401	03/10/2024	CBOD	<2	mg/L
51784501	03/11/2024	CBOD	<2	mg/L
51806901	03/12/2024	CBOD	2.4	mg/L
51820001	03/13/2024	CBOD	<2	mg/L
51836401	03/14/2024	CBOD	<2	mg/L
51846501	03/15/2024	CBOD	<2	mg/L
51853301	03/16/2024	CBOD	<2	mg/L
51867701	03/17/2024	CBOD	2	mg/L
51888301	03/18/2024	CBOD	2.2	mg/L
51908801	03/19/2024	CBOD	2.7	mg/L
51936201	03/20/2024	CBOD	2.1	mg/L
51965701	03/22/2024	CBOD	2.4	mg/L
51972601	03/23/2024	CBOD	<2	mg/L
51990703	03/24/2024	CBOD	<2	mg/L
52013501	03/25/2024	CBOD	<2	mg/L
52069301	03/28/2024	CBOD	2.1	mg/L
52078601	03/29/2024	CBOD	2.2	mg/L
52124701	04/01/2024	CBOD	2	mg/L
52149001	04/02/2024	CBOD	2.3	mg/L
52172901	04/03/2024	CBOD	2.2	mg/L
52191701	04/04/2024	CBOD	2	mg/L
52205801	04/06/2024	CBOD	2.3	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
CBOD SM 5210 B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
52222101	04/07/2024	CBOD	2.3	mg/L
52232901	04/08/2024	CBOD	2.2	mg/L
52248101	04/09/2024	CBOD	<2	mg/L
52272201	04/10/2024	CBOD	<2	mg/L
52292101	04/11/2024	CBOD	<2	mg/L
52302807	04/12/2024	CBOD	<2	mg/L
52311307	04/13/2024	CBOD	<2	mg/L
52329501	04/14/2024	CBOD	<2	mg/L
52350201	04/15/2024	CBOD	<2	mg/L
52373401	04/16/2024	CBOD	<2	mg/L
52392801	04/17/2024	CBOD	<2	mg/L
52411601	04/18/2024	CBOD	<2	mg/L
52424101	04/19/2024	CBOD	<2	mg/L
52430701	04/20/2024	CBOD	<2	mg/L
52440201	04/21/2024	CBOD	2.1	mg/L
52458101	04/22/2024	CBOD	<2	mg/L
52479801	04/23/2024	CBOD	<2	mg/L
52498801	04/24/2024	CBOD	<2	mg/L
52512901	04/25/2024	CBOD	<2	mg/L
52524001	04/26/2024	CBOD	<2	mg/L
52531501	04/27/2024	CBOD	<2	mg/L
52547001	04/28/2024	CBOD	<2	mg/L
52560701	04/29/2024	CBOD	<2	mg/L
52577201	04/30/2024	CBOD	<2	mg/L
52590701	05/01/2024	CBOD	2.1	mg/L

Average Concentration= 2.1
Maximum= 3.3
# of samples= 313
Sample Type= Composite

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
TCEQ Permit -WQ0010543012
Application for Domestic WWTP

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Total Suspended Soilds SM 2540 D

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47366201	06/01/2023	TSS	1.1	mg/L
47378601	06/02/2023	TSS	1.7	mg/L
47387201	06/03/2023	TSS	1	mg/L
47397801	06/04/2023	TSS	1.4	mg/L
47417001	06/05/2023	TSS	1.2	mg/L
47445401	06/06/2023	TSS	1	mg/L
47464001	06/07/2023	TSS	1.5	mg/L
47486314	06/08/2023	TSS	0.9	mg/L
47498707	06/09/2023	TSS	1.1	mg/L
47504101	06/10/2023	TSS	0.8	mg/L
47516401	06/11/2023	TSS	0.7	mg/L
47536701	06/12/2023	TSS	0.7	mg/L
47564101	06/13/2023	TSS	0.7	mg/L
47579001	06/14/2023	TSS	0.7	mg/L
47602301	06/15/2023	TSS	1	mg/L
47613707	06/16/2023	TSS	0.9	mg/L
47620801	06/17/2023	TSS	1	mg/L
47631201	06/18/2023	TSS	0.6	mg/L
47638101	06/19/2023	TSS	0.7	mg/L
47674401	06/20/2023	TSS	1	mg/L
47696601	06/21/2023	TSS	1.1	mg/L
47717901	06/22/2023	TSS	0.6	mg/L
47727607	06/23/2023	TSS	1.5	mg/L
47734707	06/24/2023	TSS	1.8	mg/L
47757101	06/25/2023	TSS	1.3	mg/L
47776701	06/26/2023	TSS	0.8	mg/L
47799501	06/27/2023	TSS	1	mg/L
47818401	06/28/2023	TSS	1.7	mg/L
47839701	06/29/2023	TSS	1.7	mg/L
47850301	06/30/2023	TSS	2.4	mg/L
47858101	07/01/2023	TSS	1.7	mg/L
47877901	07/02/2023	TSS	1.8	mg/L
47892501	07/03/2023	TSS	1.2	mg/L
47908901	07/04/2023	TSS	1.1	mg/L
47929801	07/05/2023	TSS	0.9	mg/L
47946301	07/06/2023	TSS	1	mg/L
47963301	07/07/2023	TSS	8.6	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Total Suspended Soilds SM 2540 D

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47970701	07/08/2023	TSS	0.6	mg/L
47981101	07/09/2023	TSS	0.9	mg/L
48012501	07/10/2023	TSS	1.4	mg/L
48034801	07/11/2023	TSS	0.9	mg/L
48051701	07/12/2023	TSS	1.1	mg/L
48067201	07/13/2023	TSS	1.5	mg/L
48078501	07/14/2023	TSS	0.9	mg/L
48086601	07/15/2023	TSS	0.8	mg/L
48100201	07/16/2023	TSS	0.9	mg/L
48117301	07/17/2023	TSS	0.8	mg/L
48137401	07/18/2023	TSS	0.6	mg/L
48156001	07/19/2023	TSS	<0.50	mg/L
48169801	07/20/2023	TSS	0.6	mg/L
48177301	07/21/2023	TSS	0.5	mg/L
48182901	07/22/2023	TSS	0.8	mg/L
48193701	07/23/2023	TSS	0.9	mg/L
48213601	07/24/2023	TSS	0.8	mg/L
48226601	07/25/2023	TSS	0.9	mg/L
48253701	07/26/2023	TSS	1.3	mg/L
48267901	07/27/2023	TSS	0.6	mg/L
48277201	07/28/2023	TSS	0.7	mg/L
48284601	07/29/2023	TSS	0.9	mg/L
48294310	07/30/2023	TSS	0.9	mg/L
48313701	07/31/2023	TSS	0.7	mg/L
48344801	08/01/2023	TSS	1.4	mg/L
48361601	08/02/2023	TSS	0.7	mg/L
48375301	08/03/2023	TSS	0.9	mg/L
48390106	08/04/2023	TSS	0.6	mg/L
48397401	08/05/2023	TSS	0.8	mg/L
48416601	08/06/2023	TSS	3.2	mg/L
48435501	08/07/2023	TSS	0.5	mg/L
48453001	08/08/2023	TSS	0.9	mg/L
48470001	08/09/2023	TSS	0.5	mg/L
48489501	08/10/2023	TSS	1.1	mg/L
48500301	08/11/2023	TSS	<0.50	mg/L
48506901	08/12/2023	TSS	0.6	mg/L
48520901	08/13/2023	TSS	0.6	mg/L

Austin Water Laboratory-Environmental Analytical Services
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Total Suspended Soilds SM 2540 D

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
48544801	08/14/2023	TSS	0.8	mg/L
48566301	08/15/2023	TSS	0.8	mg/L
48588601	08/16/2023	TSS	0.8	mg/L
48607101	08/17/2023	TSS	1.4	mg/L
48616907	08/18/2023	TSS	1.1	mg/L
48623401	08/19/2023	TSS	0.9	mg/L
48636401	08/20/2023	TSS	0.7	mg/L
48650001	08/21/2023	TSS	0.8	mg/L
48662501	08/22/2023	TSS	0.8	mg/L
48680701	08/23/2023	TSS	0.7	mg/L
48700301	08/24/2023	TSS	0.9	mg/L
48710907	08/25/2023	TSS	1.4	mg/L
48717507	08/26/2023	TSS	1.5	mg/L
48731501	08/27/2023	TSS	0.8	mg/L
48746901	08/28/2023	TSS	1.4	mg/L
48766201	08/29/2023	TSS	0.9	mg/L
48780301	08/30/2023	TSS	0.8	mg/L
48797301	08/31/2023	TSS	0.9	mg/L
48808501	09/01/2023	TSS	1	mg/L
48815101	09/02/2023	TSS	0.9	mg/L
48823901	09/03/2023	TSS	1.1	mg/L
48833301	09/04/2023	TSS	1.4	mg/L
48873401	09/05/2023	TSS	1.4	mg/L
48893701	09/06/2023	TSS	1.0	mg/L
48915101	09/07/2023	TSS	1.2	mg/L
48925207	09/08/2023	TSS	0.6	mg/L
48933001	09/09/2023	TSS	1.0	mg/L
48942201	09/10/2023	TSS	0.9	mg/L
48975101	09/11/2023	TSS	1.4	mg/L
48995201	09/12/2023	TSS	0.8	mg/L
49009701	09/13/2023	TSS	0.8	mg/L
49024301	09/14/2023	TSS	1.2	mg/L
49035101	09/15/2023	TSS	0.9	mg/L
49042201	09/16/2023	TSS	0.9	mg/L
49054901	09/17/2023	TSS	<0.50	mg/L
49071501	09/18/2023	TSS	0.7	mg/L
49088101	09/19/2023	TSS	0.9	mg/L

Austin Water Laboratory-Environmental Analytical Services
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Total Suspended Soilds SM 2540 D

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
49116010	09/20/2023	TSS	0.7	mg/L
49134701	09/21/2023	TSS	1.1	mg/L
49145001	09/22/2023	TSS	1.1	mg/L
49153301	09/23/2023	TSS	1.1	mg/L
49167901	09/24/2023	TSS	0.8	mg/L
49184701	09/25/2023	TSS	0.7	mg/L
49204201	09/26/2023	TSS	0.5	mg/L
49220401	09/27/2023	TSS	1.0	mg/L
49235601	09/28/2023	TSS	0.6	mg/L
49245101	09/29/2023	TSS	0.7	mg/L
49252701	09/30/2023	TSS	0.9	mg/L
49275501	10/01/2023	TSS	0.8	mg/L
49300101	10/02/2023	TSS	1.1	mg/L
49323501	10/03/2023	TSS	1.5	mg/L
49344501	10/04/2023	TSS	1.2	mg/L
49360001	10/05/2023	TSS	1.2	mg/L
49375207	10/06/2023	TSS	1.3	mg/L
49382501	10/07/2023	TSS	0.8	mg/L
49391001	10/08/2023	TSS	0.7	mg/L
49425301	10/09/2023	TSS	0.8	mg/L
49454201	10/10/2023	TSS	0.8	mg/L
49472701	10/11/2023	TSS	1.3	mg/L
49498001	10/12/2023	TSS	1.3	mg/L
49508101	10/13/2023	TSS	1.1	mg/L
49518101	10/14/2023	TSS	1.3	mg/L
49522301	10/15/2023	TSS	1.0	mg/L
49552701	10/16/2023	TSS	1.1	mg/L
49578601	10/17/2023	TSS	1.2	mg/L
49596801	10/18/2023	TSS	1.1	mg/L
49615001	10/19/2023	TSS	1.1	mg/L
49628607	10/20/2023	TSS	1.0	mg/L
49635201	10/21/2023	TSS	0.9	mg/L
49653401	10/22/2023	TSS	1.2	mg/L
49673101	10/23/2023	TSS	1.5	mg/L
49695101	10/24/2023	TSS	0.8	mg/L
49715301	10/25/2023	TSS	0.9	mg/L
49735101	10/26/2023	TSS	1.1	mg/L

Austin Water Laboratory-Environmental Analytical Services
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Total Suspended Soilds SM 2540 D

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
49746501	10/27/2023	TSS	1.1	mg/L
49754501	10/28/2023	TSS	1.0	mg/L
49770201	10/29/2023	TSS	1.0	mg/L
49784701	10/30/2023	TSS	0.7	mg/L
49805701	10/31/2023	TSS	1.0	mg/L
49824801	11/01/2023	TSS	1.3	mg/L
49850401	11/02/2023	TSS	1.1	mg/L
49861707	11/03/2023	TSS	0.9	mg/L
49868307	11/04/2023	TSS	1.4	mg/L
49887001	11/05/2023	TSS	1.1	mg/L
49903601	11/06/2023	TSS	0.7	mg/L
49928301	11/07/2023	TSS	1.0	mg/L
49953501	11/08/2023	TSS	<0.50	mg/L
49968801	11/09/2023	TSS	0.7	mg/L
49975001	11/10/2023	TSS	0.6	mg/L
49984001	11/11/2023	TSS	0.6	mg/L
49993301	11/12/2023	TSS	0.8	mg/L
50013301	11/13/2023	TSS	1.4	mg/L
50035501	11/14/2023	TSS	2.3	mg/L
50056501	11/15/2023	TSS	1.2	mg/L
50075801	11/16/2023	TSS	1.1	mg/L
50086201	11/17/2023	TSS	1.3	mg/L
50094401	11/18/2023	TSS	1.3	mg/L
50109101	11/19/2023	TSS	1.1	mg/L
50129701	11/20/2023	TSS	1.2	mg/L
50151601	11/21/2023	TSS	0.7	mg/L
50164910	11/22/2023	TSS	1.6	mg/L
50172210	11/23/2023	TSS	1.5	mg/L
50177707	11/24/2023	TSS	0.8	mg/L
50182907	11/25/2023	TSS	1.0	mg/L
50198301	11/26/2023	TSS	1.1	mg/L
50208501	11/27/2023	TSS	0.9	mg/L
50232201	11/28/2023	TSS	1.1	mg/L
50250710	11/29/2023	TSS	1.1	mg/L
50265501	11/30/2023	TSS	1.3	mg/L
50276501	12/01/2023	TSS	1.1	mg/L
50283401	12/02/2023	TSS	1.7	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Total Suspended Soilds SM 2540 D

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
50302501	12/03/2023	TSS	1.2	mg/L
50320801	12/04/2023	TSS	1.4	mg/L
50345501	12/05/2023	TSS	1.7	mg/L
50363701	12/06/2023	TSS	1.8	mg/L
50382701	12/07/2023	TSS	1.7	mg/L
50393001	12/08/2023	TSS	2.5	mg/L
50401001	12/09/2023	TSS	1.7	mg/L
50410814	12/10/2023	TSS	1.3	mg/L
50430801	12/11/2023	TSS	1.2	mg/L
50457801	12/12/2023	TSS	1.5	mg/L
50475601	12/13/2023	TSS	2.5	mg/L
50489801	12/14/2023	TSS	2.1	mg/L
50503001	12/15/2023	TSS	1.7	mg/L
50509901	12/16/2023	TSS	2	mg/L
50520414	12/17/2023	TSS	1.5	mg/L
50545101	12/18/2023	TSS	2	mg/L
50568901	12/19/2023	TSS	1.6	mg/L
50587201	12/20/2023	TSS	1.4	mg/L
50602001	12/21/2023	TSS	0.9	mg/L
50610707	12/22/2023	TSS	1	mg/L
50617607	12/23/2023	TSS	0.8	mg/L
50624601	12/24/2023	TSS	1	mg/L
50632501	12/25/2023	TSS	1.4	mg/L
50641901	12/26/2023	TSS	1.2	mg/L
50662901	12/27/2023	TSS	0.9	mg/L
50678501	12/28/2023	TSS	1	mg/L
50690501	12/29/2023	TSS	0.9	mg/L
50699101	12/30/2023	TSS	1	mg/L
50710101	12/31/2023	TSS	0.8	mg/L
50718101	01/01/2024	TSS	<0.50	mg/L
50743201	01/02/2024	TSS	0.8	mg/L
50759810	01/03/2024	TSS	1	mg/L
50777901	01/04/2024	TSS	1.8	mg/L
50787401	01/05/2024	TSS	1.1	mg/L
50794001	01/06/2024	TSS	0.6	mg/L
50807101	01/07/2024	TSS	0.7	mg/L
50821010	01/08/2024	TSS	0.9	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Total Suspended Soilds SM 2540 D

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
50850701	01/09/2024	TSS	1.1	mg/L
50881201	01/10/2024	TSS	1.1	mg/L
50909401	01/11/2024	TSS	1.4	mg/L
50918601	01/12/2024	TSS	1.5	mg/L
50925701	01/13/2024	TSS	0.9	mg/L
50935401	01/14/2024	TSS	1.3	mg/L
50938301	01/15/2024	TSS	1.2	mg/L
50965201	01/16/2024	TSS	0.8	mg/L
50982410	01/17/2024	TSS	0.9	mg/L
51005501	01/18/2024	TSS	1.2	mg/L
51015701	01/19/2024	TSS	1.7	mg/L
51022001	01/20/2024	TSS	1.9	mg/L
51027801	01/21/2024	TSS	1.4	mg/L
51047701	01/22/2024	TSS	2.7	mg/L
51066801	01/23/2024	TSS	3.1	mg/L
51086501	01/24/2024	TSS	1	mg/L
51100701	01/25/2024	TSS	2.1	mg/L
51109706	01/26/2024	TSS	3.7	mg/L
51115607	01/27/2024	TSS	1.3	mg/L
51131201	01/28/2024	TSS	1.2	mg/L
51148101	01/29/2024	TSS	1	mg/L
51169801	01/30/2024	TSS	1.3	mg/L
51186001	01/31/2024	TSS	1.3	mg/L
51203201	02/01/2024	TSS	1.1	mg/L
51217801	02/02/2024	TSS	0.8	mg/L
51224401	02/03/2024	TSS	0.9	mg/L
51231601	02/04/2024	TSS	0.8	mg/L
51255901	02/05/2024	TSS	1	mg/L
51283401	02/06/2024	TSS	1.4	mg/L
51307701	02/07/2024	TSS	0.9	mg/L
51323801	02/08/2024	TSS	1	mg/L
51335501	02/09/2024	TSS	1.5	mg/L
51345601	02/10/2024	TSS	1.3	mg/L
51351501	02/11/2024	TSS	1.1	mg/L
51372301	02/12/2024	TSS	1.3	mg/L
51400801	02/13/2024	TSS	1.3	mg/L
51421401	02/14/2024	TSS	1.6	mg/L

Austin Water Laboratory-Environmental Analytical Services
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Pollutant Analysis of Treated Effluent
Total Suspended Soilds SM 2540 D

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
51433701	02/15/2024	TSS	1.5	mg/L
51448901	02/16/2024	TSS	1.8	mg/L
51458001	02/17/2024	TSS	1.9	mg/L
51465901	02/18/2024	TSS	1.3	mg/L
51474301	02/19/2024	TSS	1.6	mg/L
51491601	02/20/2024	TSS	1.5	mg/L
51516501	02/21/2024	TSS	1.8	mg/L
51532701	02/22/2024	TSS	1.5	mg/L
51543001	02/23/2024	TSS	1.4	mg/L
51549601	02/24/2024	TSS	1.3	mg/L
51562701	02/25/2024	TSS	1.4	mg/L
51581301	02/26/2024	TSS	2.2	mg/L
51602001	02/27/2024	TSS	2.4	mg/L
51619001	02/28/2024	TSS	1.5	mg/L
51633201	02/29/2024	TSS	1.9	mg/L
51645901	03/01/2024	TSS	2.2	mg/L
51653001	03/02/2024	TSS	3.1	mg/L
51662901	03/03/2024	TSS	1.9	mg/L
51682001	03/04/2024	TSS	2.2	mg/L
51704001	03/05/2024	TSS	1.8	mg/L
51716701	03/06/2024	TSS	1.5	mg/L
51730501	03/07/2024	TSS	1.5	mg/L
51741401	03/08/2024	TSS	1.4	mg/L
51747101	03/09/2024	TSS	1.6	mg/L
51761401	03/10/2024	TSS	1.4	mg/L
51784501	03/11/2024	TSS	1.2	mg/L
51806901	03/12/2024	TSS	1.9	mg/L
51820001	03/13/2024	TSS	1.3	mg/L
51836401	03/14/2024	TSS	1	mg/L
51846501	03/15/2024	TSS	0.8	mg/L
51853301	03/16/2024	TSS	1.4	mg/L
51867701	03/17/2024	TSS	1.2	mg/L
51888301	03/18/2024	TSS	1.7	mg/L
51908801	03/19/2024	TSS	1.9	mg/L
51936201	03/20/2024	TSS	1.5	mg/L
51955201	03/21/2024	TSS	1.1	mg/L
51965701	03/22/2024	TSS	1.6	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
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Total Suspended Soilds SM 2540 D

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
51972601	03/23/2024	TSS	0.9	mg/L
51990703	03/24/2024	TSS	1.2	mg/L
52013501	03/25/2024	TSS	2.4	mg/L
52029501	03/26/2024	TSS	1.3	mg/L
52048901	03/27/2024	TSS	1.4	mg/L
52069301	03/28/2024	TSS	1.2	mg/L
52078601	03/29/2024	TSS	1.2	mg/L
52085901	03/30/2024	TSS	3.2	mg/L
52101701	03/31/2024	TSS	1.2	mg/L
52124701	04/01/2024	TSS	1.1	mg/L
52149001	04/02/2024	TSS	1.2	mg/L
52172901	04/03/2024	TSS	1.5	mg/L
52191701	04/04/2024	TSS	1.7	mg/L
52200501	04/05/2024	TSS	1.5	mg/L
52205801	04/06/2024	TSS	1.8	mg/L
52222101	04/07/2024	TSS	1	mg/L
52232901	04/08/2024	TSS	1.4	mg/L
52248101	04/09/2024	TSS	1.3	mg/L
52272201	04/10/2024	TSS	1.3	mg/L
52292101	04/11/2024	TSS	1.1	mg/L
52302807	04/12/2024	TSS	0.9	mg/L
52311307	04/13/2024	TSS	0.8	mg/L
52329501	04/14/2024	TSS	1.4	mg/L
52350201	04/15/2024	TSS	1.2	mg/L
52373401	04/16/2024	TSS	0.8	mg/L
52392801	04/17/2024	TSS	1.1	mg/L
52411601	04/18/2024	TSS	1.1	mg/L
52424101	04/19/2024	TSS	1.1	mg/L
52430701	04/20/2024	TSS	0.8	mg/L
52440201	04/21/2024	TSS	0.9	mg/L
52458101	04/22/2024	TSS	0.7	mg/L
52479801	04/23/2024	TSS	1.2	mg/L
52498801	04/24/2024	TSS	1.2	mg/L
52512901	04/25/2024	TSS	1.4	mg/L
52524001	04/26/2024	TSS	1.1	mg/L
52531501	04/27/2024	TSS	1.2	mg/L
52547001	04/28/2024	TSS	1.1	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Total Suspended Soilds SM 2540 D

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
52560701	04/29/2024	TSS	1.1	mg/L
52577201	04/30/2024	TSS	2.8	mg/L
52577201	04/30/2024	TSS	2.8	mg/L
52590701	05/01/2024	TSS	1.5	mg/L

Average Concentration= 1.2
Maximum= 8.6
# of samples= 337
Sample Type= Composite

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
TCEQ Permit -WQ0010543012
Application for Domestic WWTP

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 stin, TX 78724
Pollutant Analysis of Treated Effluent
Ammonia SM 4500-NH3 D

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47366201	06/01/2023	NH3-N	<0.1	mg/L
47378601	06/02/2023	NH3-N	<0.1	mg/L
47387201	06/03/2023	NH3-N	<0.1	mg/L
47397801	06/04/2023	NH3-N	0.19	mg/L
47417001	06/05/2023	NH3-N	0.13	mg/L
47445401	06/06/2023	NH3-N	<0.1	mg/L
47464001	06/07/2023	NH3-N	<0.1	mg/L
47486314	06/08/2023	NH3-N	<0.1	mg/L
47498707	06/09/2023	NH3-N	<0.1	mg/L
47504101	06/10/2023	NH3-N	0.1	mg/L
47516401	06/11/2023	NH3-N	<0.1	mg/L
47536701	06/12/2023	NH3-N	<0.1	mg/L
47564101	06/13/2023	NH3-N	<0.1	mg/L
47579001	06/14/2023	NH3-N	0.36	mg/L
47602301	06/15/2023	NH3-N	0.53	mg/L
47613707	06/16/2023	NH3-N	<0.1	mg/L
47620801	06/17/2023	NH3-N	<0.1	mg/L
47631201	06/18/2023	NH3-N	<0.1	mg/L
47638101	06/19/2023	NH3-N	<0.1	mg/L
47674401	06/20/2023	NH3-N	<0.1	mg/L
47696601	06/21/2023	NH3-N	0.12	mg/L
47717901	06/22/2023	NH3-N	0.25	mg/L
47727607	06/23/2023	NH3-N	<0.1	mg/L
47734707	06/24/2023	NH3-N	<0.1	mg/L
47757101	06/25/2023	NH3-N	<0.1	mg/L
47776701	06/26/2023	NH3-N	<0.1	mg/L
47799501	06/27/2023	NH3-N	<0.1	mg/L
47818401	06/28/2023	NH3-N	<0.1	mg/L
47839701	06/29/2023	NH3-N	<0.1	mg/L
47850301	06/30/2023	NH3-N	0.12	mg/L
47858101	07/01/2023	NH3-N	0.16	mg/L
47877901	07/02/2023	NH3-N	<0.1	mg/L
47892501	07/03/2023	NH3-N	<0.1	mg/L
47908901	07/04/2023	NH3-N	<0.1	mg/L
47929801	07/05/2023	NH3-N	<0.1	mg/L
47946301	07/06/2023	NH3-N	<0.1	mg/L

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Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47963301	07/07/2023	NH3-N	<0.1	mg/L
47970701	07/08/2023	NH3-N	<0.1	mg/L
47981101	07/09/2023	NH3-N	<0.1	mg/L
48012501	07/10/2023	NH3-N	<0.1	mg/L
48034801	07/11/2023	NH3-N	<0.1	mg/L
48051701	07/12/2023	NH3-N	<0.1	mg/L
48067201	07/13/2023	NH3-N	<0.1	mg/L
48078501	07/14/2023	NH3-N	<0.1	mg/L
48086601	07/15/2023	NH3-N	<0.1	mg/L
48100201	07/16/2023	NH3-N	<0.1	mg/L
48117301	07/17/2023	NH3-N	<0.1	mg/L
48137401	07/18/2023	NH3-N	<0.1	mg/L
48156001	07/19/2023	NH3-N	<0.1	mg/L
48169801	07/20/2023	NH3-N	<0.1	mg/L
48177301	07/21/2023	NH3-N	<0.1	mg/L
48182901	07/22/2023	NH3-N	<0.1	mg/L
48193701	07/23/2023	NH3-N	<0.1	mg/L
48213601	07/24/2023	NH3-N	<0.1	mg/L
48226601	07/25/2023	NH3-N	<0.1	mg/L
48253701	07/26/2023	NH3-N	<0.1	mg/L
48267901	07/27/2023	NH3-N	<0.1	mg/L
48277201	07/28/2023	NH3-N	<0.1	mg/L
48284601	07/29/2023	NH3-N	<0.1	mg/L
48294310	07/30/2023	NH3-N	0.22	mg/L
48313701	07/31/2023	NH3-N	0.5	mg/L
48344801	08/01/2023	NH3-N	0.54	mg/L
48361601	08/02/2023	NH3-N	<0.1	mg/L
48375301	08/03/2023	NH3-N	0.4	mg/L
48390106	08/04/2023	NH3-N	0.18	mg/L
48397401	08/05/2023	NH3-N	0.1	mg/L
48416601	08/06/2023	NH3-N	0.3	mg/L
48435501	08/07/2023	NH3-N	<0.1	mg/L
48453001	08/08/2023	NH3-N	0.12	mg/L
48470001	08/09/2023	NH3-N	<0.1	mg/L
48489501	08/10/2023	NH3-N	<0.1	mg/L
48500301	08/11/2023	NH3-N	<0.1	mg/L

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Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
48506901	08/12/2023	NH3-N	<0.1	mg/L
48520901	08/13/2023	NH3-N	<0.1	mg/L
48544801	08/14/2023	NH3-N	<0.1	mg/L
48566301	08/15/2023	NH3-N	<0.1	mg/L
48588601	08/16/2023	NH3-N	<0.1	mg/L
48607101	08/17/2023	NH3-N	0.13	mg/L
48616907	08/18/2023	NH3-N	<0.1	mg/L
48623401	08/19/2023	NH3-N	0.59	mg/L
48636401	08/20/2023	NH3-N	0.48	mg/L
48650001	08/21/2023	NH3-N	0.26	mg/L
48662501	08/22/2023	NH3-N	<0.1	mg/L
48680701	08/23/2023	NH3-N	0.15	mg/L
48700301	08/24/2023	NH3-N	0.11	mg/L
48710907	08/25/2023	NH3-N	<0.1	mg/L
48717507	08/26/2023	NH3-N	<0.1	mg/L
48731501	08/27/2023	NH3-N	0.15	mg/L
48746901	08/28/2023	NH3-N	0.14	mg/L
48766201	08/29/2023	NH3-N	0.2	mg/L
48780301	08/30/2023	NH3-N	0.44	mg/L
48797301	08/31/2023	NH3-N	0.71	mg/L
48808501	09/01/2023	NH3-N	0.59	mg/L
48815101	09/02/2023	NH3-N	0.98	mg/L
48823901	09/03/2023	NH3-N	0.94	mg/L
48833301	09/04/2023	NH3-N	0.14	mg/L
48873401	09/05/2023	NH3-N	0.11	mg/L
48893701	09/06/2023	NH3-N	0.2	mg/L
48915101	09/07/2023	NH3-N	0.89	mg/L
48925207	09/08/2023	NH3-N	1.05	mg/L
48933001	09/09/2023	NH3-N	0.63	mg/L
48942201	09/10/2023	NH3-N	3.56	mg/L
48975101	09/11/2023	NH3-N	1.76	mg/L
48995201	09/12/2023	NH3-N	0.6	mg/L
49009701	09/13/2023	NH3-N	0.44	mg/L
49024301	09/14/2023	NH3-N	0.17	mg/L
49035101	09/15/2023	NH3-N	0.37	mg/L
49042201	09/16/2023	NH3-N	<0.1	mg/L

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Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
49054901	09/17/2023	NH3-N	0.13	mg/L
49071501	09/18/2023	NH3-N	0.57	mg/L
49088101	09/19/2023	NH3-N	0.42	mg/L
49116010	09/20/2023	NH3-N	0.17	mg/L
49134701	09/21/2023	NH3-N	0.13	mg/L
49145001	09/22/2023	NH3-N	0.24	mg/L
49153301	09/23/2023	NH3-N	<0.1	mg/L
49167901	09/24/2023	NH3-N	<0.1	mg/L
49184701	09/25/2023	NH3-N	<0.1	mg/L
49204201	09/26/2023	NH3-N	0.35	mg/L
49220401	09/27/2023	NH3-N	0.7	mg/L
49235601	09/28/2023	NH3-N	0.26	mg/L
49245101	09/29/2023	NH3-N	<0.1	mg/L
49252701	09/30/2023	NH3-N	<0.1	mg/L
49275501	10/01/2023	NH3-N	0.11	mg/L
49300101	10/02/2023	NH3-N	0.42	mg/L
49323501	10/03/2023	NH3-N	0.31	mg/L
49344501	10/04/2023	NH3-N	0.15	mg/L
49360001	10/05/2023	NH3-N	0.46	mg/L
49375207	10/06/2023	NH3-N	0.42	mg/L
49382501	10/07/2023	NH3-N	0.18	mg/L
49391001	10/08/2023	NH3-N	0.15	mg/L
49425301	10/09/2023	NH3-N	0.1	mg/L
49454201	10/10/2023	NH3-N	0.2	mg/L
49472701	10/11/2023	NH3-N	0.33	mg/L
49498001	10/12/2023	NH3-N	0.24	mg/L
49508101	10/13/2023	NH3-N	0.14	mg/L
49518101	10/14/2023	NH3-N	0.13	mg/L
49522301	10/15/2023	NH3-N	<0.1	mg/L
49552701	10/16/2023	NH3-N	0.23	mg/L
49578601	10/17/2023	NH3-N	0.2	mg/L
49596801	10/18/2023	NH3-N	0.14	mg/L
49615001	10/19/2023	NH3-N	0.32	mg/L
49628607	10/20/2023	NH3-N	0.33	mg/L
49635201	10/21/2023	NH3-N	0.3	mg/L
49653401	10/22/2023	NH3-N	0.37	mg/L

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Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
49673101	10/23/2023	NH3-N	0.84	mg/L
49695101	10/24/2023	NH3-N	0.75	mg/L
49715301	10/25/2023	NH3-N	0.19	mg/L
49735101	10/26/2023	NH3-N	0.52	mg/L
49746501	10/27/2023	NH3-N	0.36	mg/L
49754501	10/28/2023	NH3-N	0.3	mg/L
49770201	10/29/2023	NH3-N	0.2	mg/L
49784701	10/30/2023	NH3-N	0.34	mg/L
49805701	10/31/2023	NH3-N	<0.1	mg/L
49824801	11/01/2023	NH3-N	<0.1	mg/L
49850401	11/02/2023	NH3-N	0.22	mg/L
49861707	11/03/2023	NH3-N	0.39	mg/L
49868307	11/04/2023	NH3-N	0.64	mg/L
49887001	11/05/2023	NH3-N	0.61	mg/L
49903601	11/06/2023	NH3-N	0.67	mg/L
49928301	11/07/2023	NH3-N	0.61	mg/L
49953501	11/08/2023	NH3-N	0.62	mg/L
49968801	11/09/2023	NH3-N	0.47	mg/L
49975001	11/10/2023	NH3-N	0.29	mg/L
49984001	11/11/2023	NH3-N	0.13	mg/L
49993301	11/12/2023	NH3-N	0.12	mg/L
50013301	11/13/2023	NH3-N	0.15	mg/L
50035501	11/14/2023	NH3-N	0.29	mg/L
50056501	11/15/2023	NH3-N	0.17	mg/L
50075801	11/16/2023	NH3-N	0.27	mg/L
50086201	11/17/2023	NH3-N	0.25	mg/L
50094401	11/18/2023	NH3-N	0.3	mg/L
50109101	11/19/2023	NH3-N	0.11	mg/L
50129701	11/20/2023	NH3-N	0.33	mg/L
50151601	11/21/2023	NH3-N	0.21	mg/L
50164910	11/22/2023	NH3-N	<0.1	mg/L
50172210	11/23/2023	NH3-N	0.26	mg/L
50177707	11/24/2023	NH3-N	<0.1	mg/L
50182907	11/25/2023	NH3-N	0.12	mg/L
50198301	11/26/2023	NH3-N	0.24	mg/L
50208501	11/27/2023	NH3-N	0.2	mg/L

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Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
50232201	11/28/2023	NH3-N	0.21	mg/L
50250710	11/29/2023	NH3-N	0.25	mg/L
50265501	11/30/2023	NH3-N	0.32	mg/L
50276501	12/01/2023	NH3-N	1.01	mg/L
50283401	12/02/2023	NH3-N	0.14	mg/L
50302501	12/03/2023	NH3-N	0.29	mg/L
50320801	12/04/2023	NH3-N	0.2	mg/L
50345501	12/05/2023	NH3-N	0.15	mg/L
50363701	12/06/2023	NH3-N	0.4	mg/L
50382701	12/07/2023	NH3-N	0.84	mg/L
50393001	12/08/2023	NH3-N	0.61	mg/L
50401001	12/09/2023	NH3-N	0.48	mg/L
50410814	12/10/2023	NH3-N	0.37	mg/L
50430801	12/11/2023	NH3-N	0.56	mg/L
50457801	12/12/2023	NH3-N	0.28	mg/L
50475601	12/13/2023	NH3-N	0.26	mg/L
50489801	12/14/2023	NH3-N	0.12	mg/L
50503001	12/15/2023	NH3-N	0.17	mg/L
50509901	12/16/2023	NH3-N	0.16	mg/L
50520414	12/17/2023	NH3-N	0.12	mg/L
50545101	12/18/2023	NH3-N	0.4	mg/L
50568901	12/19/2023	NH3-N	0.11	mg/L
50587201	12/20/2023	NH3-N	0.19	mg/L
50602001	12/21/2023	NH3-N	0.0988	mg/L
50610707	12/22/2023	NH3-N	0.12	mg/L
50617607	12/23/2023	NH3-N	0.0817	mg/L
50624601	12/24/2023	NH3-N	0.0964	mg/L
50632501	12/25/2023	NH3-N	0.0641	mg/L
50641901	12/26/2023	NH3-N	0.0636	mg/L
50662901	12/27/2023	NH3-N	0.0751	mg/L
50678501	12/28/2023	NH3-N	0.058	mg/L
50690501	12/29/2023	NH3-N	0.0822	mg/L
50699101	12/30/2023	NH3-N	0.12	mg/L
50710101	12/31/2023	NH3-N	0.0619	mg/L
50718101	01/01/2024	NH3-N	0.14	mg/L
50743201	01/02/2024	NH3-N	0.46	mg/L

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Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
50759810	01/03/2024	NH3-N	0.21	mg/L
50777901	01/04/2024	NH3-N	1.05	mg/L
50787401	01/05/2024	NH3-N	0.42	mg/L
50794001	01/06/2024	NH3-N	0.06	mg/L
50807101	01/07/2024	NH3-N	0.0613	mg/L
50821010	01/08/2024	NH3-N	0.0853	mg/L
50850701	01/09/2024	NH3-N	0.13	mg/L
50881201	01/10/2024	NH3-N	0.18	mg/L
50909401	01/11/2024	NH3-N	0.28	mg/L
50918601	01/12/2024	NH3-N	0.21	mg/L
50925701	01/13/2024	NH3-N	0.1	mg/L
50935401	01/14/2024	NH3-N	0.21	mg/L
50938301	01/15/2024	NH3-N	0.28	mg/L
50965201	01/16/2024	NH3-N	0.1	mg/L
50982410	01/17/2024	NH3-N	0.3	mg/L
51005501	01/18/2024	NH3-N	1.54	mg/L
51015701	01/19/2024	NH3-N	0.94	mg/L
51022001	01/20/2024	NH3-N	1.41	mg/L
51027801	01/21/2024	NH3-N	0.27	mg/L
51047701	01/22/2024	NH3-N	2.21	mg/L
51066801	01/23/2024	NH3-N	3.96	mg/L
51086501	01/24/2024	NH3-N	3.73	mg/L
51100701	01/25/2024	NH3-N	0.34	mg/L
51109706	01/26/2024	NH3-N	0.31	mg/L
51115607	01/27/2024	NH3-N	0.23	mg/L
51131201	01/28/2024	NH3-N	0.16	mg/L
51148101	01/29/2024	NH3-N	0.21	mg/L
51169801	01/30/2024	NH3-N	0.64	mg/L
51186001	01/31/2024	NH3-N	0.72	mg/L
51203201	02/01/2024	NH3-N	0.52	mg/L
51217801	02/02/2024	NH3-N	0.71	mg/L
51224401	02/03/2024	NH3-N	0.7	mg/L
51231601	02/04/2024	NH3-N	0.39	mg/L
51255901	02/05/2024	NH3-N	0.57	mg/L
51283401	02/06/2024	NH3-N	0.51	mg/L
51307701	02/07/2024	NH3-N	0.42	mg/L

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Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
51323801	02/08/2024	NH3-N	0.65	mg/L
51335501	02/09/2024	NH3-N	0.77	mg/L
51345601	02/10/2024	NH3-N	0.31	mg/L
51351501	02/11/2024	NH3-N	0.0992	mg/L
51372301	02/12/2024	NH3-N	0.16	mg/L
51400801	02/13/2024	NH3-N	0.47	mg/L
51421401	02/14/2024	NH3-N	0.69	mg/L
51433701	02/15/2024	NH3-N	0.97	mg/L
51448901	02/16/2024	NH3-N	1.04	mg/L
51458001	02/17/2024	NH3-N	1.43	mg/L
51465901	02/18/2024	NH3-N	2.58	mg/L
51474301	02/19/2024	NH3-N	2.4	mg/L
51491601	02/20/2024	NH3-N	2.84	mg/L
51516501	02/21/2024	NH3-N	2.8	mg/L
51532701	02/22/2024	NH3-N	1.06	mg/L
51543001	02/23/2024	NH3-N	0.74	mg/L
51549601	02/24/2024	NH3-N	0.98	mg/L
51562701	02/25/2024	NH3-N	0.6	mg/L
51581301	02/26/2024	NH3-N	1.81	mg/L
51602001	02/27/2024	NH3-N	3.65	mg/L
51619001	02/28/2024	NH3-N	0.76	mg/L
51633201	02/29/2024	NH3-N	2.09	mg/L
51645901	03/01/2024	NH3-N	3.76	mg/L
51653001	03/02/2024	NH3-N	2.1	mg/L
51662901	03/03/2024	NH3-N	2.6	mg/L
51682001	03/04/2024	NH3-N	2.05	mg/L
51704001	03/05/2024	NH3-N	1.22	mg/L
51716701	03/06/2024	NH3-N	1.36	mg/L
51730501	03/07/2024	NH3-N	1.28	mg/L
51741401	03/08/2024	NH3-N	0.57	mg/L
51747101	03/09/2024	NH3-N	0.62	mg/L
51761401	03/10/2024	NH3-N	0.6	mg/L
51784501	03/11/2024	NH3-N	0.48	mg/L
51806901	03/12/2024	NH3-N	1.26	mg/L
51820001	03/13/2024	NH3-N	0.85	mg/L
51836401	03/14/2024	NH3-N	0.49	mg/L

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Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
51846501	03/15/2024	NH3-N	0.83	mg/L
51853301	03/16/2024	NH3-N	2.02	mg/L
51867701	03/17/2024	NH3-N	0.99	mg/L
51888301	03/18/2024	NH3-N	1.02	mg/L
51908801	03/19/2024	NH3-N	3.48	mg/L
51936201	03/20/2024	NH3-N	2.43	mg/L
51955201	03/21/2024	NH3-N	2.11	mg/L
51965701	03/22/2024	NH3-N	1.8	mg/L
51972601	03/23/2024	NH3-N	0.91	mg/L
51990703	03/24/2024	NH3-N	0.63	mg/L
52013501	03/25/2024	NH3-N	1.44	mg/L
52029501	03/26/2024	NH3-N	1.72	mg/L
52048901	03/27/2024	NH3-N	1.63	mg/L
52069301	03/28/2024	NH3-N	1.18	mg/L
52078601	03/29/2024	NH3-N	0.76	mg/L
52085901	03/30/2024	NH3-N	0.77	mg/L
52101701	03/31/2024	NH3-N	0.27	mg/L
52124701	04/01/2024	NH3-N	0.56	mg/L
52149001	04/02/2024	NH3-N	0.72	mg/L
52172901	04/03/2024	NH3-N	0.85	mg/L
52191701	04/04/2024	NH3-N	0.68	mg/L
52200501	04/05/2024	NH3-N	0.51	mg/L
52205801	04/06/2024	NH3-N	1.67	mg/L
52222101	04/07/2024	NH3-N	0.8	mg/L
52232901	04/08/2024	NH3-N	0.65	mg/L
52248101	04/09/2024	NH3-N	0.67	mg/L
52272201	04/10/2024	NH3-N	0.55	mg/L
52292101	04/11/2024	NH3-N	0.67	mg/L
52302807	04/12/2024	NH3-N	0.86	mg/L
52311307	04/13/2024	NH3-N	0.88	mg/L
52329501	04/14/2024	NH3-N	0.4	mg/L
52350201	04/15/2024	NH3-N	0.54	mg/L
52373401	04/16/2024	NH3-N	0.54	mg/L
52392801	04/17/2024	NH3-N	0.52	mg/L
52411601	04/18/2024	NH3-N	0.46	mg/L
52424101	04/19/2024	NH3-N	0.51	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 stin, TX 78724
Pollutant Analysis of Treated Effluent
Ammonia SM 4500-NH3 D

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
52430701	04/20/2024	NH3-N	0.67	mg/L
52440201	04/21/2024	NH3-N	0.49	mg/L
52458101	04/22/2024	NH3-N	0.19	mg/L
52479801	04/23/2024	NH3-N	0.44	mg/L
52498801	04/24/2024	NH3-N	0.46	mg/L
52512901	04/25/2024	NH3-N	0.62	mg/L
52524001	04/26/2024	NH3-N	0.5	mg/L
52531501	04/27/2024	NH3-N	0.48	mg/L
52547001	04/28/2024	NH3-N	0.27	mg/L
52560701	04/29/2024	NH3-N	0.48	mg/L
52577201	04/30/2024	NH3-N	0.39	mg/L
52590701	05/01/2024	NH3-N	0.53	mg/L

Average Concentration= 0.5089
Maximum= 3.96
# of samples= 336
Sample Type= Composite

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
TCEQ Permit -WQ0010543012
Application for Domestic WWTP

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Nitrate SM 4500-NO3 D

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
46930701	05/03/2023	NO3-N	23.6	mg/L
47017001	05/09/2023	NO3-N	27.4	mg/L
47122401	05/16/2023	NO3-N	23.8	mg/L
47234601	05/23/2023	NO3-N	26.0	mg/L
47330301	05/30/2023	NO3-N	23.5	mg/L
47445401	06/06/2023	NO3-N	20.1	mg/L
47564101	06/13/2023	NO3-N	20.2	mg/L
47674401	06/20/2023	NO3-N	22.9	mg/L
47799501	06/27/2023	NO3-N	23.4	mg/L
47908901	07/04/2023	NO3-N	27.4	mg/L
48034801	07/11/2023	NO3-N	24.8	mg/L
48137401	07/18/2023	NO3-N	25.4	mg/L
48226601	07/25/2023	NO3-N	25.5	mg/L
48344801	08/01/2023	NO3-N	24.6	mg/L
48453001	08/08/2023	NO3-N	16.5	mg/L
48566301	08/15/2023	NO3-N	27.1	mg/L
48662501	08/22/2023	NO3-N	24.9	mg/L
48766201	08/29/2023	NO3-N	30.5	mg/L
48873401	09/05/2023	NO3-N	27.6	mg/L
48995201	09/12/2023	NO3-N	21.1	mg/L
49088101	09/19/2023	NO3-N	18.5	mg/L
49204201	09/26/2023	NO3-N	24.6	mg/L
49323501	10/03/2023	NO3-N	22.6	mg/L
49454201	10/10/2023	NO3-N	25.0	mg/L
49578601	10/17/2023	NO3-N	25.5	mg/L
49695101	10/24/2023	NO3-N	20.4	mg/L
49805701	10/31/2023	NO3-N	23.4	mg/L
49928301	11/07/2023	NO3-N	23.4	mg/L
50035501	11/14/2023	NO3-N	19.6	mg/L
50151601	11/21/2023	NO3-N	22.1	mg/L
50232201	11/28/2023	NO3-N	23.7	mg/L

Average Concentration= 23.7
Maximum= 30.5
# of samples= 31
Sample Type= Composite

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
TCEQ Permit -WQ0010543012
Application for Domestic WWTP

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
TKN EPA 351.2

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
51264001	02/06/2024	TKN	2.21	mg/L
51406501	02/13/2024	TKN	2.10	mg/L
51504801	02/21/2024	TKN	4.87	mg/L
51612901	02/28/2024	TKN	2.49	mg/L

Average Concentration= 2.92
Maximum= 4.87
# of samples= 4
Sample Type= Composite

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
TCEQ Permit -WQ0010543012
Application for Domestic WWTP

Austin Water Laboratory-Environmental Analytical Services
7113 FM969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Sulfate EPA Method 300.0

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Unit
47417001	06/05/2023	SO4	65.4	mg/L
47704401	06/22/2023	SO4	64.3	mg/L
48435501	08/07/2023	SO4	61.3	mg/L
48479901	08/10/2023	SO4	57.0	mg/L
48833301	09/04/2023	SO4	65.3	mg/L
49300101	10/02/2023	SO4	64.2	mg/L
49722201	10/26/2023	SO4	58.1	mg/L
49903601	11/06/2023	SO4	59.9	mg/L

Average Concentration= 61.9
Maximum= 65.4
# of samples= 8
Sample Type= Composite

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
TCEQ Permit -WQ0010543012
Application for Domestic WWTP

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Chloride EPA Method 300.0

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47417001	06/05/2023	CL	97.6	mg/L
48435501	08/07/2023	CL	123	mg/L
48833301	09/04/2023	CL	127	mg/L
49300101	10/02/2023	CL	119	mg/L
49903601	11/06/2023	CL	104	mg/L
50320801	12/04/2023	CL	115	mg/L
50718101	01/01/2024	CL	118	mg/L
51255901	02/05/2024	CL	103	mg/L
51682001	03/04/2024	CL	111	mg/L
52124701	04/01/2024	CL	113	mg/L

Average Concentration= 113.06
Maximum= 127
# of samples= 10
Sample Type= Composite

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
TCEQ Permit -WQ0010543012
Application for Domestic WWTP

Austin Water Laboratory-Environmental Analytical Services
7113 FM969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Phosphorus (T) SM 4500-P BH

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47397801	06/04/2023	TP	4.71	mg/L
47417001	06/05/2023	TP	4.36	mg/L
47445401	06/06/2023	TP	3.65	mg/L
47516401	06/11/2023	TP	4.1	mg/L
47536701	06/12/2023	TP	3.65	mg/L
47564101	06/13/2023	TP	3.85	mg/L
47631201	06/18/2023	TP	4.13	mg/L
47674401	06/20/2023	TP	4.02	mg/L
47696601	06/21/2023	TP	4.05	mg/L
47704401	06/22/2023	TP	3.79	mg/L
47757101	06/25/2023	TP	4.02	mg/L
47776701	06/26/2023	TP	3.9	mg/L
47799501	06/27/2023	TP	3.93	mg/L
47877901	07/02/2023	TP	3.99	mg/L
47892501	07/03/2023	TP	4.05	mg/L
47908901	07/04/2023	TP	3.88	mg/L
47981101	07/09/2023	TP	4.39	mg/L
48012501	07/10/2023	TP	4.33	mg/L
48034801	07/11/2023	TP	4.36	mg/L
48100201	07/16/2023	TP	4.48	mg/L
48117301	07/17/2023	TP	4.42	mg/L
48137401	07/18/2023	TP	4.19	mg/L
48193701	07/23/2023	TP	4.51	mg/L
48213601	07/24/2023	TP	4.42	mg/L
48226601	07/25/2023	TP	3.5	mg/L
48294310	07/30/2023	TP	4.65	mg/L
48313701	07/31/2023	TP	4.56	mg/L
48344801	08/01/2023	TP	4.76	mg/L
48416601	08/06/2023	TP	4.68	mg/L
48435501	08/07/2023	TP	4.45	mg/L
48453001	08/08/2023	TP	4.36	mg/L
48479901	08/10/2023	TP	4.45	mg/L
48544801	08/14/2023	TP	4.51	mg/L
48566301	08/15/2023	TP	4.56	mg/L
48588601	08/16/2023	TP	4.65	mg/L
48650001	08/21/2023	TP	4.94	mg/L

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
TCEQ Permit -WQ0010543012
Application for Domestic WWTP

Austin Water Laboratory-Environmental Analytical Services
7113 FM969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Phosphorus (T) SM 4500-P BH

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
48662501	08/22/2023	TP	4.79	mg/L
48680701	08/23/2023	TP	4.94	mg/L
48746901	08/28/2023	TP	4.71	mg/L
48766201	08/29/2023	TP	4.33	mg/L
48780301	08/30/2023	TP	4.68	mg/L
48833301	09/04/2023	TP	4.85	mg/L
48873401	09/05/2023	TP	4.65	mg/L
48893701	09/06/2023	TP	4.65	mg/L
48975101	09/11/2023	TP	5.34	mg/L
48995201	09/12/2023	TP	4.68	mg/L
49009701	09/13/2023	TP	4.74	mg/L
49071501	09/18/2023	TP	4.08	mg/L
49088101	09/19/2023	TP	4.59	mg/L
49116010	09/20/2023	TP	4.97	mg/L
49184701	09/25/2023	TP	4.48	mg/L
49204201	09/26/2023	TP	4.42	mg/L
49220401	09/27/2023	TP	4.48	mg/L
49300101	10/02/2023	TP	4.28	mg/L
49323501	10/03/2023	TP	4.68	mg/L
49344501	10/04/2023	TP	2.7	mg/L
49425301	10/09/2023	TP	4.36	mg/L
49454201	10/10/2023	TP	4.33	mg/L
49472701	10/11/2023	TP	4.25	mg/L
49552701	10/16/2023	TP	4.48	mg/L
49578601	10/17/2023	TP	4.54	mg/L
49596801	10/18/2023	TP	4.82	mg/L
49673101	10/23/2023	TP	3.9	mg/L
49695101	10/24/2023	TP	5.14	mg/L
49715301	10/25/2023	TP	3.53	mg/L
49722201	10/26/2023	TP	3.52	mg/L
49784701	10/30/2023	TP	3.85	mg/L
49805701	10/31/2023	TP	3.93	mg/L
49824801	11/01/2023	TP	4.62	mg/L
49903601	11/06/2023	TP	3.96	mg/L
49928301	11/07/2023	TP	4.22	mg/L
49953501	11/08/2023	TP	3.96	mg/L

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
TCEQ Permit -WQ0010543012
Application for Domestic WWTP

Austin Water Laboratory-Environmental Analytical Services
7113 FM969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Phosphorus (T) SM 4500-P BH

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
50013301	11/13/2023	TP	3.65	mg/L
50035501	11/14/2023	TP	3.76	mg/L
50056501	11/15/2023	TP	3.67	mg/L
50129701	11/20/2023	TP	3.5	mg/L
50151601	11/21/2023	TP	7.06	mg/L
50164910	11/22/2023	TP	3.42	mg/L
50208501	11/27/2023	TP	3.82	mg/L
50232201	11/28/2023	TP	3.99	mg/L
50250710	11/29/2023	TP	3.96	mg/L
50320801	12/04/2023	TP	4.19	mg/L
50345501	12/05/2023	TP	4.33	mg/L
50363701	12/06/2023	TP	4.31	mg/L
50430801	12/11/2023	TP	3.9	mg/L
50457801	12/12/2023	TP	4.13	mg/L
50475601	12/13/2023	TP	4.05	mg/L
50545101	12/18/2023	TP	3.5	mg/L
50568901	12/19/2023	TP	3.62	mg/L
50587201	12/20/2023	TP	3.5	mg/L
50593401	12/21/2023	TP	3.7	mg/L
50632501	12/25/2023	TP	2.9	mg/L
50641901	12/26/2023	TP	2.79	mg/L
50662901	12/27/2023	TP	2.99	mg/L
50718101	01/01/2024	TP	3.56	mg/L
50759810	01/03/2024	TP	3.16	mg/L
50777901	01/04/2024	TP	2.47	mg/L
50821010	01/08/2024	TP	3.65	mg/L
50850701	01/09/2024	TP	3.36	mg/L
50881201	01/10/2024	TP	3.3	mg/L
50938301	01/15/2024	TP	3.33	mg/L
50965201	01/16/2024	TP	2.84	mg/L
50982410	01/17/2024	TP	2.76	mg/L
51047701	01/22/2024	TP	2.81	mg/L
51066801	01/23/2024	TP	1.55	mg/L
51086501	01/24/2024	TP	1.67	mg/L
51148101	01/29/2024	TP	2.5	mg/L
51169801	01/30/2024	TP	2.79	mg/L

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
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Application for Domestic WWTP

Austin Water Laboratory-Environmental Analytical Services
7113 FM969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Phosphorus (T) SM 4500-P BH

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
51186001	01/31/2024	TP	2.76	mg/L
51255901	02/05/2024	TP	2.76	mg/L
51283401	02/06/2024	TP	3.3	mg/L
51307701	02/07/2024	TP	3.47	mg/L
51372301	02/12/2024	TP	2.1	mg/L
51400801	02/13/2024	TP	2.96	mg/L
51421401	02/14/2024	TP	3.3	mg/L
51474301	02/19/2024	TP	3.45	mg/L
51491601	02/20/2024	TP	3.45	mg/L
51516501	02/21/2024	TP	3.53	mg/L
51523601	02/22/2024	TP	3.52	mg/L
51581301	02/26/2024	TP	3.65	mg/L
51602001	02/27/2024	TP	3.53	mg/L
51619001	02/28/2024	TP	3.45	mg/L
51682001	03/04/2024	TP	3.49	mg/L
51704001	03/05/2024	TP	3.44	mg/L
51716701	03/06/2024	TP	3.78	mg/L
51784501	03/11/2024	TP	3.86	mg/L
51806901	03/12/2024	TP	3.81	mg/L
51820001	03/13/2024	TP	3.44	mg/L
51888301	03/18/2024	TP	3.21	mg/L
51908801	03/19/2024	TP	3.21	mg/L
51936201	03/20/2024	TP	3.16	mg/L
52013501	03/25/2024	TP	3.78	mg/L
52029501	03/26/2024	TP	3.69	mg/L
52048901	03/27/2024	TP	3.55	mg/L
52124701	04/01/2024	TP	3.86	mg/L
52149001	04/02/2024	TP	3.75	mg/L
52172901	04/03/2024	TP	3.78	mg/L
52232901	04/08/2024	TP	4.49	mg/L
52248101	04/09/2024	TP	4.15	mg/L
52272201	04/10/2024	TP	3.86	mg/L
52350201	04/15/2024	TP	3.98	mg/L
52373401	04/16/2024	TP	4.03	mg/L
52392801	04/17/2024	TP	3.98	mg/L
52458101	04/22/2024	TP	3.35	mg/L

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
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Application for Domestic WWTP

Austin Water Laboratory-Environmental Analytical Services
7113 FM969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Phosphorus (T) SM 4500-P BH

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
52479801	04/23/2024	TP	3.66	mg/L
52498801	04/24/2024	TP	3.92	mg/L
52504301	04/25/2024	TP	3.9	mg/L
52560701	04/29/2024	TP	3.58	mg/L
52577201	04/30/2024	TP	3.49	mg/L
52590701	05/01/2024	TP	3.47	mg/L

Average Concentration= 3.90
Maximum= 7.06
# of samples= 150
Sample Type= Composite

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
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Application for Domestic WWTP

Pollutant Analysis of Treated Effluent
Field Measurements of pH

Date	Analyte	Result	Collect Time	Test Time
4/25/2024	pH	7.012	8:50	8:57
4/24/2024	pH	7.014	8:47	8:53
4/23/2024	pH	7.007	9:25	9:30
4/22/2024	pH	7.015	8:22	8:31
4/21/2024	pH	7.012	10:03	10:11

Average Concentration= 7.012
Maximum= 7.015
# of samples= 5
Sample Type= Grab

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
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Application for Domestic WWTP

Pollutant Analysis of Treated Effluent
Field Measurements of Dissolved Oxygen

Date	Analyte	Result	Collect Time	Test Time
4/25/2024	DO	8.01	8:50	8:56
4/24/2024	DO	8.27	8:47	8:53
4/23/2024	DO	8.35	9:25	9:31
4/22/2024	DO	8.38	8:22	8:29
4/21/2024	DO	8.32	10:03	10:10

Average Concentration= 8.27
Maximum= 8.38
# of samples= 5
Sample Type= Grab

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
TCEQ Permit -WQ0010543012
Application for Domestic WWTP

Pollutant Analysis of Treated Effluent
Field Measurements of Chlorine Residuals

Date	Analyte	Result	Collect Time	Test Time
4/25/2024	CL2	0.01	8:50	8:59
4/24/2024	CL2	0.00	8:47	8:58
4/23/2024	CL2	0.01	9:25	9:36
4/22/2024	CL2	0.00	8:22	8:31
4/21/2024	CL2	0.00	10:03	10:12

Average Concentration= 0.004
Maximum= 0.01
# of samples= 5
Sample Type= Grab

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
TCEQ Permit -WQ0010543012
Application for Domestic WWTP

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
E. Coli SM 9223

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47353001	06/01/2023	ECOLI	< 1	MPN/100mL
47383601	06/04/2023	ECOLI	< 1	MPN/100mL
47405101	06/05/2023	ECOLI	< 1	MPN/100mL
47424701	06/06/2023	ECOLI	1.0	MPN/100mL
47436601	06/07/2023	ECOLI	1.0	MPN/100mL
47471801	06/08/2023	ECOLI	< 1	MPN/100mL
47506201	06/11/2023	ECOLI	< 1	MPN/100mL
47527501	06/12/2023	ECOLI	< 1	MPN/100mL
47545601	06/13/2023	ECOLI	1.0	MPN/100mL
47571501	06/14/2023	ECOLI	< 1	MPN/100mL
47587301	06/15/2023	ECOLI	< 1	MPN/100mL
47621801	06/18/2023	ECOLI	10.9	MPN/100mL
47631501	06/19/2023	ECOLI	< 1	MPN/100mL
47658601	06/20/2023	ECOLI	3.1	MPN/100mL
47683001	06/21/2023	ECOLI	< 1	MPN/100mL
47701601	06/22/2023	ECOLI	< 1	MPN/100mL
47735001	06/25/2023	ECOLI	< 1	MPN/100mL
47762201	06/26/2023	ECOLI	< 1	MPN/100mL
47782501	06/27/2023	ECOLI	< 1	MPN/100mL
47806001	06/28/2023	ECOLI	1.0	MPN/100mL
47825101	06/29/2023	ECOLI	1.0	MPN/100mL
47884501	07/03/2023	ECOLI	< 1	MPN/100mL
47897201	07/04/2023	ECOLI	1.0	MPN/100mL
47909901	07/05/2023	ECOLI	< 1	MPN/100mL
47995101	07/10/2023	ECOLI	< 1	MPN/100mL
48015701	07/11/2023	ECOLI	< 1	MPN/100mL
48039001	07/12/2023	ECOLI	< 1	MPN/100mL
48106401	07/17/2023	ECOLI	< 1	MPN/100mL
48127601	07/18/2023	ECOLI	4.1	MPN/100mL
48143901	07/19/2023	ECOLI	< 1	MPN/100mL
48198801	07/24/2023	ECOLI	< 1	MPN/100mL
48218301	07/25/2023	ECOLI	< 1	MPN/100mL
48234901	07/26/2023	ECOLI	< 1	MPN/100mL
48302401	07/31/2023	ECOLI	< 1	MPN/100mL
48329201	08/01/2023	ECOLI	1.0	MPN/100mL
48350201	08/02/2023	ECOLI	1.0	MPN/100mL

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Pollutant Analysis of Treated Effluent
E. Coli SM 9223

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
48418401	08/07/2023	ECOLI	LE	MPN/100mL
48439901	08/08/2023	ECOLI	< 1	MPN/100mL
48457701	08/09/2023	ECOLI	< 1	MPN/100mL
48523901	08/14/2023	ECOLI	< 1	MPN/100mL
48549101	08/15/2023	ECOLI	< 1	MPN/100mL
48573101	08/16/2023	ECOLI	< 1	MPN/100mL
48573102	08/21/2023	ECOLI	< 1	MPN/100mL
48573103	08/22/2023	ECOLI	< 1	MPN/100mL
48666501	08/23/2023	ECOLI	< 1	MPN/100mL
48737801	08/28/2023	ECOLI	< 1	MPN/100mL
48751501	08/29/2023	ECOLI	19.5	MPN/100mL
48770201	08/30/2023	ECOLI	< 1	MPN/100mL
48824901	09/04/2023	ECOLI	< 1	MPN/100mL
48849501	09/05/2023	ECOLI	7.5	MPN/100mL
48879501	09/06/2023	ECOLI	< 1	MPN/100mL
48954101	09/11/2023	ECOLI	< 1	MPN/100mL
48976301	09/12/2023	ECOLI	< 1	MPN/100mL
49000401	09/13/2023	ECOLI	< 1	MPN/100mL
49061101	09/18/2023	ECOLI	< 1	MPN/100mL
49076401	09/19/2023	ECOLI	12.1	MPN/100mL
49102001	09/20/2023	ECOLI	< 1	MPN/100mL
49169601	09/25/2023	ECOLI	< 1	MPN/100mL
49192801	09/26/2023	ECOLI	< 1	MPN/100mL
49210001	09/27/2023	ECOLI	< 1	MPN/100mL
49281701	10/02/2023	ECOLI	< 1	MPN/100mL
49306501	10/03/2023	ECOLI	25.9	MPN/100mL
49328701	10/04/2023	ECOLI	< 1	MPN/100mL
49401501	10/09/2023	ECOLI	19.7	MPN/100mL
49428101	10/10/2023	ECOLI	< 1	MPN/100mL
49458201	10/11/2023	ECOLI	3.1	MPN/100mL
49534701	10/16/2023	ECOLI	1.0	MPN/100mL
49560201	10/17/2023	ECOLI	< 1	MPN/100mL
49581501	10/18/2023	ECOLI	< 1	MPN/100mL
49657801	10/23/2023	ECOLI	18.5	MPN/100mL
49677601	10/24/2023	ECOLI	< 1	MPN/100mL
49698201	10/25/2023	ECOLI	< 1	MPN/100mL

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E. Coli SM 9223

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
49770501	10/30/2023	ECOLI	< 1	MPN/100mL
49791601	10/31/2023	ECOLI	< 1	MPN/100mL
49814301	11/01/2023	ECOLI	< 1	MPN/100mL
49888001	11/06/2023	ECOLI	< 1	MPN/100mL
49905801	11/07/2023	ECOLI	3.1	MPN/100mL
49934101	11/08/2023	ECOLI	< 1	MPN/100mL
50003401	11/13/2023	ECOLI	< 1	MPN/100mL
50022101	11/14/2023	ECOLI	1.0	MPN/100mL
50061601	11/16/2023	ECOLI	1.0	MPN/100mL
50111701	11/20/2023	ECOLI	2.0	MPN/100mL
50139501	11/21/2023	ECOLI	< 1	MPN/100mL
50155801	11/22/2023	ECOLI	< 1	MPN/100mL
50198601	11/27/2023	ECOLI	6.3	MPN/100mL
50218701	11/28/2023	ECOLI	< 1	MPN/100mL
50238001	11/29/2023	ECOLI	< 1	MPN/100mL
50303801	12/04/2023	ECOLI	17.1	MPN/100mL
50322801	12/05/2023	ECOLI	1.0	MPN/100mL
50353701	12/06/2023	ECOLI	1.0	MPN/100mL
50421101	12/11/2023	ECOLI	< 1	MPN/100mL
50438201	12/12/2023	ECOLI	< 1	MPN/100mL
50464901	12/13/2023	ECOLI	71.7	MPN/100mL
50529901	12/18/2023	ECOLI	1.0	MPN/100mL
50552901	12/19/2023	ECOLI	19.5	MPN/100mL
50573601	12/20/2023	ECOLI	< 1	MPN/100mL
50624901	12/25/2023	ECOLI	< 1	MPN/100mL
50633801	12/26/2023	ECOLI	< 1	MPN/100mL
50648101	12/27/2023	ECOLI	< 1	MPN/100mL
50703601	01/01/2024	ECOLI	< 1	MPN/100mL
50723601	01/02/2024	ECOLI	< 1	MPN/100mL
50748101	01/03/2024	ECOLI	3.1	MPN/100mL
50807401	01/08/2024	ECOLI	1.0	MPN/100mL
50830501	01/09/2024	ECOLI	< 1	MPN/100mL
50854601	01/10/2024	ECOLI	< 1	MPN/100mL
50931101	01/15/2024	ECOLI	13.1	MPN/100mL
50946201	01/16/2024	ECOLI	< 1	MPN/100mL
50966401	01/17/2024	ECOLI	1.0	MPN/100mL

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E. Coli SM 9223

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
51039201	01/22/2024	ECOLI	< 1	MPN/100mL
51055501	01/23/2024	ECOLI	8.5	MPN/100mL
51075501	01/24/2024	ECOLI	< 1	MPN/100mL
51137701	01/29/2024	ECOLI	3.1	MPN/100mL
51153401	01/30/2024	ECOLI	4.1	MPN/100mL
51173601	01/31/2024	ECOLI	< 1	MPN/100mL
51242401	02/05/2024	ECOLI	2.0	MPN/100mL
51263801	02/06/2024	ECOLI	< 1	MPN/100mL
51287401	02/07/2024	ECOLI	4.1	MPN/100mL
51364401	02/12/2024	ECOLI	< 1	MPN/100mL
51379001	02/13/2024	ECOLI	< 1	MPN/100mL
51406301	02/14/2024	ECOLI	< 1	MPN/100mL
51504501	02/21/2024	ECOLI	< 1	MPN/100mL
51521901	02/22/2024	ECOLI	< 1	MPN/100mL
51536901	02/23/2024	ECOLI	< 1	MPN/100mL
51569901	02/26/2024	ECOLI	7.5	MPN/100mL
51591701	02/27/2024	ECOLI	< 1	MPN/100mL
51610101	02/28/2024	ECOLI	2.0	MPN/100mL
51669701	03/04/2024	ECOLI	< 1	MPN/100mL
51689801	03/05/2024	ECOLI	4.1	MPN/100mL
51708701	03/06/2024	ECOLI	6.3	MPN/100mL
51772801	03/11/2024	ECOLI	5.2	MPN/100mL
51790301	03/12/2024	ECOLI	< 1	MPN/100mL
51811801	03/13/2024	ECOLI	< 1	MPN/100mL
51876101	03/18/2024	ECOLI	1.0	MPN/100mL
51894301	03/19/2024	ECOLI	< 1	MPN/100mL
51938701	03/21/2024	ECOLI	< 1	MPN/100mL
51996001	03/25/2024	ECOLI	< 1	MPN/100mL
52015901	03/26/2024	ECOLI	< 1	MPN/100mL
52033301	03/27/2024	ECOLI	< 1	MPN/100mL
52086201	03/31/2024	ECOLI	2.0	MPN/100mL
52105401	04/01/2024	ECOLI	2.0	MPN/100mL
52129601	04/02/2024	ECOLI	2.0	MPN/100mL
52239001	04/09/2024	ECOLI	4.1	MPN/100mL
52261001	04/10/2024	ECOLI	10.5	MPN/100mL
52279701	04/11/2024	ECOLI	56.5	MPN/100mL

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Pollutant Analysis of Treated Effluent
E. Coli SM 9223

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
52340401	04/15/2024	ECOLI	5.2	MPN/100mL
52357101	04/16/2024	ECOLI	30.5	MPN/100mL
52379401	04/17/2024	ECOLI	25.0	MPN/100mL
52442901	04/22/2024	ECOLI	3.1	MPN/100mL
52464501	04/23/2024	ECOLI	< 1	MPN/100mL
52484101	04/24/2024	ECOLI	< 1	MPN/100mL
52548701	04/29/2024	ECOLI	< 1	MPN/100mL
52565101	04/30/2024	ECOLI	< 1	MPN/100mL
52581901	05/01/2024	ECOLI	< 1	MPN/100mL

Average Concentration= 3.70
Maximum= 71.7
# of samples= 153
Sample Type= Grab

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Pollutant Analysis of Treated Effluent
Total Dissolved Solids SM 2540 C

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Unit
47417001	06/05/2023	TDS	524	mg/L
47536701	06/12/2023	TDS	574	mg/L
47638101	06/19/2023	TDS	514	mg/L
47776701	06/26/2023	TDS	510	mg/L
47892501	07/03/2023	TDS	544	mg/L
48117301	07/17/2023	TDS	534	mg/L
48213601	07/24/2023	TDS	584	mg/L
48313701	07/31/2023	TDS	562	mg/L
48435501	08/07/2023	TDS	496	mg/L
48544801	08/14/2023	TDS	550	mg/L
48650001	08/21/2023	TDS	584	mg/L
48746901	08/28/2023	TDS	662	mg/L
48833301	09/04/2023	TDS	612	mg/L
48975101	09/11/2023	TDS	590	mg/L
49071501	09/18/2023	TDS	584	mg/L
49184701	09/25/2023	TDS	582	mg/L
49300101	10/02/2023	TDS	620	mg/L
49425301	10/09/2023	TDS	574	mg/L
49552701	10/16/2023	TDS	582	mg/L
49673101	10/23/2023	TDS	568	mg/L
49784701	10/30/2023	TDS	536	mg/L
49903601	11/06/2023	TDS	546	mg/L
50013301	11/13/2023	TDS	524	mg/L
50129701	11/20/2023	TDS	564	mg/L
50208501	11/27/2023	TDS	554	mg/L
50320801	12/04/2023	TDS	576	mg/L
50430801	12/11/2023	TDS	576	mg/L
50545101	12/18/2023	TDS	656	mg/L
50718101	01/01/2024	TDS	566	mg/L
50821010	01/08/2024	TDS	580	mg/L
50938301	01/15/2024	TDS	532	mg/L
51047701	01/22/2024	TDS	556	mg/L
51148101	01/29/2024	TDS	604	mg/L
51255901	02/05/2024	TDS	596	mg/L
51372301	02/12/2024	TDS	550	mg/L
51474301	02/19/2024	TDS	530	mg/L
51581301	02/26/2024	TDS	578	mg/L

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Austin Water Laboratory-Environmental Analytical Services
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Pollutant Analysis of Treated Effluent
Total Dissolved Solids SM 2540 C

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Unit
51682001	03/04/2024	TDS	580	mg/L
51784501	03/11/2024	TDS	614	mg/L
51888301	03/18/2024	TDS	570	mg/L
52013501	03/25/2024	TDS	582	mg/L
52124701	04/01/2024	TDS	566	mg/L
52232901	04/08/2024	TDS	524	mg/L
52350201	04/15/2024	TDS	596	mg/L
52458101	04/22/2024	TDS	538	mg/L
52560701	04/29/2024	TDS	524	mg/L

Average Concentration= 567
Maximum= 662
# of samples= 46
Sample Type= Composite

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Pollutant Analysis of Treated Effluent
Oil & Grease EPA 1664 A

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Unit
51264001	02/06/2024	OG	<2.50	mg/L
51406501	02/13/2024	OG	<2.50	mg/L
51504801	02/21/2024	OG	<2.50	mg/L
51612901	02/28/2024	OG	<2.50	mg/L

Average Concentration= <2.5
Maximum= <2.5
# of samples= 4
Sample Type= Grab

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Austin Water Laboratory-Environmental Analytical Services
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Pollutant Analysis of Treated Effluent
Alkalinity -SM 2320B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47366201	06/01/2023	ALK	82.2	mg/L
47397801	06/04/2023	ALK	93.2	mg/L
47417001	06/05/2023	ALK	90.7	mg/L
47445401	06/06/2023	ALK	99.1	mg/L
47464001	06/07/2023	ALK	102	mg/L
47486314	06/08/2023	ALK	95.7	mg/L
47516401	06/11/2023	ALK	89.8	mg/L
47536701	06/12/2023	ALK	84.6	mg/L
47564101	06/13/2023	ALK	88.6	mg/L
47579001	06/14/2023	ALK	101	mg/L
47602301	06/15/2023	ALK	103	mg/L
47631201	06/18/2023	ALK	83.3	mg/L
47638101	06/19/2023	ALK	86.7	mg/L
47674401	06/20/2023	ALK	90.7	mg/L
47696601	06/21/2023	ALK	90.6	mg/L
47717901	06/22/2023	ALK	92.8	mg/L
47757101	06/25/2023	ALK	90.7	mg/L
47776701	06/26/2023	ALK	84.6	mg/L
47799501	06/27/2023	ALK	85.5	mg/L
47818401	06/28/2023	ALK	83.7	mg/L
47839701	06/29/2023	ALK	94.6	mg/L
47877901	07/02/2023	ALK	97	mg/L
47892501	07/03/2023	ALK	94.7	mg/L
47908901	07/04/2023	ALK	117	mg/L
47929801	07/05/2023	ALK	88.1	mg/L
47946301	07/06/2023	ALK	83	mg/L
47981101	07/09/2023	ALK	82.5	mg/L
48012501	07/10/2023	ALK	82	mg/L
48034801	07/11/2023	ALK	79.7	mg/L
48051701	07/12/2023	ALK	83.9	mg/L
48067201	07/13/2023	ALK	96.4	mg/L
48100201	07/16/2023	ALK	89.2	mg/L
48117301	07/17/2023	ALK	98.6	mg/L
48137401	07/18/2023	ALK	104	mg/L
48156001	07/19/2023	ALK	107	mg/L
48169801	07/20/2023	ALK	99.5	mg/L
48193701	07/23/2023	ALK	102	mg/L

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Pollutant Analysis of Treated Effluent
Alkalinity -SM 2320B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
48213601	07/24/2023	ALK	94.1	mg/L
48226601	07/25/2023	ALK	99	mg/L
48253701	07/26/2023	ALK	100	mg/L
48267901	07/27/2023	ALK	93.6	mg/L
48294310	07/30/2023	ALK	87.6	mg/L
48313701	07/31/2023	ALK	85.7	mg/L
48344801	08/01/2023	ALK	87	mg/L
48361601	08/02/2023	ALK	87.4	mg/L
48375301	08/03/2023	ALK	89.2	mg/L
48416601	08/06/2023	ALK	99.9	mg/L
48435501	08/07/2023	ALK	113	mg/L
48453001	08/08/2023	ALK	116	mg/L
48470001	08/09/2023	ALK	107	mg/L
48489501	08/10/2023	ALK	95.9	mg/L
48520901	08/13/2023	ALK	96.4	mg/L
48544801	08/14/2023	ALK	93.6	mg/L
48566301	08/15/2023	ALK	95	mg/L
48588601	08/16/2023	ALK	100	mg/L
48607101	08/17/2023	ALK	106	mg/L
48636401	08/20/2023	ALK	90.6	mg/L
48650001	08/21/2023	ALK	94.4	mg/L
48662501	08/22/2023	ALK	95.2	mg/L
48680701	08/23/2023	ALK	88.9	mg/L
48700301	08/24/2023	ALK	88	mg/L
48731501	08/27/2023	ALK	90	mg/L
48746901	08/28/2023	ALK	90.8	mg/L
48766201	08/29/2023	ALK	81.2	mg/L
48780301	08/30/2023	ALK	74.5	mg/L
48797301	08/31/2023	ALK	79.5	mg/L
48823901	09/03/2023	ALK	84.9	mg/L
48833301	09/04/2023	ALK	80	mg/L
48873401	09/05/2023	ALK	82.4	mg/L
48893701	09/06/2023	ALK	89.8	mg/L
48915101	09/07/2023	ALK	99.5	mg/L
48942201	09/10/2023	ALK	89.8	mg/L
48975101	09/11/2023	ALK	97.5	mg/L
48995201	09/12/2023	ALK	83.6	mg/L

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Pollutant Analysis of Treated Effluent
Alkalinity -SM 2320B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
49009701	09/13/2023	ALK	98.7	mg/L
49024301	09/14/2023	ALK	115	mg/L
49054901	09/17/2023	ALK	94.1	mg/L
49071501	09/18/2023	ALK	103	mg/L
49088101	09/19/2023	ALK	104	mg/L
49116010	09/20/2023	ALK	90.2	mg/L
49134701	09/21/2023	ALK	89.7	mg/L
49167901	09/24/2023	ALK	109	mg/L
49184701	09/25/2023	ALK	106	mg/L
49204201	09/26/2023	ALK	101	mg/L
49220401	09/27/2023	ALK	98.8	mg/L
49235601	09/28/2023	ALK	105	mg/L
49275501	10/01/2023	ALK	102	mg/L
49300101	10/02/2023	ALK	94.4	mg/L
49323501	10/03/2023	ALK	87.7	mg/L
49344501	10/04/2023	ALK	87.1	mg/L
49360001	10/05/2023	ALK	94.8	mg/L
49391001	10/08/2023	ALK	119	mg/L
49425301	10/09/2023	ALK	118	mg/L
49454201	10/10/2023	ALK	117	mg/L
49522301	10/15/2023	ALK	107	mg/L
49552701	10/16/2023	ALK	126	mg/L
49578601	10/17/2023	ALK	97.9	mg/L
49596801	10/18/2023	ALK	110	mg/L
49615001	10/19/2023	ALK	120	mg/L
49653401	10/22/2023	ALK	97.4	mg/L
49673101	10/23/2023	ALK	100	mg/L
49695101	10/24/2023	ALK	108	mg/L
49715301	10/25/2023	ALK	117	mg/L
49735101	10/26/2023	ALK	122	mg/L
49770201	10/29/2023	ALK	113	mg/L
49784701	10/30/2023	ALK	116	mg/L
49805701	10/31/2023	ALK	107	mg/L
49824801	11/01/2023	ALK	107	mg/L
49850401	11/02/2023	ALK	95.1	mg/L
49887001	11/05/2023	ALK	103	mg/L
49903601	11/06/2023	ALK	114	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Alkalinity -SM 2320B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
49928301	11/07/2023	ALK	115	mg/L
49953501	11/08/2023	ALK	111	mg/L
49968801	11/09/2023	ALK	124	mg/L
49993301	11/12/2023	ALK	127	mg/L
50013301	11/13/2023	ALK	114	mg/L
50035501	11/14/2023	ALK	123	mg/L
50056501	11/15/2023	ALK	121	mg/L
50075801	11/16/2023	ALK	115	mg/L
50109101	11/19/2023	ALK	103	mg/L
50129701	11/20/2023	ALK	115	mg/L
50151601	11/21/2023	ALK	104	mg/L
50164910	11/22/2023	ALK	101	mg/L
50172210	11/23/2023	ALK	107	mg/L
50198301	11/26/2023	ALK	97.2	mg/L
50208501	11/27/2023	ALK	98.9	mg/L
50232201	11/28/2023	ALK	105	mg/L
50250710	11/29/2023	ALK	98.6	mg/L
50265501	11/30/2023	ALK	92.8	mg/L
50302501	12/03/2023	ALK	97	mg/L
50320801	12/04/2023	ALK	97.8	mg/L
50345501	12/05/2023	ALK	95	mg/L
50363701	12/06/2023	ALK	93.5	mg/L
50382701	12/07/2023	ALK	96.9	mg/L
50410814	12/10/2023	ALK	90.4	mg/L
50430801	12/11/2023	ALK	91.1	mg/L
50457801	12/12/2023	ALK	97.4	mg/L
50475601	12/13/2023	ALK	107	mg/L
50489801	12/14/2023	ALK	110	mg/L
50520414	12/17/2023	ALK	117	mg/L
50545101	12/18/2023	ALK	103	mg/L
50568901	12/19/2023	ALK	94.1	mg/L
50587201	12/20/2023	ALK	107	mg/L
50602001	12/21/2023	ALK	102	mg/L
50624601	12/24/2023	ALK	112	mg/L
50632501	12/25/2023	ALK	107	mg/L
50641901	12/26/2023	ALK	105	mg/L
50662901	12/27/2023	ALK	109	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Alkalinity -SM 2320B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
50678501	12/28/2023	ALK	114	mg/L
50710101	12/31/2023	ALK	104	mg/L
50718101	01/01/2024	ALK	102	mg/L
50743201	01/02/2024	ALK	106	mg/L
50759810	01/03/2024	ALK	110	mg/L
50777901	01/04/2024	ALK	115	mg/L
50807101	01/07/2024	ALK	111	mg/L
50821010	01/08/2024	ALK	102	mg/L
50850701	01/09/2024	ALK	99.3	mg/L
50881201	01/10/2024	ALK	98.1	mg/L
50909401	01/11/2024	ALK	102	mg/L
50935401	01/14/2024	ALK	108	mg/L
50938301	01/15/2024	ALK	93.1	mg/L
50965201	01/16/2024	ALK	82.2	mg/L
50982410	01/17/2024	ALK	80.9	mg/L
51005501	01/18/2024	ALK	95.5	mg/L
51027801	01/21/2024	ALK	96.4	mg/L
51047701	01/22/2024	ALK	106	mg/L
51066801	01/23/2024	ALK	122	mg/L
51086501	01/24/2024	ALK	154	mg/L
51100701	01/25/2024	ALK	139	mg/L
51131201	01/28/2024	ALK	137	mg/L
51148101	01/29/2024	ALK	135	mg/L
51169801	01/30/2024	ALK	141	mg/L
51186001	01/31/2024	ALK	139	mg/L
51203201	02/01/2024	ALK	139	mg/L
51231601	02/04/2024	ALK	124	mg/L
51255901	02/05/2024	ALK	126	mg/L
51283401	02/06/2024	ALK	122	mg/L
51307701	02/07/2024	ALK	122	mg/L
51323801	02/08/2024	ALK	127	mg/L
51351501	02/11/2024	ALK	138	mg/L
51372301	02/12/2024	ALK	137	mg/L
51400801	02/13/2024	ALK	132	mg/L
51421401	02/14/2024	ALK	134	mg/L
51433701	02/15/2024	ALK	142	mg/L
51465901	02/18/2024	ALK	142	mg/L

Austin Water Laboratory-Environmental Analytical Services
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Pollutant Analysis of Treated Effluent
Alkalinity -SM 2320B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
51474301	02/19/2024	ALK	142	mg/L
51491601	02/20/2024	ALK	146	mg/L
51516501	02/21/2024	ALK	144	mg/L
51532701	02/22/2024	ALK	134	mg/L
51562701	02/25/2024	ALK	133	mg/L
51581301	02/26/2024	ALK	134	mg/L
51602001	02/27/2024	ALK	145	mg/L
51619001	02/28/2024	ALK	135	mg/L
51633201	02/29/2024	ALK	138	mg/L
51662901	03/03/2024	ALK	146	mg/L
51682001	03/04/2024	ALK	155	mg/L
51704001	03/05/2024	ALK	149	mg/L
51716701	03/06/2024	ALK	138	mg/L
51730501	03/07/2024	ALK	133	mg/L
51761401	03/10/2024	ALK	126	mg/L
51784501	03/11/2024	ALK	122	mg/L
51806901	03/12/2024	ALK	129	mg/L
51820001	03/13/2024	ALK	130	mg/L
51836401	03/14/2024	ALK	132	mg/L
51867701	03/17/2024	ALK	126	mg/L
51888301	03/18/2024	ALK	123	mg/L
51908801	03/19/2024	ALK	147	mg/L
51936201	03/20/2024	ALK	146	mg/L
51955201	03/21/2024	ALK	137	mg/L
51990703	03/24/2024	ALK	124	mg/L
52013501	03/25/2024	ALK	122	mg/L
52029501	03/26/2024	ALK	125	mg/L
52048901	03/27/2024	ALK	123	mg/L
52069301	03/28/2024	ALK	119	mg/L
52101701	03/31/2024	ALK	98.8	mg/L
52124701	04/01/2024	ALK	98.2	mg/L
52149001	04/02/2024	ALK	109	mg/L
52172901	04/03/2024	ALK	122	mg/L
52191701	04/04/2024	ALK	113	mg/L
52222101	04/07/2024	ALK	92.8	mg/L
52232901	04/08/2024	ALK	92.5	mg/L
52248101	04/09/2024	ALK	112	mg/L

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Alkalinity -SM 2320B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
52272201	04/10/2024	ALK	115	mg/L
52292101	04/11/2024	ALK	125	mg/L
52329501	04/14/2024	ALK	107	mg/L
52350201	04/15/2024	ALK	106	mg/L
52373401	04/16/2024	ALK	110	mg/L
52392801	04/17/2024	ALK	115	mg/L
52411601	04/18/2024	ALK	118	mg/L
52440201	04/21/2024	ALK	113	mg/L
52458101	04/22/2024	ALK	113	mg/L
52479801	04/23/2024	ALK	119	mg/L
52498801	04/24/2024	ALK	114	mg/L
52512901	04/25/2024	ALK	106	mg/L
52547001	04/28/2024	ALK	103	mg/L
52560701	04/29/2024	ALK	106	mg/L
52577201	04/30/2024	ALK	120	mg/L
52590701	05/01/2024	ALK	124	mg/L

Average Concentration= 107
Maximum= 155
# of samples= 238
Sample Type= Composite

ATTACHMENT 9

OPERATOR LIST

SAR OPERATOR LICENSE'S

NUMBER	NAME	TCEQ WW LICENSE TYPE	LICENSE NUMBER	
1	ODONNELL, RICHARD	A	WW0004732	
2	GIACOMEL, ERIC	A	WW0000949	
3	REEH, MARK	B	WW0050796	
4	MANCUSO, CHRIS	B	WW0066776	
5	BUSTILLOS, OSCAR	B	WW0040699	
6	COLLEY, TOMMY	B	WW0036536	
7	DAVILLA, VINCENT	B	WW0062396	
8	FORD, RANDY	B	WW0058721	
9	KELLEHER, JOSEPH(JAY)	B	WW0058005	
10	PROCHNOW, MARK	B	WW0069724	
11	LUCIO, YSIDRO	B	WW0057777	
12	LUNA, TONY	B	WW0048670	
13	MELLOR, WILLIAM(BILL)	B	WW0058334	
14	MONTOYA, LEE	B	WW0038184	
15	WRIGHT, CHARLES	B	WW0000232	
16	YOUNGBLOOD, JAMES	B	WW0060891	
17	RODRIGUEZ, ADAM	B	WW0044850	
18	TRISTAN CASTILLEJA, FILIBERTO	B	WW0067610	
19	WASSON, KEITH	B	WW0007631	
20	FILHO, FRANCISCO	C	WW0057802	
21	HILL, BRANDON	C	WW0054449	
22	COSME, CHRISTOPHER	C	WW0067807	
23	BERNAL, PATRICK	C	WW0069165	
24	JUMPER, ANTONIO	C	WW0067690	
25	LOPEZ, EFRAIN	D	WW0069723	
26	ZEPEDA, ENRIQUE	D	WW0068525	NEW LICENSE
27	DISTEFANO, JUSTIN	C	WW0073857	NEW EMPLOYEE
28	JACKSON, JESSE	OPERATOR IN TRAINING		NEW EMPLOYEE

JAN 3 2024

# of A Operators=	2
# of B Operators=	17
# of C Operators=	5
# of D Operators=	2

ATTACHMENT 10

SLUDGE STATEMENT

City of Austin - Austin Water
South Austin Regional Wastewater Treatment Plant
TCEQ Permit -WQ0010543012

Application for Domestic WWTP-TCEQ Form 100054-Technical Report
Transported Sludge Statement

CN600135198 RN101607794 TX0071889 WQ0010543012

Sludge produced at the South Austin Regional WWTP, an Austin Water facility, is transferred via pipeline to an Austin Water permitted sludge processing facility, Hornsby Bend Biosolids Management Plant, WQ0003823000.

ATTACHMENT 11

POLLUTANT ANALYSIS LABORATORY REPORTS

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
TCEQ Permit -WQ0010543012
Application for Domestic WWTP

See contracted laboratory reports
Pollutant Analysis of Treated Effluent
TTHM (Total Trihalomethanes) EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	TTHM	54.0	ug/L
47133802	05/16/2023	TTHM	56.8	ug/L
47133803	05/16/2023	TTHM	67.0	ug/L
47133804	05/16/2023	TTHM	64.4	ug/L
49943301	11/08/2023	TTHM	37.0	ug/L
49943302	11/08/2023	TTHM	49.0	ug/L
49943303	11/08/2023	TTHM	61.4	ug/L
49943304	11/08/2023	TTHM	44.6	ug/L

Average Concentration= 54.3
Maximum= 67.0
# of samples= 8
Sample Type= Composite

City of Austin - Austin Water
South Austin Regional (SAR) WWTP
TCEQ Permit -WQ0010543012
Application for Domestic WWTP

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Nitrate SM 4500-NO3 D

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result (mg/L)	Final Result	Units
46930701	05/03/2023	NO3-N	23.6	23600	ug/L
47017001	05/09/2023	NO3-N	27.4	27400	ug/L
47122401	05/16/2023	NO3-N	23.8	23800	ug/L
47234601	05/23/2023	NO3-N	26.0	26000	ug/L
47330301	05/30/2023	NO3-N	23.5	23500	ug/L
47445401	06/06/2023	NO3-N	20.1	20100	ug/L
47564101	06/13/2023	NO3-N	20.2	20200	ug/L
47674401	06/20/2023	NO3-N	22.9	22900	ug/L
47799501	06/27/2023	NO3-N	23.4	23400	ug/L
47908901	07/04/2023	NO3-N	27.4	27400	ug/L
48034801	07/11/2023	NO3-N	24.8	24800	ug/L
48137401	07/18/2023	NO3-N	25.4	25400	ug/L
48226601	07/25/2023	NO3-N	25.5	25500	ug/L
48344801	08/01/2023	NO3-N	24.6	24600	ug/L
48453001	08/08/2023	NO3-N	16.5	16500	ug/L
48566301	08/15/2023	NO3-N	27.1	27100	ug/L
48662501	08/22/2023	NO3-N	24.9	24900	ug/L
48766201	08/29/2023	NO3-N	30.5	30500	ug/L
48873401	09/05/2023	NO3-N	27.6	27600	ug/L
48995201	09/12/2023	NO3-N	21.1	21100	ug/L
49088101	09/19/2023	NO3-N	18.5	18500	ug/L
49204201	09/26/2023	NO3-N	24.6	24600	ug/L
49323501	10/03/2023	NO3-N	22.6	22600	ug/L
49454201	10/10/2023	NO3-N	25.0	25000	ug/L
49578601	10/17/2023	NO3-N	25.5	25500	ug/L
49695101	10/24/2023	NO3-N	20.4	20400	ug/L
49805701	10/31/2023	NO3-N	23.4	23400	ug/L
49928301	11/07/2023	NO3-N	23.4	23400	ug/L
50035501	11/14/2023	NO3-N	19.6	19600	ug/L
50151601	11/21/2023	NO3-N	22.1	22100	ug/L
50232201	11/28/2023	NO3-N	23.7	23700	ug/L

Average Concentration= 23713
Maximum= 30500
# of samples= 31
Sample Type= Composite

See Subcontracted Laboratory Reports

Chromium (Tri) *Determined by subtracting hexavalent Cr from total Cr.

	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of samples
Chromium (Total)	3	3	5
Chromium (Hex)	3	3	6
Chromium (Tri)	0	0	

Average Concentration= 0

Maximum= 0

# of samples= 11

Sample Type= Composite

See Subcontracted Laboratory Reports
Toxaphene [8001-35-2] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	8001-35-2	<0.158	ug/L
49943305	11/08/2023	8001-35-2	<0.190	ug/L

Average Concentration= < 0.174
Maximum= < 0.190
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Polychlorinated Biphenyls (PCB's)

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	12674-11-2	<0.187	ug/L
49943305	11/08/2023	12674-11-2	<0.191	ug/L
47133805	05/15/2023	11096-82-5	<0.187	ug/L
49943305	11/08/2023	11096-82-5	<0.190	ug/L
47133805	05/15/2023	12672-29-6	<0.187	ug/L
49943305	11/08/2023	12672-29-6	<0.190	ug/L
47133805	05/15/2023	11141-16-5	<0.187	ug/L
49943305	11/08/2023	11141-16-5	<0.190	ug/L
47133805	05/15/2023	11104-28-2	<0.187	ug/L
49943305	11/08/2023	11104-28-2	<0.190	ug/L
47133805	05/15/2023	11097-69-1	<0.187	ug/L
49943305	11/08/2023	11097-69-1	<0.190	ug/L
47133805	05/15/2023	53469-21-9	<0.187	ug/L
49943305	11/08/2023	53469-21-9	<0.190	ug/L

Average Concentration= < 0.189
Maximum= < 0.191
# of samples= 14
Sample Type= Composite

See Subcontracted Laboratory Reports
PCB-1016 [12674-11-2] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	12674-11-2	<0.187	ug/L
49943305	11/08/2023	12674-11-2	<0.191	ug/L

Average Concentration= < 0.189
Maximum= < 0.191
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
PCB-1260 [11096-82-5] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	11096-82-5	<0.187	ug/L
49943305	11/08/2023	11096-82-5	<0.190	ug/L

Average Concentration= < 0.189
Maximum= < 0.190
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
PCB-1248 [12672-29-6] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	12672-29-6	<0.187	ug/L
49943305	11/08/2023	12672-29-6	<0.190	ug/L

Average Concentration= < 0.189
Maximum= < 0.190
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
PCB-1232 [11141-16-5] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	11141-16-5	<0.187	ug/L
49943305	11/08/2023	11141-16-5	<0.190	ug/L

Average Concentration= < 0.189
Maximum= < 0.190
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
PCB-1221 [11104-28-2] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	11104-28-2	<0.187	ug/L
49943305	11/08/2023	11104-28-2	<0.190	ug/L

Average Concentration= < 0.189
Maximum= < 0.190
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
PCB-1254 [11097-69-1] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	11097-69-1	<0.187	ug/L
49943305	11/08/2023	11097-69-1	<0.190	ug/L

Average Concentration= < 0.189
Maximum= < 0.190
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
PCB-1242 [53469-21-9] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	53469-21-9	<0.187	ug/L
49943305	11/08/2023	53469-21-9	<0.190	ug/L

Average Concentration= < 0.189
Maximum= < 0.190
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Endrin Aldehyde [7421-93-4] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	7421-93-4	<0.00937	ug/L
49943305	11/08/2023	7421-93-4	<0.00948	ug/L

Average Concentration= < 0.00943
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
delta-BHC (Hexachlorocyclohexane) [319-86-8] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	319-86-8	<0.00937	ug/L
49943305	11/08/2023	319-86-8	<0.00948	ug/L

Average Concentration= < 0.00943
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
1,2,4-Trichlorobenzene [120-82-1] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	120-82-1	<0.943	ug/L
49943305	11/08/2023	120-82-1	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pyrene [129-00-0] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	129-00-0	<0.943	ug/L
49943305	11/08/2023	129-00-0	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
N-Nitrosodiphenylamine [86-30-6] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	86-30-6	<0.943	ug/L
49943305	11/08/2023	86-30-6	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
N-Nitrosodi-n-Propylamine [621-64-7] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	621-64-7	<0.943	ug/L
49943305	11/08/2023	621-64-7	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
N-Nitrosodimethylamine [62-75-9] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	62-75-9	<6.60	ug/L
49943305	11/08/2023	62-75-9	<6.61	ug/L

Average Concentration= < 6.61
Maximum= < 6.61
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Naphthalene [91-20-3] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	91-20-3	<0.943	ug/L
49943305	11/08/2023	91-20-3	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Isophorone [78-59-1] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	78-59-1	<0.943	ug/L
49943305	11/08/2023	78-59-1	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Indeno(1,2,3-cd)pyrene [193-39-5] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	193-39-5	<0.943	ug/L
49943305	11/08/2023	193-39-5	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Fluorene [86-73-7] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	86-73-7	<0.943	ug/L
49943305	11/08/2023	86-73-7	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Fluoranthene [206-44-0] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	206-44-0	<0.943	ug/L
49943305	11/08/2023	206-44-0	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports

Pollutant Analysis of Treated Effluent

1,2-Diphenylhydrazine (as Azo-benzene) [122-66-7] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	122-66-7	<0.943	ug/L
49943305	11/08/2023	122-66-7	<0.944	ug/L

Average Concentration= < 0.944

Maximum= < 0.944

# of samples= 2

Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Di-n-Octyl Phthalate [117-84-0] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	117-84-0	<0.943	ug/L
49943305	11/08/2023	117-84-0	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
2,6-Dinitrotoluene [606-20-2] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	606-20-2	<0.943	ug/L
49943305	11/08/2023	606-20-2	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
2,4-Dinitrotoluene [121-14-2] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	121-14-2	<3.30	ug/L
49943305	11/08/2023	121-14-2	<3.31	ug/L

Average Concentration= < 3.31
Maximum= < 3.31
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Dimethyl Phthalate [131-11-3] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	131-11-3	<4.53	ug/L
49943305	11/08/2023	131-11-3	<4.53	ug/L

Average Concentration= < 4.53
Maximum= < 4.53
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Diethyl Phthalate [84-66-2] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	84-66-2	<5.38	ug/L
49943305	11/08/2023	84-66-2	<5.38	ug/L

Average Concentration= < 5.38
Maximum= < 5.38
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Dibenzo(a,h)Anthracene [53-70-3] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	53-70-3	<0.943	ug/L
49943305	11/08/2023	53-70-3	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
4-Chlorophenyl phenyl ether [7005-72-3] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	7005-72-3	<0.943	ug/L
49943305	11/08/2023	7005-72-3	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
2-Chloronaphthalene [91-58-7] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	91-58-7	<0.943	ug/L
49943305	11/08/2023	91-58-7	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Butyl Benzyl Phthalate [85-68-7] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	85-68-7	<7.08	ug/L
49943305	11/08/2023	85-68-7	<7.08	ug/L

Average Concentration= < 7.08
Maximum= < 7.08
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
4-Bromophenyl Phenyl Ether [101-55-3] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	101-55-3	<0.943	ug/L
49943305	11/08/2023	101-55-3	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Bis(2-Chloroisoproyl)Ether [108-60-1] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	108-60-1	<0.943	ug/L
49943305	11/08/2023	108-60-1	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Bis(2-Chloroethoxy)Methane [111-91-1] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	111-91-1	<0.943	ug/L
49943305	11/08/2023	111-91-1	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Benzo(k)Fluoranthene [207-08-9] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	207-08-9	<0.943	ug/L
49943305	11/08/2023	207-08-9	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Benzo(ghi)Perylene [191-24-2] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	191-24-2	<0.943	ug/L
49943305	11/08/2023	191-24-2	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
3,4-Benzofluoranthene [205-99-2] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	205-99-2	<0.943	ug/L
49943305	11/08/2023	205-99-2	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Acenaphthylene [208-96-8] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	208-96-8	<0.943	ug/L
49943305	11/08/2023	208-96-8	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Acenaphthene [83-32-9] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	83-32-9	<0.943	ug/L
49943305	11/08/2023	83-32-9	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
2,4,6-Trichlorophenol [88-06-2] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	88-06-2	<0.943	ug/L
49943305	11/08/2023	88-06-2	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Phenol [108-95-2] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	108-95-2	<1.42	ug/L
49943305	11/08/2023	108-95-2	<1.42	ug/L

Average Concentration= < 1.42
Maximum= < 1.42
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
4-Nitrophenol [100-02-7] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	100-02-7	<0.943	ug/L
49943305	11/08/2023	100-02-7	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
2-Nitrophenol [88-75-5] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	88-75-5	<0.943	ug/L
49943305	11/08/2023	88-75-5	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
2,4-Dinitrophenol [51-28-5] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	51-28-5	<8.49	ug/L
49943305	11/08/2023	51-28-5	<8.50	ug/L

Average Concentration= < 8.50
Maximum= < 8.50
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
2,4-Dichlorophenol [120-83-2] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	120-83-2	<0.943	ug/L
49943305	11/08/2023	120-83-2	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
2-Chlorophenol [95-57-8] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	95-57-8	<0.943	ug/L
49943305	11/08/2023	95-57-8	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Methylene Chloride [75-09-2] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	75-09-2	<20.0	ug/L
47133802	05/16/2023	75-09-2	<20.0	ug/L
47133803	05/16/2023	75-09-2	<20.0	ug/L
47133804	05/16/2023	75-09-2	<20.0	ug/L
49943301	11/08/2023	75-09-2	<20.0	ug/L
49943302	11/08/2023	75-09-2	<20.0	ug/L
49943303	11/08/2023	75-09-2	<20.0	ug/L
49943304	11/08/2023	75-09-2	<20.0	ug/L

Average Concentration= < 20.0
Maximum= < 20.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Methyl Chloride [74-87-3] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	74-87-3	<20.0	ug/L
47133802	05/16/2023	74-87-3	<20.0	ug/L
47133803	05/16/2023	74-87-3	<20.0	ug/L
47133804	05/16/2023	74-87-3	<20.0	ug/L
49943301	11/08/2023	74-87-3	<20.0	ug/L
49943302	11/08/2023	74-87-3	<20.0	ug/L
49943303	11/08/2023	74-87-3	<20.0	ug/L
49943304	11/08/2023	74-87-3	<20.0	ug/L

Average Concentration= < 20.0
Maximum= < 20.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Methyl Bromide [74-83-9] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	74-83-9	<20.0	ug/L
47133802	05/16/2023	74-83-9	<20.0	ug/L
47133803	05/16/2023	74-83-9	<20.0	ug/L
47133804	05/16/2023	74-83-9	<20.0	ug/L
49943301	11/08/2023	74-83-9	<20.0	ug/L
49943302	11/08/2023	74-83-9	<20.0	ug/L
49943303	11/08/2023	74-83-9	<20.0	ug/L
49943304	11/08/2023	74-83-9	<20.0	ug/L

Average Concentration= < 20.0
Maximum= < 20.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
1,2-Trans-Dichloroethylene [156-60-5] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	156-60-5	<10.0	ug/L
47133802	05/16/2023	156-60-5	<10.0	ug/L
47133803	05/16/2023	156-60-5	<10.0	ug/L
47133804	05/16/2023	156-60-5	<10.0	ug/L
49943301	11/08/2023	156-60-5	<10.0	ug/L
49943302	11/08/2023	156-60-5	<10.0	ug/L
49943303	11/08/2023	156-60-5	<10.0	ug/L
49943304	11/08/2023	156-60-5	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
1,1-Dichloroethane [75-34-3] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	75-34-3	<10.0	ug/L
47133802	05/16/2023	75-34-3	<10.0	ug/L
47133803	05/16/2023	75-34-3	<10.0	ug/L
47133804	05/16/2023	75-34-3	<10.0	ug/L
49943301	11/08/2023	75-34-3	<10.0	ug/L
49943302	11/08/2023	75-34-3	<10.0	ug/L
49943303	11/08/2023	75-34-3	<10.0	ug/L
49943304	11/08/2023	75-34-3	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports

Pollutant Analysis of Treated Effluent

Dichlorobromomethane (Bromodichloromethane) [75-27-4] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	75-27-4	18.1	ug/L
47133802	05/16/2023	75-27-4	19.8	ug/L
47133803	05/16/2023	75-27-4	23.3	ug/L
47133804	05/16/2023	75-27-4	22.4	ug/L
49943301	11/08/2023	75-27-4	13.6	ug/L
49943302	11/08/2023	75-27-4	17.8	ug/L
49943303	11/08/2023	75-27-4	22.3	ug/L
49943304	11/08/2023	75-27-4	16.4	ug/L

Average Concentration= 19.4

Maximum= 22.3

# of samples= 8

Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
2-Chloroethylvinyl Ether [110-75-8] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	110-75-8	<10.0	ug/L
47133802	05/16/2023	110-75-8	<10.0	ug/L
47133803	05/16/2023	110-75-8	<10.0	ug/L
47133804	05/16/2023	110-75-8	<10.0	ug/L
49943301	11/08/2023	110-75-8	<10.0	ug/L
49943302	11/08/2023	110-75-8	<10.0	ug/L
49943303	11/08/2023	110-75-8	<10.0	ug/L
49943304	11/08/2023	110-75-8	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Cloroethane [75-00-3] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	75-00-3	<10.0	ug/L
47133802	05/16/2023	75-00-3	<10.0	ug/L
47133803	05/16/2023	75-00-3	<10.0	ug/L
47133804	05/16/2023	75-00-3	<10.0	ug/L
49943301	11/08/2023	75-00-3	<10.0	ug/L
49943302	11/08/2023	75-00-3	<10.0	ug/L
49943303	11/08/2023	75-00-3	<10.0	ug/L
49943304	11/08/2023	75-00-3	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Acrolein [107-02-8] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	107-02-8	<50.0	ug/L
47133802	05/16/2023	107-02-8	<50.0	ug/L
47133803	05/16/2023	107-02-8	<50.0	ug/L
47133804	05/16/2023	107-02-8	<50.0	ug/L
49943301	11/08/2023	107-02-8	<50.0	ug/L
49943302	11/08/2023	107-02-8	<50.0	ug/L
49943303	11/08/2023	107-02-8	<50.0	ug/L
49943304	11/08/2023	107-02-8	<50.0	ug/L

Average Concentration= < 50.0
Maximum= < 50.0
# of samples= 8
Sample Type= Composite

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Beryllium EPA Method 200.8

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47704401	06/22/2023	BE	<0.500	ug/L
48479901	08/10/2023	BE	<0.500	ug/L
49722201	10/26/2023	BE	<0.500	ug/L
50593401	12/21/2023	BE	<0.500	ug/L
51523601	02/22/2024	BE	<0.500	ug/L

Average Concentration= < 0.500
Maximum= < 0.500
# of samples= 5
Sample Type= Composite

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Zinc EPA Method 200.8

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47704401	06/22/2023	ZN	34.5	ug/L
48479901	08/10/2023	ZN	26.6	ug/L
49722201	10/26/2023	ZN	24.2	ug/L
50593401	12/21/2023	ZN	25.3	ug/L
51523601	02/22/2024	ZN	25.1	ug/L

Average Concentration= 27.1
Maximum= 34.5
# of samples= 5
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Vinyl Chloride [75-01-4] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	75-01-4	<10.0	ug/L
47133802	05/16/2023	75-01-4	<10.0	ug/L
47133803	05/16/2023	75-01-4	<10.0	ug/L
47133804	05/16/2023	75-01-4	<10.0	ug/L
49943301	11/08/2023	75-01-4	<10.0	ug/L
49943302	11/08/2023	75-01-4	<10.0	ug/L
49943303	11/08/2023	75-01-4	<10.0	ug/L
49943304	11/08/2023	75-01-4	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
2,4,5-Trichlorophenol [95-95-4] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	95-95-4	<0.943	ug/L
49943305	11/08/2023	95-95-4	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Trichloroethylene [79-01-6] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	79-01-6	<10.0	ug/L
47133802	05/16/2023	79-01-6	<10.0	ug/L
47133803	05/16/2023	79-01-6	<10.0	ug/L
47133804	05/16/2023	79-01-6	<10.0	ug/L
49943301	11/08/2023	79-01-6	<10.0	ug/L
49943302	11/08/2023	79-01-6	<10.0	ug/L
49943303	11/08/2023	79-01-6	<10.0	ug/L
49943304	11/08/2023	79-01-6	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
1,1,2-Trichloroethane [79-00-5] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	79-00-5	<10.0	ug/L
47133802	05/16/2023	79-00-5	<10.0	ug/L
47133803	05/16/2023	79-00-5	<10.0	ug/L
47133804	05/16/2023	79-00-5	<10.0	ug/L
49943301	11/08/2023	79-00-5	<10.0	ug/L
49943302	11/08/2023	79-00-5	<10.0	ug/L
49943303	11/08/2023	79-00-5	<10.0	ug/L
49943304	11/08/2023	79-00-5	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
1,1,1-Trichloroethane [71-55-6] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	71-55-6	<10.0	ug/L
47133802	05/16/2023	71-55-6	<10.0	ug/L
47133803	05/16/2023	71-55-6	<10.0	ug/L
47133804	05/16/2023	71-55-6	<10.0	ug/L
49943301	11/08/2023	71-55-6	<10.0	ug/L
49943302	11/08/2023	71-55-6	<10.0	ug/L
49943303	11/08/2023	71-55-6	<10.0	ug/L
49943304	11/08/2023	71-55-6	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
2,4,5-TP (Silvex) [93-72-1] EPA Method 615

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	93-72-1	<0.190	ug/L
49943305	11/08/2023	93-72-1	<0.190	ug/L

Average Concentration= < 0.190
Maximum= < 0.190
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Toluene [108-88-3] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	108-88-3	<10.0	ug/L
47133802	05/16/2023	108-88-3	<10.0	ug/L
47133803	05/16/2023	108-88-3	<10.0	ug/L
47133804	05/16/2023	108-88-3	<10.0	ug/L
49943301	11/08/2023	108-88-3	<10.0	ug/L
49943302	11/08/2023	108-88-3	<10.0	ug/L
49943303	11/08/2023	108-88-3	<10.0	ug/L
49943304	11/08/2023	108-88-3	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

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Pollutant Analysis of Treated Effluent
Thallium EPA Method 200.8

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47704401	06/22/2023	TL	<0.500	ug/L
48479901	08/10/2023	TL	<0.500	ug/L
49722201	10/26/2023	TL	<0.500	ug/L
50593401	12/21/2023	TL	<0.500	ug/L
51523601	02/22/2024	TL	<0.500	ug/L

Average Concentration= < 0.500
Maximum= < 0.500
# of samples= 5
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Tetrachloroethylene [127-18-4] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	127-18-4	<10.0	ug/L
47133802	05/16/2023	127-18-4	<10.0	ug/L
47133803	05/16/2023	127-18-4	<10.0	ug/L
47133804	05/16/2023	127-18-4	<10.0	ug/L
49943301	11/08/2023	127-18-4	<10.0	ug/L
49943302	11/08/2023	127-18-4	<10.0	ug/L
49943303	11/08/2023	127-18-4	<10.0	ug/L
49943304	11/08/2023	127-18-4	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
1,1,2,2-Tetrachloroethane [79-34-5] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	79-34-5	<10.0	ug/L
47133802	05/16/2023	79-34-5	<10.0	ug/L
47133803	05/16/2023	79-34-5	<10.0	ug/L
47133804	05/16/2023	79-34-5	<10.0	ug/L
49943301	11/08/2023	79-34-5	<10.0	ug/L
49943302	11/08/2023	79-34-5	<10.0	ug/L
49943303	11/08/2023	79-34-5	<10.0	ug/L
49943304	11/08/2023	79-34-5	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
1,2,4,5-Tetrachlorobenzene [95-94-3] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	95-94-3	<0.943	ug/L
49943305	11/08/2023	95-94-3	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

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Pollutant Analysis of Treated Effluent
Silver EPA Method 200.8

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47704401	06/22/2023	AG	<0.500	ug/L
48479901	08/10/2023	AG	<0.500	ug/L
49722201	10/26/2023	AG	<0.500	ug/L
50593401	12/21/2023	AG	<0.500	ug/L
51523601	02/22/2024	AG	<0.500	ug/L

Average Concentration= < 0.500
Maximum= < 0.500
# of samples= 5
Sample Type= Composite

Austin Water Laboratory-Environmental Analytical Services
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Pollutant Analysis of Treated Effluent
Selenium EPA Method 200.8

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47704401	06/22/2023	SE	<5.00	ug/L
48479901	08/10/2023	SE	<5.00	ug/L
49722201	10/26/2023	SE	<5.00	ug/L
50593401	12/21/2023	SE	<5.00	ug/L
51523601	02/22/2024	SE	<5.00	ug/L

Average Concentration= < 5.00
Maximum= < 5.00
# of samples= 5
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Pyridine [110-86-1] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	110-86-1	<5.09	ug/L
49943305	11/08/2023	110-86-1	<5.10	ug/L

Average Concentration= < 5.10
Maximum= < 5.10
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Phenanthrene [85-01-8] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	85-01-8	<0.943	ug/L
49943305	11/08/2023	85-01-8	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Pentachlorophenol [87-86-5] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	87-86-5	<0.943	ug/L
49943305	11/08/2023	87-86-5	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Pentachlorobenzene [608-93-5] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	608-93-5	<0.943	ug/L
49943305	11/08/2023	608-93-5	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Parathion (ethyl) [56-38-2] EPA Method 1657

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	56-38-2	<0.0469	ug/L
49943305	11/08/2023	56-38-2	<0.0474	ug/L

Average Concentration= < 0.0472
Maximum= < 0.0474
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Nonylphenol [25154-52-3] ASTM D7065

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	25154-52-3	<33.2	ug/L
49943305	11/08/2023	25154-52-3	<33.4	ug/L

Average Concentration= < 33.3
Maximum= < 33.4
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
N-Nitroso-di-n-Butylamine [924-16-3] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	924-16-3	<0.943	ug/L
49943305	11/08/2023	924-16-3	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
N- Nitrosodiethylamine [55-18-5] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	55-18-5	<0.943	ug/L
49943305	11/08/2023	55-18-5	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Nitrobenzene [98-95-3] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	98-95-3	<0.943	ug/L
49943305	11/08/2023	98-95-3	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

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Pollutant Analysis of Treated Effluent
Nickel EPA Method 200.8

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47704401	06/22/2023	NI	2.50	ug/L
48479901	08/10/2023	NI	2.65	ug/L
49722201	10/26/2023	NI	2.06	ug/L
50593401	12/21/2023	NI	2.35	ug/L
51523601	02/22/2024	NI	3.49	ug/L

Average Concentration= 2.61
Maximum= 3.49
# of samples= 5
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Mirex [2385-85-5] EPA Method 617

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	2385-85-5	<0.00937	ug/L
49943305	11/08/2023	2385-85-5	<0.00948	ug/L

Average Concentration= < 0.00943
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Methyl Ethyl Ketone [78-93-3] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	78-93-3	<50.0	ug/L
47133802	05/16/2023	78-93-3	<50.0	ug/L
47133803	05/16/2023	78-93-3	<50.0	ug/L
47133804	05/16/2023	78-93-3	<50.0	ug/L
49943301	11/08/2023	78-93-3	<50.0	ug/L
49943302	11/08/2023	78-93-3	<50.0	ug/L
49943303	11/08/2023	78-93-3	<50.0	ug/L
49943304	11/08/2023	78-93-3	<50.0	ug/L

Average Concentration= < 50.0
Maximum= < 50.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Methoxychlor [72-43-5] EPA Method 617

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	72-43-5	<0.00937	ug/L
49943305	11/08/2023	72-43-5	<0.00948	ug/L

Average Concentration= < 0.00943
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

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Pollutant Analysis of Treated Effluent
Mercury EPA Method 245.7

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47445509	06/07/2023	Hg	<0.005	ug/L
47445510	06/07/2023	Hg	<0.005	ug/L
47459901	06/07/2023	Hg	<0.005	ug/L
47459902	06/07/2023	Hg	<0.005	ug/L
47459903	06/07/2023	Hg	<0.005	ug/L
47459904	06/07/2023	Hg	<0.005	ug/L
48563109	08/16/2023	Hg	<0.005	ug/L
48563110	08/16/2023	Hg	<0.005	ug/L
48581001	08/16/2023	Hg	<0.005	ug/L
48581002	08/16/2023	Hg	<0.005	ug/L
48581003	08/16/2023	Hg	<0.005	ug/L
48581004	08/16/2023	Hg	<0.005	ug/L
49456809	10/11/2023	Hg	<0.005	ug/L
49456810	10/11/2023	Hg	<0.005	ug/L
49484401	10/11/2023	Hg	<0.005	ug/L
49484402	10/11/2023	Hg	<0.005	ug/L
49484403	10/11/2023	Hg	<0.005	ug/L
49484404	10/11/2023	Hg	<0.005	ug/L
50452009	12/13/2023	Hg	<0.005	ug/L
50452010	12/13/2023	Hg	<0.005	ug/L
50476702	12/13/2023	Hg	<0.005	ug/L
50476703	12/13/2023	Hg	<0.005	ug/L
50476704	12/13/2023	Hg	<0.005	ug/L
50476705	12/13/2023	Hg	<0.005	ug/L
51278909	02/07/2024	Hg	<0.005	ug/L
51278910	02/07/2024	Hg	<0.005	ug/L
51303501	02/07/2024	Hg	<0.005	ug/L
51303502	02/07/2024	Hg	<0.005	ug/L
51303503	02/07/2024	Hg	<0.005	ug/L
51303504	02/07/2024	Hg	<0.005	ug/L
52256408	04/10/2024	Hg	<0.005	ug/L
52256409	04/10/2024	Hg	<0.005	ug/L
52264901	04/10/2024	Hg	<0.005	ug/L
52264902	04/10/2024	Hg	<0.005	ug/L
52264903	04/10/2024	Hg	<0.005	ug/L
52264904	04/10/2024	Hg	<0.005	ug/L

Average Concentration= < 0.005

Maximum= < 0.005

# of samples= 36

Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Malathion [121-75-5] EPA Method 1657

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	121-75-5	<0.0469	ug/L
49943305	11/08/2023	121-75-5	<0.0474	ug/L

Average Concentration= < 0.0472
Maximum= < 0.0474
# of samples= 2
Sample Type= Composite

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Pollutant Analysis of Treated Effluent
Lead EPA Method 200.8

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47704401	06/22/2023	PB	<0.500	ug/L
48479901	08/10/2023	PB	<0.500	ug/L
49722201	10/26/2023	PB	<0.500	ug/L
50593401	12/21/2023	PB	<0.500	ug/L
51523601	02/22/2024	PB	<0.500	ug/L

Average Concentration= < 0.500
Maximum= < 0.500
# of samples= 5
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Hexachlorophene [70-30-4] EPA Method 604.1

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	70-30-4	<4.74	ug/L
49943305	11/08/2023	70-30-4	<0.0237	ug/L

Average Concentration= < 2.3819
Maximum= < 4.7400
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Hexachloroethane [67-72-1] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	67-72-1	<0.943	ug/L
49943305	11/08/2023	67-72-1	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Hexachlorocyclopentadiene [77-47-4] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	77-47-4	<8.49	ug/L
49943305	11/08/2023	77-47-4	<8.50	ug/L

Average Concentration= < 8.50
Maximum= < 8.50
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
gamma-Hexachlorocyclohexane (Lindane) [58-89-9] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	58-89-9	<0.00937	ug/L
49943305	11/08/2023	58-89-9	<0.00948	ug/L

Average Concentration= < 0.00943
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Hexachlorocyclohexane (beta) [319-85-7] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	319-85-7	<0.00937	ug/L
49943305	11/08/2023	319-85-7	0.0285	ug/L

Average Concentration= < 0.01894
Maximum= < 0.02850
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Hexachlorocyclohexane (alpha) [319-84-6] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	319-84-6	<0.00937	ug/L
49943305	11/08/2023	319-84-6	<0.00948	ug/L

Average Concentration= < 0.00943
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Hexachlorobutadiene [87-68-3] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	87-68-3	<0.943	ug/L
49943305	11/08/2023	87-68-3	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Hexachlorobenzene [118-74-1] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	118-74-1	<0.943	ug/L
49943305	11/08/2023	118-74-1	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Heptachlor Epoxide [1024-57-3] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	1024-57-3	<0.00937	ug/L
49943305	11/08/2023	1024-57-3	<0.00948	ug/L

Average Concentration= < 0.00943
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Heptachlor [76-44-8] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	76-44-8	<0.00937	ug/L
49943305	11/08/2023	76-44-8	<0.00948	ug/L

Average Concentration= < 0.00943
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Guthion [86-50-0] EPA Method 1657

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	86-50-0	<0.0469	ug/L
49943305	11/08/2023	86-50-0	<0.0474	ug/L

Average Concentration= < 0.0472
Maximum= < 0.0474
# of samples= 2
Sample Type= Composite

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Pollutant Analysis of Treated Effluent
Fluoride EPA Method 300.0

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47704401	06/22/2023	F	1670	ug/L
48479901	08/10/2023	F	2180	ug/L
49722201	10/26/2023	F	1340	ug/L
50593401	12/21/2023	F	1260	ug/L
51523601	02/22/2024	F	840	ug/L
52504301	04/25/2024	F	1230	ug/L

Average Concentration= 1420
Maximum= 2180
# of samples= 6
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Ethylbenzene [100-41-4] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	100-41-4	<10.0	ug/L
47133802	05/16/2023	100-41-4	<10.0	ug/L
47133803	05/16/2023	100-41-4	<10.0	ug/L
47133804	05/16/2023	100-41-4	<10.0	ug/L
49943301	11/08/2023	100-41-4	<10.0	ug/L
49943302	11/08/2023	100-41-4	<10.0	ug/L
49943303	11/08/2023	100-41-4	<10.0	ug/L
49943304	11/08/2023	100-41-4	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Endrin [72-20-8] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	72-20-8	<0.00937	ug/L
49943305	11/08/2023	72-20-8	<0.00948	ug/L

Average Concentration= < 0.00943
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Endosulfan Sulfate [1031-07-8] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	1031-07-8	<0.00937	ug/L
49943305	11/08/2023	1031-07-8	<0.00948	ug/L

Average Concentration= < 0.00943
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Endosulfan II (beta) [33213-65-9] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	33213-65-9	<0.00937	ug/L
49943305	11/08/2023	33213-65-9	<0.00948	ug/L

Average Concentration= < 0.00943
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Endosulfan I (alpha) [959-98-8] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	959-98-8	<0.00937	ug/L
49943305	11/08/2023	959-98-8	<0.00948	ug/L

Average Concentration= < 0.00943
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Diuron [330-54-1] EPA Method 632

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	330-54-1	<0.0422	ug/L
49943305	11/08/2023	330-54-1	<0.0427	ug/L

Average Concentration= < 0.0425
Maximum= < 0.0427
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Di-n-Butyl Phthalate [84-74-2] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	84-74-2	<7.08	ug/L
49943305	11/08/2023	84-74-2	<7.08	ug/L

Average Concentration= < 7.08
Maximum= < 7.08
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
2,4-Dimethylphenol [105-67-9] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	105-67-9	<2.26	ug/L
49943305	11/08/2023	105-67-9	<2.27	ug/L

Average Concentration= < 2.27
Maximum= < 2.27
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Dieldrin [60-57-1] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	60-57-1	<0.00937	ug/L
49943305	11/08/2023	60-57-1	<0.00948	ug/L

Average Concentration= < 0.00948
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Dicofol [115-32-2] EPA Method 617

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	115-32-2	<0.0469	ug/L
49943305	11/08/2023	115-32-2	<0.0474	ug/L

Average Concentration= < 0.0472
Maximum= < 0.0474
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
1,3-Dichloropropene [10061-01-5] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	10061-01-5	<10.0	ug/L
47133802	05/16/2023	10061-01-5	<10.0	ug/L
47133803	05/16/2023	10061-01-5	<10.0	ug/L
47133804	05/16/2023	10061-01-5	<10.0	ug/L
49943301	11/08/2023	10061-01-5	<10.0	ug/L
49943302	11/08/2023	10061-01-5	<10.0	ug/L
49943303	11/08/2023	10061-01-5	<10.0	ug/L
49943304	11/08/2023	10061-01-5	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
1,2-DICHLOROPROPANE [78-87-5] EPA 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	78-87-5	<10.0	ug/L
47133802	05/16/2023	78-87-5	<10.0	ug/L
47133803	05/16/2023	78-87-5	<10.0	ug/L
47133804	05/16/2023	78-87-5	<10.0	ug/L
49943301	11/08/2023	78-87-5	<10.0	ug/L
49943302	11/08/2023	78-87-5	<10.0	ug/L
49943303	11/08/2023	78-87-5	<10.0	ug/L
49943304	11/08/2023	78-87-5	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Dichloromethane [75-09-2] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	75-09-2	<20.0	ug/L
47133802	05/16/2023	75-09-2	<20.0	ug/L
47133803	05/16/2023	75-09-2	<20.0	ug/L
47133804	05/16/2023	75-09-2	<20.0	ug/L
49943301	11/08/2023	75-09-2	<20.0	ug/L
49943302	11/08/2023	75-09-2	<20.0	ug/L
49943303	11/08/2023	75-09-2	<20.0	ug/L
49943304	11/08/2023	75-09-2	<20.0	ug/L

Average Concentration= < 20.0
Maximum= < 20.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
1,1-Dichloroethylene [75-35-4] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	75-35-4	<10.0	ug/L
47133802	05/16/2023	75-35-4	<10.0	ug/L
47133803	05/16/2023	75-35-4	<10.0	ug/L
47133804	05/16/2023	75-35-4	<10.0	ug/L
49943301	11/08/2023	75-35-4	<10.0	ug/L
49943302	11/08/2023	75-35-4	<10.0	ug/L
49943303	11/08/2023	75-35-4	<10.0	ug/L
49943304	11/08/2023	75-35-4	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
1,2-Dichloroethane [107-06-2] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	107-06-2	<10.0	ug/L
47133802	05/16/2023	107-06-2	<10.0	ug/L
47133803	05/16/2023	107-06-2	<10.0	ug/L
47133804	05/16/2023	107-06-2	<10.0	ug/L
49943301	11/08/2023	107-06-2	<10.0	ug/L
49943302	11/08/2023	107-06-2	<10.0	ug/L
49943303	11/08/2023	107-06-2	<10.0	ug/L
49943304	11/08/2023	107-06-2	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
3,3'-Dichlorobenzidine [91-94-1] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	91-94-1	<4.72	ug/L
49943305	11/08/2023	91-94-1	<4.72	ug/L

Average Concentration= < 4.72
Maximum= < 4.72
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
p-Dichlorobenzene [106-46-7] EPA Method 624 and 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	106-46-7	<5.00	ug/L
47133802	05/16/2023	106-46-7	<5.00	ug/L
47133803	05/16/2023	106-46-7	<5.00	ug/L
47133804	05/16/2023	106-46-7	<5.00	ug/L
47133805	05/15/2023	106-46-7	<0.943	ug/L
49943301	11/08/2023	106-46-7	<5.00	ug/L
49943302	11/08/2023	106-46-7	<5.00	ug/L
49943303	11/08/2023	106-46-7	<5.00	ug/L
49943304	11/08/2023	106-46-7	<5.00	ug/L
49943305	11/08/2023	106-46-7	<0.944	ug/L

Average Concentration= < 4.189
Maximum= < 5.000
# of samples= 10
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
o-Dichlorobenzene [95-50-1] EPA Method 624 and 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	95-50-1	<5.00	ug/L
47133802	05/16/2023	95-50-1	<5.00	ug/L
47133803	05/16/2023	95-50-1	<5.00	ug/L
47133804	05/16/2023	95-50-1	<5.00	ug/L
47133805	05/15/2023	95-50-1	<0.943	ug/L
49943301	11/08/2023	95-50-1	<5.00	ug/L
49943302	11/08/2023	95-50-1	<5.00	ug/L
49943303	11/08/2023	95-50-1	<5.00	ug/L
49943304	11/08/2023	95-50-1	<5.00	ug/L
49943305	11/08/2023	95-50-1	<0.944	ug/L

Average Concentration= < 4.189
Maximum= < 5.000
# of samples= 10
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
m-Dichlorobenzene [541-73-1] EPA Method 624 and 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	541-73-1	<5.00	ug/L
47133802	05/16/2023	541-73-1	<5.00	ug/L
47133803	05/16/2023	541-73-1	<5.00	ug/L
47133804	05/16/2023	541-73-1	<5.00	ug/L
47133805	05/15/2023	541-73-1	<0.943	ug/L
49943301	11/08/2023	541-73-1	<5.00	ug/L
49943302	11/08/2023	541-73-1	<5.00	ug/L
49943303	11/08/2023	541-73-1	<5.00	ug/L
49943304	11/08/2023	541-73-1	<5.00	ug/L
49943305	11/08/2023	541-73-1	<0.944	ug/L

Average Concentration= < 4.189
Maximum= < 5.000
# of samples= 10
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
1,2-Dibromoethane [106-93-4] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	106-93-4	<2	ug/L
47133802	05/16/2023	106-93-4	<2	ug/L
47133803	05/16/2023	106-93-4	<2	ug/L
47133804	05/16/2023	106-93-4	<2	ug/L
49943301	11/08/2023	106-93-4	<2	ug/L
49943302	11/08/2023	106-93-4	<2	ug/L
49943303	11/08/2023	106-93-4	<2	ug/L
49943304	11/08/2023	106-93-4	<2	ug/L

Average Concentration= < 2
Maximum= < 2
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Diazinon [333-41-5] EPA Method 1657

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	333-41-5	<0.0469	ug/L
49943305	11/08/2023	333-41-5	<0.0474	ug/L

Average Concentration= < 0.0472
Maximum= < 0.0474
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Demeton (O and S) [8065-48-3] EPA Method 1657

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	8065-48-3	<0.0469	ug/L
49943305	11/08/2023	8065-48-3	<0.0474	ug/L

Average Concentration= < 0.0472
Maximum= < 0.0474
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
2,4-D [94-75-7] EPA Method 615

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	94-75-7	<0.190	ug/L
49943305	11/08/2023	94-75-7	<0.190	ug/L

Average Concentration= < 0.190
Maximum= < 0.190
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
4,4'-DDT [50-29-3] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	50-29-3	<0.00937	ug/L
49943305	11/08/2023	50-29-3	<0.00948	ug/L

Average Concentration= < 0.00943
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
4,4'-DDE [72-55-9] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	72-55-9	<0.00937	ug/L
49943305	11/08/2023	72-55-9	<0.00948	ug/L

Average Concentration= < 0.00943
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
4,4'-DDD [72-54-8] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	72-54-8	<0.00937	ug/L
49943305	11/08/2023	72-54-8	<0.00948	ug/L

Average Concentration= < 0.00943
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Cyanide SM 4500-CN BCE

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47445509	06/07/2023	CN	<10	ug/L
47445510	06/07/2023	CN	<10	ug/L
47459901	06/07/2023	CN	<10	ug/L
47459902	06/07/2023	CN	<10	ug/L
48563109	08/16/2023	CN	<10	ug/L
48563110	08/16/2023	CN	<10	ug/L
48581001	08/16/2023	CN	<10	ug/L
48581002	08/16/2023	CN	<10	ug/L
49575805	10/18/2023	CN	<10	ug/L
49575806	10/18/2023	CN	<10	ug/L
49592701	10/18/2023	CN	<10	ug/L
49592702	10/18/2023	CN	<10	ug/L
50452009	12/13/2023	CN	48.2	ug/L
50452010	12/13/2023	CN	19.0	ug/L
50476702	12/13/2023	CN	<10	ug/L
50476703	12/13/2023	CN	<10	ug/L
51278909	02/07/2024	CN	<10	ug/L
51278910	02/07/2024	CN	<10	ug/L
51303501	02/07/2024	CN	<10	ug/L
51303502	02/07/2024	CN	<10	ug/L
52256408	04/10/2024	CN	<10	ug/L
52256409	04/10/2024	CN	<10	ug/L
52264901	04/10/2024	CN	12.6	ug/L
52264902	04/10/2024	CN	16.9	ug/L

Average Concentration= < 12.4
Maximum= < 48.2
# of samples= 24
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
p-Cresol EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	m/p-Cresol	<5.85	ug/L
49943305	11/08/2023	m/p-Cresol	<5.85	ug/L

Average Concentration= < 5.85
Maximum= < 5.85
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
4.6-Dinitro-o-Cresol [534-52-1] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	534-52-1	<7.55	ug/L
49943305	11/08/2023	534-52-1	<7.55	ug/L

Average Concentration= < 7.55
Maximum= < 7.55
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
p-Chloro-m-Cresol [59-50-7] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	59-50-7	<2.26	ug/L
49943305	11/08/2023	59-50-7	<2.27	ug/L

Average Concentration= < 2.27
Maximum= < 2.27
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Chrysene [218-01-9] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	218-01-9	<0.943	ug/L
49943305	11/08/2023	218-01-9	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Copper EPA Method 200.8

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47704401	06/22/2023	CU	3.93	ug/L
48479901	08/10/2023	CU	3.02	ug/L
49722201	10/26/2023	CU	2.07	ug/L
50593401	12/21/2023	CU	<2.00	ug/L
51523601	02/22/2024	CU	2.03	ug/L

Average Concentration= < 2.61
Maximum= < 3.93
# of samples= 5
Sample Type= Composite

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Chromium (Hex) SM 3500-CR B

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47704401	06/22/2023	Cr 6+	<3.0	ug/L
48479901	08/10/2023	Cr 6+	<3.0	ug/L
49722201	10/26/2023	Cr 6+	<3.0	ug/L
50593401	12/21/2023	Cr 6+	<3.0	ug/L
51523601	02/22/2024	Cr 6+	<3.0	ug/L
52504301	04/25/2024	Cr 6+	<3.0	ug/L

Average Concentration= < 3.0
Maximum= < 3.0
# of samples= 6
Sample Type= Composite

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Chromium (Total) EPA Method 200.8

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47704401	06/22/2023	CR	<3.00	ug/L
48479901	08/10/2023	CR	<3.00	ug/L
49722201	10/26/2023	CR	<3.00	ug/L
50593401	12/21/2023	CR	<3.00	ug/L
51523601	02/22/2024	CR	<3.00	ug/L

Average Concentration= < 3.00
Maximum= < 3.00
# of samples= 5
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Chlorpyrifos [2921-88-2] EPA Method 1657

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	2921-88-2	<0.0469	ug/L
49943305	11/08/2023	2921-88-2	<0.0474	ug/L

Average Concentration= < 0.0472
Maximum= < 0.0474
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Chloroform [67-66-3] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	67-66-3	23.6	ug/L
47133802	05/16/2023	67-66-3	25.8	ug/L
47133803	05/16/2023	67-66-3	29.2	ug/L
47133804	05/16/2023	67-66-3	27.8	ug/L
49943301	11/08/2023	67-66-3	15.5	ug/L
49943302	11/08/2023	67-66-3	22.0	ug/L
49943303	11/08/2023	67-66-3	27.0	ug/L
49943304	11/08/2023	67-66-3	17.7	ug/L

Average Concentration= 23.6
Maximum= 29.2
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Chlorodibromomethane [124-48-1] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	124-48-1	10.9	ug/L
47133802	05/16/2023	124-48-1	10.0	ug/L
47133803	05/16/2023	124-48-1	13.2	ug/L
47133804	05/16/2023	124-48-1	12.8	ug/L
49943301	11/08/2023	124-48-1	<10.0	ug/L
49943302	11/08/2023	124-48-1	<10.0	ug/L
49943303	11/08/2023	124-48-1	11.0	ug/L
49943304	11/08/2023	124-48-1	<10.0	ug/L

Average Concentration= < 11.0
Maximum= < 13.2
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Chlorobenzene [108-90-7] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	108-90-7	<10.0	ug/L
47133802	05/16/2023	108-90-7	<10.0	ug/L
47133803	05/16/2023	108-90-7	<10.0	ug/L
47133804	05/16/2023	108-90-7	<10.0	ug/L
49943301	11/08/2023	108-90-7	<10.0	ug/L
49943302	11/08/2023	108-90-7	<10.0	ug/L
49943303	11/08/2023	108-90-7	<10.0	ug/L
49943304	11/08/2023	108-90-7	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Chlordane [57-74-9] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	57-74-9	<0.172	ug/L
49943305	11/08/2023	57-74-9	<0.190	ug/L

Average Concentration= < 0.181
Maximum= < 0.190
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Carbaryl [63-25-2] EPA Method 632

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	63-25-2	<2.34	ug/L
49943305	11/08/2023	63-25-2	<2.37	ug/L

Average Concentration= < 2.36
Maximum= < 2.37
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Carbon Tetrachloride [56-23-5] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	56-23-5	<2.00	ug/L
47133802	05/16/2023	56-23-5	<2.00	ug/L
47133803	05/16/2023	56-23-5	<2.00	ug/L
47133804	05/16/2023	56-23-5	<2.00	ug/L
49943301	11/08/2023	56-23-5	<2.00	ug/L
49943302	11/08/2023	56-23-5	<2.00	ug/L
49943303	11/08/2023	56-23-5	<2.00	ug/L
49943304	11/08/2023	56-23-5	<2.00	ug/L

Average Concentration= < 2.00
Maximum= < 2.00
# of samples= 8
Sample Type= Composite

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Cadmium EPA Method 200.8

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47704401	06/22/2023	CD	<1.00	ug/L
48479901	08/10/2023	CD	<1.00	ug/L
49722201	10/26/2023	CD	<1.00	ug/L
50593401	12/21/2023	CD	<1.00	ug/L
51523601	02/22/2024	CD	<1.00	ug/L

Average Concentration= < 1.00
Maximum= < 1.00
# of samples= 5
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Bromoform [75-25-2] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	75-25-2	<10.0	ug/L
47133802	05/16/2023	75-25-2	<10.0	ug/L
47133803	05/16/2023	75-25-2	<10.0	ug/L
47133804	05/16/2023	75-25-2	<10.0	ug/L
49943301	11/08/2023	75-25-2	<10.0	ug/L
49943302	11/08/2023	75-25-2	<10.0	ug/L
49943303	11/08/2023	75-25-2	<10.0	ug/L
49943304	11/08/2023	75-25-2	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Bromodichloromethane [75-27-4] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	75-27-4	18.1	ug/L
47133802	05/16/2023	75-27-4	19.8	ug/L
47133803	05/16/2023	75-27-4	23.3	ug/L
47133804	05/16/2023	75-27-4	22.4	ug/L
49943301	11/08/2023	75-27-4	13.6	ug/L
49943302	11/08/2023	75-27-4	17.8	ug/L
49943303	11/08/2023	75-27-4	22.3	ug/L
49943304	11/08/2023	75-27-4	16.4	ug/L

Average Concentration= 19.2
Maximum= 23.3
# of samples= 8
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Bis(2-ethylhexyl)phthalate [117-81-7] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	117-81-7	<7.08	ug/L
49943305	11/08/2023	117-81-7	<7.08	ug/L

Average Concentration= < 7.08
Maximum= < 7.08
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Bis(2-chloroethyl)ether [111-44-4] EPA 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	111-44-4	<0.943	ug/L
49943305	11/08/2023	111-44-4	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Benzo(a)pyrene [50-32-8] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	50-32-8	<0.943	ug/L
49943305	11/08/2023	50-32-8	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Benzo(a)anthracene [56-55-3] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	56-55-3	<0.943	ug/L
49943305	11/08/2023	56-55-3	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Benzidine [92-87-5] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	92-87-5	<18.9	ug/L
49943305	11/08/2023	92-87-5	<18.9	ug/L

Average Concentration= < 18.9
Maximum= < 18.9
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Benzene [71-43-2] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	71-43-2	<10.0	ug/L
47133802	05/16/2023	71-43-2	<10.0	ug/L
47133803	05/16/2023	71-43-2	<10.0	ug/L
47133804	05/16/2023	71-43-2	<10.0	ug/L
49943301	11/08/2023	71-43-2	<10.0	ug/L
49943302	11/08/2023	71-43-2	<10.0	ug/L
49943303	11/08/2023	71-43-2	<10.0	ug/L
49943304	11/08/2023	71-43-2	<10.0	ug/L

Average Concentration= < 10.0
Maximum= < 10.0
# of samples= 8
Sample Type= Composite

Austin Water Laboratory-Environmental Analytical Services
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Pollutant Analysis of Treated Effluent
Barium EPA Method 200.8

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47704401	06/22/2023	BA	20.1	ug/L
48479901	08/10/2023	BA	15.1	ug/L
49722201	10/26/2023	BA	17.5	ug/L
50593401	12/21/2023	BA	16.3	ug/L
51523601	02/22/2024	BA	22.4	ug/L

Average Concentration= 18.3
Maximum= 22.4
# of samples= 5
Sample Type= Composite

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Aluminum EPA Method 200.8

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47704401	06/22/2023	AL	15.9	ug/L
48479901	08/10/2023	AL	20.0	ug/L
49722201	10/26/2023	AL	15.8	ug/L
50593401	12/21/2023	AL	15.1	ug/L
51523601	02/22/2024	AL	12.9	ug/L

Average Concentration= 15.9
Maximum= 20.0
# of samples= 5
Sample Type= Composite

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Arsenic EPA Method 200.8

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47704401	06/22/2023	AS	1.44	ug/L
48479901	08/10/2023	AS	1.44	ug/L
49722201	10/26/2023	AS	1.19	ug/L
50593401	12/21/2023	AS	1.16	ug/L
51523601	02/22/2024	AS	1.78	ug/L

Average Concentration= 1.40
Maximum= 1.78
# of samples= 5
Sample Type= Composite

Austin Water Laboratory-Environmental Analytical Services
7113 FM 969 Austin, TX 78724
Pollutant Analysis of Treated Effluent
Antimony EPA Method 200.8

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47704401	06/22/2023	SB	<5.00	ug/L
48479901	08/10/2023	SB	<5.00	ug/L
49722201	10/26/2023	SB	<5.00	ug/L
50593401	12/21/2023	SB	<5.00	ug/L
51523601	02/22/2024	SB	<5.00	ug/L

Average Concentration= < 5.00
Maximum= < 5.00
# of samples= 5
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Anthracene [120-12-7] EPA Method 625

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	120-12-7	<0.943	ug/L
49943305	11/08/2023	120-12-7	<0.944	ug/L

Average Concentration= < 0.944
Maximum= < 0.944
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Aldrin [309-00-2] EPA Method 608

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133805	05/15/2023	309-00-2	<0.00937	ug/L
49943305	11/08/2023	309-00-2	<0.00948	ug/L

Average Concentration= < 0.00943
Maximum= < 0.00948
# of samples= 2
Sample Type= Composite

See Subcontracted Laboratory Reports
Pollutant Analysis of Treated Effluent
Acrylonitrile [107-13-1] EPA Method 624

Horizon Sample Nbr.	Collect Date	Analyte (Abbrev.)	Final Result	Units
47133801	05/16/2023	107-13-1	<50.0	ug/L
47133802	05/16/2023	107-13-1	<50.0	ug/L
47133803	05/16/2023	107-13-1	<50.0	ug/L
47133804	05/16/2023	107-13-1	<50.0	ug/L
49943301	11/08/2023	107-13-1	<50.0	ug/L
49943302	11/08/2023	107-13-1	<50.0	ug/L
49943303	11/08/2023	107-13-1	<50.0	ug/L
49943304	11/08/2023	107-13-1	<50.0	ug/L

Average Concentration= < 50.0
Maximum= < 50.0
# of samples= 8
Sample Type= Composite

LCRA Environmental Laboratory Services
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October 26, 2023

GARY GILMER
COA WATER UTILITY DEPT WALNUT CREEK ENVTL LAB
7113 E MLK BLVD
AUSTIN, TX 78724
GARY.GILMER@AUSTINTEXAS.GOV

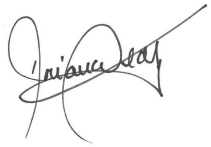
RE: Final Analytical Report Q2343498

Attn: GARY GILMER

Enclosed are the analytical results for sample(s) received by LCRA Environmental Laboratory Services. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report. This final report provides results related only to the sample(s) as received for the above referenced work order.

Thank you for selecting ELS for your analytical needs. If you have any questions regarding this report, please contact us at (512) 730-6022 or environmental.lab@lcra.org. We look forward to assisting you again.

Authorized for release by:



Ariana Dean
Account Manager
ariana.dean@lcra.org

Enclosures:
CC:BRAD GARDNER

LCRA Environmental Laboratory Services
3505 Montopolis Drive
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Workorder: Q2343498
Workorder Description: COAWALNUTSUB_10122023
Client: COA WATER UTILITY DEPT WALNUT CREEK ENV LAB
Profile: Walnut Creek New Contract Sub Tests
Sampled By: OPS/JS

Report To: GARY GILMER
COA WATER UTILITY DEPT
WALNUT CREEK ENVTL LAB
7113 E MLK BLVD
AUSTIN, TX 78724

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
Q2343498001	49417101-B SARINFA-0030	AQ	E420.1 Phenolics, Spectrophoto	10/10/2023 00:30	10/12/2023 12:34	1
Q2343498002	49417102-B SARINFA-0630	AQ	E420.1 Phenolics, Spectrophoto	10/10/2023 06:30	10/12/2023 12:34	1
Q2343498003	49456801-A SARINFA-1230	AQ	E420.1 Phenolics, Spectrophoto	10/10/2023 12:30	10/12/2023 12:34	1
Q2343498004	49456802-A SARINFA-1830	AQ	E420.1 Phenolics, Spectrophoto	10/10/2023 18:30	10/12/2023 12:34	1
Q2343498005	49417103-B SARINFC-0030	AQ	E420.1 Phenolics, Spectrophoto	10/10/2023 00:30	10/12/2023 12:34	1
Q2343498006	49417104-B SARINFC-0630	AQ	E420.1 Phenolics, Spectrophoto	10/10/2023 06:30	10/12/2023 12:34	1
Q2343498007	49456803-A SARINFC-1230	AQ	E420.1 Phenolics, Spectrophoto	10/10/2023 12:30	10/12/2023 12:34	1
Q2343498008	49456804-A SARINFC-1830	AQ	E420.1 Phenolics, Spectrophoto	10/10/2023 18:30	10/12/2023 12:34	1
Q2343498009	49456809-A SAREFF-0030	AQ	E420.1 Phenolics, Spectrophoto	10/11/2023 00:30	10/12/2023 12:34	1
Q2343498010	49456810-A SAREFF-0630	AQ	E420.1 Phenolics, Spectrophoto	10/11/2023 06:30	10/12/2023 12:34	1
Q2343498011	49484401-A SAREFF-1230	AQ	E420.1 Phenolics, Spectrophoto	10/11/2023 12:30	10/12/2023 12:34	1
Q2343498012	49484402-B SAREFF-1830	AQ	E420.1 Phenolics, Spectrophoto	10/11/2023 18:30	10/12/2023 12:34	1

Report Definitions

MRL - Minimum Reporting Limit
LOD - Limit of Detection
ML - Maximum Limit - Client Specified
MCL - Maximum Contaminant Level
LOQ - Limit of Quantitation - Client Specified
DF - Dilution Factor
(S) - Surrogate Spike
MDL - Method Detection Limit
RPD - Relative Percent Difference

Qualifier Definitions

Environmental Laboratory Services
The Solution Lab

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J - Analyte detected below quantitation limit
R - RPD outside duplicate precision limit
S - Spike recovery outside limit
B- Analyte detected in method blank
N - Not Accredited
M - Analyte Detected Above Maximum Contaminant Level
SL - Spike Recovery Low
SH - Spike Recovery High
H - Analyzed Past Hold Time
CR - Confirmed Result
CH - Result confirmed by historical data

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Workorder Summary

Sample Comments

Q2343498001 (49417101-B SARINFA-0030) - Paying sample

ANALYTICAL COMMENTS: Q2343498001 (E420.1 Phenolics, Spectrophoto) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2343498002 (49417102-B SARINFA-0630) - Paying sample

ANALYTICAL COMMENTS: Q2343498002 (E420.1 Phenolics, Spectrophoto) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2343498003 (49456801-A SARINFA-1230) - Paying sample

ANALYTICAL COMMENTS: Q2343498003 (E420.1 Phenolics, Spectrophoto) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2343498004 (49456802-A SARINFA-1830) - Paying sample

ANALYTICAL COMMENTS: Q2343498004 (E420.1 Phenolics, Spectrophoto) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2343498005 (49417103-B SARINFC-0030) - Paying sample

ANALYTICAL COMMENTS: Q2343498005 (E420.1 Phenolics, Spectrophoto) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2343498006 (49417104-B SARINFC-0630) - Paying sample

ANALYTICAL COMMENTS: Q2343498006 (E420.1 Phenolics, Spectrophoto) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2343498007 (49456803-A SARINFC-1230) - Paying sample

ANALYTICAL COMMENTS: Q2343498007 (E420.1 Phenolics, Spectrophoto) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2343498008 (49456804-A SARINFC-1830) - Paying sample

ANALYTICAL COMMENTS: Q2343498008 (E420.1 Phenolics, Spectrophoto) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2343498009 (49456809-A SAREFF-0030) - Paying sample

ANALYTICAL COMMENTS: Q2343498009 (E420.1 Phenolics, Spectrophoto) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2343498010 (49456810-A SAREFF-0630) - Paying sample

ANALYTICAL COMMENTS: Q2343498010 (E420.1 Phenolics, Spectrophoto) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2343498011 (49484401-A SAREFF-1230) - Paying sample

ANALYTICAL COMMENTS: Q2343498011 (E420.1 Phenolics, Spectrophoto) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2343498012 (49484402-B SAREFF-1830) - Paying sample

ANALYTICAL COMMENTS: Q2343498012 (E420.1 Phenolics, Spectrophoto) subcontracted with customer's approval. Data provided in full with the ELS final report.

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	10/10/2023 00:30	**Matrix:**	Aqueous
Lab ID:	Q2343498001	**Date Received:**	10/12/2023 12:34	**Sample Type:**	SAMPLE
Sample ID:	49417101-B SARINFA-0030	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E420.1 Phenolics, Spectrophoto)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenol	0.0730	mg/L	0.00500	0.00300		1	10/19/2023 00:00	SUB	10/19/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	10/10/2023 06:30	**Matrix:**	Aqueous
Lab ID:	Q2343498002	**Date Received:**	10/12/2023 12:34	**Sample Type:**	SAMPLE
Sample ID:	49417102-B SARINFA-0630	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E420.1 Phenolics, Spectrophoto)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenol	0.0640	mg/L	0.00500	0.00300		1	10/19/2023 00:00	SUB	10/19/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	10/10/2023 12:30	**Matrix:**	Aqueous
Lab ID:	Q2343498003	**Date Received:**	10/12/2023 12:34	**Sample Type:**	SAMPLE
Sample ID:	49456801-A SARINFA-1230	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E420.1 Phenolics, Spectrophoto)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenol	0.0570	mg/L	0.00500	0.00300		1	10/19/2023 00:00	SUB	10/19/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	10/10/2023 18:30	**Matrix:**	Aqueous
Lab ID:	Q2343498004	**Date Received:**	10/12/2023 12:34	**Sample Type:**	SAMPLE
Sample ID:	49456802-A SARINFA-1830	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E420.1 Phenolics, Spectrophoto)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenol	0.0680	mg/L	0.00500	0.00300		1	10/19/2023 00:00	SUB	10/19/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	10/10/2023 00:30	**Matrix:**	Aqueous
Lab ID:	Q2343498005	**Date Received:**	10/12/2023 12:34	**Sample Type:**	SAMPLE
Sample ID:	49417103-B SARINFC-0030	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E420.1 Phenolics, Spectrophoto)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenol	0.0540	mg/L	0.00500	0.00300		1	10/19/2023 00:00	SUB	10/19/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	10/10/2023 06:30	**Matrix:**	Aqueous
Lab ID:	Q2343498006	**Date Received:**	10/12/2023 12:34	**Sample Type:**	SAMPLE
Sample ID:	49417104-B SARINFC-0630	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E420.1 Phenolics, Spectrophoto)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenol	0.0750	mg/L	0.00500	0.00300		1	10/19/2023 00:00	SUB	10/19/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	10/10/2023 12:30	**Matrix:**	Aqueous
Lab ID:	Q2343498007	**Date Received:**	10/12/2023 12:34	**Sample Type:**	SAMPLE
Sample ID:	49456803-A SARINFC-1230	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E420.1 Phenolics, Spectrophoto)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenol	0.0710	mg/L	0.00500	0.00300		1	10/19/2023 00:00	SUB	10/19/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	10/10/2023 18:30	**Matrix:**	Aqueous
Lab ID:	Q2343498008	**Date Received:**	10/12/2023 12:34	**Sample Type:**	SAMPLE
Sample ID:	49456804-A SARINFC-1830	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E420.1 Phenolics, Spectrophoto)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenol	0.0610	mg/L	0.00500	0.00300		1	10/19/2023 00:00	SUB	10/19/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	10/11/2023 00:30	**Matrix:**	Aqueous
Lab ID:	Q2343498009	**Date Received:**	10/12/2023 12:34	**Sample Type:**	SAMPLE
Sample ID:	49456809-A SAREFF-0030	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E420.1 Phenolics, Spectrophoto)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenol	0.0120	mg/L	0.00500	0.00300		1	10/19/2023 00:00	SUB	10/19/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	10/11/2023 06:30	**Matrix:**	Aqueous
Lab ID:	Q2343498010	**Date Received:**	10/12/2023 12:34	**Sample Type:**	SAMPLE
Sample ID:	49456810-A SAREFF-0630	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E420.1 Phenolics, Spectrophoto)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenol	0.0130	mg/L	0.00500	0.00300		1	10/19/2023 00:00	SUB	10/19/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	10/11/2023 12:30	**Matrix:**	Aqueous
Lab ID:	Q2343498011	**Date Received:**	10/12/2023 12:34	**Sample Type:**	SAMPLE
Sample ID:	49484401-A SAREFF-1230	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E420.1 Phenolics, Spectrophoto)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenol	0.0120	mg/L	0.00500	0.00300		1	10/19/2023 00:00	SUB	10/19/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	10/11/2023 18:30	**Matrix:**	Aqueous
Lab ID:	Q2343498012	**Date Received:**	10/12/2023 12:34	**Sample Type:**	SAMPLE
Sample ID:	49484402-B SAREFF-1830	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E420.1 Phenolics, Spectrophoto)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenol	0.0120	mg/L	0.00500	0.00300		1	10/19/2023 00:00	SUB	10/19/2023 00:00	SUB	

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Sample	Sample ID	Taken	Time	Received
2240399	*Q2343498001*	10/10/2023	00:30:00	10/17/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)
Bottle 03 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)
Bottle 04 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1086452	10/18/2023	1086775	10/19/2023

Sample	Sample ID	Taken	Time	Received
2240402	*Q2343498002*	10/10/2023	06:30:00	10/17/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)
Bottle 03 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)
Bottle 04 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1086452	10/18/2023	1086775	10/19/2023

Sample	Sample ID	Taken	Time	Received
2240403	*Q2343498003*	10/10/2023	12:30:00	10/17/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1086452	10/18/2023	1086775	10/19/2023

Sample	Sample ID	Taken	Time	Received
2240404	*Q2343498004*	10/10/2023	18:30:00	10/17/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1086452	10/18/2023	1086775	10/19/2023

Sample	Sample ID	Taken	Time	Received

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Sample	Sample ID	Taken	Time	Received
2240405	*Q2343498005*	10/10/2023	00:30:00	10/17/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1086452	10/18/2023	1086775	10/19/2023

Sample	Sample ID	Taken	Time	Received
2240406	*Q2343498006*	10/10/2023	06:30:00	10/17/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1086452	10/18/2023	1086775	10/19/2023

Sample	Sample ID	Taken	Time	Received
2240407	*Q2343498007*	10/10/2023	12:30:00	10/17/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1086452	10/18/2023	1086775	10/19/2023

Sample	Sample ID	Taken	Time	Received
2240408	*Q2343498008*	10/10/2023	18:30:00	10/17/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1086452	10/18/2023	1086775	10/19/2023

Sample	Sample ID	Taken	Time	Received
2240409	*Q2343498009*	10/11/2023	00:30:00	10/17/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical

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Sample	Sample ID	Taken	Time	Received
2240409	*Q2343498009*	10/11/2023	00:30:00	10/17/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1086452	10/18/2023	1086775	10/19/2023

Sample	Sample ID	Taken	Time	Received
2240410	*Q2343498010*	10/11/2023	06:30:00	10/17/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1086452	10/18/2023	1086775	10/19/2023

Sample	Sample ID	Taken	Time	Received
2240411	*Q2343498011*	10/11/2023	12:30:00	10/17/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1086452	10/18/2023	1086775	10/19/2023

Sample	Sample ID	Taken	Time	Received
2240412	*Q2343498012*	10/11/2023	18:30:00	10/17/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1086452) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1086452	10/18/2023	1086775	10/19/2023

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Project
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45493510

RESULTS

Sample Results

2240399 Q2343498001 — Received: 10/17/2023

Non-Potable Water | Collected by: Client | Taken: 10/10/2023 | LCRA Environmental L 00:30:00 | PO: 146473 (Began 9/26/2023)

EPA 420.4 1 — Prepared: 1086452 10/18/2023 08:04:02 — Analyzed 1086775 10/19/2023 09:30:00 — REI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phenolics, Total Recoverable**	**0.073**	**mg/L**	0.005	P		02

2240402 Q2343498002 — Received: 10/17/2023

Non-Potable Water | Collected by: Client | Taken: 10/10/2023 | LCRA Environmental L 06:30:00 | PO: 146473 (Began 9/26/2023)

EPA 420.4 1 — Prepared: 1086452 10/18/2023 08:04:02 — Analyzed 1086775 10/19/2023 09:30:00 — REI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phenolics, Total Recoverable**	**0.064**	**mg/L**	0.005			02

2240403 Q2343498003 — Received: 10/17/2023

Non-Potable Water | Collected by: Client | Taken: 10/10/2023 | LCRA Environmental L 12:30:00 | PO: 146473 (Began 9/26/2023)

EPA 420.4 1 — Prepared: 1086452 10/18/2023 08:04:02 — Analyzed 1086775 10/19/2023 09:30:00 — REI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phenolics, Total Recoverable**	**0.057**	**mg/L**	0.005			02

2240404 Q2343498004 — Received: 10/17/2023

Non-Potable Water | Collected by: Client | Taken: 10/10/2023 | LCRA Environmental L 18:30:00 | PO: 146473 (Began 9/26/2023)

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2240404 Q2343498004 — Received: 10/17/2023

Non-Potable Water — Collected by: Client — LCRA Environmental L — PO: 146473 (Began 9/26/2023)
Taken: 10/10/2023 18:30:00

EPA 420.4 1 — Prepared: 1086452 10/18/2023 08:04:02 — Analyzed 1086775 10/19/2023 09:30:00 — REI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phenolics, Total Recoverable**	**0.068**	**mg/L**	0.005			02

2240405 Q2343498005 — Received: 10/17/2023

Non-Potable Water — Collected by: Client — LCRA Environmental L — PO: 146473 (Began 9/26/2023)
Taken: 10/10/2023 00:30:00

EPA 420.4 1 — Prepared: 1086452 10/18/2023 08:04:02 — Analyzed 1086775 10/19/2023 09:30:00 — REI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phenolics, Total Recoverable**	**0.054**	**mg/L**	0.005			02

2240406 Q2343498006 — Received: 10/17/2023

Non-Potable Water — Collected by: Client — LCRA Environmental L — PO: 146473 (Began 9/26/2023)
Taken: 10/10/2023 06:30:00

EPA 420.4 1 — Prepared: 1086452 10/18/2023 08:04:02 — Analyzed 1086775 10/19/2023 09:30:00 — REI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phenolics, Total Recoverable**	**0.075**	**mg/L**	0.005			02

2240407 Q2343498007 — Received: 10/17/2023

Non-Potable Water — Collected by: Client — LCRA Environmental L — PO: 146473 (Began 9/26/2023)
Taken: 10/10/2023 12:30:00

EPA 420.4 1 — Prepared: 1086452 10/18/2023 08:04:02 — Analyzed 1086775 10/19/2023 09:30:00 — REI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phenolics, Total Recoverable**	**0.071**	**mg/L**	0.005			02

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2240408 Q2343498008 — Received: 10/17/2023

Non-Potable Water — Collected by: Client — Taken: 10/10/2023 18:30:00 — LCRA Environmental L — PO: 146473 (Began 9/26/2023)

EPA 420.4 1 — Prepared: 1086452 10/18/2023 08:04:02 — Analyzed 1086775 10/19/2023 09:30:00 — REI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phenolics, Total Recoverable**	**0.061**	**mg/L**	0.005			02

2240409 Q2343498009 — Received: 10/17/2023

Non-Potable Water — Collected by: Client — Taken: 10/11/2023 00:30:00 — LCRA Environmental L — PO: 146473 (Began 9/26/2023)

EPA 420.4 1 — Prepared: 1086452 10/18/2023 08:04:02 — Analyzed 1086775 10/19/2023 09:30:00 — REI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phenolics, Total Recoverable**	**0.012**	**mg/L**	0.005			02

2240410 Q2343498010 — Received: 10/17/2023

Non-Potable Water — Collected by: Client — Taken: 10/11/2023 06:30:00 — LCRA Environmental L — PO: 146473 (Began 9/26/2023)

EPA 420.4 1 — Prepared: 1086452 10/18/2023 08:04:02 — Analyzed 1086775 10/19/2023 09:30:00 — REI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phenolics, Total Recoverable**	**0.013**	**mg/L**	0.005			02

2240411 Q2343498011 — Received: 10/17/2023

Non-Potable Water — Collected by: Client — Taken: 10/11/2023 12:30:00 — LCRA Environmental L — PO: 146473 (Began 9/26/2023)

EPA 420.4 1 — Prepared: 1086452 10/18/2023 08:04:02 — Analyzed 1086775 10/19/2023 09:30:00 — REI

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phenolics, Total Recoverable**	**0.012**	**mg/L**	0.005			02

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2240412 Q2343498012 Received: 10/17/2023

Non-Potable Water Collected by: Client LCRA Environmental L PO: 146473 (Began 9/26/2023)
Taken: 10/11/2023 18:30:00

EPA 420.4 1	Prepared:	1086452	10/18/2023	08:04:02	Analyzed	1086775	10/19/2023	09:30:00	REI		
Parameter	Results	Units	RL	Flags	CAS	Bottle					
NELAC Phenolics, Total Recoverable	0.012	mg/L	0.005			02					

Sample Preparation

2240399 Q2343498001 Received: 10/17/2023

146473 (Began 9/26/2023)

10/10/2023

	Prepared:	10/17/2023	16:03:28	Calculated	10/17/2023	16:03:28	CAL		
z Environmental Fee (per Project)	Verified								
Cooler Return	Prepared:	10/18/2023	16:30:00	Analyzed	10/18/2023	16:30:00	MG3		
z Return Cooler/No bottles Require	Returned								
EPA 420.4 1	Prepared:	1086452	10/18/2023	08:04:02	Analyzed	1086452	10/18/2023	08:04:02	REI
NELAC Phenol Distillation	6/6	ml						01	

2240402 Q2343498002 Received: 10/17/2023

146473 (Began 9/26/2023)

10/10/2023

EPA 420.4 1	Prepared:	1086452	10/18/2023	08:04:02	Analyzed	1086452	10/18/2023	08:04:02	REI
NELAC Phenol Distillation	6/6	ml						01	

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2240403	Q2343498003								Received:	10/17/2023	
									146473	(Began 9/26/2023)	
		10/10/2023									
EPA 420.4 1		Prepared:	1086452	10/18/2023	08:04:02	Analyzed	1086452	10/18/2023	08:04:02	REI	
NELAC	Phenol Distillation	6/6	ml							01	
2240404	Q2343498004								Received:	10/17/2023	
									146473	(Began 9/26/2023)	
		10/10/2023									
EPA 420.4 1		Prepared:	1086452	10/18/2023	08:04:02	Analyzed	1086452	10/18/2023	08:04:02	REI	
NELAC	Phenol Distillation	6/6	ml							01	
2240405	Q2343498005								Received:	10/17/2023	
									146473	(Began 9/26/2023)	
		10/10/2023									
EPA 420.4 1		Prepared:	1086452	10/18/2023	08:04:02	Analyzed	1086452	10/18/2023	08:04:02	REI	
NELAC	Phenol Distillation	6/6	ml							01	
2240406	Q2343498006								Received:	10/17/2023	
									146473	(Began 9/26/2023)	
		10/10/2023									
EPA 420.4 1		Prepared:	1086452	10/18/2023	08:04:02	Analyzed	1086452	10/18/2023	08:04:02	REI	
NELAC	Phenol Distillation	6/6	ml							01	

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2240407	Q2343498007								Received:	10/17/2023	
									146473	(Began 9/26/2023)	
		10/10/2023									
EPA 420.4 1			Prepared:	1086452	10/18/2023	08:04:02	Analyzed	1086452	10/18/2023	08:04:02	REI
NELAC	Phenol Distillation	6/6	ml								01
2240408	Q2343498008								Received:	10/17/2023	
									146473	(Began 9/26/2023)	
		10/10/2023									
EPA 420.4 1			Prepared:	1086452	10/18/2023	08:04:02	Analyzed	1086452	10/18/2023	08:04:02	REI
NELAC	Phenol Distillation	6/6	ml								01
2240409	Q2343498009								Received:	10/17/2023	
									146473	(Began 9/26/2023)	
		10/11/2023									
EPA 420.4 1			Prepared:	1086452	10/18/2023	08:04:02	Analyzed	1086452	10/18/2023	08:04:02	REI
NELAC	Phenol Distillation	6/6	ml								01
2240410	Q2343498010								Received:	10/17/2023	
									146473	(Began 9/26/2023)	
		10/11/2023									
EPA 420.4 1			Prepared:	1086452	10/18/2023	08:04:02	Analyzed	1086452	10/18/2023	08:04:02	REI
NELAC	Phenol Distillation	6/6	ml								01

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914

SPL The Science of Sure

1

Page 7 of 8

LCRA-C

LCRA Environmental Laboratory
Ariana Dean
3505 Montopolis Dr.
Austin, TX 78744

Project
1077239

Printed: 10/19/2023

2240411 Q2343498011 Received: 10/17/2023

146473 (Began 9/26/2023)

10/11/2023

EPA 420.4 1		Prepared:	1086452	10/18/2023	08:04:02	Analyzed	1086452	10/18/2023	08:04:02	REI
NELAC	Phenol Distillation	6/6		ml						01

2240412 Q2343498012 Received: 10/17/2023

146473 (Began 9/26/2023)

10/11/2023

EPA 420.4 1		Prepared:	1086452	10/18/2023	08:04:02	Analyzed	1086452	10/18/2023	08:04:02	REI
NELAC	Phenol Distillation	6/6		ml						01

Qualifiers:

P - Spike recovery outside control limits due to matrix effects.

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

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

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

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

Report Page 10 of 11

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
*Office: 903-984-0551 * Fax: 903-984-5914*

SPL The Science of Sure

1

LCRA-C

LCRA Environmental Laboratory
Ariana Dean
3505 Montopolis Dr.
Austin, TX 78744

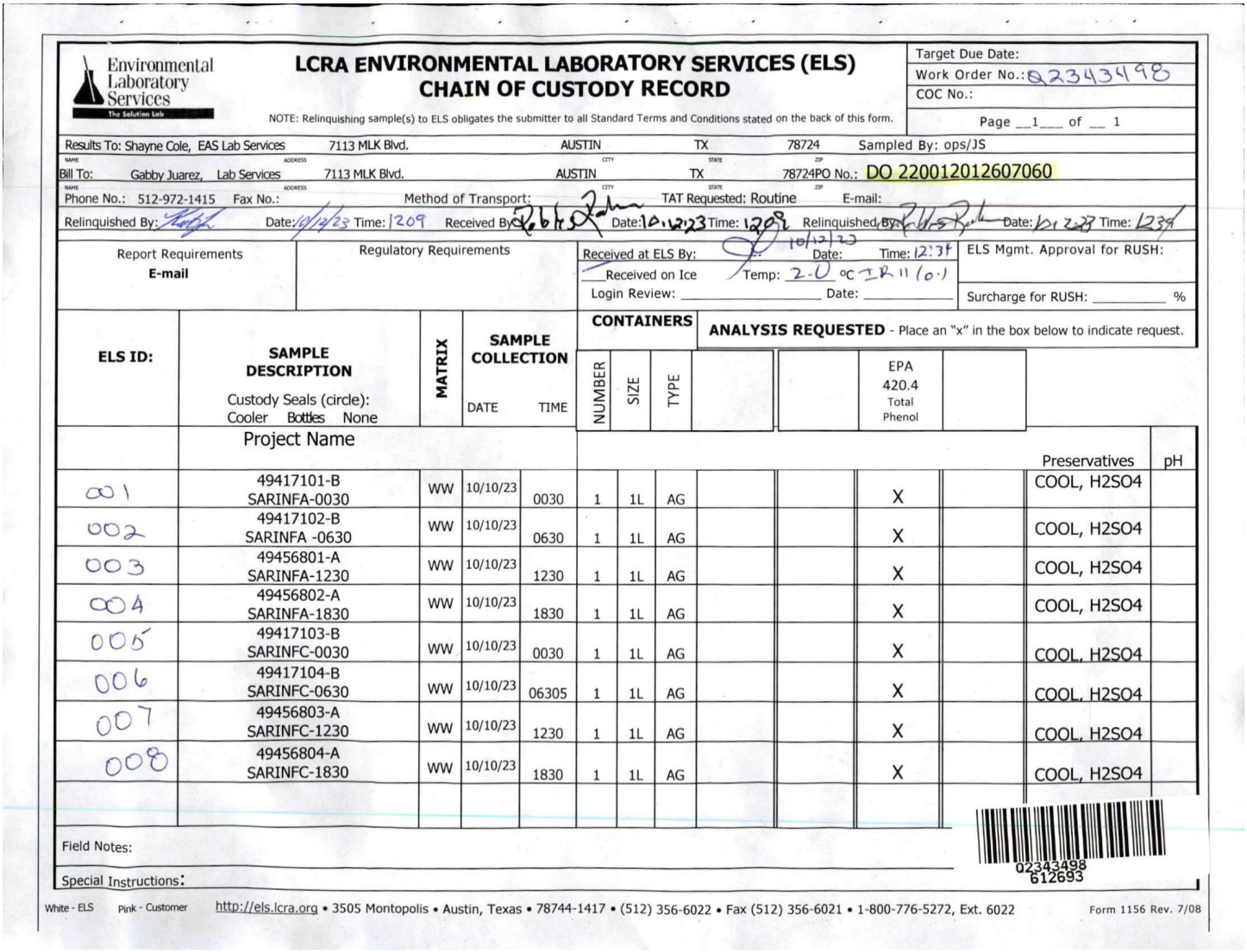
Project
1077239

Printed: 10/19/2023

Trey Peery, MA, Project Manager

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021



Environmental Laboratory Services — The Solution Lab

LCRA ENVIRONMENTAL LABORATORY SERVICES (ELS)
CHAIN OF CUSTODY RECORD

NOTE: Relinquishing sample(s) to ELS obligates the submitter to all Standard Terms and Conditions stated on the back of this form.

Target Due Date:
Work Order No.: 02343498
COC No.:
Page 1 of 1

Results To: Shayne Cole, EAS Lab Services — 7113 MLK Blvd. — AUSTIN — TX — 78724 — Sampled By: ops/JS
Bill To: Gabby Juarez, Lab Services — 7113 MLK Blvd. — AUSTIN — TX — 78724 — PO No.: DO 220012012607060
Phone No.: 512-972-1415 — Fax No.: — Method of Transport: — TAT Requested: Routine — E-mail:
Relinquished By: — Date: 10/12/23 Time: 1209 — Received By: — Date: 10.12.23 Time: 1208 — Relinquished By: — Date: 10/12/23 Time: 1239

Report Requirements: E-mail
Regulatory Requirements:
Received at ELS By: — Date: 10/12/23 Time: 12:37
Received on Ice — Temp: 2.0 °C IR 11 (0.1)
Login Review: — Date:
ELS Mgmt. Approval for RUSH:
Surcharge for RUSH: ____ %

ELS ID:	SAMPLE DESCRIPTION (Custody Seals (circle): Cooler Bottles None)	MATRIX	SAMPLE COLLECTION DATE	TIME	CONTAINERS NUMBER	SIZE	TYPE			ANALYSIS REQUESTED - EPA 420.4 Total Phenol		Preservatives	pH
	Project Name												
001	49417101-B SARINFA-0030	WW	10/10/23	0030	1	1L	AG			X		COOL, H2SO4	
002	49417102-B SARINFA -0630	WW	10/10/23	0630	1	1L	AG			X		COOL, H2SO4	
003	49456801-A SARINFA-1230	WW	10/10/23	1230	1	1L	AG			X		COOL, H2SO4	
004	49456802-A SARINFA-1830	WW	10/10/23	1830	1	1L	AG			X		COOL, H2SO4	
005	49417103-B SARINFC-0030	WW	10/10/23	0030	1	1L	AG			X		COOL, H2SO4	
006	49417104-B SARINFC-0630	WW	10/10/23	06305	1	1L	AG			X		COOL, H2SO4	
007	49456803-A SARINFC-1230	WW	10/10/23	1230	1	1L	AG			X		COOL, H2SO4	
008	49456804-A SARINFC-1830	WW	10/10/23	1830	1	1L	AG			X		COOL, H2SO4	

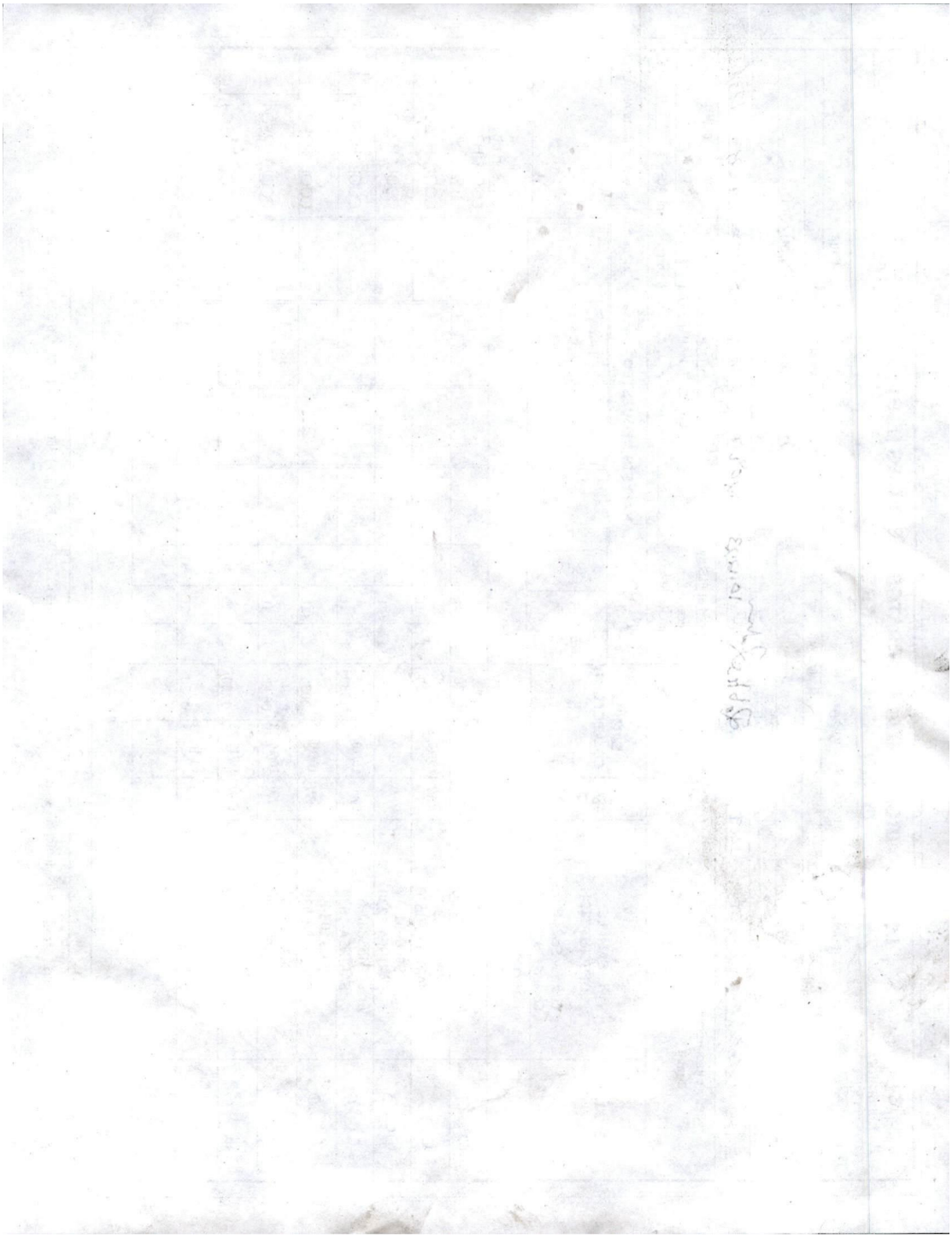
02343498
612693

Field Notes:
Special Instructions:

White - ELS Pink - Customer http://els.lcra.org • 3505 Montopolis • Austin, Texas • 78744-1417 • (512) 356-6022 • Fax (512) 356-6021 • 1-800-776-5272, Ext. 6022 Form 1156 Rev. 7/08

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021



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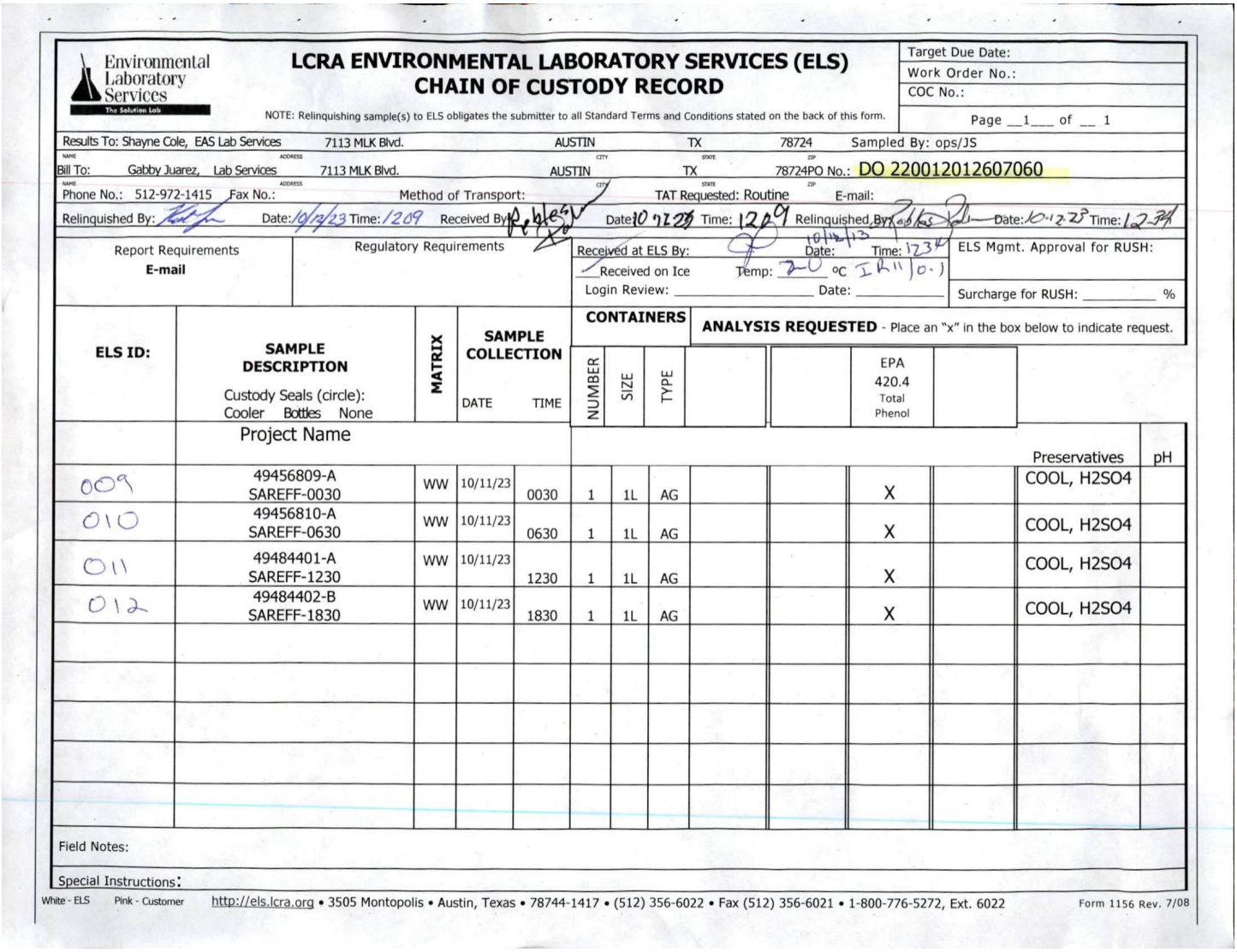

Environmental Laboratory Services — The Solution Lab

LCRA ENVIRONMENTAL LABORATORY SERVICES (ELS) CHAIN OF CUSTODY RECORD

NOTE: Relinquishing sample(s) to ELS obligates the submitter to all Standard Terms and Conditions stated on the back of this form.

Target Due Date:
Work Order No.:
COC No.:
Page 1 of 1

Results To: Shayne Cole, EAS Lab Services 7113 MLK Blvd. AUSTIN TX 78724 Sampled By: ops/JS

Bill To: Gabby Juarez, Lab Services 7113 MLK Blvd. AUSTIN TX 78724 PO No.: DO 220012012607060

Phone No.: 512-972-1415 Fax No.: Method of Transport: TAT Requested: Routine E-mail:

Relinquished By: Date: 10/12/23 Time: 1209 Received By: Date: 10/12/23 Time: 1209 Relinquished By: Date: 10.12.23 Time: 1234

Report Requirements: E-mail

Regulatory Requirements

Received at ELS By: Date: 10/12/23 Time: 1234

Received on Ice Temp: 2.0 °C IR11/0.1

Login Review: Date:

ELS Mgmt. Approval for RUSH:

Surcharge for RUSH: %

ELS ID:	SAMPLE DESCRIPTION Custody Seals (circle): Cooler Bottles None	MATRIX	SAMPLE COLLECTION DATE	TIME	CONTAINERS NUMBER	SIZE	TYPE			ANALYSIS REQUESTED - Place an "x" in the box below to indicate request. EPA 420.4 Total Phenol		Preservatives	pH
	Project Name												
009	49456809-A SAREFF-0030	WW	10/11/23	0030	1	1L	AG			X		COOL, H2SO4	
010	49456810-A SAREFF-0630	WW	10/11/23	0630	1	1L	AG			X		COOL, H2SO4	
011	49484401-A SAREFF-1230	WW	10/11/23	1230	1	1L	AG			X		COOL, H2SO4	
012	49484402-B SAREFF-1830	WW	10/11/23	1830	1	1L	AG			X		COOL, H2SO4	

Field Notes:

Special Instructions:

White - ELS Pink - Customer http://els.lcra.org • 3505 Montopolis • Austin, Texas • 78744-1417 • (512) 356-6022 • Fax (512) 356-6021 • 1-800-776-5272, Ext. 6022 Form 1156 Rev. 7/08

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

LCRA Chain of Custody

Document: 45493510

Results Requested By:

Report To	Subcontract To
LCRA Environmental Laboratory Services 3505 Montopolis Drive Austin, TX 78744 Phone (512)730-6022 Fax (512)730-6021 Email environmental.lab@lcra.org	Skeeter Ludewig Ana-Lab Corporation 2600 Dudley Road Kilgore, TX 75662 Phone (903)984-0551

					Preserved Containers						Requested Analysis													
Item	Lab ID	Collect Date/Time		Matrix	COOL 6C						E420.1 Phenolics, Spectrophoto													LAB USE ONLY
1	Q2343498001	10/10/2023 00:30		Aqueous	1						X													
2	Q2343498002	10/10/2023 06:30		Aqueous	1						X													
3	Q2343498003	10/10/2023 12:30		Aqueous	1						X													
4	Q2343498004	10/10/2023 18:30		Aqueous	1						X													
5	Q2343498005	10/10/2023 00:30		Aqueous	1						X													
6	Q2343498006	10/10/2023 06:30		Aqueous	1						X													
7	Q2343498007	10/10/2023 12:30		Aqueous	1						X													
8	Q2343498008	10/10/2023 18:30		Aqueous	1						X													
9	Q2343498009	10/11/2023 00:30		Aqueous	1						X													
10	Q2343498010	10/11/2023 06:30		Aqueous	1						X													
11	Q2343498011	10/11/2023 12:30		Aqueous	1						X													
12	Q2343498012	10/11/2023 18:30		Aqueous	1						X													

Thursday, October 12, 2023 4:09:25 PM
Page 1 of 2

HORIZON

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

LCRA Chain of Custody

Document: 45493510

Report	Electronic Data Deliverables	Comments
☐ Standard (Results Only) ☐ Standard with Batch QC ☐ CLP ☐ Other _____	☐ Stage 2A ☐ Stage 2B ☐ Stage 3 ☐ Other _____	THE SUBCONTRACTOR NOTED ON THIS COC IS THE ONLY LAB AUTHORIZED TO ANALYZE THE SUBMITTED SAMPLES. ANY DEVIATION FROM THIS PROTOCOL REQUIRES WRITTEN AUTHORIZATION FROM ELS MANAGEMENT.

Preservative

COOL 6C = Cool to <=6 degrees C

Transfers	Released By	Date/Time	Received By	Date/Time
1	S-Ortiz	10/16/23 17:00	FEDEX	
2				
3				
4				
5				

Chain of Custody - Required Limits

Document: 45493510

	Method	Analyte	LOD	RL	MCL	LOQ Check Standard Required?
	E420.1 Phenolics, Spectrophoto	Phenol				No

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

10/16/23, 3:00 PM FedEx Ship Manager - Print Your Label(s)

ORIGIN ID:AUSA (512) 356-6022
SAMPLE RECEIVING
ENVIRONMENTAL LABORATORY SERVICES
3505 MONTOPOLIS DRIVE
LCRA-ENVIRONMENTAL LAB ONLY
AUSTIN TX 78744
UNITED STATES US

SHIP DATE: 16OCT23
ACTWGT: 50.00 LB
CAD: 5084403/INET4660
DIMS: 18x13x13 IN

BILL SENDER

TO SAMPLE LOGIN
ANA-LAB COORPORATION
2600 DUDLEY RD

(903) 984-0551
INV
PO
REF
DEPT

KILGORE TX 75662

FedEx Express

J234023101501uv

583J1/BC8B/9AE3

TRK# 0201 7737 6022 8339

TUE - 17 OCT 10:30A
PRIORITY OVERNIGHT

AH GGGA

75662
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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

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End of Report

LCRA Environmental Laboratory Services
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Fax (512)730-6021

November 28, 2023

GARY GILMER
COA WATER UTILITY DEPT WALNUT CREEK ENVTL LAB
7113 E MLK BLVD
AUSTIN, TX 78724
GARY.GILMER@AUSTINTEXAS.GOV

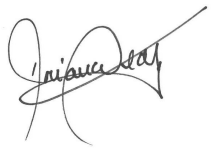
RE: Final Analytical Report Q2348044

Attn: GARY GILMER

Enclosed are the analytical results for sample(s) received by LCRA Environmental Laboratory Services. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report. This final report provides results related only to the sample(s) as received for the above referenced work order.

Thank you for selecting ELS for your analytical needs. If you have any questions regarding this report, please contact us at (512) 730-6022 or environmental.lab@lcra.org. We look forward to assisting you again.

Authorized for release by:



Ariana Dean
Account Manager
ariana.dean@lcra.org

Enclosures:
CC:BRAD GARDNER,SHAYNE COLE

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Workorder: Q2348044
Workorder Description: COAWALNUTSUBE624.1_11092023
Client: COA WATER UTILITY DEPT WALNUT CREEK ENV LAB
Profile: Walnut Creek New Contract Sub Tests
Sampled By:

Report To: GARY GILMER
COA WATER UTILITY DEPT
WALNUT CREEK ENVTL LAB
7113 E MLK BLVD
AUSTIN, TX 78724

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
Q2348044001	49943301- A-E SAREFF-0030	AQ	E624.1 Purgeables	11/08/2023 00:30	11/09/2023 09:56	38
Q2348044002	49943302- A-E SAREFF-0630	AQ	E624.1 Purgeables	11/08/2023 06:30	11/09/2023 09:56	38
Q2348044003	49943303- A-E SAREFF-1230	AQ	E624.1 Purgeables	11/08/2023 12:30	11/09/2023 09:56	38
Q2348044004	49943304- A-E SAREFF-1830	AQ	E624.1 Purgeables	11/08/2023 18:30	11/09/2023 09:56	38

Report Definitions

MRL - Minimum Reporting Limit
LOD - Limit of Detection
ML - Maximum Limit - Client Specified
MCL - Maximum Contaminant Level
LOQ - Limit of Quantitation - Client Specified
DF - Dilution Factor
(S) - Surrogate Spike
MDL - Method Detection Limit
RPD - Relative Percent Difference

Qualifier Definitions

J - Analyte detected below quantitation limit
R - RPD outside duplicate precision limit
S - Spike recovery outside limit
B- Analyte detected in method blank
N - Not Accredited
M - Analyte Detected Above Maximum Contaminant Level
SL - Spike Recovery Low
SH - Spike Recovery High
H - Analyzed Past Hold Time
CR - Confirmed Result
CH - Result confirmed by historical data

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Workorder Summary

Sample Comments

Q2348044001 (49943301- A-E SAREFF-0030) - Paying sample

ANALYTICAL COMMENTS: Q2348044001 (E624.1 Purgeables) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2348044002 (49943302- A-E SAREFF-0630) - Paying sample

ANALYTICAL COMMENTS: Q2348044002 (E624.1 Purgeables) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2348044003 (49943303- A-E SAREFF-1230) - Paying sample

ANALYTICAL COMMENTS: Q2348044003 (E624.1 Purgeables) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2348044004 (49943304- A-E SAREFF-1830) - Paying sample

ANALYTICAL COMMENTS: Q2348044004 (E624.1 Purgeables) subcontracted with customer's approval. Data provided in full with the ELS final report.

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Analytical Results

Client ID: COA WALNUT
Lab ID: Q2348044001
Sample ID: 49943301- A-E SAREFF-0030
Project ID: Walnut Creek New Contract Sub Tests

Date Collected: 11/08/2023 00:30
Date Received: 11/09/2023 09:56
Location:
Facility:
Sample Point:

Matrix: Aqueous
Sample Type: SAMPLE

Subcontracted (E624.1 Purgeables)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Benzene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Bromodichloromethane	13.6	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Bromoform	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Bromomethane	<20.0	ug/L	20.0	5.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Carbon tetrachloride	<2.00	ug/L	2.00	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Chlorobenzene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Chloroethane	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
2-Chloroethylvinyl ether	<10.0	ug/L	10.0	6.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Chloroform	15.5	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Chloromethane	<20.0	ug/L	20.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Dibromochloromethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,2-Dichlorobenzene	<5.00	ug/L	5.00	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,3-Dichlorobenzene	<5.00	ug/L	5.00	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,4-Dichlorobenzene	<5.00	ug/L	5.00	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1-Dichloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,2-Dichloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1-Dichloroethene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
trans-1,2-Dichloroethene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,2-Dichloropropane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Ethyl Benzene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Methylene chloride	<20.0	ug/L	20.0	2.50		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Tetrachloroethene	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Toluene	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1,1-Trichloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Trichloroethene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Vinyl chloride	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Acrolein	<50.0	ug/L	50.0	15.0		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Acrylonitrile	<50.0	ug/L	50.0	3.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Total Trihalomethanes	37.0	ug/L	10.0	5.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	11/08/2023 00:30	**Matrix:**	Aqueous
Lab ID:	Q2348044001	**Date Received:**	11/09/2023 09:56	**Sample Type:**	SAMPLE
Sample ID:	49943301- A-E SAREFF-0030	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E624.1 Purgeables)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
2-Butanone	<50.0	ug/L	50.0	15.0		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,2-Dibromoethane	<2	ug/L	2	1		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
o-Xylene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
m,p-Xylene	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Xylene (total)	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	11/08/2023 06:30	**Matrix:**	Aqueous
Lab ID:	Q2348044002	**Date Received:**	11/09/2023 09:56	**Sample Type:**	SAMPLE
Sample ID:	49943302- A-E SAREFF-0630	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E624.1 Purgeables)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Benzene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Bromodichloromethane	17.8	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Bromoform	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Bromomethane	<20.0	ug/L	20.0	5.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Carbon tetrachloride	<2.00	ug/L	2.00	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Chlorobenzene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Chloroethane	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
2-Chloroethylvinyl ether	<10.0	ug/L	10.0	6.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Chloroform	22.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Chloromethane	<20.0	ug/L	20.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Dibromochloromethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,2-Dichlorobenzene	<5.00	ug/L	5.00	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,3-Dichlorobenzene	<5.00	ug/L	5.00	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,4-Dichlorobenzene	<5.00	ug/L	5.00	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1-Dichloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,2-Dichloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1-Dichloroethene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
trans-1,2-Dichloroethene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,2-Dichloropropane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Ethyl Benzene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Methylene chloride	<20.0	ug/L	20.0	2.50		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Tetrachloroethene	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Toluene	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1,1-Trichloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Trichloroethene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Vinyl chloride	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Acrolein	<50.0	ug/L	50.0	15.0		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Acrylonitrile	<50.0	ug/L	50.0	3.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Total Trihalomethanes	49.0	ug/L	10.0	5.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
2-Butanone	<50.0	ug/L	50.0	15.0		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	11/08/2023 06:30	**Matrix:**	Aqueous
Lab ID:	Q2348044002	**Date Received:**	11/09/2023 09:56	**Sample Type:**	SAMPLE
Sample ID:	49943302- A-E SAREFF-0630	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E624.1 Purgeables)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
1,2-Dibromoethane	<2	ug/L	2	1		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
o-Xylene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
m,p-Xylene	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Xylene (total)	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	

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Analytical Results

Client ID: COA WALNUT
Lab ID: Q2348044003
Sample ID: 49943303- A-E SAREFF-1230
Project ID: Walnut Creek New Contract Sub Tests

Date Collected: 11/08/2023 12:30
Date Received: 11/09/2023 09:56
Location:
Facility:
Sample Point:

Matrix: Aqueous
Sample Type: SAMPLE

Subcontracted (E624.1 Purgeables)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Benzene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Bromodichloromethane	22.3	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Bromoform	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Bromomethane	<20.0	ug/L	20.0	5.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Carbon tetrachloride	<2.00	ug/L	2.00	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Chlorobenzene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Chloroethane	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
2-Chloroethylvinyl ether	<10.0	ug/L	10.0	6.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Chloroform	27.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Chloromethane	<20.0	ug/L	20.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Dibromochloromethane	11.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,2-Dichlorobenzene	<5.00	ug/L	5.00	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,3-Dichlorobenzene	<5.00	ug/L	5.00	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,4-Dichlorobenzene	<5.00	ug/L	5.00	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1-Dichloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,2-Dichloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1-Dichloroethene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
trans-1,2-Dichloroethene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,2-Dichloropropane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Ethyl Benzene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Methylene chloride	<20.0	ug/L	20.0	2.50		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Tetrachloroethene	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Toluene	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1,1-Trichloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Trichloroethene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Vinyl chloride	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Acrolein	<50.0	ug/L	50.0	15.0		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Acrylonitrile	<50.0	ug/L	50.0	3.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Total Trihalomethanes	61.4	ug/L	10.0	5.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
2-Butanone	<50.0	ug/L	50.0	15.0		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	11/08/2023 12:30	**Matrix:**	Aqueous
Lab ID:	Q2348044003	**Date Received:**	11/09/2023 09:56	**Sample Type:**	SAMPLE
Sample ID:	49943303- A-E SAREFF-1230	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E624.1 Purgeables)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
1,2-Dibromoethane	<2	ug/L	2	1		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
o-Xylene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
m,p-Xylene	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Xylene (total)	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	

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Analytical Results

Client ID: COA WALNUT
Lab ID: Q2348044004
Sample ID: 49943304- A-E SAREFF-1830
Project ID: Walnut Creek New Contract Sub Tests

Date Collected: 11/08/2023 18:30
Date Received: 11/09/2023 09:56
Location:
Facility:
Sample Point:

Matrix: Aqueous
Sample Type: SAMPLE

Subcontracted (E624.1 Purgeables)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Benzene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Bromodichloromethane	16.4	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Bromoform	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Bromomethane	<20.0	ug/L	20.0	5.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Carbon tetrachloride	<2.00	ug/L	2.00	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Chlorobenzene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Chloroethane	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
2-Chloroethylvinyl ether	<10.0	ug/L	10.0	6.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Chloroform	17.7	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Chloromethane	<20.0	ug/L	20.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Dibromochloromethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,2-Dichlorobenzene	<5.00	ug/L	5.00	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,3-Dichlorobenzene	<5.00	ug/L	5.00	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,4-Dichlorobenzene	<5.00	ug/L	5.00	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1-Dichloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,2-Dichloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1-Dichloroethene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
trans-1,2-Dichloroethene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,2-Dichloropropane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Ethyl Benzene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Methylene chloride	<20.0	ug/L	20.0	2.50		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Tetrachloroethene	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Toluene	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1,1-Trichloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Trichloroethene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Vinyl chloride	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Acrolein	<50.0	ug/L	50.0	15.0		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Acrylonitrile	<50.0	ug/L	50.0	3.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Total Trihalomethanes	44.6	ug/L	10.0	5.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
2-Butanone	<50.0	ug/L	50.0	15.0		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	11/08/2023 18:30	**Matrix:**	Aqueous
Lab ID:	Q2348044004	**Date Received:**	11/09/2023 09:56	**Sample Type:**	SAMPLE
Sample ID:	49943304- A-E SAREFF-1830	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E624.1 Purgeables)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
1,2-Dibromoethane	<2	ug/L	2	1		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
o-Xylene	<10.0	ug/L	10.0	1.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
m,p-Xylene	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	
Xylene (total)	<10.0	ug/L	10.0	2.00		1	11/10/2023 00:00	SUB	11/10/2023 00:00	SUB	

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DHL ANALYTICAL

November 20, 2023

Ariana Dean
LCRA Env. Services Lab
3505 Montopolis EL101
Austin, Texas 78744
TEL: (512) 730-5694
FAX:

Order No.: 2311102

RE: Q2348044

Dear Ariana Dean:

DHL Analytical, Inc. received 4 sample(s) on 11/10/2023 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAP except where noted in the Case Narrative. All non-NELAP methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

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

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

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Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

LCRA Chain of Custody 2311102

Document: 45497573 - HBN 147595

Results Requested By:

Report To	Subcontract To
LCRA Environmental Laboratory Services 3505 Montopolis Drive Austin, TX 78744 Phone (512)730-6022 Fax (512)730-6021 Email environmental.lab@lcra.org	John Dupont DHL Analytical 2300 Double Creek Drive Round Rock, TX 78664 Phone (512)388-8222 Fax (512)388-8229

Item	Lab ID	Collect Date/Time		Matrix	Preserved Containers: COOL 6C	Requested Analysis: E624.1 Purgeables	LAB USE ONLY
1	Q2348044001	11/08/2023 00:30		Aqueous	3	X	01
2	Q2348044002	11/08/2023 06:30		Aqueous	3	X	02
3	Q2348044003	11/08/2023 12:30		Aqueous	3	X	03
4	Q2348044004	11/08/2023 18:30		Aqueous	3	X	04

Report
- ☐ Standard (Results Only)
- ☐ Standard with Batch QC
- ☐ CLP
- ☐ Other _____

Electronic Data Deliverables
- ☐ Stage 2A
- ☐ Stage 2B
- ☐ Stage 3
- ☐ Other _____

Comments

THE SUBCONTRACTOR NOTED ON THIS COC IS THE ONLY LAB AUTHORIZED TO ANALYZE THE SUBMITTED SAMPLES. ANY DEVIATION FROM THIS PROTOCOL REQUIRES WRITTEN AUTHORIZATION FROM ELS MANAGEMENT.

4.3°C thermm#78
custody seal intact

Preservative

COOL 6C = Cool to <=6 degrees C

Transfers	Released By	Date/Time	Received By	Date/Time
1		11/9/23 1500	Fedex	11/9/23 1500
2				
3				
4				
5	Fedex	11/10/23 0930		11/10/23 0830

Thursday, November 9, 2023 12:17:42 PM
Page 1 of 3

HORIZON

Environmental Laboratory Services
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LCRA Chain of Custody

Document: 45497573 - HBN 147595

Chain of Custody - Required Limits

Document: 45497573 - HBN 147595

	Method	Analyte	LOD	RL	MCL	LOQ Check Standard Required?
	E624.1 Purgeables	1,1,1-Trichloroethane				No
	E624.1 Purgeables	1,1,2,2-Tetrachloroethane				No
	E624.1 Purgeables	1,1,2-Trichloroethane				No
	E624.1 Purgeables	1,1-Dichloroethane				No
	E624.1 Purgeables	1,1-Dichloroethene				No
	E624.1 Purgeables	1,2-Dibromoethane				No
	E624.1 Purgeables	1,2-Dichlorobenzene				No
	E624.1 Purgeables	1,2-Dichloroethane				No
	E624.1 Purgeables	1,2-Dichloropropane				No
	E624.1 Purgeables	1,3-Dichlorobenzene				No
	E624.1 Purgeables	1,4-Dichlorobenzene				No
	E624.1 Purgeables	2-Butanone				No
	E624.1 Purgeables	2-Chloroethylvinyl ether				No
	E624.1 Purgeables	Acrolein				No
	E624.1 Purgeables	Acrylonitrile				No
	E624.1 Purgeables	Benzene				No
	E624.1 Purgeables	Bromodichloromethane				No
	E624.1 Purgeables	Bromoform				No
	E624.1 Purgeables	Bromomethane				No
	E624.1 Purgeables	Carbon tetrachloride				No

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LCRA Chain of Custody

Document: 45497573 - HBN 147595

	E624.1 Purgeables	Chlorobenzene				No
	E624.1 Purgeables	Chloroethane				No
	E624.1 Purgeables	Chloroform				No
	E624.1 Purgeables	Chloromethane				No
	E624.1 Purgeables	Dibromochloromethane				No
	E624.1 Purgeables	Ethyl Benzene				No
	E624.1 Purgeables	Methylene chloride				No
	E624.1 Purgeables	Tetrachloroethene				No
	E624.1 Purgeables	Toluene				No
	E624.1 Purgeables	Total Trihalomethanes				No
	E624.1 Purgeables	Trichloroethene				No
	E624.1 Purgeables	Vinyl chloride				No
	E624.1 Purgeables	Xylene (total)				No
	E624.1 Purgeables	cis-1,3-Dichloropropene				No
	E624.1 Purgeables	m,p-Xylene				No
	E624.1 Purgeables	o-Xylene				No
	E624.1 Purgeables	trans-1,2-Dichloroethene				No
	E624.1 Purgeables	trans-1,3-Dichloropropene				No

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DHL Analytical, Inc.

Sample Receipt Checklist

Client Name: **LCRA Env. Services Lab** Date Received: **11/10/2023**

Work Order Number: **2311102** Received by: **KAO**

Checklist completed by: _____ 11/10/2023 Reviewed by: SH 11/10/2023
Signature Date Initials Date

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☐	No ☑	No VOA vials submitted ☐ NA ☐
Water - pH<2 acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by
Water - ph>9 (S) or ph>10 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Cooler # 1
Temp °C 4.3
Seal Intact Y

Any No response must be detailed in the comments section below.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: All vials for samples "Q2348044002", "Q2348044003", & "Q2348044004" received with headspace > 6mm in diameter.

Corrective Action: Proceed & flag data.

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Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
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DHL Analytical, Inc. **Date:** *20-Nov-23*

CLIENT: LCRA Env. Services Lab
Project: Q2348044
Lab Order: 2311102

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Method E624.1 - Volatile Organics Analysis

LOG IN

The samples were received and log-in performed on 11/10/23. A total of 4 samples were received. Three samples arrived at DHL Analytical with headspace greater than 6mm in diameter. Proceeded with analysis as per the client. The results for these three samples are flagged with a "C" to designate this. The samples arrived in good condition and were properly packaged. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

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DHL Analytical, Inc.

Date: *20-Nov-23*

CLIENT: LCRA Env. Services Lab
Project: Q2348044
Lab Order: 2311102

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2311102-01	Q2348044001		11/08/23 12:30 AM	11/10/2023
2311102-02	Q2348044002		11/08/23 06:30 AM	11/10/2023
2311102-03	Q2348044003		11/08/23 12:30 PM	11/10/2023
2311102-04	Q2348044004		11/08/23 06:30 PM	11/10/2023

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DHL Analytical, Inc.

20-Nov-23

Lab Order: 2311102
Client: LCRA Env. Services Lab
Project: Q2348044

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2311102-01A	Q2348044001	11/08/23 12:30 AM	Aqueous	E624_PR	Purge and Trap Water GC/MS	11/10/23 09:30 AM	112888
2311102-02A	Q2348044002	11/08/23 06:30 AM	Aqueous	E624_PR	Purge and Trap Water GC/MS	11/10/23 09:30 AM	112888
2311102-03A	Q2348044003	11/08/23 12:30 PM	Aqueous	E624_PR	Purge and Trap Water GC/MS	11/10/23 09:30 AM	112888
2311102-04A	Q2348044004	11/08/23 06:30 PM	Aqueous	E624_PR	Purge and Trap Water GC/MS	11/10/23 09:30 AM	112888

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Environmental Laboratory Services
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DHL Analytical, Inc.

20-Nov-23

Lab Order: 2311102
Client: LCRA Env. Services Lab
Project: Q2348044

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2311102-01A	Q2348044001	Aqueous	E624.1	624.1 Volatiles Water	112888	1	11/10/23 01:35 PM	GCMS7_231110B
2311102-02A	Q2348044002	Aqueous	E624.1	624.1 Volatiles Water	112888	1	11/10/23 02:01 PM	GCMS7_231110B
2311102-03A	Q2348044003	Aqueous	E624.1	624.1 Volatiles Water	112888	1	11/10/23 02:27 PM	GCMS7_231110B
2311102-04A	Q2348044004	Aqueous	E624.1	624.1 Volatiles Water	112888	1	11/10/23 02:52 PM	GCMS7_231110B

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DHL Analytical, Inc. **Date:** *20-Nov-23*

CLIENT: LCRA Env. Services Lab **Client Sample ID:** Q2348044001
Project: Q2348044 **Lab ID:** 2311102-01
Project No: **Collection Date:** 11/08/23 12:30 AM
Lab Order: 2311102 **Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER		**E624.1**					Analyst: **JVR**
1,1,1-Trichloroethane	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM
1,1,2,2-Tetrachloroethane	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM
1,1,2-Trichloroethane	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM
1,1-Dichloroethane	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM
1,1-Dichloroethene	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM
1,2-Dibromoethane	<1.00	1.00	2.00		µg/L	1	11/10/23 01:35 PM
1,2-Dichlorobenzene	<1.00	1.00	5.00		µg/L	1	11/10/23 01:35 PM
1,2-Dichloroethane	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM
1,2-Dichloropropane	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM
1,3-Dichlorobenzene	<1.00	1.00	5.00		µg/L	1	11/10/23 01:35 PM
1,4-Dichlorobenzene	<1.00	1.00	5.00		µg/L	1	11/10/23 01:35 PM
2-Butanone	<15.0	15.0	50.0		µg/L	1	11/10/23 01:35 PM
2-Chloroethylvinylether	<6.00	6.00	10.0		µg/L	1	11/10/23 01:35 PM
Acrolein	<15.0	15.0	50.0		µg/L	1	11/10/23 01:35 PM
Acrylonitrile	<3.00	3.00	50.0		µg/L	1	11/10/23 01:35 PM
Benzene	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM
Bromodichloromethane	13.6	1.00	10.0		µg/L	1	11/10/23 01:35 PM
Bromoform	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM
Bromomethane	<5.00	5.00	20.0		µg/L	1	11/10/23 01:35 PM
Carbon tetrachloride	<1.00	1.00	2.00		µg/L	1	11/10/23 01:35 PM
Chlorobenzene	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM
Chloroethane	<2.00	2.00	10.0		µg/L	1	11/10/23 01:35 PM
Chloroform	15.5	1.00	10.0		µg/L	1	11/10/23 01:35 PM
Chloromethane	<1.00	1.00	20.0		µg/L	1	11/10/23 01:35 PM
Dibromochloromethane	7.84	1.00	10.0	J	µg/L	1	11/10/23 01:35 PM
Ethylbenzene	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM
Methylene chloride	<2.50	2.50	20.0		µg/L	1	11/10/23 01:35 PM
Tetrachloroethene	<2.00	2.00	10.0		µg/L	1	11/10/23 01:35 PM
Toluene	<2.00	2.00	10.0		µg/L	1	11/10/23 01:35 PM
TTHM (Total Trihalomethanes)	37.0	5.00	10.0		µg/L	1	11/10/23 01:35 PM
Trichloroethene	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM
Vinyl chloride	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM
Xylenes, Total	<2.00	2.00	10.0		µg/L	1	11/10/23 01:35 PM
cis-1,3-Dichloropropene	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM
m,p-Xylene	<2.00	2.00	10.0		µg/L	1	11/10/23 01:35 PM
o-Xylene	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM
trans-1,2-Dichloroethene	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM
trans-1,3-Dichloropropene	<1.00	1.00	10.0		µg/L	1	11/10/23 01:35 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

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Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

DHL Analytical, Inc. **Date:** *20-Nov-23*

CLIENT:	LCRA Env. Services Lab	**Client Sample ID:**	Q2348044001
Project:	Q2348044	**Lab ID:**	2311102-01
Project No:		**Collection Date:**	11/08/23 12:30 AM
Lab Order:	2311102	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER		**E624.1**					Analyst: **JVR**
Surr: 1,2-Dichloroethane-d4	93.3	0	72-119		%REC	1	11/10/23 01:35 PM
Surr: 4-Bromofluorobenzene	99.7	0	76-119		%REC	1	11/10/23 01:35 PM
Surr: Dibromofluoromethane	87.7	0	85-115		%REC	1	11/10/23 01:35 PM
Surr: Toluene-d8	95.5	0	81-120		%REC	1	11/10/23 01:35 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

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Phone (512)730-6022
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DHL Analytical, Inc. **Date:** *20-Nov-23*

CLIENT:	LCRA Env. Services Lab	**Client Sample ID:**	Q2348044002
Project:	Q2348044	**Lab ID:**	2311102-02
Project No:		**Collection Date:**	11/08/23 06:30 AM
Lab Order:	2311102	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER		**E624.1**					Analyst: **JVR**
1,1,1-Trichloroethane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
1,1,2,2-Tetrachloroethane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
1,1,2-Trichloroethane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
1,1-Dichloroethane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
1,1-Dichloroethene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
1,2-Dibromoethane	<1.00	1.00	2.00	C	µg/L	1	11/10/23 02:01 PM
1,2-Dichlorobenzene	<1.00	1.00	5.00	C	µg/L	1	11/10/23 02:01 PM
1,2-Dichloroethane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
1,2-Dichloropropane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
1,3-Dichlorobenzene	<1.00	1.00	5.00	C	µg/L	1	11/10/23 02:01 PM
1,4-Dichlorobenzene	<1.00	1.00	5.00	C	µg/L	1	11/10/23 02:01 PM
2-Butanone	<15.0	15.0	50.0	C	µg/L	1	11/10/23 02:01 PM
2-Chloroethylvinylether	<6.00	6.00	10.0	C	µg/L	1	11/10/23 02:01 PM
Acrolein	<15.0	15.0	50.0	C	µg/L	1	11/10/23 02:01 PM
Acrylonitrile	<3.00	3.00	50.0	C	µg/L	1	11/10/23 02:01 PM
Benzene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
Bromodichloromethane	17.8	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
Bromoform	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
Bromomethane	<5.00	5.00	20.0	C	µg/L	1	11/10/23 02:01 PM
Carbon tetrachloride	<1.00	1.00	2.00	C	µg/L	1	11/10/23 02:01 PM
Chlorobenzene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
Chloroethane	<2.00	2.00	10.0	C	µg/L	1	11/10/23 02:01 PM
Chloroform	22.0	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
Chloromethane	<1.00	1.00	20.0	C	µg/L	1	11/10/23 02:01 PM
Dibromochloromethane	9.24	1.00	10.0	JC	µg/L	1	11/10/23 02:01 PM
Ethylbenzene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
Methylene chloride	<2.50	2.50	20.0	C	µg/L	1	11/10/23 02:01 PM
Tetrachloroethene	<2.00	2.00	10.0	C	µg/L	1	11/10/23 02:01 PM
Toluene	<2.00	2.00	10.0	C	µg/L	1	11/10/23 02:01 PM
TTHM (Total Trihalomethanes)	49.0	5.00	10.0	C	µg/L	1	11/10/23 02:01 PM
Trichloroethene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
Vinyl chloride	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
Xylenes, Total	<2.00	2.00	10.0	C	µg/L	1	11/10/23 02:01 PM
cis-1,3-Dichloropropene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
m,p-Xylene	<2.00	2.00	10.0	C	µg/L	1	11/10/23 02:01 PM
o-Xylene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
trans-1,2-Dichloroethene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM
trans-1,3-Dichloropropene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:01 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

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Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

DHL Analytical, Inc. **Date:** *20-Nov-23*

CLIENT:	LCRA Env. Services Lab	**Client Sample ID:**	Q2348044002
Project:	Q2348044	**Lab ID:**	2311102-02
Project No:		**Collection Date:**	11/08/23 06:30 AM
Lab Order:	2311102	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER		**E624.1**					Analyst: **JVR**
Surr: 1,2-Dichloroethane-d4	93.1	0	72-119		%REC	1	11/10/23 02:01 PM
Surr: 4-Bromofluorobenzene	105	0	76-119		%REC	1	11/10/23 02:01 PM
Surr: Dibromofluoromethane	97.3	0	85-115		%REC	1	11/10/23 02:01 PM
Surr: Toluene-d8	94.0	0	81-120		%REC	1	11/10/23 02:01 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

DHL Analytical, Inc. **Date:** *20-Nov-23*

CLIENT: LCRA Env. Services Lab
Project: Q2348044
Project No:
Lab Order: 2311102

Client Sample ID: Q2348044003
Lab ID: 2311102-03
Collection Date: 11/08/23 12:30 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER		**E624.1**					Analyst: **JVR**
1,1,1-Trichloroethane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
1,1,2,2-Tetrachloroethane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
1,1,2-Trichloroethane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
1,1-Dichloroethane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
1,1-Dichloroethene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
1,2-Dibromoethane	<1.00	1.00	2.00	C	µg/L	1	11/10/23 02:27 PM
1,2-Dichlorobenzene	<1.00	1.00	5.00	C	µg/L	1	11/10/23 02:27 PM
1,2-Dichloroethane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
1,2-Dichloropropane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
1,3-Dichlorobenzene	<1.00	1.00	5.00	C	µg/L	1	11/10/23 02:27 PM
1,4-Dichlorobenzene	<1.00	1.00	5.00	C	µg/L	1	11/10/23 02:27 PM
2-Butanone	<15.0	15.0	50.0	C	µg/L	1	11/10/23 02:27 PM
2-Chloroethylvinylether	<6.00	6.00	10.0	C	µg/L	1	11/10/23 02:27 PM
Acrolein	<15.0	15.0	50.0	C	µg/L	1	11/10/23 02:27 PM
Acrylonitrile	<3.00	3.00	50.0	C	µg/L	1	11/10/23 02:27 PM
Benzene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
Bromodichloromethane	22.3	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
Bromoform	1.10	1.00	10.0	JC	µg/L	1	11/10/23 02:27 PM
Bromomethane	<5.00	5.00	20.0	C	µg/L	1	11/10/23 02:27 PM
Carbon tetrachloride	<1.00	1.00	2.00	C	µg/L	1	11/10/23 02:27 PM
Chlorobenzene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
Chloroethane	<2.00	2.00	10.0	C	µg/L	1	11/10/23 02:27 PM
Chloroform	27.0	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
Chloromethane	<1.00	1.00	20.0	C	µg/L	1	11/10/23 02:27 PM
Dibromochloromethane	11.0	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
Ethylbenzene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
Methylene chloride	<2.50	2.50	20.0	C	µg/L	1	11/10/23 02:27 PM
Tetrachloroethene	<2.00	2.00	10.0	C	µg/L	1	11/10/23 02:27 PM
Toluene	<2.00	2.00	10.0	C	µg/L	1	11/10/23 02:27 PM
TTHM (Total Trihalomethanes)	61.4	5.00	10.0	C	µg/L	1	11/10/23 02:27 PM
Trichloroethene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
Vinyl chloride	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
Xylenes, Total	<2.00	2.00	10.0	C	µg/L	1	11/10/23 02:27 PM
cis-1,3-Dichloropropene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
m,p-Xylene	<2.00	2.00	10.0	C	µg/L	1	11/10/23 02:27 PM
o-Xylene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
trans-1,2-Dichloroethene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM
trans-1,3-Dichloropropene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:27 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

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Environmental Laboratory Services
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3505 Montopolis Drive
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Fax (512)730-6021

DHL Analytical, Inc. **Date:** *20-Nov-23*

CLIENT:	LCRA Env. Services Lab	**Client Sample ID:**	Q2348044003
Project:	Q2348044	**Lab ID:**	2311102-03
Project No:		**Collection Date:**	11/08/23 12:30 PM
Lab Order:	2311102	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER		**E624.1**					Analyst: **JVR**
Surr: 1,2-Dichloroethane-d4	94.1	0	72-119		%REC	1	11/10/23 02:27 PM
Surr: 4-Bromofluorobenzene	101	0	76-119		%REC	1	11/10/23 02:27 PM
Surr: Dibromofluoromethane	97.2	0	85-115		%REC	1	11/10/23 02:27 PM
Surr: Toluene-d8	93.6	0	81-120		%REC	1	11/10/23 02:27 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

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DHL Analytical, Inc. **Date:** *20-Nov-23*

CLIENT: LCRA Env. Services Lab **Client Sample ID:** Q2348044004
Project: Q2348044 **Lab ID:** 2311102-04
Project No: **Collection Date:** 11/08/23 06:30 PM
Lab Order: 2311102 **Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER		**E624.1**					Analyst: **JVR**
1,1,1-Trichloroethane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
1,1,2,2-Tetrachloroethane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
1,1,2-Trichloroethane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
1,1-Dichloroethane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
1,1-Dichloroethene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
1,2-Dibromoethane	<1.00	1.00	2.00	C	µg/L	1	11/10/23 02:52 PM
1,2-Dichlorobenzene	<1.00	1.00	5.00	C	µg/L	1	11/10/23 02:52 PM
1,2-Dichloroethane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
1,2-Dichloropropane	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
1,3-Dichlorobenzene	<1.00	1.00	5.00	C	µg/L	1	11/10/23 02:52 PM
1,4-Dichlorobenzene	<1.00	1.00	5.00	C	µg/L	1	11/10/23 02:52 PM
2-Butanone	<15.0	15.0	50.0	C	µg/L	1	11/10/23 02:52 PM
2-Chloroethylvinylether	<6.00	6.00	10.0	C	µg/L	1	11/10/23 02:52 PM
Acrolein	<15.0	15.0	50.0	C	µg/L	1	11/10/23 02:52 PM
Acrylonitrile	<3.00	3.00	50.0	C	µg/L	1	11/10/23 02:52 PM
Benzene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
Bromodichloromethane	16.4	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
Bromoform	1.10	1.00	10.0	JC	µg/L	1	11/10/23 02:52 PM
Bromomethane	<5.00	5.00	20.0	C	µg/L	1	11/10/23 02:52 PM
Carbon tetrachloride	<1.00	1.00	2.00	C	µg/L	1	11/10/23 02:52 PM
Chlorobenzene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
Chloroethane	<2.00	2.00	10.0	C	µg/L	1	11/10/23 02:52 PM
Chloroform	17.7	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
Chloromethane	<1.00	1.00	20.0	C	µg/L	1	11/10/23 02:52 PM
Dibromochloromethane	9.43	1.00	10.0	JC	µg/L	1	11/10/23 02:52 PM
Ethylbenzene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
Methylene chloride	<2.50	2.50	20.0	C	µg/L	1	11/10/23 02:52 PM
Tetrachloroethene	<2.00	2.00	10.0	C	µg/L	1	11/10/23 02:52 PM
Toluene	<2.00	2.00	10.0	C	µg/L	1	11/10/23 02:52 PM
TTHM (Total Trihalomethanes)	44.6	5.00	10.0	C	µg/L	1	11/10/23 02:52 PM
Trichloroethene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
Vinyl chloride	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
Xylenes, Total	<2.00	2.00	10.0	C	µg/L	1	11/10/23 02:52 PM
cis-1,3-Dichloropropene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
m,p-Xylene	<2.00	2.00	10.0	C	µg/L	1	11/10/23 02:52 PM
o-Xylene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
trans-1,2-Dichloroethene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM
trans-1,3-Dichloropropene	<1.00	1.00	10.0	C	µg/L	1	11/10/23 02:52 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

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Fax (512)730-6021

DHL Analytical, Inc. **Date:** *20-Nov-23*

CLIENT:	LCRA Env. Services Lab	**Client Sample ID:**	Q2348044004
Project:	Q2348044	**Lab ID:**	2311102-04
Project No:		**Collection Date:**	11/08/23 06:30 PM
Lab Order:	2311102	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER		**E624.1**					Analyst: **JVR**
Surr: 1,2-Dichloroethane-d4	94.1	0	72-119		%REC	1	11/10/23 02:52 PM
Surr: 4-Bromofluorobenzene	104	0	76-119		%REC	1	11/10/23 02:52 PM
Surr: Dibromofluoromethane	97.2	0	85-115		%REC	1	11/10/23 02:52 PM
Surr: Toluene-d8	94.2	0	81-120		%REC	1	11/10/23 02:52 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

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DHL Analytical, Inc. **Date:** *20-Nov-23*

CLIENT: LCRA Env. Services Lab
Work Order: 2311102
Project: Q2348044

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_231110B

The QC data in batch 112888 applies to the following samples: 2311102-01A, 2311102-02A, 2311102-03A, 2311102-04A

Sample ID: **LCS-112888** Batch ID: **112888** TestNo: **E624.1** Units: **µg/L**
SampType: **LCS** Run ID: **GCMS7_231110B** Analysis Date: **11/10/2023 10:42:00 A** Prep Date: **11/10/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	24.1	10.0	23.20	0	104	65	135			
Carbon tetrachloride	22.7	2.00	23.20	0	98.0	70	130			
Chlorobenzene	22.6	10.0	23.20	0	97.5	35	135			
Chloroform	23.5	2.00	23.20	0	101	70	135			
Dibromochloromethane	20.6	5.00	23.20	0	88.8	70	135			
1,2-Dibromoethane	21.9	2.00	23.20	0	94.4	60	140			
1,2-Dichloroethane	23.0	5.00	23.20	0	99.1	70	130			
1,1-Dichloroethene	21.0	5.00	23.20	0	90.5	50	150			
2-Butanone	112	50.0	116.0	0	96.4	60	140			
Tetrachloroethene	22.1	10.0	23.20	0	95.4	70	130			
Trichloroethene	23.5	5.00	23.20	0	101	65	135			
1,1,1-Trichloroethane	23.1	10.0	23.20	0	99.4	70	130			
TTHM (Total Trihalomethanes)	87.0	10.0	92.80	0	93.7	60	140			
Vinyl chloride	21.6	10.0	23.20	0	93.3	5	195			
Acrolein	60.1	50.0	58.00	0	104	60	140			
Acrylonitrile	45.8	50.0	46.40	0	98.6	60	140			
1,1,2,2-Tetrachloroethane	21.4	10.0	23.20	0	92.2	60	140			
Bromoform	20.0	10.0	23.20	0	86.0	65	135			
Chloroethane	20.2	10.0	23.20	0	87.3	40	160			
2-Chloroethylvinylether	24.1	10.0	23.20	0	104	5	225			
Bromodichloromethane	22.9	5.00	23.20	0	98.8	65	135			
1,1-Dichloroethane	23.0	10.0	23.20	0	99.3	70	130			
1,2-Dichloropropane	23.2	10.0	23.20	0	99.8	35	165			
cis-1,3-Dichloropropene	22.4	10.0	23.20	0	96.8	25	175			
trans-1,3-Dichloropropene	21.9	10.0	23.20	0	94.4	50	150			
Ethylbenzene	22.5	10.0	23.20	0	97.1	60	140			
Bromomethane	18.0	20.0	23.20	0	77.4	15	185			
Chloromethane	19.7	20.0	23.20	0	84.8	5	205			
Methylene chloride	23.4	5.00	23.20	0	101	60	140			
Toluene	23.9	10.0	23.20	0	103	70	130			
trans-1,2-Dichloroethene	23.6	2.00	23.20	0	102	70	130			
1,1,2-Trichloroethane	23.4	10.0	23.20	0	101	70	130			
1,2-Dichlorobenzene	22.0	5.00	23.20	0	95.0	65	135			
1,3-Dichlorobenzene	21.9	5.00	23.20	0	94.5	70	130			
1,4-Dichlorobenzene	21.3	5.00	23.20	0	91.7	65	135			
m,p-Xylene	45.5	10.0	46.40	0	98.0	60	140			
o-Xylene	21.7	10.0	23.20	0	93.7	60	140			
Xylenes, Total	67.2	10.0	69.60	0	96.6	60	140			
Surr: 1,2-Dichloroethane-d4	196		200.0		97.8	72	119			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

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Environmental Laboratory Services
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3505 Montopolis Drive
Austin, TX 78744
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CLIENT: LCRA Env. Services Lab
Work Order: 2311102
Project: Q2348044

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_231110B

Sample ID: LCS-112888	Batch ID: 112888	TestNo: E624.1	Units: µg/L
SampType: LCS	Run ID: GCMS7_231110B	Analysis Date: 11/10/2023 10:42:00 A	Prep Date: 11/10/2023

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	197		200.0		98.7	76	119			
Surr: Dibromofluoromethane	193		200.0		96.7	85	115			
Surr: Toluene-d8	190		200.0		94.8	81	120			

Sample ID: 2311118-02AMSD	Batch ID: 112888	TestNo: E624.1	Units: µg/L
SampType: MSD	Run ID: GCMS7_231110B	Analysis Date: 11/10/2023 11:37:00 A	Prep Date: 11/10/2023

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1170	500	1160	0	101	37	151	4.75	40	
Carbon tetrachloride	1100	100	1160	0	94.6	70	140	4.33	40	
Chlorobenzene	1100	500	1160	0	94.7	37	160	4.56	40	
Chloroform	1140	100	1160	0	98.5	51	138	4.34	40	
Dibromochloromethane	1000	250	1160	0	86.6	53	149	5.63	40	
1,2-Dibromoethane	1040	100	1160	0	89.9	40	160	3.46	40	
1,2-Dichloroethane	1120	250	1160	0	96.9	49	155	4.74	40	
1,1-Dichloroethene	1020	250	1160	0	87.8	10	234	6.00	32	
2-Butanone	5460	2500	5800	0	94.1	40	160	15.9	40	
Tetrachloroethene	1090	500	1160	0	93.8	64	148	5.57	39	
Trichloroethene	1150	250	1160	0	98.8	70	157	5.56	40	
1,1,1-Trichloroethane	1110	500	1160	0	95.9	52	162	3.85	36	
TTHM (Total Trihalomethanes)	4210	500	4640	0	90.6	40	160	4.82	40	
Vinyl chloride	1130	500	1160	0	97.8	10	251	4.90	40	
Acrolein	2760	2500	2900	0	95.1	40	160	16.1	40	
Acrylonitrile	2100	2500	2320	0	90.4	40	160	0.478	40	
1,1,2,2-Tetrachloroethane	1010	500	1160	0	87.5	46	157	3.66	40	
Bromoform	951	500	1160	0	81.9	45	169	3.81	40	
Chloroethane	1050	500	1160	0	90.7	14	230	4.32	40	
2-Chloroethylvinylether	1280	500	1160	0	110	5	273	5.67	40	
Bromodichloromethane	1110	250	1160	0	95.5	35	155	5.47	40	
1,1-Dichloroethane	1120	500	1160	0	96.6	59	155	4.47	40	
1,2-Dichloropropane	1120	500	1160	0	96.5	10	210	4.10	40	
cis-1,3-Dichloropropene	1100	500	1160	0	94.4	10	227	3.62	40	
trans-1,3-Dichloropropene	1060	500	1160	0	91.2	17	183	0.283	40	
Ethylbenzene	1090	500	1160	0	93.8	37	162	4.61	40	
Bromomethane	948	1000	1160	0	81.7	10	242	4.74	40	
Chloromethane	1060	1000	1160	0	91.5	5	273	2.65	40	
Methylene chloride	1120	250	1160	0	96.9	10	221	2.80	28	
Toluene	1160	500	1160	0	100	47	150	4.23	40	
trans-1,2-Dichloroethene	1150	100	1160	0	98.9	54	156	4.91	40	
1,1,2-Trichloroethane	1140	500	1160	0	98.5	52	150	4.70	40	
1,2-Dichlorobenzene	1070	250	1160	0	92.5	18	190	3.99	40	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

Environmental Laboratory Services
The Solution Lab

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3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
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CLIENT: LCRA Env. Services Lab
Work Order: 2311102
Project: Q2348044

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_231110B

Sample ID: **2311118-02AMSD**	Batch ID: **112888**	TestNo: **E624.1**	Units: **µg/L**
SampType: **MSD**	Run ID: **GCMS7_231110B**	Analysis Date: **11/10/2023 11:37:00 A**	Prep Date: **11/10/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	1080	250	1160	0	93.0	59	156	4.11	40	
1,4-Dichlorobenzene	1060	250	1160	0	91.5	18	190	5.62	40	
m,p-Xylene	2200	500	2320	0	94.8	40	160	5.41	40	
o-Xylene	1050	500	1160	0	90.9	40	160	3.97	40	
Xylenes, Total	3260	500	3480	0	93.5	40	160	4.94	40	
Surr: 1,2-Dichloroethane-d4	9660		10000		96.6	72	119	0	0	
Surr: 4-Bromofluorobenzene	9990		10000		99.9	76	119	0	0	
Surr: Dibromofluoromethane	9720		10000		97.2	85	115	0	0	
Surr: Toluene-d8	9430		10000		94.3	81	120	0	0	

Sample ID: **2311118-02AMS**	Batch ID: **112888**	TestNo: **E624.1**	Units: **µg/L**
SampType: **MS**	Run ID: **GCMS7_231110B**	Analysis Date: **11/10/2023 12:13:00 P**	Prep Date: **11/10/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1120	500	1160	0	96.6	37	151			
Carbon tetrachloride	1050	100	1160	0	90.6	70	140			
Chlorobenzene	1050	500	1160	0	90.5	37	160			
Chloroform	1090	100	1160	0	94.4	51	138			
Dibromochloromethane	950	250	1160	0	81.9	53	149			
1,2-Dibromoethane	1010	100	1160	0	86.9	40	160			
1,2-Dichloroethane	1070	250	1160	0	92.4	49	155			
1,1-Dichloroethene	1080	250	1160	0	93.2	10	234			
2-Butanone	6400	2500	5800	0	110	40	160			
Tetrachloroethene	1030	500	1160	0	88.7	64	148			
Trichloroethene	1080	250	1160	0	93.4	70	157			
1,1,1-Trichloroethane	1070	500	1160	0	92.3	52	162			
TTHM (Total Trihalomethanes)	4010	500	4640	0	86.4	40	160			
Vinyl chloride	1190	500	1160	0	103	10	251			
Acrolein	3240	2500	2900	0	112	40	160			
Acrylonitrile	2090	2500	2320	0	90.0	40	160			
1,1,2,2-Tetrachloroethane	978	500	1160	0	84.3	46	157			
Bromoform	915	500	1160	0	78.9	45	169			
Chloroethane	1100	500	1160	0	94.7	14	230			
2-Chloroethylvinylether	1350	500	1160	0	117	5	273			
Bromodichloromethane	1050	250	1160	0	90.4	35	155			
1,1-Dichloroethane	1070	500	1160	0	92.4	59	155			
1,2-Dichloropropane	1070	500	1160	0	92.6	10	210			
cis-1,3-Dichloropropene	1060	500	1160	0	91.1	10	227			
trans-1,3-Dichloropropene	1060	500	1160	0	91.5	17	183			
Ethylbenzene	1040	500	1160	0	89.6	37	162			
Bromomethane	994	1000	1160	0	85.6	10	242			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

CLIENT: LCRA Env. Services Lab
Work Order: 2311102
Project: Q2348044

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_231110B

Sample ID: **2311118-02AMS**	Batch ID: **112888**	TestNo: **E624.1**	Units: **µg/L**
SampType: **MS**	Run ID: **GCMS7_231110B**	Analysis Date: **11/10/2023 12:13:00 P**	Prep Date: **11/10/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloromethane	1090	1000	1160	0	93.9	5	273			
Methylene chloride	1090	250	1160	0	94.2	10	221			
Toluene	1110	500	1160	0	95.8	47	150			
trans-1,2-Dichloroethene	1090	100	1160	0	94.1	54	156			
1,1,2-Trichloroethane	1090	500	1160	0	94.0	52	150			
1,2-Dichlorobenzene	1030	250	1160	0	88.9	18	190			
1,3-Dichlorobenzene	1040	250	1160	0	89.3	59	156			
1,4-Dichlorobenzene	1000	250	1160	0	86.5	18	190			
m,p-Xylene	2080	500	2320	0	89.8	40	160			
o-Xylene	1010	500	1160	0	87.4	40	160			
Xylenes, Total	3100	500	3480	0	89.0	40	160			
Surr: 1,2-Dichloroethane-d4	9240		10000		92.4	72	119			
Surr: 4-Bromofluorobenzene	9910		10000		99.1	76	119			
Surr: Dibromofluoromethane	9670		10000		96.7	85	115			
Surr: Toluene-d8	9400		10000		94.0	81	120			

Sample ID: **MB-112888**	Batch ID: **112888**	TestNo: **E624.1**	Units: **µg/L**
SampType: **MBLK**	Run ID: **GCMS7_231110B**	Analysis Date: **11/10/2023 1:10:00 PM**	Prep Date: **11/10/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	<1.00	10.0								
Carbon tetrachloride	<1.00	2.00								
Chlorobenzene	<1.00	10.0								
Chloroform	<1.00	2.00								
Dibromochloromethane	<1.00	5.00								
1,2-Dibromoethane	<1.00	2.00								
1,2-Dichloroethane	<1.00	5.00								
1,1-Dichloroethene	<1.00	5.00								
2-Butanone	<15.0	50.0								
Tetrachloroethene	<2.00	10.0								
Trichloroethene	<1.00	5.00								
1,1,1-Trichloroethane	<1.00	10.0								
TTHM (Total Trihalomethanes)	<5.00	10.0								
Vinyl chloride	<1.00	10.0								
Acrolein	<5.00	50.0								
Acrylonitrile	<3.00	50.0								
1,1,2,2-Tetrachloroethane	<1.00	10.0								
Bromoform	<1.00	10.0								
Chloroethane	<2.00	10.0								
2-Chloroethylvinylether	<6.00	10.0								
Bromodichloromethane	<1.00	5.00								

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

Environmental Laboratory Services
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3505 Montopolis Drive
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Phone (512)730-6022
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CLIENT: LCRA Env. Services Lab
Work Order: 2311102
Project: Q2348044

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_231110B

Sample ID: **MB-112888** Batch ID: **112888** TestNo: **E624.1** Units: **µg/L**
SampType: **MBLK** Run ID: **GCMS7_231110B** Analysis Date: **11/10/2023 1:10:00 PM** Prep Date: **11/10/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethane	<1.00	10.0								
1,2-Dichloropropane	<1.00	10.0								
cis-1,3-Dichloropropene	<1.00	10.0								
trans-1,3-Dichloropropene	<1.00	10.0								
Ethylbenzene	<1.00	10.0								
Bromomethane	<5.00	20.0								
Chloromethane	<1.00	20.0								
Methylene chloride	<2.50	5.00								
Toluene	<2.00	10.0								
trans-1,2-Dichloroethene	<1.00	2.00								
1,1,2-Trichloroethane	<1.00	10.0								
1,2-Dichlorobenzene	<1.00	5.00								
1,3-Dichlorobenzene	<1.00	5.00								
1,4-Dichlorobenzene	<1.00	5.00								
m,p-Xylene	<2.00	10.0								
o-Xylene	<1.00	10.0								
Xylenes, Total	<2.00	10.0								
Surr: 1,2-Dichloroethane-d4	188		200.0		94.2	72	119			
Surr: 4-Bromofluorobenzene	205		200.0		103	76	119			
Surr: Dibromofluoromethane	192		200.0		96.1	85	115			
Surr: Toluene-d8	192		200.0		96.0	81	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

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CLIENT: LCRA Env. Services Lab
Work Order: 2311102
Project: Q2348044

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_231110B

Sample ID: **ICV-231110** Batch ID: **R130093** TestNo: **E624.1** Units: **µg/L**
SampType: **ICV** Run ID: **GCMS7_231110B** Analysis Date: **11/10/2023 10:17:00 A** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	44.0	10.0	46.40	0	94.8	70	130			
Carbon tetrachloride	41.6	2.00	46.40	0	89.6	70	130			
Chlorobenzene	40.8	10.0	46.40	0	87.8	70	130			
Chloroform	43.1	2.00	46.40	0	92.8	70	130			
Dibromochloromethane	38.4	5.00	46.40	0	82.9	70	130			
1,2-Dibromoethane	39.1	2.00	46.40	0	84.3	70	130			
1,2-Dichloroethane	42.2	5.00	46.40	0	90.9	70	130			
1,1-Dichloroethene	42.8	5.00	46.40	0	92.2	70	130			
2-Butanone	225	50.0	232.0	0	97.1	70	130			
Tetrachloroethene	40.0	10.0	46.40	0	86.2	70	130			
Trichloroethene	43.2	5.00	46.40	0	93.1	70	130			
1,1,1-Trichloroethane	41.6	10.0	46.40	0	89.6	70	130			
TTHM (Total Trihalomethanes)	161	10.0	185.6	0	86.7	70	130			
Vinyl chloride	44.0	10.0	46.40	0	94.9	70	130			
Acrolein	127	50.0	116.0	0	110	70	130			
Acrylonitrile	84.2	50.0	92.80	0	90.7	70	130			
1,1,2,2-Tetrachloroethane	38.5	10.0	46.40	0	83.0	70	130			
Bromoform	37.5	10.0	46.40	0	80.9	70	130			
Chloroethane	42.9	10.0	46.40	0	92.4	70	130			
2-Chloroethylvinylether	48.3	10.0	46.40	0	104	70	130			
Bromodichloromethane	41.8	5.00	46.40	0	90.2	70	130			
1,1-Dichloroethane	42.1	10.0	46.40	0	90.8	70	130			
1,2-Dichloropropane	42.2	10.0	46.40	0	91.0	70	130			
cis-1,3-Dichloropropene	42.2	10.0	46.40	0	91.0	70	130			
trans-1,3-Dichloropropene	42.8	10.0	46.40	0	92.3	70	130			
Ethylbenzene	40.8	10.0	46.40	0	88.0	70	130			
Bromomethane	34.4	20.0	46.40	0	74.2	70	130			
Chloromethane	41.3	20.0	46.40	0	89.0	70	130			
Methylene chloride	42.8	5.00	46.40	0	92.3	70	130			
Toluene	43.9	10.0	46.40	0	94.7	70	130			
trans-1,2-Dichloroethene	43.4	2.00	46.40	0	93.4	70	130			
1,1,2-Trichloroethane	43.8	10.0	46.40	0	94.3	70	130			
1,2-Dichlorobenzene	39.9	5.00	46.40	0	86.1	70	130			
1,3-Dichlorobenzene	40.1	5.00	46.40	0	86.4	70	130			
1,4-Dichlorobenzene	39.2	5.00	46.40	0	84.5	70	130			
m,p-Xylene	81.6	10.0	92.80	0	87.9	70	130			
o-Xylene	40.1	10.0	46.40	0	86.5	70	130			
Xylenes, Total	122	10.0	139.2	0	87.5	70	130			
Surr: 1,2-Dichloroethane-d4	189		200.0		94.4	72	119			
Surr: 4-Bromofluorobenzene	197		200.0		98.6	76	119			
Surr: Dibromofluoromethane	194		200.0		97.0	85	115			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
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CLIENT: LCRA Env. Services Lab
Work Order: 2311102
Project: Q2348044

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_231110B

Sample ID: **ICV-231110**	Batch ID: **R130093**	TestNo: **E624.1**		Units: **µg/L**	
SampType: **ICV**	Run ID: **GCMS7_231110B**	Analysis Date: **11/10/2023 10:17:00 A**		Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Toluene-d8	187		200.0		93.3	81	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

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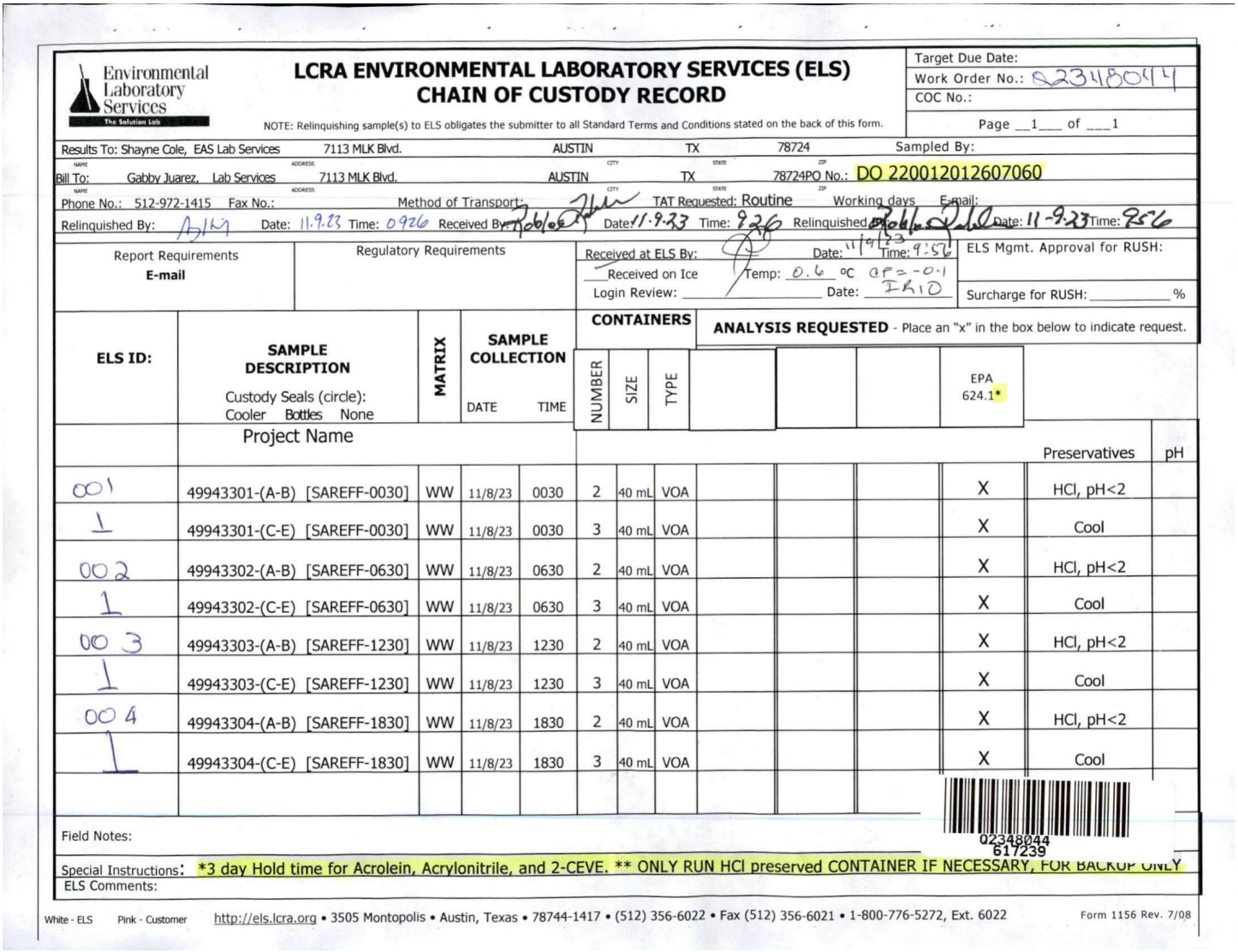

Environmental Laboratory Services — The Solution Lab

LCRA ENVIRONMENTAL LABORATORY SERVICES (ELS) CHAIN OF CUSTODY RECORD

NOTE: Relinquishing sample(s) to ELS obligates the submitter to all Standard Terms and Conditions stated on the back of this form.

Target Due Date:
Work Order No.: 23180114
COC No.:
Page 1 of 1

Results To: Shayne Cole, EAS Lab Services — 7113 MLK Blvd. — AUSTIN — TX — 78724 — Sampled By:

Bill To: Gabby Juarez, Lab Services — 7113 MLK Blvd. — AUSTIN — TX — 78724 — PO No.: DO 220012012607060

Phone No.: 512-972-1415 — Fax No.: — Method of Transport: — TAT Requested: Routine — Working days — E-mail:

Relinquished By: [illegible] Date: 11.9.23 Time: 0926 — Received By: [illegible] Date: 11.9.23 Time: 926 — Relinquished By: [illegible] Date: 11-9-23 Time: 956

Report Requirements: E-mail

Regulatory Requirements

Received at ELS By: [illegible] Date: 11/9/23 Time: 9:56

Received on Ice — Temp: 0.6 °C CF = -0.1

Login Review: [illegible] Date: IR 10

ELS Mgmt. Approval for RUSH:

Surcharge for RUSH: ____ %

ELS ID:	SAMPLE DESCRIPTION (Custody Seals (circle): Cooler Bottles None)	MATRIX	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	CONTAINERS NUMBER	CONTAINERS SIZE	CONTAINERS TYPE	ANALYSIS REQUESTED - Place an "x" in the box below to indicate request. EPA 624.1*	Preservatives	pH
	Project Name									
001	49943301-(A-B) [SAREFF-0030]	WW	11/8/23	0030	2	40 mL	VOA	X	HCl, pH<2	
1	49943301-(C-E) [SAREFF-0030]	WW	11/8/23	0030	3	40 mL	VOA	X	Cool	
002	49943302-(A-B) [SAREFF-0630]	WW	11/8/23	0630	2	40 mL	VOA	X	HCl, pH<2	
1	49943302-(C-E) [SAREFF-0630]	WW	11/8/23	0630	3	40 mL	VOA	X	Cool	
003	49943303-(A-B) [SAREFF-1230]	WW	11/8/23	1230	2	40 mL	VOA	X	HCl, pH<2	
1	49943303-(C-E) [SAREFF-1230]	WW	11/8/23	1230	3	40 mL	VOA	X	Cool	
004	49943304-(A-B) [SAREFF-1830]	WW	11/8/23	1830	2	40 mL	VOA	X	HCl, pH<2	
1	49943304-(C-E) [SAREFF-1830]	WW	11/8/23	1830	3	40 mL	VOA	X	Cool	

02348044 617239

Field Notes:

Special Instructions: *3 day Hold time for Acrolein, Acrylonitrile, and 2-CEVE. ** ONLY RUN HCl preserved CONTAINER IF NECESSARY, FOR BACKUP ONLY

ELS Comments:

White - ELS Pink - Customer http://els.lcra.org • 3505 Montopolis • Austin, Texas • 78744-1417 • (512) 356-6022 • Fax (512) 356-6021 • 1-800-776-5272, Ext. 6022 Form 1156 Rev. 7/08

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

LCRA Chain of Custody

Document: 45497573 - HBN 147595

Results Requested By:

Report To	Subcontract To
LCRA Environmental Laboratory Services 3505 Montopolis Drive Austin, TX 78744 Phone (512)730-6022 Fax (512)730-6021 Email environmental.lab@lcra.org	John Dupont DHL Analytical 2300 Double Creek Drive Round Rock, TX 78664 Phone (512)388-8222 Fax (512)388-8229

					Preserved Containers	Requested Analysis	
Item	Lab ID	Collect Date/Time		Matrix	COOL 6C	E624.1 Purgeables	LAB USE ONLY
1	Q2348044001	11/08/2023 00:30		Aqueous	5	X	
2	Q2348044002	11/08/2023 06:30		Aqueous	5	X	
3	Q2348044003	11/08/2023 12:30		Aqueous	5	X	
4	Q2348044004	11/08/2023 18:30		Aqueous	5	X	

Report

- ☐ Standard (Results Only)
- ☐ Standard with Batch QC
- ☐ CLP
- ☐ Other _____

Electronic Data Deliverables

- ☐ Stage 2A
- ☐ Stage 2B
- ☐ Stage 3
- ☐ Other _____

Comments

THE SUBCONTRACTOR NOTED ON THIS COC IS THE ONLY LAB AUTHORIZED TO ANALYZE THE SUBMITTED SAMPLES. ANY DEVIATION FROM THIS PROTOCOL REQUIRES WRITTEN AUTHORIZATION FROM ELS MANAGEMENT.

Preservative

COOL 6C = Cool to <=6 degrees C

Transfers	Released By	Date/Time	Received By	Date/Time
1		11/9/23 1500		
2				
3				
4				
5				

Thursday, November 9, 2023 12:17:42 PM
Page 1 of 3

HORIZON

Environmental Laboratory Services
The Solution Lab

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LCRA Chain of Custody

Document: 45497573 - HBN 147595

Chain of Custody - Required Limits

Document: 45497573 - HBN 147595

	Method	Analyte	LOD	RL	MCL	LOQ Check Standard Required?
	E624.1 Purgeables	1,1,1-Trichloroethane				No
	E624.1 Purgeables	1,1,2,2-Tetrachloroethane				No
	E624.1 Purgeables	1,1,2-Trichloroethane				No
	E624.1 Purgeables	1,1-Dichloroethane				No
	E624.1 Purgeables	1,1-Dichloroethene				No
	E624.1 Purgeables	1,2-Dibromoethane				No
	E624.1 Purgeables	1,2-Dichlorobenzene				No
	E624.1 Purgeables	1,2-Dichloroethane				No
	E624.1 Purgeables	1,2-Dichloropropane				No
	E624.1 Purgeables	1,3-Dichlorobenzene				No
	E624.1 Purgeables	1,4-Dichlorobenzene				No
	E624.1 Purgeables	2-Butanone				No
	E624.1 Purgeables	2-Chloroethylvinyl ether				No
	E624.1 Purgeables	Acrolein				No
	E624.1 Purgeables	Acrylonitrile				No
	E624.1 Purgeables	Benzene				No
	E624.1 Purgeables	Bromodichloromethane				No
	E624.1 Purgeables	Bromoform				No
	E624.1 Purgeables	Bromomethane				No
	E624.1 Purgeables	Carbon tetrachloride				No

Thursday, November 9, 2023 12:17:42 PM
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HORIZON

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LCRA Chain of Custody

Document: 45497573 - HBN 147595

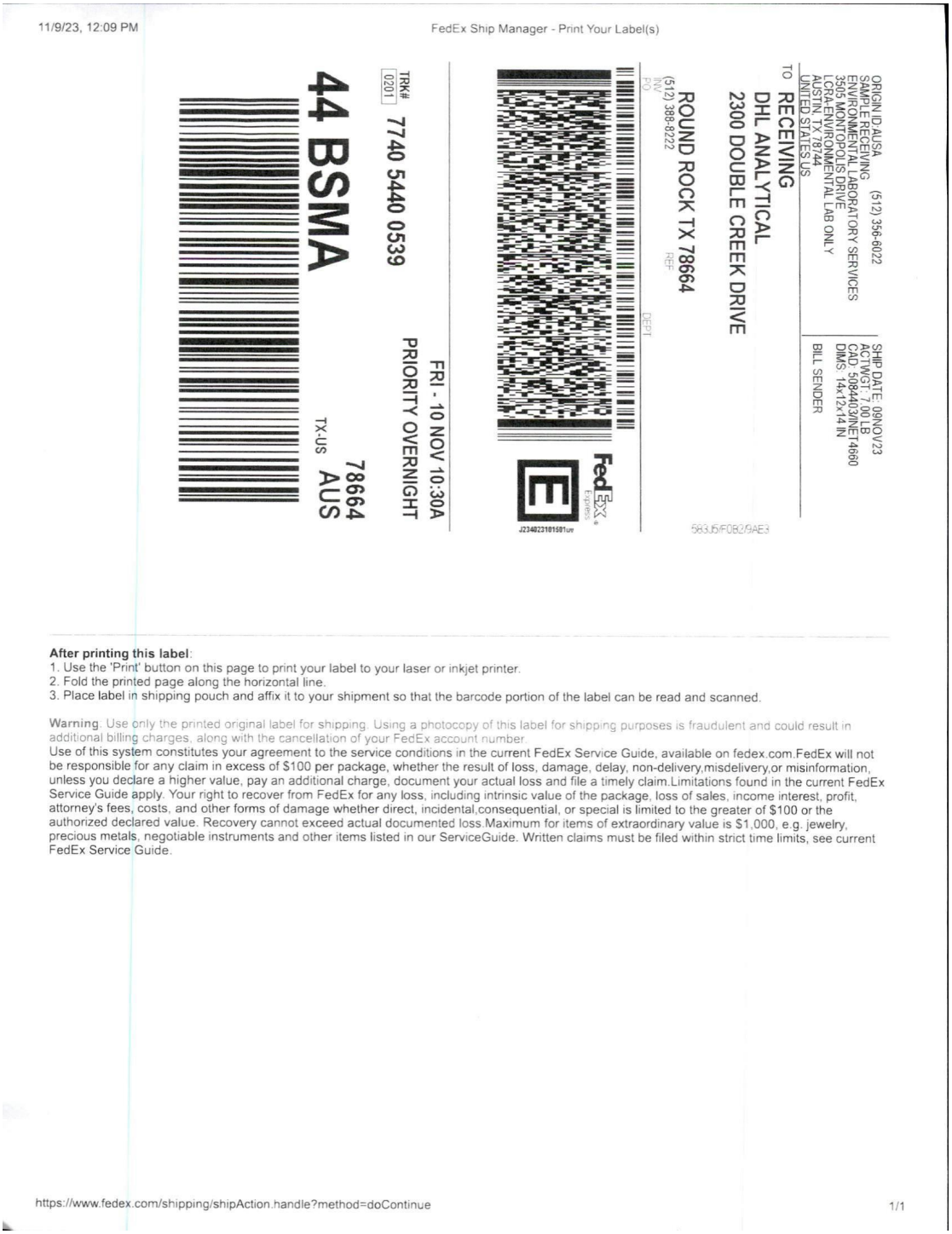
	E624.1 Purgeables	Chlorobenzene				No
	E624.1 Purgeables	Chloroethane				No
	E624.1 Purgeables	Chloroform				No
	E624.1 Purgeables	Chloromethane				No
	E624.1 Purgeables	Dibromochloromethane				No
	E624.1 Purgeables	Ethyl Benzene				No
	E624.1 Purgeables	Methylene chloride				No
	E624.1 Purgeables	Tetrachloroethene				No
	E624.1 Purgeables	Toluene				No
	E624.1 Purgeables	Total Trihalomethanes				No
	E624.1 Purgeables	Trichloroethene				No
	E624.1 Purgeables	Vinyl chloride				No
	E624.1 Purgeables	Xylene (total)				No
	E624.1 Purgeables	cis-1,3-Dichloropropene				No
	E624.1 Purgeables	m,p-Xylene				No
	E624.1 Purgeables	o-Xylene				No
	E624.1 Purgeables	trans-1,2-Dichloroethene				No
	E624.1 Purgeables	trans-1,3-Dichloropropene				No

Thursday, November 9, 2023 12:17:42 PM
Page 3 of 3

HORIZON

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021



11/9/23, 12:09 PM FedEx Ship Manager - Print Your Label(s)

ORIGIN ID:AUSA (512) 356-8022
SAMPLE RECEIVING
ENVIRONMENTAL LABORATORY SERVICES
3505 MONTOPOLIS DRIVE
LCRA ENVIRONMENTAL LAB ONLY
AUSTIN, TX 78744
UNITED STATES US

SHIP DATE: 09NOV23
ACTWGT: 7.00 LB
CAD: 5084403/INET4660
DIMS: 14x12x14 IN

BILL SENDER

TO RECEIVING
DHL ANALYTICAL
2300 DOUBLE CREEK DRIVE
ROUND ROCK TX 78664
(512) 388-8222
INV
PO
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DEPT

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TRK# 0201 7740 5440 0539

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End of Report

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November 28, 2023

GARY GILMER
COA WATER UTILITY DEPT WALNUT CREEK ENVTL LAB
7113 E MLK BLVD
AUSTIN, TX 78724
GARY.GILMER@AUSTINTEXAS.GOV

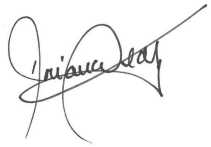
RE: Final Analytical Report Q2348042

Attn: GARY GILMER

Enclosed are the analytical results for sample(s) received by LCRA Environmental Laboratory Services. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report. This final report provides results related only to the sample(s) as received for the above referenced work order.

Thank you for selecting ELS for your analytical needs. If you have any questions regarding this report, please contact us at (512) 730-6022 or environmental.lab@lcra.org. We look forward to assisting you again.

Authorized for release by:



Ariana Dean
Account Manager
ariana.dean@lcra.org

Enclosures:
CC:BRAD GARDNER,SHAYNE COLE

LCRA Environmental Laboratory Services
3505 Montopolis Drive
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Workorder: Q2348042
Workorder Description: COAWALNUTSUB1_11092023
Client: COA WATER UTILITY DEPT WALNUT CREEK ENV LAB
Profile: Walnut Creek New Contract Sub Tests
Sampled By: JM

Report To: GARY GILMER
COA WATER UTILITY DEPT
WALNUT CREEK ENVTL LAB
7113 E MLK BLVD
AUSTIN, TX 78724

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
Q2348042001	49943305- A-E SAREFF	AQ	ASTM D7065-06 Nonylphenol	11/08/2023 18:30	11/09/2023 09:56	1
Q2348042001	49943305- A-E SAREFF	AQ	E1657, Pesticides	11/08/2023 18:30	11/09/2023 09:56	7
Q2348042001	49943305- A-E SAREFF	AQ	E604.1, Hexachlorophene	11/08/2023 18:30	11/09/2023 09:56	1
Q2348042001	49943305- A-E SAREFF	AQ	E608.3 Organochlorines, PCBs	11/08/2023 18:30	11/09/2023 09:56	26
Q2348042001	49943305- A-E SAREFF	AQ	E615 Herbicides	11/08/2023 18:30	11/09/2023 09:56	2
Q2348042001	49943305- A-E SAREFF	AQ	E617	11/08/2023 18:30	11/09/2023 09:56	3
Q2348042001	49943305- A-E SAREFF	AQ	E625.1 Base/Neutrals and Acids	11/08/2023 18:30	11/09/2023 09:56	65
Q2348042001	49943305- A-E SAREFF	AQ	E632, Carbaryl, Diuron	11/08/2023 18:30	11/09/2023 09:56	2

Report Definitions

MRL - Minimum Reporting Limit
LOD - Limit of Detection
ML - Maximum Limit - Client Specified
MCL - Maximum Contaminant Level
LOQ - Limit of Quantitation - Client Specified
DF - Dilution Factor
(S) - Surrogate Spike
MDL - Method Detection Limit
RPD - Relative Percent Difference

Qualifier Definitions

J - Analyte detected below quantitation limit
R - RPD outside duplicate precision limit
S - Spike recovery outside limit
B- Analyte detected in method blank
N - Not Accredited
M - Analyte Detected Above Maximum Contaminant Level
SL - Spike Recovery Low
SH - Spike Recovery High
H - Analyzed Past Hold Time
CR - Confirmed Result
CH - Result confirmed by historical data

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Workorder Summary

Sample Comments

Q2348042001 (49943305- A-E SAREFF) - Paying sample

ANALYTICAL COMMENTS: Q2348042001 (ASTM D7065-06 Nonylphenol) subcontracted with customer's approval. Data provided in full with the ELS final report.

ANALYTICAL COMMENTS: Q2348042001 (E1657, Pesticides) subcontracted with customer's approval. Data provided in full with the ELS final report.

ANALYTICAL COMMENTS: Q2348042001 (E604.1, Hexachlorophene) subcontracted with customer's approval. Data provided in full with the ELS final report.

ANALYTICAL COMMENTS: Q2348042001 (E608.3 Organochlorines, PCBs) subcontracted with customer's approval. Data provided in full with the ELS final report.

ANALYTICAL COMMENTS: Q2348042001 (E615 Herbicides) subcontracted with customer's approval. Data provided in full with the ELS final report.

ANALYTICAL COMMENTS: Q2348042001 (E617) subcontracted with customer's approval. Data provided in full with the ELS final report.

ANALYTICAL COMMENTS: Q2348042001 (E625.1 Base/Neutrals and Acids) subcontracted with customer's approval. Data provided in full with the ELS final report.

ANALYTICAL COMMENTS: Q2348042001 (E632, Carbaryl, Diuron) subcontracted with customer's approval. Data provided in full with the ELS final report.

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	11/08/2023 18:30	**Matrix:**	Aqueous
Lab ID:	Q2348042001	**Date Received:**	11/09/2023 09:56	**Sample Type:**	SAMPLE
Sample ID:	49943305- A-E SAREFF	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Herbicides (E615 Herbicides)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
2,4-D	<0.190	ug/L	0.190	0.0700		1	11/15/2023 01:33	SUB	11/15/2023 01:33	SUB	
2,4,5-TP	<0.190	ug/L	0.190	0.0900		1	11/15/2023 01:33	SUB	11/15/2023 01:33	SUB	

OP Pesticides (E1657, Pesticides)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Azinphos methyl	<0.0474	ug/L	0.0474	0.0392		.000948	11/17/2023 00:00	SUB	11/17/2023 00:00	SUB	
Chlorpyrifos	<0.0474	ug/L	0.0474	0.0214		.000948	11/17/2023 00:00	SUB	11/17/2023 00:00	SUB	
Demeton	<0.0474	ug/L	0.0474	0.0302		.000948	11/17/2023 00:00	SUB	11/17/2023 00:00	SUB	
Diazinon	<0.0474	ug/L	0.0474	0.0187		.000948	11/17/2023 00:00	SUB	11/17/2023 00:00	SUB	
Malathion	<0.0474	ug/L	0.0474	0.0235		.000948	11/17/2023 00:00	SUB	11/17/2023 00:00	SUB	
Ethyl Parathion	<0.0474	ug/L	0.0474	0.0227		.000948	11/17/2023 00:00	SUB	11/17/2023 00:00	SUB	
Methyl Parathion	<0.0474	ug/L	0.0474	0.0260		.000948	11/17/2023 00:00	SUB	11/17/2023 00:00	SUB	

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Analytical Results

Client ID: COA WALNUT
Lab ID: Q2348042001
Sample ID: 49943305- A-E SAREFF
Project ID: Walnut Creek New Contract Sub Tests

Date Collected: 11/08/2023 18:30
Date Received: 11/09/2023 09:56
Location:
Facility:
Sample Point:

Matrix: Aqueous
Sample Type: SAMPLE

Pesticides (E608.3 Organochlorines, PCBs)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
alpha-BHC	<0.00948	ug/L	0.00948	0.00265		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
gamma-BHC (Lindane)	<0.00948	ug/L	0.00948	0.00365		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
beta-BHC	0.0285	ug/L	0.00948	0.00549		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
delta-BHC	<0.00948	ug/L	0.00948	0.00851		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Heptachlor	<0.00948	ug/L	0.00948	0.00196		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Aldrin	<0.00948	ug/L	0.00948	0.00246		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Heptachlor epoxide	<0.00948	ug/L	0.00948	0.00626		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
4,4'-DDE	<0.00948	ug/L	0.00948	0.00342		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Endosulfan I	<0.00948	ug/L	0.00948	0.00644		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Dieldrin	<0.00948	ug/L	0.00948	0.00154		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Endrin	<0.00948	ug/L	0.00948	0.00510		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
4,4'-DDD	<0.00948	ug/L	0.00948	0.00693		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Endosulfan II	<0.00948	ug/L	0.00948	0.00337		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
4,4'-DDT	<0.00948	ug/L	0.00948	0.00817		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Endrin aldehyde	<0.00948	ug/L	0.00948	0.00663		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Endosulfan sulfate	<0.00948	ug/L	0.00948	0.00557		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Chlordane	<0.190	ug/L	0.190	0.173		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Toxaphene	<0.190	ug/L	0.190	0.160		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Aroclor-1016	<0.191	ug/L	0.191	0.191		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Aroclor-1221	<0.190	ug/L	0.190	0.136		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Aroclor-1232	<0.190	ug/L	0.190	0.136		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Aroclor-1242	<0.190	ug/L	0.190	0.182		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Aroclor-1248	<0.190	ug/L	0.190	0.136		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Aroclor-1254	<0.190	ug/L	0.190	0.136		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Aroclor-1260	<0.190	ug/L	0.190	0.153		.948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
PCB, Total	<0.191	ug/L	0.191	0.191			11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	

Semivolatiles (E625.1 Base/Neutrals and Acids)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Pyridine	<5.10	ug/L	5.10	5.03		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
n-Nitrosodimethylamine	<6.61	ug/L	6.61	6.27		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
n-Nitrosodiethylamine	<0.944	ug/L	0.944	0.266		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Phenol	<1.42	ug/L	1.42	1.42		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
2-Chlorophenol	<0.944	ug/L	0.944	0.347		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	

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Analytical Results

Client ID: COA WALNUT
Lab ID: Q2348042001
Sample ID: 49943305- A-E SAREFF
Project ID: Walnut Creek New Contract Sub Tests

Date Collected: 11/08/2023 18:30
Date Received: 11/09/2023 09:56
Location:
Facility:
Sample Point:

Matrix: Aqueous
Sample Type: SAMPLE

Semivolatiles (E625.1 Base/Neutrals and Acids)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Bis(2-Chloroethyl)ether	<0.944	ug/L	0.944	0.410		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
1,3-Dichlorobenzene	<0.944	ug/L	0.944	0.648		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
1,4-Dichlorobenzene	<0.944	ug/L	0.944	0.598		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
1,2-Dichlorobenzene	<0.944	ug/L	0.944	0.565		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Bis(2-Chloroisopropyl)ether	<0.944	ug/L	0.944	0.423		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Hexachloroethane	<0.944	ug/L	0.944	0.745		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
n-Nitrosodi-n-propylamine	<0.944	ug/L	0.944	0.734		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Cresols	<5.85	ug/L	5.85	5.81		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Nitrobenzene	<0.944	ug/L	0.944	0.368		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Isophorone	<0.944	ug/L	0.944	0.442		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
2-Nitrophenol	<0.944	ug/L	0.944	0.467		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
2,4-Dimethylphenol	<2.27	ug/L	2.27	2.19		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Bis(2-Chloroethoxy)methane	<0.944	ug/L	0.944	0.295		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
2,4-Dichlorophenol	<0.944	ug/L	0.944	0.535		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
1,2,4-Trichlorobenzene	<0.944	ug/L	0.944	0.680		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Naphthalene	<0.944	ug/L	0.944	0.365		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Hexachlorobutadiene	<0.944	ug/L	0.944	0.584		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
n-Nitrosodi-n-butylamine	<0.944	ug/L	0.944	0.381		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
4-Chloro-3-methylphenol	<2.27	ug/L	2.27	2.22		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
1,2,4,5-Tetrachlorobenzene	<0.944	ug/L	0.944	0.488		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Hexachlorocyclopentadiene	<8.50	ug/L	8.50	8.21		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
2,4,6-Trichlorophenol	<0.944	ug/L	0.944	0.665		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
2,4,5-Trichlorophenol	<0.944	ug/L	0.944	0.693		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Acenaphthylene	<0.944	ug/L	0.944	0.191		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Dimethyl phthalate	<4.53	ug/L	4.53	0.469		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
2,6-Dinitrotoluene	<0.944	ug/L	0.944	0.637		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Acenaphthene	<0.944	ug/L	0.944	0.131		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
2,4-Dinitrophenol	<8.50	ug/L	8.50	7.62		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
4-Nitrophenol	<0.944	ug/L	0.944	0.880		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Pentachlorobenzene	<0.944	ug/L	0.944	0.397		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
2,4-Dinitrotoluene	<3.31	ug/L	3.31	3.16		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Fluorene	<0.944	ug/L	0.944	0.483		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Diethyl phthalate	<5.38	ug/L	5.38	0.681		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
4-Chlorophenyl phenyl ether	<0.944	ug/L	0.944	0.265		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	11/08/2023 18:30	**Matrix:**	Aqueous
Lab ID:	Q2348042001	**Date Received:**	11/09/2023 09:56	**Sample Type:**	SAMPLE
Sample ID:	49943305- A-E SAREFF	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Semivolatiles (E625.1 Base/Neutrals and Acids)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
4,6-Dinitro-2-methylphenol	<7.55	ug/L	7.55	7.44		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
n-Nitrosodiphenylamine	<0.944	ug/L	0.944	0.403		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
1,2 Diphenylhydrazine	<0.944	ug/L	0.944	0.656		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Hexachlorobenzene	<0.944	ug/L	0.944	0.177		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
4-Bromophenyl phenyl ether	<0.944	ug/L	0.944	0.294		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Pentachlorophenol	<0.944	ug/L	0.944	0.122		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Phenanthrene	<0.944	ug/L	0.944	0.589		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Anthracene	<0.944	ug/L	0.944	0.508		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Di-n-butyl phthalate	<7.08	ug/L	7.08	0.788		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Fluoranthene	<0.944	ug/L	0.944	0.729		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Benzidine	<18.9	ug/L	18.9	18.8		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Pyrene	<0.944	ug/L	0.944	0.554		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Butyl benzyl phthalate	<7.08	ug/L	7.08	0.657		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Benzo(a)anthracene	<0.944	ug/L	0.944	0.592		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Chrysene	<0.944	ug/L	0.944	0.543		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
3,3'-Dichlorobenzidine	<4.72	ug/L	4.72	4.52		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Bis(2-Ethylhexyl)phthalate	<7.08	ug/L	7.08	1.54		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Di-n-octyl phthalate	<0.944	ug/L	0.944	0.738		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Benzo(k)fluoranthene	<0.944	ug/L	0.944	0.720		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Benzo(b)fluoranthene	<0.944	ug/L	0.944	0.488		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Benzo(a)pyrene	<0.944	ug/L	0.944	0.451		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Indeno(1,2,3-cd)pyrene	<0.944	ug/L	0.944	0.749		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Dibenz(a,h)anthracene	<0.944	ug/L	0.944	0.823		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
Benzo(g,h,i)perylene	<0.944	ug/L	0.944	0.708		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
3&4 Methylphenol (m&p-Cresol)	<5.85	ug/L	5.85	5.81		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	
2-Chloronaphthalene	<0.944	ug/L	0.944	0.314		.944	11/22/2023 00:00	SUB	11/22/2023 00:00	SUB	

Subcontracted (ASTM D7065-06 Nonylphenol)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Nonylphenol	<33.4	ug/L	33.4	5.56		1.11	11/21/2023 00:00	SUB	11/21/2023 00:00	SUB	

Subcontracted (E604.1, Hexachlorophene)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Hexachlorophene	<0.0237		0.0237	0.00844		.948	11/15/2023 00:00	SUB	11/15/2023 00:00	SUB	

LCRA Environmental Laboratory Services
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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	11/08/2023 18:30	**Matrix:**	Aqueous
Lab ID:	Q2348042001	**Date Received:**	11/09/2023 09:56	**Sample Type:**	SAMPLE
Sample ID:	49943305- A-E SAREFF	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E617)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Dicofol	<0.0474	ug/L	0.0474	0.0334		.00948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Mirex	<0.00948	ug/L	0.00948	0.00858		.00948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Methoxychlor	<0.00948	ug/L	0.00948	0.0085		.00948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	

Subcontracted (E632, Carbaryl, Diuron)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Carbaryl (Sevin)	<2.37	ug/L	2.37	0.0627		.000948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	
Diuron	<0.0427	ug/L	0.0427	0.0421		.000948	11/16/2023 00:00	SUB	11/16/2023 00:00	SUB	

Environmental Laboratory Services
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SAMPLE CROSS REFERENCE

Project
1080433

45497572-hbn 147594

LCRA Environmental Laboratory
Ariana Dean
3505 Montopolis Dr.
Austin, TX 78744

Sample	Sample ID	Taken	Time	Received
2247538	*Q2348042001*	11/08/2023	18:30:00	11/10/2023

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client Supplied Amber Glass
Bottle 11 Client Supplied Amber Glass
Bottle 12 Client Supplied Amber Glass
Bottle 13 Client Supplied Amber Glass
Bottle 14 Client Supplied Amber Glass
Bottle 15 H2SO4 to pH <2 GlQt w/Tef-lined lid
Bottle 16 Prepared Bottle: 2 mL Autosampler Vial (Batch 1090552) Volume: 5.00000 mL <== Derived from 02 (1055 ml)
Bottle 17 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1090770) Volume: 1.00000 mL <== Derived from 04 (1055 ml)
Bottle 18 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1090773) Volume: 1.00000 mL <== Derived from 04 (1055 ml)
Bottle 19 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1090775) Volume: 1.00000 mL <== Derived from 04 (1055 ml)
Bottle 20 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1090776) Volume: 1.00000 mL <== Derived from 04 (1055 ml)
Bottle 21 Prepared Bottle: 2 mL Autosampler Vial (Batch 1090796) Volume: 1.00000 mL <== Derived from 01 (1059 ml)
Bottle 22 Prepared Bottle: 2 mL Autosampler Vial (Batch 1091239) Volume: 1.00000 mL <== Derived from 15 (899 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 608.3	18	1090773	11/14/2023	1091592	11/16/2023
EPA 608.3	20	1090776	11/14/2023	1091594	11/16/2023
EPA 632	17	1090770	11/14/2023	1091542	11/16/2023
EPA 604.1	16	1090552	11/13/2023	1091812	11/15/2023
EPA 1657	19	1090775	11/14/2023	1091686	11/17/2023
EPA 617	18	1090773	11/14/2023	1091589	11/16/2023
EPA 625.1	21	1090796	11/14/2023	1092360	11/22/2023
ASTM D7065-11	22	1091239	11/16/2023	1092185	11/21/2023

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Project
1080433

Printed: 11/27/2023

45497572-hbn 147594

RESULTS

Sample Results

2247538 Q2348042001 — Received: 11/10/2023

Non-Potable Water — Collected by: Client — LCRA Environmental L — PO: 146473 (Began 9/26/2023)
Taken: 11/08/2023 18:30:00

ASTM D7065-11 — Prepared: 1091239 11/16/2023 13:10:00 — Analyzed 1092185 11/21/2023 15:47:00 — DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Nonylphenol	ND	ug/L	33.4	S	25154-52-3	22

EPA 1657 — Prepared: 1090775 11/14/2023 13:35:00 — Analyzed 1091686 11/17/2023 18:53:00 — BLF

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Azinphos-methyl (Guthion)	ND	ug/L	0.0474		86-50-0	19
z	Chlorpyrifos	ND	ug/L	0.0474		2921-88-2	19
z	Demeton	ND	ug/L	0.0474		8065-48-3	19
z	Diazinon	ND	ug/L	0.0474		333-41-5	19
z	Malathion	ND	ug/L	0.0474		121-75-5	19
z	Parathion, ethyl	ND	ug/L	0.0474		56-38-2	19
z	Parathion, methyl	ND	ug/L	0.0474		298-00-0	19

EPA 604.1 — Prepared: 1090552 11/13/2023 14:30:00 — Analyzed 1091812 11/15/2023 03:17:00 — BRU

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Hexachlorophene	ND	ug/L	0.0237		70-30-4	16

EPA 608.3 — Prepared: 1090773 11/14/2023 13:35:00 — Analyzed 1091592 11/16/2023 20:33:00 — BLF

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	4,4-DDD	ND	ug/L	0.00948		72-54-8	18
NELAC	4,4-DDE	ND	ug/L	0.00948		72-55-9	18
NELAC	4,4-DDT	ND	ug/L	0.00948		50-29-3	18
NELAC	Aldrin	ND	ug/L	0.00948		309-00-2	18
NELAC	Alpha-BHC(hexachlorocyclohexane)	ND	ug/L	0.00948		319-84-6	18
NELAC	Beta-BHC(hexachlorocyclohexane)	0.0285	ug/L	0.00948		319-85-7	18
NELAC	Chlordane	ND	ug/L	0.190		57-74-9	18
NELAC	Delta-BHC(hexachlorocyclohexane)	ND	ug/L	0.00948		319-86-8	18

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Project 1080433

LCRA Environmental Laboratory
Ariana Dean
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Printed: 11/27/2023

2247538 Q2348042001 Received: 11/10/2023

Non-Potable Water Collected by: Client LCRA Environmental L PO: 146473 (Began 9/26/2023)
Taken: 11/08/2023 18:30:00

EPA 608.3 Prepared: 1090773 11/14/2023 13:35:00 Analyzed 1091592 11/16/2023 20:33:00 BLF

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Dieldrin	ND	ug/L	0.00948		60-57-1	18
NELAC	Endosulfan I (alpha)	ND	ug/L	0.00948		959-98-8	18
NELAC	Endosulfan II (beta)	ND	ug/L	0.00948		33213-65-9	18
NELAC	Endosulfan sulfate	ND	ug/L	0.00948		1031-07-8	18
NELAC	Endrin	ND	ug/L	0.00948		72-20-8	18
NELAC	Endrin aldehyde	ND	ug/L	0.00948		7421-93-4	18
NELAC	Gamma-BHC(Lindane)	ND	ug/L	0.00948		58-89-9	18
NELAC	Heptachlor	ND	ug/L	0.00948		76-44-8	18
NELAC	Heptachlor epoxide	ND	ug/L	0.00948		1024-57-3	18
NELAC	Toxaphene	ND	ug/L	0.190		8001-35-2	18

EPA 608.3 Prepared: 1090776 11/14/2023 13:35:00 Analyzed 1091594 11/16/2023 20:33:00 BLF

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	PCB-1016	ND	ug/L	0.191		12674-11-2	20
NELAC	PCB-1221	ND	ug/L	0.190		11104-28-2	20
NELAC	PCB-1232	ND	ug/L	0.190		11141-16-5	20
NELAC	PCB-1242	ND	ug/L	0.190		53469-21-9	20
NELAC	PCB-1248	ND	ug/L	0.190		12672-29-6	20
NELAC	PCB-1254	ND	ug/L	0.190		11097-69-1	20
NELAC	PCB-1260	ND	ug/L	0.190		11096-82-5	20
NELAC	PCB-1262	ND	ug/L	0.190		37324-23-5	20
NELAC	PCB-1268	ND	ug/L	0.190		11100-14-4	20

EPA 617 Prepared: 1090773 11/14/2023 13:35:00 Analyzed 1091589 11/16/2023 20:33:00 BLF

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Kelthane (Dicofol)	ND	ug/L	0.0474	X	115-32-2	18
z	Methoxychlor	ND	ug/L	0.00948		72-43-5	18
z	Mirex	ND	ug/L	0.00948		2385-85-5	18

EPA 625.1 Prepared: 1090796 11/14/2023 14:25:15 Analyzed 1092360 11/22/2023 19:52:00 DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,2,4,5-Tetrachlorobenzene	ND	ug/L	0.944	X	95-94-3	21
NELAC	1,2,4-Trichlorobenzene	ND	ug/L	0.944	X	120-82-1	21

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2247538 Q2348042001 Received: 11/10/2023

Non-Potable Water Collected by: Client LCRA Environmental L PO: 146473 (Began 9/26/2023)
Taken: 11/08/2023 18:30:00

EPA 625.1 Prepared: 1090796 11/14/2023 14:25:15 Analyzed 1092360 11/22/2023 19:52:00 DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,2-Dichlorobenzene	ND	ug/L	0.944	X	95-50-1	21
NELAC	1,2-DPH (as azobenzene)	ND	ug/L	0.944		122-66-7	21
NELAC	1,3-Dichlorobenzene	ND	ug/L	0.944	X	541-73-1	21
NELAC	1,4-Dichlorobenzene	ND	ug/L	0.944	X	106-46-7	21
NELAC	2,4,5-Trichlorophenol	ND	ug/L	0.944		95-95-4	21
NELAC	2,4,6-Trichlorophenol	ND	ug/L	0.944		88-06-2	21
NELAC	2,4-Dichlorophenol	ND	ug/L	0.944		120-83-2	21
NELAC	2,4-Dimethylphenol	ND	ug/L	2.27		105-67-9	21
NELAC	2,4-Dinitrophenol	ND	ug/L	8.50		51-28-5	21
NELAC	2,4-Dinitrotoluene	ND	ug/L	3.31	X	121-14-2	21
NELAC	2,6-Dinitrotoluene	ND	ug/L	0.944	X	606-20-2	21
NELAC	2-Chloronaphthalene	ND	ug/L	0.944	X	91-58-7	21
NELAC	2-Chlorophenol	ND	ug/L	0.944		95-57-8	21
NELAC	2-Methylphenol (o-Cresol)	ND	ug/L	4.91	X	95-48-7	21
NELAC	2-Nitrophenol	ND	ug/L	0.944		88-75-5	21
NELAC	3&4-Methylphenol (m&p-Cresol)	ND	ug/L	5.85	X	MEPH34	21
NELAC	3,3'-Dichlorobenzidine	ND	ug/L	4.72		91-94-1	21
NELAC	4,6-Dinitro-2-methylphenol	ND	ug/L	7.55		534-52-1	21
NELAC	4-Bromophenyl phenyl ether	ND	ug/L	0.944		101-55-3	21
NELAC	4-Chlorophenyl phenyl ethe	ND	ug/L	0.944		7005-72-3	21
NELAC	4-Nitrophenol	ND	ug/L	0.944		100-02-7	21
NELAC	Acenaphthene	ND	ug/L	0.944	X	83-32-9	21
NELAC	Acenaphthylene	ND	ug/L	0.944		208-96-8	21
NELAC	Anthracene	ND	ug/L	0.944		120-12-7	21
NELAC	Benzidine	ND	ug/L	18.9		92-87-5	21
NELAC	Benzo(a)anthracene	ND	ug/L	0.944		56-55-3	21
NELAC	Benzo(a)pyrene	ND	ug/L	0.944		50-32-8	21
NELAC	Benzo(b)fluoranthene	ND	ug/L	0.944		205-99-2	21
NELAC	Benzo(ghi)perylene	ND	ug/L	0.944		191-24-2	21
NELAC	Benzo(k)fluoranthene	ND	ug/L	0.944	X	207-08-9	21
NELAC	Benzyl Butyl phthalate	ND	ug/L	7.08		85-68-7	21
NELAC	Bis(2-chloroethoxy)methane	ND	ug/L	0.944		111-91-1	21
NELAC	Bis(2-chloroethyl)ether	ND	ug/L	0.944		111-44-4	21
NELAC	Bis(2-chloroisopropyl)ether	ND	ug/L	0.944	X	108-60-1	21
NELAC	Bis(2-ethylhexyl)phthalate	ND	ug/L	7.08		117-81-7	21
NELAC	Chrysene (Benzo(a)phenanthrene)	ND	ug/L	0.944	X	218-01-9	21

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LCRA-C

Project 1080433

LCRA Environmental Laboratory
Ariana Dean
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Austin, TX 78744

Printed: 11/27/2023

2247538 Q2348042001 Received: 11/10/2023

Non-Potable Water Collected by: Client LCRA Environmental L PO: 146473 (Began 9/26/2023)
Taken: 11/08/2023 18:30:00

EPA 625.1 Prepared: 1090796 11/14/2023 14:25:15 Analyzed 1092360 11/22/2023 19:52:00 DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Dibenz(a,h)anthracene	ND	ug/L	0.944		53-70-3	21
NELAC	Diethyl phthalate	ND	ug/L	5.38		84-66-2	21
NELAC	Dimethyl phthalate	ND	ug/L	4.53	X	131-11-3	21
NELAC	Di-n-butylphthalate	ND	ug/L	7.08		84-74-2	21
NELAC	Di-n-octylphthalate	ND	ug/L	0.944	X	117-84-0	21
NELAC	Fluoranthene(Benzo(j,k)fluorene)	ND	ug/L	0.944	X	206-44-0	21
NELAC	Fluorene	ND	ug/L	0.944		86-73-7	21
NELAC	Hexachlorobenzene	ND	ug/L	0.944		118-74-1	21
NELAC	Hexachlorobutadiene	ND	ug/L	0.944		87-68-3	21
NELAC	Hexachlorocyclopentadiene	ND	ug/L	8.50	S	77-47-4	21
NELAC	Hexachloroethane	ND	ug/L	0.944		67-72-1	21
NELAC	Indeno(1,2,3-cd)pyrene	ND	ug/L	0.944		193-39-5	21
NELAC	Isophorone	ND	ug/L	0.944		78-59-1	21
NELAC	Naphthalene	ND	ug/L	0.944		91-20-3	21
NELAC	Nitrobenzene	ND	ug/L	0.944		98-95-3	21
NELAC	n-Nitrosodiethylamine	ND	ug/L	0.944	S	55-18-5	21
NELAC	N-Nitrosodimethylamine	ND	ug/L	6.61	X	62-75-9	21
NELAC	n-Nitroso-di-n-butylamine	ND	ug/L	0.944		924-16-3	21
NELAC	N-Nitrosodi-n-propylamine	ND	ug/L	0.944		621-64-7	21
NELAC	N-Nitrosodiphenylamine (as DPA	ND	ug/L	0.944		86-30-6	21
NELAC	p-Chloro-m-Cresol (4-Chloro-3-me	ND	ug/L	2.27		59-50-7	21
NELAC	Pentachlorobenzene	ND	ug/L	0.944		608-93-5	21
NELAC	Pentachlorophenol	ND	ug/L	0.944		87-86-5	21
NELAC	Phenanthrene	ND	ug/L	0.944		85-01-8	21
NELAC	Phenol	ND	ug/L	1.42		108-95-2	21
NELAC	Pyrene	ND	ug/L	0.944		129-00-0	21
NELAC	Pyridine	ND	ug/L	5.10	X	110-86-1	21

EPA 625.1 Prepared: 1090796 11/14/2023 14:25:15 Calculated 1092360 11/27/2023 14:31:40 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cresols Total	ND	ug/L	5.85	E	1319-77-3, etc.	21

EPA 632 Prepared: 1090770 11/14/2023 13:35:30 Analyzed 1091542 11/16/2023 18:49:00 BRU

Parameter	Results	Units	RL	Flags	CAS	Bottle

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Printed: 11/27/2023

2247538 Q2348042001 Received: 11/10/2023

Non-Potable Water Collected by: Client LCRA Environmental L PO: 146473 (Began 9/26/2023)
Taken: 11/08/2023 18:30:00

EPA 632	Prepared:	1090770	11/14/2023	13:35:30	Analyzed	1091542	11/16/2023	18:49:00	BRU	
	Parameter	Results	Units	RL	Flags	CAS	Bottle			
NELAC	Carbaryl (Sevin)	ND	ug/L	2.37		63-25-2	17			
z	Diuron	ND	ug/L	0.0427		330-54-1	17			

Sample Preparation

2247538 Q2348042001 Received: 11/10/2023

146473 (Began 9/26/2023)

11/08/2023

	Prepared:		11/13/2023	14:02:30	Calculated		11/13/2023	14:02:30	CAL
z	Environmental Fee (per Project)	Verified							
	Prepared:	1090316	11/10/2023	15:10:00	Analyzed	1090316	11/10/2023	15:10:00	CCP
z	Bottle Poured Up in Lab	15							
ASTM D7065-11	Prepared:	1091239	11/16/2023	13:10:00	Analyzed	1092185	11/21/2023	15:47:00	DWL
z	Nonyl Phenol Expansion	Entered							22
Cooler Return	Prepared:		11/13/2023	16:00:00	Analyzed		11/13/2023	16:00:00	DRS
z	Return Cooler/No bottles Require	returned							
EPA 1657	Prepared:	1090775	11/14/2023	13:35:00	Analyzed	1091686	11/17/2023	18:53:00	BLF
z	Organophos. Pesticides/1657	Entered							19

Report Page 6 of 9

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914

SPL The Science of Sure

1

LCRA-C

LCRA Environmental Laboratory
Ariana Dean
3505 Montopolis Dr.
Austin, TX 78744

Project
1080433

Printed: 11/27/2023

2247538 Q2348042001

Received: 11/10/2023

146473 (Began 9/26/2023)

11/08/2023

EPA 604.1	Prepared:	1090552	11/13/2023	14:30:00	Analyzed	1090552	11/13/2023	14:30:00	CRS	
Hexachlorophene Extraction	5/1055	ml								02
EPA 604.1	Prepared:	1090552	11/13/2023	14:30:00	Analyzed	1091812	11/15/2023	03:17:00	BRU	
Hexachlorophene Expansion	Entered						70-30-4			16
EPA 608.3	Prepared:	1090773	11/14/2023	13:35:00	Analyzed	1090773	11/14/2023	13:35:00	MCC	
Liquid-Liquid Extr. W/Hex Ex	1/1055	ml								04
EPA 608.3	Prepared:	1090773	11/14/2023	13:35:00	Analyzed	1091592	11/16/2023	20:33:00	BLF	
NELAC TTO Pesticides	Entered									18
EPA 608.3	Prepared:	1090775	11/14/2023	13:35:00	Analyzed	1090775	11/14/2023	13:35:00	MCC	
Solvent Extraction	1/1055	ml								04
EPA 608.3	Prepared:	1090776	11/14/2023	13:35:00	Analyzed	1090776	11/14/2023	13:35:00	MCC	
PCB Liq-Liq Extr. W/Hex Exch.	1/1055	ml								04
EPA 608.3	Prepared:	1090776	11/14/2023	13:35:00	Analyzed	1091594	11/16/2023	20:33:00	BLF	
NELAC Polychlorinated Biphenyls	Entered									20
EPA 617	Prepared:	1090773	11/14/2023	13:35:00	Analyzed	1091589	11/16/2023	20:33:00	BLF	
z For use with !PPR only	Entered									18

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LCRA-C

Project 1080433

LCRA Environmental Laboratory
Ariana Dean
3505 Montopolis Dr.
Austin, TX 78744

Printed: 11/27/2023

2247538 Q2348042001 Received: 11/10/2023

146473 (Began 9/26/2023)

11/08/2023

EPA 625.1	Prepared:	1090796	11/14/2023	14:25:15	Analyzed	1090796	11/14/2023	14:25:15	MCC	
Liquid-Liquid Extraction, BNA	1/1059	ml								01
EPA 625.1	Prepared:	1090796	11/14/2023	14:25:15	Analyzed	1092360	11/22/2023	19:52:00	DWL	
z Table 2 & 7 Semivolatiles	Entered									21
EPA 625.1	Prepared:	1091239	11/16/2023	13:10:00	Analyzed	1091239	11/16/2023	13:10:00	MCC	
Nonylphenol Liq-Liq Extract	1/899	ml								15
EPA 632	Prepared:	1090770	11/14/2023	13:35:30	Analyzed	1090770	11/14/2023	13:35:30	MCC	
Liquid-Liquid Extr. W/Hex Ex	1/1055	ml								04
EPA 632	Prepared:	1090770	11/14/2023	13:35:30	Analyzed	1091542	11/16/2023	18:49:00	BRU	
NELAC Carbaryl/Diuron	Entered									17

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Project
1080433

LCRA-C

LCRA Environmental Laboratory
Ariana Dean
3505 Montopolis Dr.
Austin, TX 78744

Printed: 11/27/2023

Qualifiers:

E - Estimated Value X - Standard reads higher than desired.
S - Standard reads lower than desired

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

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

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

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

Trey Peery, MA, Project Manager

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Laboratory Analysis Report

Total Number of Pages: 8

Job ID : 23111109

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

Client Project Name :
Q2348042001

Report To :	Client Name:	LCRA Environmental Laboratory Services	P.O.#.:	
	Attn:	Ariana Dean	Sample Collected By:	
	Client Address:	3505 Montopolis	Date Collected:	11/08/23
	City, State, Zip:	Austin, Texas, 78744-1417		

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

Client Sample ID	Matrix	A&B Sample ID
Q2348042001	Water	23111109.01

Released By: Senthilkumar Sevukan
Title: Vice President Operations
Date: 11/17/2023

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.

ab-q210-0321

Date Received : 11/10/2023 10:18

Report Number: RPT231117009

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 23111109 Date: 11/17/2023

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
J	Estimation. Below calibration range but above MDL	RptLimit	Reporting Limit
LCS	Laboratory Check Standard	SDL	Sample Detection Limit
LCSD	Laboratory Check Standard Duplicate	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).

ab-q211-0321

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Phone (512)730-6022
Fax (512)730-6021

LABORATORY TEST RESULTS

Job ID : 23111109

Date 11/17/2023

Client Name: LCRA Environmental Laboratory Services Attn: Ariana Dean
Project Name: Q2348042001

Client Sample ID: Q2348042001
Date Collected: 11/08/23
Time Collected: 18:30
Other Information:

Job Sample ID: 23111109.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 615	Chlorinated Herbicides									
	2,4,5-TP	<0.09	ug/L	1.00	0.09	0.19		U	11/15/23 01:33	KMN
	2,4-D	<0.07	ug/L	1.00	0.07	0.19		U	11/15/23 01:33	KMN
	DCPAA(surr)	100	%	1.00		38-120			11/15/23 01:33	KMN

ab-q212-0321

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Fax (512)730-6021

QUALITY CONTROL CERTIFICATE

Job ID : 23111109 **Date :** 11/17/2023

Analysis : Chlorinated Herbicides **Method :** EPA 615 **Reporting Units :** ug/L

QC Batch ID : Qb23111566 **Created Date :** 11/14/23 **Created By :** KMedina

Samples in This QC Batch : 23111109.01

Extraction : PB23111412 **Prep Method :** EPA 615 **Prep Date :** 11/13/23 15:56 **Prep By :** Msoria

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
2,4,5-TP	93-72-1	< MDL	ug/L	1.00	0.1902	0.089		
2,4-D	94-75-7	< MDL	ug/L	1.00	0.188	0.072		
DCPAA(surr)	19719-28-9	110	%	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
2,4,5-TP	4	3.16	79.1	4	3.00	75.1	5.3	32	35-125	
2,4-D	4	2.55	63.9	4	2.99	74.8	15.7	29	29-124	

ab-q213-0321

Refer to the Definition page for terms.

Environmental Laboratory Services
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Austin, TX 78744
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Fax (512)730-6021

LCRA Chain of Custody

Document: 45497568 - HBN 147592

Results Requested By:

Report To	Subcontract To
LCRA Environmental Laboratory Services 3505 Montopolis Drive Austin, TX 78744 Phone (512)730-6022 Fax (512)730-6021 Email environmental.lab@lcra.org	SHANTALL CARPENTER A & B LABS 10100 E FREEWAY, STE 100 HOUSTON, TX 77029 Phone (713) 453-6060

Item	Lab ID	Collect Date/Time		Matrix	Preserved Containers: COOL 6C	Requested Analysis: E615 Herbicides	LAB USE ONLY
1	Q2348042001	11/08/2023 18:30		Aqueous	X	X	01 AB

Report	Electronic Data Deliverables	Comments
☐ Standard (Results Only) ☐ Standard with Batch QC ☐ CLP ☐ Other _____	☐ Stage 2A ☐ Stage 2B ☐ Stage 3 ☐ Other _____	THE SUBCONTRACTOR NOTED ON THIS COC IS THE ONLY LAB AUTHORIZED TO ANALYZE THE SUBMITTED SAMPLES. ANY DEVIATION FROM THIS PROTOCOL REQUIRES WRITTEN AUTHORIZATION FROM ELS MANAGEMENT.

Preservative

COOL 6C = Cool to <=6 degrees C

Transfers	Released By	Date/Time	Received By	Date/Time
1		11/9/23	FedEx	
2	FedEx	11/09/23 5:00	DG	11/10/23
3		10:18		10:18
4				
5				

Job ID:23111109
11/10/2023 LCRA Environmental Lab AMS

T=2.4°C
IR5
DG

Thursday, November 9, 2023 12:13:46 PM
Page 1 of 2

POWERED BY HORIZON v.13.1.0

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Environmental Laboratory Services
The Solution Lab

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LCRA Chain of Custody

Document: 45497568 - HBN 147592

Chain of Custody - Required Limits

Document: 45497568 - HBN 147592

	Method	Analyte	LOD	RL	MCL	LOQ Check Standard Required?
	E615 Herbicides	2,4,5-TP	.1 ug/L	.25 ug/L		No
	E615 Herbicides	2,4-D	.2 ug/L	.5 ug/L		No

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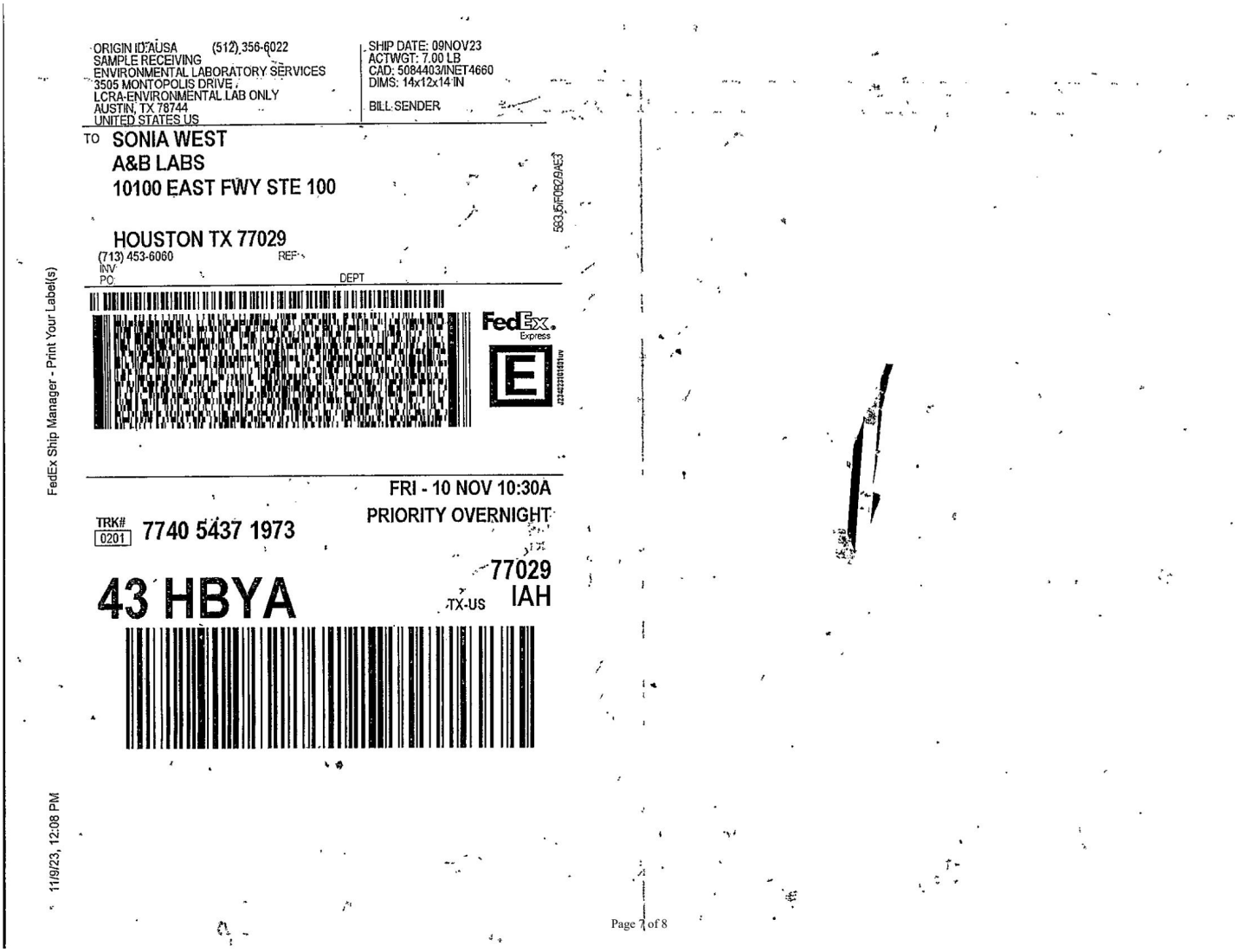

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Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Sample Condition Checklist

A&B JobID : **23111109**	Date Received : **11/10/2023**	Time Received : **10:18AM**
Client Name : **LCRA Environmental Laboratory Services**		
Temperature : **2.4°C**	Sample pH : **NA**	
Thermometer ID : **IR5**	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:

Brought by : FedEx

Received by : EValdez Check in by/date : EValdez / 11/10/2023

ab-s005-0321

Phone : 713-453-6060 www.ablabs.com

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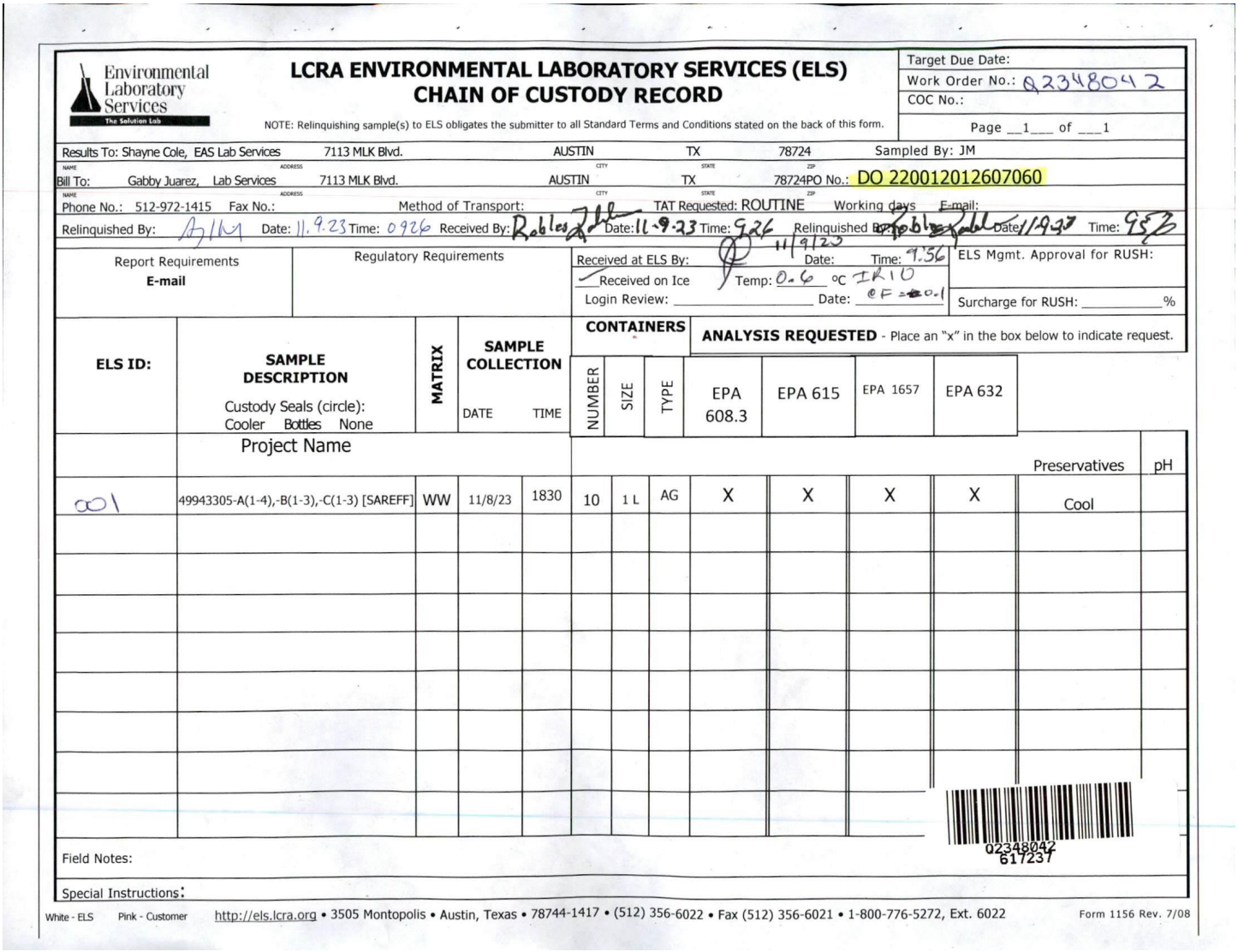

Environmental Laboratory Services — The Solution Lab

LCRA ENVIRONMENTAL LABORATORY SERVICES (ELS)
CHAIN OF CUSTODY RECORD

NOTE: Relinquishing sample(s) to ELS obligates the submitter to all Standard Terms and Conditions stated on the back of this form.

Target Due Date:
Work Order No.: 02348042
COC No.:
Page 1 of 1

Results To: Shayne Cole, EAS Lab Services 7113 MLK Blvd. AUSTIN TX 78724 Sampled By: JM

Bill To: Gabby Juarez, Lab Services 7113 MLK Blvd. AUSTIN TX 78724 PO No.: DO 220012012607060

Phone No.: 512-972-1415 Fax No.: Method of Transport: TAT Requested: ROUTINE Working days E-mail:

Relinquished By: AJM Date: 11.9.23 Time: 0926 Received By: Robles Date: 11-9-23 Time: 926 Relinquished By: Robles Date: 11/9/23 Time: 936

Received at ELS By: Date: Time: 9:36

Received on Ice Temp: 0.6 °C IR10 @F = 0.1

Login Review: Date:

Report Requirements: E-mail

Regulatory Requirements

ELS Mgmt. Approval for RUSH:

Surcharge for RUSH: %

ELS ID:	SAMPLE DESCRIPTION Custody Seals (circle): Cooler Bottles None	MATRIX	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	CONTAINERS NUMBER	CONTAINERS SIZE	CONTAINERS TYPE	ANALYSIS REQUESTED - EPA 608.3	EPA 615	EPA 1657	EPA 632	Preservatives	pH
	Project Name												
001	49943305-A(1-4),-B(1-3),-C(1-3) [SAREFF]	WW	11/8/23	1830	10	1 L	AG	X	X	X	X	Cool	

02348042
617237

Field Notes:

Special Instructions:

White - ELS Pink - Customer http://els.lcra.org • 3505 Montopolis • Austin, Texas • 78744-1417 • (512) 356-6022 • Fax (512) 356-6021 • 1-800-776-5272, Ext. 6022 Form 1156 Rev. 7/08

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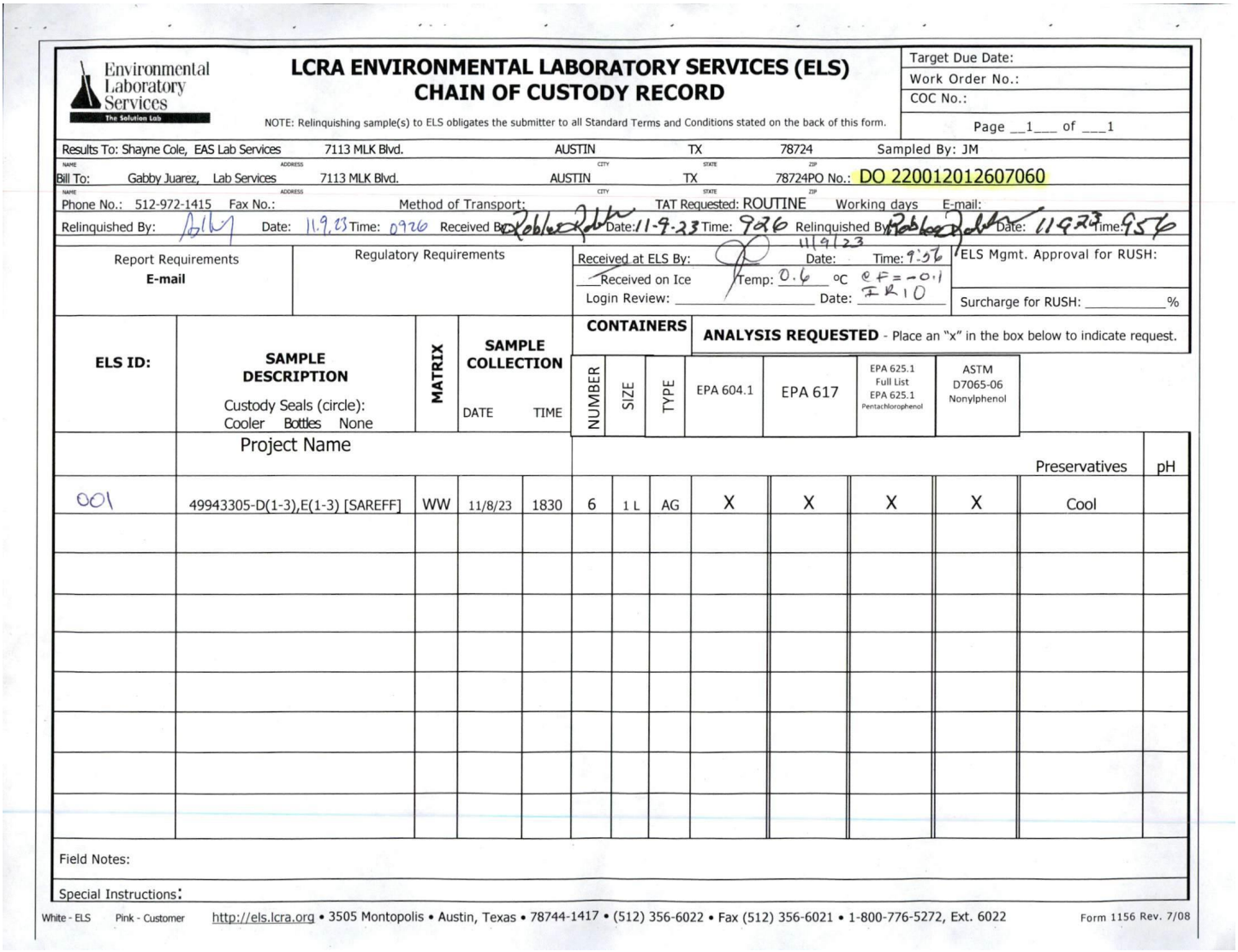

Environmental Laboratory Services — The Solution Lab

LCRA ENVIRONMENTAL LABORATORY SERVICES (ELS)
CHAIN OF CUSTODY RECORD

NOTE: Relinquishing sample(s) to ELS obligates the submitter to all Standard Terms and Conditions stated on the back of this form.

Target Due Date:
Work Order No.:
COC No.:
Page __1___ of ___1

Results To: Shayne Cole, EAS Lab Services — 7113 MLK Blvd. — AUSTIN — TX — 78724 — Sampled By: JM

Bill To: Gabby Juarez, Lab Services — 7113 MLK Blvd. — AUSTIN — TX — 78724 — PO No.: DO 220012012607060

Phone No.: 512-972-1415 — Fax No.: — Method of Transport: — TAT Requested: ROUTINE — Working days — E-mail:

Relinquished By: [signature] Date: 11.9.23 Time: 0926 — Received By: [signature] Date: 11-9-23 Time: 926 — Relinquished By: [signature] 11/9/23 Date: 11923 Time: 956

Report Requirements: E-mail

Regulatory Requirements:

Received at ELS By: [signature] Date: Time: 9:56

Received on Ice — Temp: 0.6 °C CF = -0.1 IR 10

Login Review: _____ Date: _____

ELS Mgmt. Approval for RUSH:

Surcharge for RUSH: _____ %

ELS ID:	SAMPLE DESCRIPTION Custody Seals (circle): Cooler Bottles None	MATRIX	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	CONTAINERS NUMBER	CONTAINERS SIZE	CONTAINERS TYPE	ANALYSIS REQUESTED: EPA 604.1	EPA 617	EPA 625.1 Full List EPA 625.1 Pentachlorophenol	ASTM D7065-06 Nonylphenol	Preservatives	pH
	Project Name												
001	49943305-D(1-3),E(1-3) [SAREFF]	WW	11/8/23	1830	6	1 L	AG	X	X	X	X	Cool	

Field Notes:

Special Instructions:

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Environmental Laboratory Services
The Solution Lab

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Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

LCRA Chain of Custody

Document: 45497572 - HBN 147594

Results Requested By:

Report To	Subcontract To
LCRA Environmental Laboratory Services 3505 Montopolis Drive Austin, TX 78744 Phone (512)730-6022 Fax (512)730-6021 Email environmental.lab@lcra.org	Skeeter Ludewig Ana-Lab Corporation 2600 Dudley Road Kilgore, TX 75662 Phone (903)984-0551

Item	Lab ID	Collect Date/Time		Matrix	Preserved Containers: COOL 6C						Requested Analysis: ASTM D7065-06 Nonylphenol	E1657, Pesticides	E604.1, Hexachlorophene	E608.3 Organochlorines, PCBs	E617 Dicofol, Methoxychlor, Mirex	E625.1 Base/Neutrals and Acids	E632, Carbaryl, Diuron							LAB USE ONLY
1	Q2348042001	11/08/2023 18:30		Aqueous	14						X	X	X	X	X	X	X							

Report	Electronic Data Deliverables	Comments
☐ Standard (Results Only) ☐ Standard with Batch QC ☐ CLP ☐ Other _____	☐ Stage 2A ☐ Stage 2B ☐ Stage 3 ☐ Other _____	THE SUBCONTRACTOR NOTED ON THIS COC IS THE ONLY LAB AUTHORIZED TO ANALYZE THE SUBMITTED SAMPLES. ANY DEVIATION FROM THIS PROTOCOL REQUIRES WRITTEN AUTHORIZATION FROM ELS MANAGEMENT.

Preservative

COOL 6C = Cool to <=6 degrees C

Transfers	Released By	Date/Time	Received By	Date/Time
1		11/9/23 1500		
2				
3				
4				
5				

Chain of Custody - Required Limits

Document: 45497572 - HBN 147594

Thursday, November 9, 2023 12:14:37 PM
Page 1 of 6

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LCRA Chain of Custody

Document: 45497572 - HBN 147594

	Method	Analyte	LOD	RL	MCL	LOQ Check Standard Required?
	ASTM D7065-06 Nonylphenol	Nonylphenol				No
	E1657, Pesticides	Azinphos methyl				No
	E1657, Pesticides	Chlorpyrifos				No
	E1657, Pesticides	Demeton				No
	E1657, Pesticides	Diazinon				No
	E1657, Pesticides	Ethyl Parathion				No
	E1657, Pesticides	Malathion				No
	E1657, Pesticides	Methyl Parathion				No
	E604.1, Hexachlorophene	Hexachlorophene				No
	E608.3 Organochlorines, PCBs	4,4'-DDD				No
	E608.3 Organochlorines, PCBs	4,4'-DDE				No
	E608.3 Organochlorines, PCBs	4,4'-DDT				No
	E608.3 Organochlorines, PCBs	Aldrin				No
	E608.3 Organochlorines, PCBs	Aroclor-1016				No
	E608.3 Organochlorines, PCBs	Aroclor-1221				No
	E608.3 Organochlorines, PCBs	Aroclor-1232				No
	E608.3 Organochlorines, PCBs	Aroclor-1242				No
	E608.3 Organochlorines, PCBs	Aroclor-1248				No
	E608.3 Organochlorines, PCBs	Aroclor-1254				No
	E608.3 Organochlorines, PCBs	Aroclor-1260				No
	E608.3 Organochlorines, PCBs	Chlordane				No
	E608.3 Organochlorines, PCBs	Dieldrin				No

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LCRA Chain of Custody

Document: 45497572 - HBN 147594

	E608.3 Organochlorines, PCBs	Endosulfan I				No
	E608.3 Organochlorines, PCBs	Endosulfan II				No
	E608.3 Organochlorines, PCBs	Endosulfan sulfate				No
	E608.3 Organochlorines, PCBs	Endrin				No
	E608.3 Organochlorines, PCBs	Endrin aldehyde				No
	E608.3 Organochlorines, PCBs	Heptachlor				No
	E608.3 Organochlorines, PCBs	Heptachlor epoxide				No
	E608.3 Organochlorines, PCBs	PCB, Total				No
	E608.3 Organochlorines, PCBs	Toxaphene				No
	E608.3 Organochlorines, PCBs	alpha-BHC				No
	E608.3 Organochlorines, PCBs	beta-BHC				No
	E608.3 Organochlorines, PCBs	delta-BHC				No
	E608.3 Organochlorines, PCBs	gamma-BHC (Lindane)				No
	E617	Dicofol				No
	E617	Methoxychlor				No
	E617	Mirex				No
	E625.1 Base/Neutrals and Acids	1,2 Diphenylhydrazine				No
	E625.1 Base/Neutrals and Acids	1,2,4,5-Tetrachlorobenzene				No
	E625.1 Base/Neutrals and Acids	1,2,4-Trichlorobenzene				No
	E625.1 Base/Neutrals and Acids	1,2-Dichlorobenzene				No
	E625.1 Base/Neutrals and Acids	1,3-Dichlorobenzene				No
	E625.1 Base/Neutrals and Acids	1,4-Dichlorobenzene				No
	E625.1 Base/Neutrals and Acids	2,4,5-Trichlorophenol				No
	E625.1 Base/Neutrals and Acids	2,4,6-Trichlorophenol				No

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Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

LCRA Chain of Custody

Document: 45497572 - HBN 147594

	E625.1 Base/Neutrals and Acids	2,4-Dichlorophenol				No
	E625.1 Base/Neutrals and Acids	2,4-Dimethylphenol				No
	E625.1 Base/Neutrals and Acids	2,4-Dinitrophenol				No
	E625.1 Base/Neutrals and Acids	2,4-Dinitrotoluene				No
	E625.1 Base/Neutrals and Acids	2,6-Dinitrotoluene				No
	E625.1 Base/Neutrals and Acids	2-Chloronaphthalene				No
	E625.1 Base/Neutrals and Acids	2-Chlorophenol				No
	E625.1 Base/Neutrals and Acids	2-Nitrophenol				No
	E625.1 Base/Neutrals and Acids	3&4 Methylphenol (m&p-Cresol)				No
	E625.1 Base/Neutrals and Acids	3,3'-Dichlorobenzidine				No
	E625.1 Base/Neutrals and Acids	4,6-Dinitro-2-methylphenol				No
	E625.1 Base/Neutrals and Acids	4-Bromophenyl phenyl ether				No
	E625.1 Base/Neutrals and Acids	4-Chloro-3-methylphenol				No
	E625.1 Base/Neutrals and Acids	4-Chlorophenyl phenyl ether				No
	E625.1 Base/Neutrals and Acids	4-Nitrophenol				No
	E625.1 Base/Neutrals and Acids	Acenaphthene				No
	E625.1 Base/Neutrals and Acids	Acenaphthylene				No
	E625.1 Base/Neutrals and Acids	Anthracene				No
	E625.1 Base/Neutrals and Acids	Benzidine				No
	E625.1 Base/Neutrals and Acids	Benzo(a)anthracene				No
	E625.1 Base/Neutrals and Acids	Benzo(a)pyrene				No
	E625.1 Base/Neutrals and Acids	Benzo(b)fluoranthene				No
	E625.1 Base/Neutrals and Acids	Benzo(g,h,i)perylene				No

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	E625.1 Base/Neutrals and Acids	Benzo(k)fluoranthene				No
	E625.1 Base/Neutrals and Acids	Bis(2-Chloroethoxy)methane				No
	E625.1 Base/Neutrals and Acids	Bis(2-Chloroethyl)ether				No
	E625.1 Base/Neutrals and Acids	Bis(2-Chloroisopropyl)ether				No
	E625.1 Base/Neutrals and Acids	Bis(2-Ethylhexyl)phthalate				No
	E625.1 Base/Neutrals and Acids	Butyl benzyl phthalate				No
	E625.1 Base/Neutrals and Acids	Chrysene				No
	E625.1 Base/Neutrals and Acids	Cresols				No
	E625.1 Base/Neutrals and Acids	Di-n-butyl phthalate				No
	E625.1 Base/Neutrals and Acids	Di-n-octyl phthalate				No
	E625.1 Base/Neutrals and Acids	Dibenz(a,h)anthracene				No
	E625.1 Base/Neutrals and Acids	Diethyl phthalate				No
	E625.1 Base/Neutrals and Acids	Dimethyl phthalate				No
	E625.1 Base/Neutrals and Acids	Fluoranthene				No
	E625.1 Base/Neutrals and Acids	Fluorene				No
	E625.1 Base/Neutrals and Acids	Hexachlorobenzene				No
	E625.1 Base/Neutrals and Acids	Hexachlorobutadiene				No
	E625.1 Base/Neutrals and Acids	Hexachlorocyclopentadiene				No
	E625.1 Base/Neutrals and Acids	Hexachloroethane				No
	E625.1 Base/Neutrals and Acids	Indeno(1,2,3-cd)pyrene				No
	E625.1 Base/Neutrals and Acids	Isophorone				No
	E625.1 Base/Neutrals and Acids	Naphthalene				No
	E625.1 Base/Neutrals and Acids	Nitrobenzene				No

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LCRA Chain of Custody

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	E625.1 Base/Neutrals and Acids	Pentachlorobenzene				No
	E625.1 Base/Neutrals and Acids	Pentachlorophenol				No
	E625.1 Base/Neutrals and Acids	Phenanthrene				No
	E625.1 Base/Neutrals and Acids	Phenol				No
	E625.1 Base/Neutrals and Acids	Pyrene				No
	E625.1 Base/Neutrals and Acids	Pyridine				No
	E625.1 Base/Neutrals and Acids	n-Nitrosodi-n-butylamine				No
	E625.1 Base/Neutrals and Acids	n-Nitrosodi-n-propylamine				No
	E625.1 Base/Neutrals and Acids	n-Nitrosodiethylamine				No
	E625.1 Base/Neutrals and Acids	n-Nitrosodimethylamine				No
	E625.1 Base/Neutrals and Acids	n-Nitrosodiphenylamine				No
	E632, Carbaryl, Diuron	Carbaryl (Sevin)				No
	E632, Carbaryl, Diuron	Diuron				No

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LCRA Chain of Custody

Document: 45497568 - HBN 147592

Results Requested By:

Report To	Subcontract To
LCRA Environmental Laboratory Services 3505 Montopolis Drive Austin, TX 78744 Phone (512)730-6022 Fax (512)730-6021 Email environmental.lab@lcra.org	SHANTALL CARPENTER A & B LABS 10100 E FREEWAY, STE 100 HOUSTON, TX 77029 Phone (713) 453-6060

Item	Lab ID	Collect Date/Time		Matrix	Preserved Containers: COOL 6C	Requested Analysis: E615 Herbicides	LAB USE ONLY
1	Q2348042001	11/08/2023 18:30		Aqueous	1	X	

Report	Electronic Data Deliverables	Comments
☐ Standard (Results Only) ☐ Standard with Batch QC ☐ CLP ☐ Other _____	☐ Stage 2A ☐ Stage 2B ☐ Stage 3 ☐ Other _____	THE SUBCONTRACTOR NOTED ON THIS COC IS THE ONLY LAB AUTHORIZED TO ANALYZE THE SUBMITTED SAMPLES. ANY DEVIATION FROM THIS PROTOCOL REQUIRES WRITTEN AUTHORIZATION FROM ELS MANAGEMENT.

Preservative

COOL 6C = Cool to <=6 degrees C

Transfers	Released By	Date/Time	Received By	Date/Time
1		11/9/23 1500		
2				
3				
4				
5				

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HORIZON

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LCRA Chain of Custody

Document: 45497568 - HBN 147592

Chain of Custody - Required Limits

Document: 45497568 - HBN 147592

	Method	Analyte	LOD	RL	MCL	LOQ Check Standard Required?
	E615 Herbicides	2,4,5-TP	.1 ug/L	.25 ug/L		No
	E615 Herbicides	2,4-D	.2 ug/L	.5 ug/L		No

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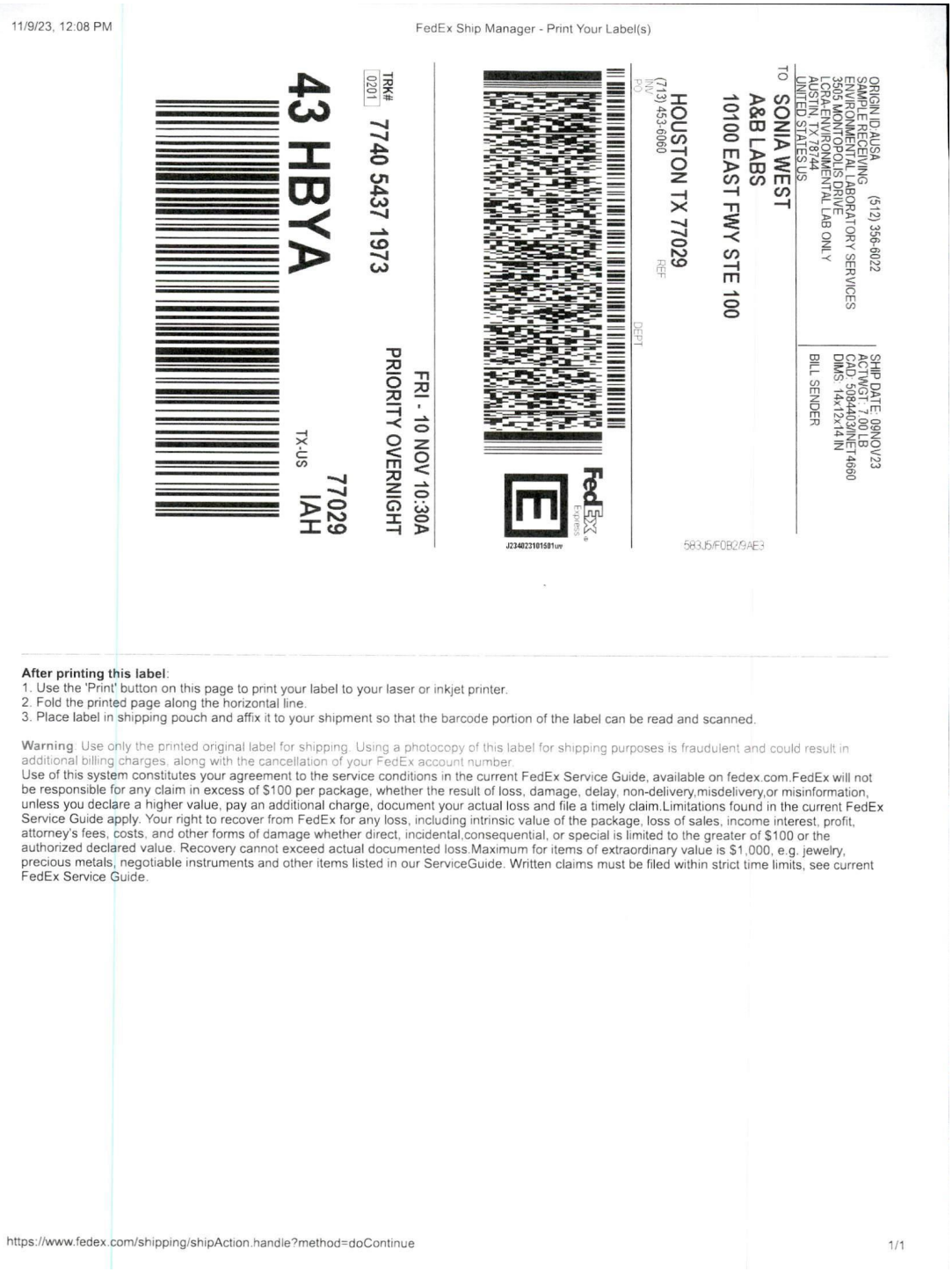

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December 22, 2023

GARY GILMER
COA WATER UTILITY DEPT WALNUT CREEK ENVTL LAB
7113 E MLK BLVD
AUSTIN, TX 78724
GARY.GILMER@AUSTINTEXAS.GOV

RE: Final Analytical Report Q2353659

Attn: GARY GILMER

Enclosed are the analytical results for sample(s) received by LCRA Environmental Laboratory Services. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report. This final report provides results related only to the sample(s) as received for the above referenced work order.

Thank you for selecting ELS for your analytical needs. If you have any questions regarding this report, please contact us at (512) 730-6022 or environmental.lab@lcra.org. We look forward to assisting you again.

Authorized for release by:

Ariana Dean
Account Manager
ariana.dean@lcra.org

Enclosures:
CC:BRAD GARDNER,SHAYNE COLE

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Workorder: Q2353659
Workorder Description: COAWALNUTSUB2_12152023
Client: COA WATER UTILITY DEPT WALNUT CREEK ENV LAB
Profile: Walnut Creek New Contract Sub Tests
Sampled By: OPS/JS

Report To: GARY GILMER
COA WATER UTILITY DEPT
WALNUT CREEK ENVTL LAB
7113 E MLK BLVD
AUSTIN, TX 78724

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
Q2353659001	50452009-B SAREFF-0030	AQ	E420.1 Phenolics, Spectrophoto	12/13/2023 00:30	12/15/2023 09:44	1
Q2353659002	50452010-B SAREFF-0630	AQ	E420.1 Phenolics, Spectrophoto	12/13/2023 06:30	12/15/2023 09:44	1
Q2353659003	50476702-B SAREFF-1230	AQ	E420.1 Phenolics, Spectrophoto	12/13/2023 12:30	12/15/2023 09:44	1
Q2353659004	50476703-C SAREFF-1830	AQ	E420.1 Phenolics, Spectrophoto	12/13/2023 18:30	12/15/2023 09:44	1

Report Definitions

MRL - Minimum Reporting Limit
LOD - Limit of Detection
ML - Maximum Limit - Client Specified
MCL - Maximum Contaminant Level
LOQ - Limit of Quantitation - Client Specified
DF - Dilution Factor
(S) - Surrogate Spike
MDL - Method Detection Limit
RPD - Relative Percent Difference

Qualifier Definitions

J - Analyte detected below quantitation limit
R - RPD outside duplicate precision limit
S - Spike recovery outside limit
B- Analyte detected in method blank
N - Not Accredited
M - Analyte Detected Above Maximum Contaminant Level
SL - Spike Recovery Low
SH - Spike Recovery High
H - Analyzed Past Hold Time
CR - Confirmed Result
CH - Result confirmed by historical data

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Workorder Summary

Sample Comments

Q2353659001 (50452009-B SAREFF-0030) - Paying sample

ANALYTICAL COMMENTS: Q2353659001 (E420.1 Phenolics, Spectrophoto) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2353659002 (50452010-B SAREFF-0630) - Paying sample

ANALYTICAL COMMENTS: Q2353659002 (E420.1 Phenolics, Spectrophoto) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2353659003 (50476702-B SAREFF-1230) - Paying sample

ANALYTICAL COMMENTS: Q2353659003 (E420.1 Phenolics, Spectrophoto) subcontracted with customer's approval. Data provided in full with the ELS final report.

Q2353659004 (50476703-C SAREFF-1830) - Paying sample

ANALYTICAL COMMENTS: Q2353659004 (E420.1 Phenolics, Spectrophoto) subcontracted with customer's approval. Data provided in full with the ELS final report.

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	12/13/2023 00:30	**Matrix:**	Aqueous
Lab ID:	Q2353659001	**Date Received:**	12/15/2023 09:44	**Sample Type:**	SAMPLE
Sample ID:	50452009-B SAREFF-0030	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E420.1 Phenolics, Spectrophoto)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenol	0.0120	mg/L	0.00500	0.00300		1	12/22/2023 00:00	SUB	12/22/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	12/13/2023 06:30	**Matrix:**	Aqueous
Lab ID:	Q2353659002	**Date Received:**	12/15/2023 09:44	**Sample Type:**	SAMPLE
Sample ID:	50452010-B SAREFF-0630	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E420.1 Phenolics, Spectrophoto)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenol	0.0130	mg/L	0.00500	0.00300		1	12/22/2023 00:00	SUB	12/22/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	12/13/2023 12:30	**Matrix:**	Aqueous
Lab ID:	Q2353659003	**Date Received:**	12/15/2023 09:44	**Sample Type:**	SAMPLE
Sample ID:	50476702-B SAREFF-1230	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E420.1 Phenolics, Spectrophoto)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenol	0.0110	mg/L	0.00500	0.00300		1	12/22/2023 00:00	SUB	12/22/2023 00:00	SUB	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	12/13/2023 18:30	**Matrix:**	Aqueous
Lab ID:	Q2353659004	**Date Received:**	12/15/2023 09:44	**Sample Type:**	SAMPLE
Sample ID:	50476703-C SAREFF-1830	**Location:**			
Project ID:	Walnut Creek New Contract Sub Tests	**Facility:**			
		Sample Point:			

Subcontracted (E420.1 Phenolics, Spectrophoto)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenol	0.00900	mg/L	0.00500	0.00300		1	12/22/2023 00:00	SUB	12/22/2023 00:00	SUB	

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
*Office: 903-984-0551 * Fax: 903-984-5914*

SPL The Science of Sure

Project
1084843

LCRA-C

LCRA Environmental Laboratory
Ariana Dean
3505 Montopolis Dr.
Austin, TX 78744

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45502902

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1084843_r03_03_ProjectResults	SPL Kilgore Project P:1084843 C:LCRA Project Results t:304 PO: PO 146473 (Began 9/26/2023)	4
1084843_r10_05_ProjectQC	SPL Kilgore Project P:1084843 C:LCRA Project Quality Control Groups	1
1084843_r99_09_CoC__1_of_1	SPL Kilgore CoC LCRA 1084843_1_of_1	3
	Total Pages:	9

Email: Kilgore.projectmanager@spl-inc.com

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
*Office: 903-984-0551 * Fax: 903-984-5914*

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SAMPLE CROSS REFERENCE

Project
1084843

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45502902

LCRA Environmental Laboratory
Ariana Dean
3505 Montopolis Dr.
Austin, TX 78744

Sample	Sample ID	Taken	Time	Received
2257568	*Q2353659001*	12/13/2023	00:30:00	12/19/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1096146) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1096146	12/20/2023	1096625	12/22/2023

Sample	Sample ID	Taken	Time	Received
2257569	*Q2353659002*	12/13/2023	06:30:00	12/19/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1096146) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1096146	12/20/2023	1096625	12/22/2023

Sample	Sample ID	Taken	Time	Received
2257570	*Q2353659003*	12/13/2023	12:30:00	12/19/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1096146) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1096146	12/20/2023	1096625	12/22/2023

Sample	Sample ID	Taken	Time	Received
2257571	*Q2353659004*	12/13/2023	18:30:00	12/19/2023

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1096146) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1096146	12/20/2023	1096625	12/22/2023

Email: Kilgore.projectmanager@spl-inc.com

Report Page 2 of 10

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24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914

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1
2

LCRA-C

LCRA Environmental Laboratory
Ariana Dean
3505 Montopolis Dr.
Austin, TX 78744

Project
1084843

Printed: 12/22/2023

45502902

RESULTS

Sample Results

2257568 Q2353659001 — Received: 12/19/2023

Non-Potable Water | Collected by: Client | LCRA Environmental L | PO: 146473 (Began 9/26/2023)
Taken: 12/13/2023 00:30:00

EPA 420.4 1 — Prepared: 1096146 12/20/2023 12:23:10 — Analyzed 1096625 12/22/2023 05:50:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Phenolics, Total Recoverable	0.012	mg/L	0.005			02

2257569 Q2353659002 — Received: 12/19/2023

Non-Potable Water | Collected by: Client | LCRA Environmental L | PO: 146473 (Began 9/26/2023)
Taken: 12/13/2023 06:30:00

EPA 420.4 1 — Prepared: 1096146 12/20/2023 12:23:10 — Analyzed 1096625 12/22/2023 05:50:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Phenolics, Total Recoverable	0.013	mg/L	0.005			02

2257570 Q2353659003 — Received: 12/19/2023

Non-Potable Water | Collected by: Client | LCRA Environmental L | PO: 146473 (Began 9/26/2023)
Taken: 12/13/2023 12:30:00

EPA 420.4 1 — Prepared: 1096146 12/20/2023 12:23:10 — Analyzed 1096625 12/22/2023 05:50:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Phenolics, Total Recoverable	0.011	mg/L	0.005			02

2257571 Q2353659004 — Received: 12/19/2023

Non-Potable Water | Collected by: Client | LCRA Environmental L | PO: 146473 (Began 9/26/2023)
Taken: 12/13/2023 18:30:00

Report Page 3 of 10

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914

SPL The Science of Sure

1
2

LCRA-C

Project 1084843

LCRA Environmental Laboratory
Ariana Dean
3505 Montopolis Dr.
Austin, TX 78744

Printed: 12/22/2023

2257571 Q2353659004 Received: 12/19/2023

Non-Potable Water Collected by: Client LCRA Environmental L PO: 146473 (Began 9/26/2023)
Taken: 12/13/2023 18:30:00

EPA 420.4 1 Prepared: 1096146 12/20/2023 12:23:10 Analyzed 1096625 12/22/2023 05:50:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Phenolics, Total Recoverable	0.009	mg/L	0.005			02

Sample Preparation

2257568 Q2353659001 Received: 12/19/2023

146473 (Began 9/26/2023)

12/13/2023

Prepared: 12/20/2023 12:03:54 Calculated 12/20/2023 12:03:54 CAL

z	Environmental Fee (per Project)	Verified							

EPA 420.4 1 Prepared: 1096146 12/20/2023 12:23:10 Analyzed 1096146 12/20/2023 12:23:10 SRJ

NELAC	Phenol Distillation	6/6	ml						01

2257569 Q2353659002 Received: 12/19/2023

146473 (Began 9/26/2023)

12/13/2023

EPA 420.4 1 Prepared: 1096146 12/20/2023 12:23:10 Analyzed 1096146 12/20/2023 12:23:10 SRJ

NELAC	Phenol Distillation	6/6	ml						01

2600 Dudley Rd. Kilgore, Texas 75662
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Page 3 of 4

LCRA-C

LCRA Environmental Laboratory
Ariana Dean
3505 Montopolis Dr.
Austin, TX 78744

Project
1084843

Printed: 12/22/2023

2257570 **Q2353659003** *Received:* 12/19/2023

146473 (Began 9/26/2023)

12/13/2023

EPA 420.4 1	*Prepared:*	*1096146*	*12/20/2023*	*12:23:10*	*Analyzed*	*1096146*	*12/20/2023*	*12:23:10*	*SRJ*	
NELAC **Phenol Distillation**	**6/6**		**ml**							01

2257571 **Q2353659004** *Received:* 12/19/2023

146473 (Began 9/26/2023)

12/13/2023

EPA 420.4 1	*Prepared:*	*1096146*	*12/20/2023*	*12:23:10*	*Analyzed*	*1096146*	*12/20/2023*	*12:23:10*	*SRJ*	
NELAC **Phenol Distillation**	**6/6**		**ml**							01

Qualifiers:

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

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

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

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

Report Page 5 of 10

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
*Office: 903-984-0551 * Fax: 903-984-5914*

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LCRA-C

LCRA Environmental Laboratory
Ariana Dean
3505 Montopolis Dr.
Austin, TX 78744

Printed: 12/22/2023

Bill Peery

Bill Peery, MS, VP Technical Services

Environmental Laboratory Services
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QUALITY CONTROL

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3

LCRA-C

LCRA Environmental Laboratory
Ariana Dean
3505 Montopolis Dr.
Austin, TX 78744

Project
1084843

Printed 12/22/2023

Analytical Set 1096625 — EPA 420.4 1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Phenolics, Total Recoverable	1096146	ND	0.003	0.005	mg/L	125786659

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.207	0.200	mg/L	104	90.0 - 110	125786638
Phenolics, Total Recoverable	0.190	0.200	mg/L	95.0	90.0 - 110	125786646
Phenolics, Total Recoverable	0.185	0.200	mg/L	92.5	90.0 - 110	125786657
Phenolics, Total Recoverable	0.185	0.200	mg/L	92.5	90.0 - 110	125786667
Phenolics, Total Recoverable	0.185	0.200	mg/L	92.5	90.0 - 110	125786678
Phenolics, Total Recoverable	0.188	0.200	mg/L	94.0	90.0 - 110	125786687

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD		Limit%
Phenolics, Total Recoverable	2257418	0.012	0.017	mg/L	34.5	*	20.0
Phenolics, Total Recoverable	2257419	0.011	0.014	mg/L	24.0	*	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.210	0.200	mg/L	105	90.0 - 110	125786637

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Phenolics, Total Recoverable	1096146	0.186	0.185	0.200	90.0 - 110	93.0	92.5	mg/L	0.539	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File	
Phenolics, Total Recoverable	2257418	0.162	0.017	0.200	mg/L	72.5	90.0 - 110	125786664	*
Phenolics, Total Recoverable	2257419	0.175	0.014	0.200	mg/L	80.5	90.0 - 110	125786668	*

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

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); ICV - Initial Calibration Verification; LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.)

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Fax (512)730-6021

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2
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4

1084843 CoC Print Group 001 of 001

LCRA Chain of Custody

Document: 45502902

Results Requested By:

Report To	Subcontract To
LCRA Environmental Laboratory Services 3505 Montopolis Drive Austin, TX 78744 Phone (512)730-6022 Fax (512)730-6021 Email environmental.lab@lcra.org	Skeeter Ludewig Ana-Lab Corporation 2600 Dudley Road Kilgore, TX 75662 Phone (903)984-0551

Item	Lab ID	Collect Date/Time	Matrix	Preserved Containers: COOL 6C	Requested Analysis: E420.1 Phenolics, Spectrophoto	LAB USE ONLY
1	Q2353659001	12/13/2023 00:30	Aqueous	1	X	2257568
2	Q2353659002	12/13/2023 06:30	Aqueous	1	X	569
3	Q2353659003	12/13/2023 12:30	Aqueous	1	X	570
4	Q2353659004	12/13/2023 18:30	Aqueous	1	X	571

Report

- ☐ Standard (Results Only)
- ☐ Standard with Batch QC
- ☐ CLP
- ☐ Other ______

Electronic Data Deliverables

- ☐ Stage 2A
- ☐ Stage 2B
- ☐ Stage 3
- ☐ Other ______

Comments

THE SUBCONTRACTOR NOTED ON THIS COC IS THE ONLY LAB AUTHORIZED TO ANALYZE THE SUBMITTED SAMPLES. ANY DEVIATION FROM THIS PROTOCOL REQUIRES WRITTEN AUTHORIZATION FROM ELS MANAGEMENT.

Preservative

COOL 6C = Cool to <=6 degrees C

Transfers	Released By	Date/Time	Received By	Date/Time
1	S. Ortega	12/18/23 17:00	Fedex	
2				
3				
4	Fedex	12/19/23 1130	Jennifer Garrett SPL, Inc.	12/19/23 1130
5				

HORIZON

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

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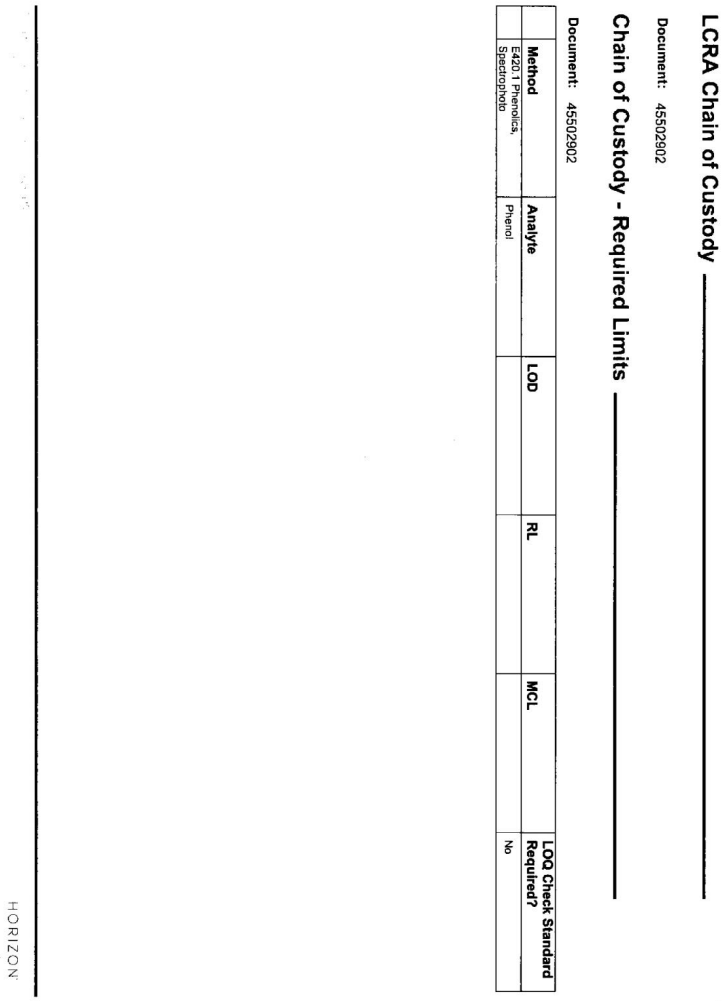

LCRA Chain of Custody

Document: 45502902

Chain of Custody - Required Limits

Document: 45502902

Method	Analyte	LOD	RL	MCL	LOQ Check Standard Required?
E420.1 Phenolics, Spectrophoto	Phenol				No

HORIZON

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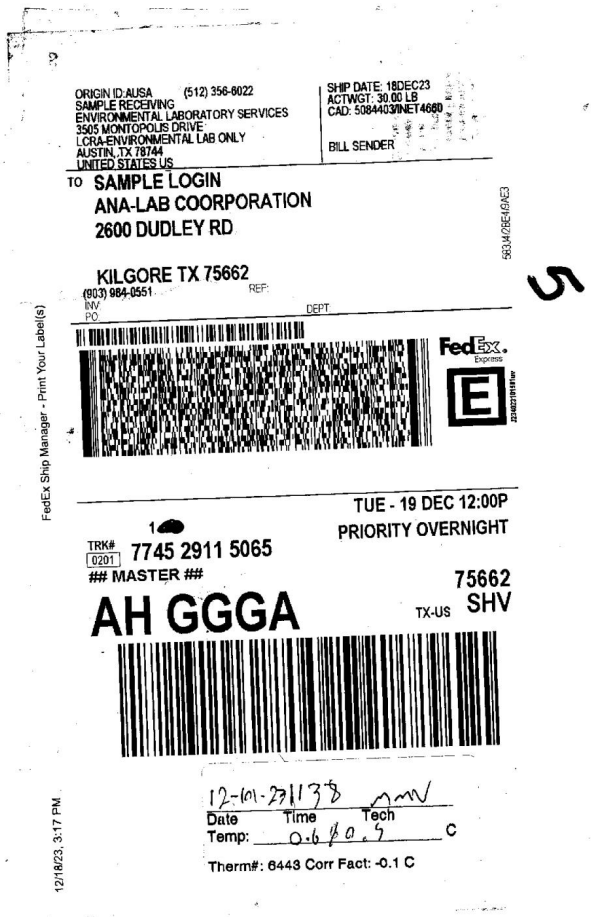
1084843 CoC Print Group 001 of 001



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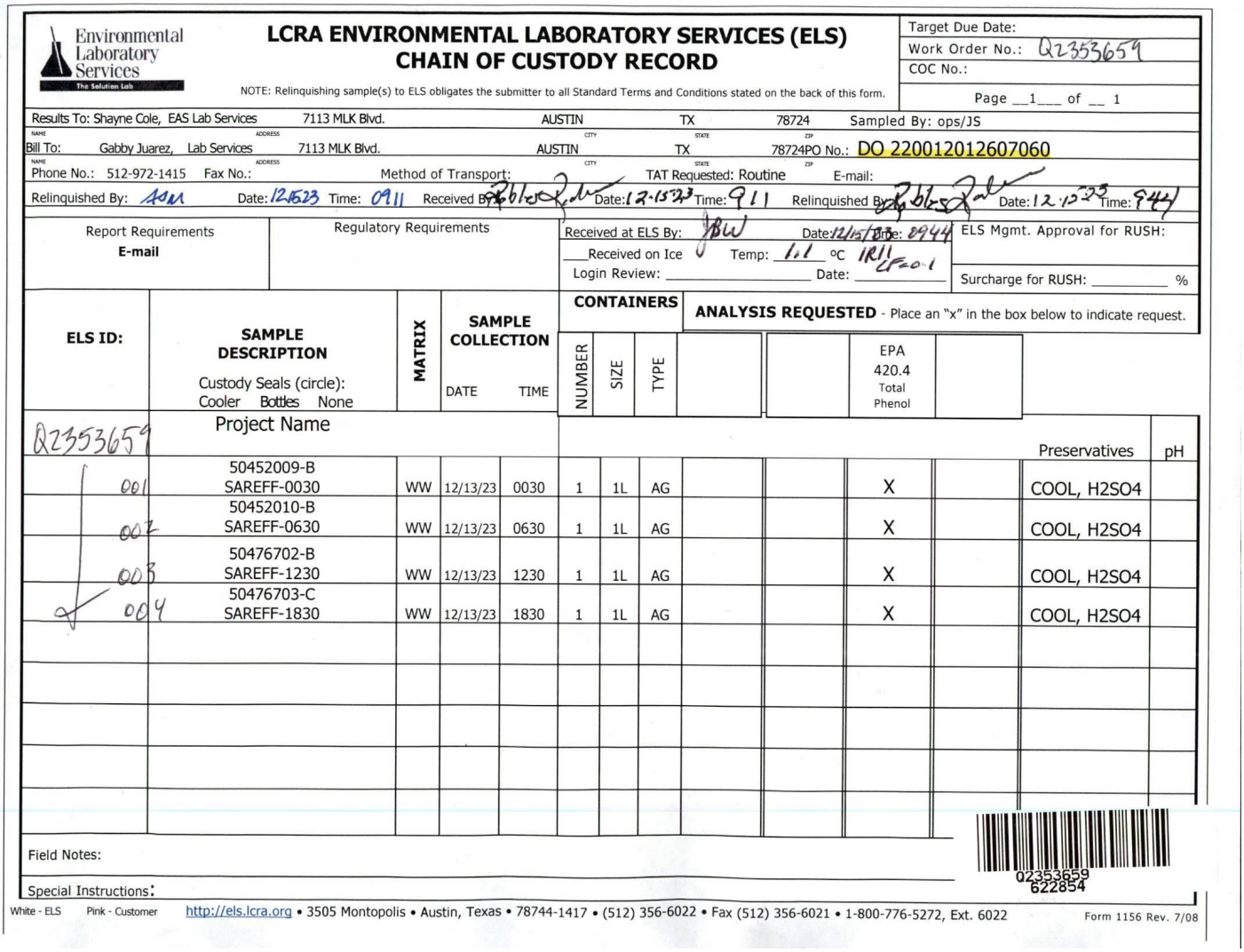

Environmental Laboratory Services
The Solution Lab

LCRA ENVIRONMENTAL LABORATORY SERVICES (ELS)
CHAIN OF CUSTODY RECORD

NOTE: Relinquishing sample(s) to ELS obligates the submitter to all Standard Terms and Conditions stated on the back of this form.

Target Due Date:
Work Order No.: Q2353659
COC No.:
Page 1 of 1

Results To: Shayne Cole, EAS Lab Services 7113 MLK Blvd. AUSTIN TX 78724 Sampled By: ops/JS
Bill To: Gabby Juarez, Lab Services 7113 MLK Blvd. AUSTIN TX 78724 PO No.: DO 220012012607060
Phone No.: 512-972-1415 Fax No.: Method of Transport: TAT Requested: Routine E-mail:
Relinquished By: ADM Date: 121523 Time: 0911 Received By: Date: 12.15.23 Time: 911 Relinquished By: Date: 12.15.23 Time: 944

Report Requirements: E-mail
Regulatory Requirements:
Received at ELS By: JBW Date: 12/15/23 Time: 0944
Received on Ice Temp: 1.1 °C IR11 CF=0.1
Login Review: Date:
ELS Mgmt. Approval for RUSH:
Surcharge for RUSH: %

ELS ID:	SAMPLE DESCRIPTION (Custody Seals (circle): Cooler Bottles None)	MATRIX	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	CONTAINERS NUMBER	CONTAINERS SIZE	CONTAINERS TYPE	ANALYSIS REQUESTED - EPA 420.4 Total Phenol	Preservatives	pH
Q2353659	Project Name									
001	50452009-B SAREFF-0030	WW	12/13/23	0030	1	1L	AG	X	COOL, H2SO4	
002	50452010-B SAREFF-0630	WW	12/13/23	0630	1	1L	AG	X	COOL, H2SO4	
003	50476702-B SAREFF-1230	WW	12/13/23	1230	1	1L	AG	X	COOL, H2SO4	
004	50476703-C SAREFF-1830	WW	12/13/23	1830	1	1L	AG	X	COOL, H2SO4	

Field Notes:
Special Instructions:

02353659
622854

White - ELS Pink - Customer http://els.lcra.org • 3505 Montopolis • Austin, Texas • 78744-1417 • (512) 356-6022 • Fax (512) 356-6021 • 1-800-776-5272, Ext. 6022 Form 1156 Rev. 7/08

Environmental Laboratory Services
The Solution Lab

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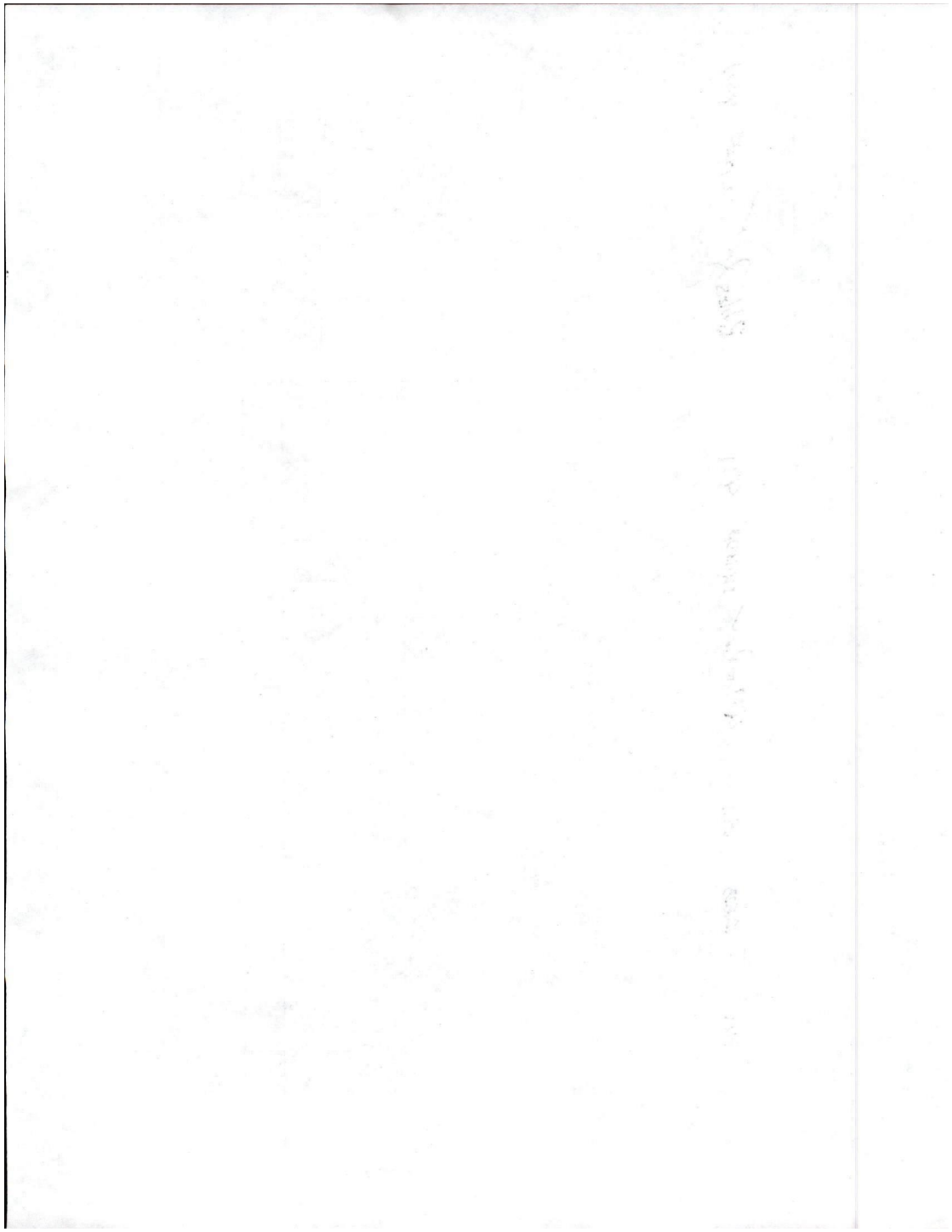


End of Report

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

February 06, 2024

GARY GILMER
COA WATER UTILITY DEPT WALNUT CREEK ENVTL LAB
7113 E MLK BLVD
AUSTIN, TX 78724
GARY.GILMER@AUSTINTEXAS.GOV

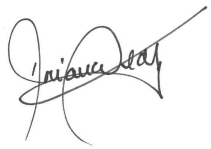
RE: Final Analytical Report Q2403554

Attn: GARY GILMER

Enclosed are the analytical results for sample(s) received by LCRA Environmental Laboratory Services. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report. This final report provides results related only to the sample(s) as received for the above referenced work order.

Thank you for selecting ELS for your analytical needs. If you have any questions regarding this report, please contact us at (512) 730-6022 or environmental.lab@lcra.org. We look forward to assisting you again.

Authorized for release by:



Ariana Dean
Account Manager
ariana.dean@lcra.org

Enclosures:
CC:BRAD GARDNER,SHAYNE COLE

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Workorder: Q2403554
Workorder Description: COAWALNUTLLM+_01292024
Client: COA WATER UTILITY DEPT WALNUT CREEK ENV LAB
Profile: Walnut Creek New Contract
Sampled By: OPS

Report To: GARY GILMER
COA WATER UTILITY DEPT
WALNUT CREEK ENVTL LAB
7113 E MLK BLVD
AUSTIN, TX 78724

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
Q2403554001	50577501-D2 WALINF TSP	AQ	E200.8, Low Level	12/20/2023 12:00	01/29/2024 15:44	18
Q2403554002	50577601-D2 SARINFA TSP	AQ	E200.8, Low Level	12/20/2023 12:00	01/29/2024 15:44	18
Q2403554003	50577602-D2 SARINFC TSP	AQ	E200.8, Low Level	12/20/2023 12:00	01/29/2024 15:44	18
Q2403554004	50593201-D2 WALEFF TSP	AQ	E200.8, Low Level	12/21/2023 12:00	01/29/2024 15:44	18
Q2403554005	50593401-D2 SAREFF TSP	AQ	E200.8, Low Level	12/21/2023 12:00	01/29/2024 15:44	18

Report Definitions

MRL - Minimum Reporting Limit
LOD - Limit of Detection
ML - Maximum Limit - Client Specified
MCL - Maximum Contaminant Level
LOQ - Limit of Quantitation - Client Specified
DF - Dilution Factor
(S) - Surrogate Spike
MDL - Method Detection Limit
RPD - Relative Percent Difference

Qualifier Definitions

J - Analyte detected below quantitation limit
R - RPD outside duplicate precision limit
S - Spike recovery outside limit
B- Analyte detected in method blank
N - Not Accredited
M - Analyte Detected Above Maximum Contaminant Level
SL - Spike Recovery Low
SH - Spike Recovery High
H - Analyzed Past Hold Time
CR - Confirmed Result
CH - Result confirmed by historical data

LCRA Environmental Laboratory Services
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Workorder Summary

Environmental Laboratory Services
The Solution Lab

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Austin, TX 78744
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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	12/20/2023 12:00	**Matrix:**	Aqueous
Lab ID:	Q2403554001	**Date Received:**	01/29/2024 15:44	**Sample Type:**	NCSAMP
Sample ID:	50577501-D2 WALINF TSP	**Location:**			
Project ID:	Walnut Creek New Contract	**Facility:**			
		Sample Point:			

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Antimony Total	<5.00	ug/L	5.00	1.50		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Arsenic Total	1.68	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Barium Total	47.0	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Beryllium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Cadmium Total	<1.00	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Chromium Total	<3.00	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Cobalt Total	0.509	ug/L	0.300	0.100		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Copper Total	31.5	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Lead Total	1.66	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Manganese Total	58.2	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Molybdenum Total	<1.00	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Nickel Total	4.67	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Selenium Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Silver Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Thallium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Tin Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/06/2024 08:15	FM	N

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Aluminum Total	473	ug/L	12.5	4.00		5	02/05/2024 10:16	FM	02/05/2024 13:23	FM	
Zinc Total	165	ug/L	25.0	10.0		5	02/05/2024 10:16	FM	02/05/2024 13:23	FM	

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	12/20/2023 12:00	**Matrix:**	Aqueous
Lab ID:	Q2403554002	**Date Received:**	01/29/2024 15:44	**Sample Type:**	NCSAMP
Sample ID:	50577601-D2 SARINFA TSP	**Location:**			
Project ID:	Walnut Creek New Contract	**Facility:**			
		Sample Point:			

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Aluminum Total	910	ug/L	25.0	8.00		10	02/05/2024 10:16	FM	02/05/2024 13:37	FM	
Zinc Total	155	ug/L	50.0	20.0		10	02/05/2024 10:16	FM	02/05/2024 13:37	FM	

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Tin Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/06/2024 08:16	FM	N

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Antimony Total	<5.00	ug/L	5.00	1.50		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Arsenic Total	1.45	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Barium Total	44.4	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Beryllium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Cadmium Total	<1.00	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Chromium Total	<3.00	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Cobalt Total	0.605	ug/L	0.300	0.100		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Copper Total	12.1	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Lead Total	1.59	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Manganese Total	44.2	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Molybdenum Total	<1.00	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Nickel Total	3.91	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Selenium Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Silver Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Thallium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	12/20/2023 12:00	**Matrix:**	Aqueous
Lab ID:	Q2403554003	**Date Received:**	01/29/2024 15:44	**Sample Type:**	NCSAMP
Sample ID:	50577602-D2 SARINFC TSP	**Location:**			
Project ID:	Walnut Creek New Contract	**Facility:**			
		Sample Point:			

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Antimony Total	<5.00	ug/L	5.00	1.50		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Arsenic Total	2.03	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Barium Total	55.3	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Beryllium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Cadmium Total	<1.00	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Chromium Total	<3.00	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Cobalt Total	1.05	ug/L	0.300	0.100		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Copper Total	4.81	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Lead Total	1.72	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Manganese Total	68.6	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Molybdenum Total	<1.00	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Nickel Total	5.23	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Selenium Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Silver Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Thallium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Aluminum Total	905	ug/L	25.0	8.00		10	02/05/2024 10:16	FM	02/05/2024 13:38	FM	
Zinc Total	122	ug/L	50.0	20.0		10	02/05/2024 10:16	FM	02/05/2024 13:38	FM	

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Tin Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/06/2024 08:17	FM	N

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	12/21/2023 12:00	**Matrix:**	Aqueous
Lab ID:	Q2403554004	**Date Received:**	01/29/2024 15:44	**Sample Type:**	NCSAMP
Sample ID:	50593201-D2 WALEFF TSP	**Location:**			
Project ID:	Walnut Creek New Contract	**Facility:**			
		Sample Point:			

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Tin Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/06/2024 08:19	FM	N

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Aluminum Total	13.0	ug/L	2.50	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Antimony Total	<5.00	ug/L	5.00	1.50		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Arsenic Total	1.10	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Barium Total	16.1	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Beryllium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Cadmium Total	<1.00	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Chromium Total	<3.00	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Cobalt Total	<0.300	ug/L	0.300	0.100		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Copper Total	3.09	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Lead Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Manganese Total	22.7	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Molybdenum Total	2.83	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Nickel Total	2.56	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Selenium Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Silver Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Thallium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Zinc Total	38.3	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	12/21/2023 12:00	**Matrix:**	Aqueous
Lab ID:	Q2403554005	**Date Received:**	01/29/2024 15:44	**Sample Type:**	NCSAMP
Sample ID:	50593401-D2 SAREFF TSP	**Location:**			
Project ID:	Walnut Creek New Contract	**Facility:**			
		Sample Point:			

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Aluminum Total	15.1	ug/L	2.50	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Antimony Total	<5.00	ug/L	5.00	1.50		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Arsenic Total	1.16	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Barium Total	16.3	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Beryllium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Cadmium Total	<1.00	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Chromium Total	<3.00	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Cobalt Total	0.351	ug/L	0.300	0.100		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Copper Total	<2.00	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Lead Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Manganese Total	17.0	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Molybdenum Total	1.98	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Nickel Total	2.35	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Selenium Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Silver Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Thallium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Zinc Total	25.3	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Tin Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/06/2024 08:20	FM	N

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Quality Control Results

QC Batch: MET/10194 **Analysis Method:** E200.8, Low Level
Preparation Method: E200.8, ICP-MS Prep Low Level
Associated Lab IDs: Q2403554001, Q2403554002, Q2403554003, Q2403554004, Q2403554005

Laboratory Fortified Blank (2029033); Lab Fortified Blank Duplicate (2029034)

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Aluminum Total	ug/L	50.0	52.5	105.0	85 - 115	51.7	103.0	1.54	20	
Antimony Total	ug/L	50.0	54.7	109.0	85 - 115	54.0	108.0	1.29	20	
Arsenic Total	ug/L	50.0	51.2	102.0	85 - 115	51.3	103.0	0.195	20	
Barium Total	ug/L	50.0	52.0	104.0	85 - 115	52.8	106.0	1.53	20	
Beryllium Total	ug/L	50.0	53.2	106.0	85 - 115	53.1	106.0	0.188	20	
Cadmium Total	ug/L	50.0	52.9	106.0	85 - 115	52.4	105.0	0.95	20	
Chromium Total	ug/L	50.0	50.0	100.0	85 - 115	50.3	101.0	0.598	20	
Cobalt Total	ug/L	50.0	53.0	106.0	85 - 115	52.9	106.0	0.189	20	
Copper Total	ug/L	50.0	51.7	103.0	85 - 115	51.6	103.0	0.194	20	
Lead Total	ug/L	50.0	51.9	104.0	85 - 115	52.4	105.0	0.959	20	
Manganese Total	ug/L	50.0	51.2	102.0	85 - 115	51.3	103.0	0.195	20	
Molybdenum Total	ug/L	50.0	52.5	105.0	85 - 115	52.1	104.0	0.765	20	
Nickel Total	ug/L	50.0	52.8	106.0	85 - 115	52.9	106.0	0.189	20	
Selenium Total	ug/L	250.0	255.0	102.0	85 - 115	254.0	102.0	0.393	20	
Silver Total	ug/L	50.0	51.8	104.0	85 - 115	51.5	103.0	0.581	20	
Thallium Total	ug/L	50.0	52.9	106.0	85 - 115	53.5	107.0	1.13	20	
Tin Total	ug/L	100.0	92.9	92.9	85 - 115	95.3	95.3	2.55	20	
Zinc Total	ug/L	50.0	53.7	107.0	85 - 115	52.7	105.0	1.88	20	

Laboratory Reagent Blank(2029032)

Parameter	Units	Results	MRL	LOD	Qualifier
Aluminum Total	ug/L	<2.50	2.5	0.8	
Antimony Total	ug/L	<5.00	5.0	1.5	
Arsenic Total	ug/L	<0.500	0.5	0.2	
Barium Total	ug/L	<3.00	3.0	1.0	
Beryllium Total	ug/L	<0.500	0.5	0.2	
Cadmium Total	ug/L	<1.00	1.0	0.3	
Chromium Total	ug/L	<3.00	3.0	1.0	
Cobalt Total	ug/L	<0.300	0.3	0.1	
Copper Total	ug/L	<2.00	2.0	0.8	
Lead Total	ug/L	<0.500	0.5	0.2	
Manganese Total	ug/L	<0.500	0.5	0.2	

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Quality Control Results

QC Batch: MET/10194 **Analysis Method:** E200.8, Low Level
Preparation Method: E200.8, ICP-MS Prep Low Level
Associated Lab IDs: Q2403554001, Q2403554002, Q2403554003, Q2403554004, Q2403554005

Parameter	Units	Results	MRL	LOD	Qualifier
Molybdenum Total	ug/L	<1.00	1.0	0.3	
Nickel Total	ug/L	<2.00	2.0	0.8	
Selenium Total	ug/L	<5.00	5.0	2.0	
Silver Total	ug/L	<0.500	0.5	0.2	
Thallium Total	ug/L	<0.500	0.5	0.2	
Tin Total	ug/L	<5.00	5.0	2.0	
Zinc Total	ug/L	<5.00	5.0	2.0	

Laboratory Fortified Matrix (2029035); Lab Fortified Matrix Duplicate (2029036); Original: Q2403554004

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Aluminum Total	ug/L	50.0	65.1	104.0	70 - 130	67.2	108.0	3.17	20	
Antimony Total	ug/L	50.0	57.0	114.0	70 - 130	57.3	115.0	0.525	20	
Arsenic Total	ug/L	50.0	54.7	107.0	70 - 130	55.0	108.0	0.547	20	
Barium Total	ug/L	50.0	71.5	111.0	70 - 130	71.7	111.0	0.279	20	
Beryllium Total	ug/L	50.0	54.8	110.0	70 - 130	54.2	108.0	1.1	20	
Cadmium Total	ug/L	50.0	52.5	105.0	70 - 130	53.3	107.0	1.51	20	
Chromium Total	ug/L	50.0	52.0	104.0	70 - 130	51.6	103.0	0.772	20	
Cobalt Total	ug/L	50.0	53.8	108.0	70 - 130	54.4	109.0	1.11	20	
Copper Total	ug/L	50.0	55.4	105.0	70 - 130	55.9	106.0	0.898	20	
Lead Total	ug/L	50.0	54.1	108.0	70 - 130	54.2	108.0	0.185	20	
Manganese Total	ug/L	50.0	77.1	109.0	70 - 130	78.2	111.0	1.42	20	
Molybdenum Total	ug/L	50.0	58.2	111.0	70 - 130	58.3	111.0	0.172	20	
Nickel Total	ug/L	50.0	55.6	106.0	70 - 130	56.2	107.0	1.07	20	
Selenium Total	ug/L	250.0	259.0	104.0	70 - 130	262.0	105.0	1.15	20	
Silver Total	ug/L	50.0	51.6	103.0	70 - 130	51.8	104.0	0.387	20	
Thallium Total	ug/L	50.0	55.3	111.0	70 - 130	55.0	110.0	0.544	20	
Tin Total	ug/L	100.0	99.6	99.6	70 - 130	99.2	99.2	0.402	20	
Zinc Total	ug/L	50.0	92.8	109.0	70 - 130	93.4	110.0	0.644	20	

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Quality Control Results

QC Batch: MET/10196 **Analysis Method:** E200.8, Low Level
Preparation Method: E200.8, ICP-MS Prep Low Level
Associated Lab IDs: Q2403554001, Q2403554002, Q2403554003, Q2403554004, Q2403554005

Laboratory Fortified Blank (2029033); Lab Fortified Blank Duplicate (2029034)

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Aluminum Total	ug/L	50.0	52.5	105.0	85 - 115	51.7	103.0	1.54	20	
Antimony Total	ug/L	50.0	54.7	109.0	85 - 115	54.0	108.0	1.29	20	
Arsenic Total	ug/L	50.0	51.2	102.0	85 - 115	51.3	103.0	0.195	20	
Barium Total	ug/L	50.0	52.0	104.0	85 - 115	52.8	106.0	1.53	20	
Beryllium Total	ug/L	50.0	53.2	106.0	85 - 115	53.1	106.0	0.188	20	
Cadmium Total	ug/L	50.0	52.9	106.0	85 - 115	52.4	105.0	0.95	20	
Chromium Total	ug/L	50.0	50.0	100.0	85 - 115	50.3	101.0	0.598	20	
Cobalt Total	ug/L	50.0	53.0	106.0	85 - 115	52.9	106.0	0.189	20	
Copper Total	ug/L	50.0	51.7	103.0	85 - 115	51.6	103.0	0.194	20	
Lead Total	ug/L	50.0	51.9	104.0	85 - 115	52.4	105.0	0.959	20	
Manganese Total	ug/L	50.0	51.2	102.0	85 - 115	51.3	103.0	0.195	20	
Molybdenum Total	ug/L	50.0	52.5	105.0	85 - 115	52.1	104.0	0.765	20	
Nickel Total	ug/L	50.0	52.8	106.0	85 - 115	52.9	106.0	0.189	20	
Selenium Total	ug/L	250.0	255.0	102.0	85 - 115	254.0	102.0	0.393	20	
Silver Total	ug/L	50.0	51.8	104.0	85 - 115	51.5	103.0	0.581	20	
Thallium Total	ug/L	50.0	52.9	106.0	85 - 115	53.5	107.0	1.13	20	
Tin Total	ug/L	100.0	92.9	92.9	85 - 115	95.3	95.3	2.55	20	
Zinc Total	ug/L	50.0	53.7	107.0	85 - 115	52.7	105.0	1.88	20	

Laboratory Reagent Blank(2029032)

Parameter	Units	Results	MRL	LOD	Qualifier
Aluminum Total	ug/L	<2.50	2.5	0.8	
Antimony Total	ug/L	<5.00	5.0	1.5	
Arsenic Total	ug/L	<0.500	0.5	0.2	
Barium Total	ug/L	<3.00	3.0	1.0	
Beryllium Total	ug/L	<0.500	0.5	0.2	
Cadmium Total	ug/L	<1.00	1.0	0.3	
Chromium Total	ug/L	<3.00	3.0	1.0	
Cobalt Total	ug/L	<0.300	0.3	0.1	
Copper Total	ug/L	<2.00	2.0	0.8	
Lead Total	ug/L	<0.500	0.5	0.2	
Manganese Total	ug/L	<0.500	0.5	0.2	

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Quality Control Results

QC Batch: MET/10196 **Analysis Method:** E200.8, Low Level
Preparation Method: E200.8, ICP-MS Prep Low Level
Associated Lab IDs: Q2403554001, Q2403554002, Q2403554003, Q2403554004, Q2403554005

Parameter	Units	Results	MRL	LOD	Qualifier
Molybdenum Total	ug/L	<1.00	1.0	0.3	
Nickel Total	ug/L	<2.00	2.0	0.8	
Selenium Total	ug/L	<5.00	5.0	2.0	
Silver Total	ug/L	<0.500	0.5	0.2	
Thallium Total	ug/L	<0.500	0.5	0.2	
Tin Total	ug/L	<5.00	5.0	2.0	
Zinc Total	ug/L	<5.00	5.0	2.0	

Laboratory Fortified Matrix (2029035); Lab Fortified Matrix Duplicate (2029036); Original: Q2403554004

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Aluminum Total	ug/L	50.0	65.1	104.0	70 - 130	67.2	108.0	3.17	20	
Antimony Total	ug/L	50.0	57.0	114.0	70 - 130	57.3	115.0	0.525	20	
Arsenic Total	ug/L	50.0	54.7	107.0	70 - 130	55.0	108.0	0.547	20	
Barium Total	ug/L	50.0	71.5	111.0	70 - 130	71.7	111.0	0.279	20	
Beryllium Total	ug/L	50.0	54.8	110.0	70 - 130	54.2	108.0	1.1	20	
Cadmium Total	ug/L	50.0	52.5	105.0	70 - 130	53.3	107.0	1.51	20	
Chromium Total	ug/L	50.0	52.0	104.0	70 - 130	51.6	103.0	0.772	20	
Cobalt Total	ug/L	50.0	53.8	108.0	70 - 130	54.4	109.0	1.11	20	
Copper Total	ug/L	50.0	55.4	105.0	70 - 130	55.9	106.0	0.898	20	
Lead Total	ug/L	50.0	54.1	108.0	70 - 130	54.2	108.0	0.185	20	
Manganese Total	ug/L	50.0	77.1	109.0	70 - 130	78.2	111.0	1.42	20	
Molybdenum Total	ug/L	50.0	58.2	111.0	70 - 130	58.3	111.0	0.172	20	
Nickel Total	ug/L	50.0	55.6	106.0	70 - 130	56.2	107.0	1.07	20	
Selenium Total	ug/L	250.0	259.0	104.0	70 - 130	262.0	105.0	1.15	20	
Silver Total	ug/L	50.0	51.6	103.0	70 - 130	51.8	104.0	0.387	20	
Thallium Total	ug/L	50.0	55.3	111.0	70 - 130	55.0	110.0	0.544	20	
Tin Total	ug/L	100.0	99.6	99.6	70 - 130	99.2	99.2	0.402	20	
Zinc Total	ug/L	50.0	92.8	109.0	70 - 130	93.4	110.0	0.644	20	

Environmental Laboratory Services
The Solution Lab

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3505 Montopolis Drive
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Fax (512)730-6021

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MET/10194 - E200.8, Low Level			
Q2403554001	50577501-D2 WALINF TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
Q2403554002	50577601-D2 SARINFA TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
Q2403554003	50577602-D2 SARINFC TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
Q2403554004	50593201-D2 WALEFF TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
Q2403554005	50593401-D2 SAREFF TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
MET/10196 - E200.8, Low Level			
Q2403554001	50577501-D2 WALINF TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
Q2403554002	50577601-D2 SARINFA TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
Q2403554003	50577602-D2 SARINFC TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
Q2403554004	50593201-D2 WALEFF TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
Q2403554005	50593401-D2 SAREFF TSP	MEP/13349	E200.8, ICP-MS Prep Low Level

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02403554

LCRA ENVIRONMENTAL LABORATORY SERVICES (ELS)
CHAIN OF CUSTODY RECORD

NOTE: Relinquishing sample(s) to ELS obligates the submitter to all Standard Terms and Conditions stated on the back of this form.

Target Due Date:
Work Order No.:
COC No.:
Page 1 of 1

Results To: Shayne Cole, EAS Lab Services 7113 MLK Blvd. AUSTIN TX 78724 Sampled By: OPS

Bill To: Gabby Juarez, Lab Services 7113 MLK Blvd. AUSTIN TX 78724 PO No.: DO 220012012607060

Phone No.: 512-972-1415 Fax No.: Method of Transport: TAT Requested: RUSH Working days E-mail:

Relinquished By: SReyes Date: 1-29-24 Time: 1513 Received By: Date: 1-29-24 Time: 1513 Relinquished By: Date: 1-29-24 Time: 1544

Report Requirements: E-mail

Regulatory Requirements

Received at ELS By: S. Ortega Date: 1/29 Time: 15:44

___Received on Ice Temp: _____ °C

Login Review: _____ Date: _____

ELS Mgmt. Approval for RUSH:

Surcharge for RUSH: _____%

ELS ID:	SAMPLE DESCRIPTION Custody Seals (circle): Cooler Bottles None	MATRIX	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	CONTAINERS NUMBER	CONTAINERS SIZE	CONTAINERS TYPE	ANALYSIS REQUESTED - EPA* 200.8	EPA 200.7 Boron		EPA 1664A Oil & Grease	Preservatives	pH
	Project Name												
02403554-001	50577501-D2 WALINF TSP	WW	12/20/23	1200	1	500 mL	P	X				HNO3	
-002	50577601-D2 SARINFA TSP	WW	12/20/23	1200	1	500 mL	P	X				HNO3	
-003	50577602-D2 SARINFC TSP	WW	12/20/23	1200	1	500 mL	P	X				HNO3	
-004	50593201-D2 WALEFF TSP	WW	12/21/23	1200	1	500 mL	P	X				HNO3	
-005	50593401-D2 SAREFF TSP	WW	12/21/23	1200	1	500 mL	P	X				HNO3	

02403554
627614

Field Notes: *EPA 200.8 metals requested are: Ag Al As Ba Be Cd Co Cr Cu Mn Mo Ni Pb Sb Sn Se Tl Zn – 1 week tat requested.

Special Instructions:

White - ELS Pink - Customer http://els.lcra.org • 3505 Montopolis • Austin, Texas • 78744-1417 • (512) 356-6022 • Fax (512) 356-6021 • 1-800-776-5272, Ext. 6022 Form 1156 Rev. 7/08

End of Report

LCRA Environmental Laboratory Services
3505 Montopolis Drive
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February 06, 2024

GARY GILMER
COA WATER UTILITY DEPT WALNUT CREEK ENVTL LAB
7113 E MLK BLVD
AUSTIN, TX 78724
GARY.GILMER@AUSTINTEXAS.GOV

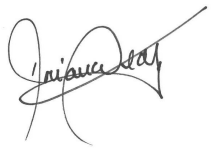
RE: Final Analytical Report Q2403554

Attn: GARY GILMER

Enclosed are the analytical results for sample(s) received by LCRA Environmental Laboratory Services. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report. This final report provides results related only to the sample(s) as received for the above referenced work order.

Thank you for selecting ELS for your analytical needs. If you have any questions regarding this report, please contact us at (512) 730-6022 or environmental.lab@lcra.org. We look forward to assisting you again.

Authorized for release by:



Ariana Dean
Account Manager
ariana.dean@lcra.org

Enclosures:
CC:BRAD GARDNER,SHAYNE COLE

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
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Workorder: Q2403554
Workorder Description: COAWALNUTLLM+_01292024
Client: COA WATER UTILITY DEPT WALNUT CREEK ENV LAB
Profile: Walnut Creek New Contract
Sampled By: OPS

Report To: GARY GILMER
COA WATER UTILITY DEPT
WALNUT CREEK ENVTL LAB
7113 E MLK BLVD
AUSTIN, TX 78724

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
Q2403554001	50577501-D2 WALINF TSP	AQ	E200.8, Low Level	12/20/2023 12:00	01/29/2024 15:44	18
Q2403554002	50577601-D2 SARINFA TSP	AQ	E200.8, Low Level	12/20/2023 12:00	01/29/2024 15:44	18
Q2403554003	50577602-D2 SARINFC TSP	AQ	E200.8, Low Level	12/20/2023 12:00	01/29/2024 15:44	18
Q2403554004	50593201-D2 WALEFF TSP	AQ	E200.8, Low Level	12/21/2023 12:00	01/29/2024 15:44	18
Q2403554005	50593401-D2 SAREFF TSP	AQ	E200.8, Low Level	12/21/2023 12:00	01/29/2024 15:44	18

Report Definitions

MRL - Minimum Reporting Limit
LOD - Limit of Detection
ML - Maximum Limit - Client Specified
MCL - Maximum Contaminant Level
LOQ - Limit of Quantitation - Client Specified
DF - Dilution Factor
(S) - Surrogate Spike
MDL - Method Detection Limit
RPD - Relative Percent Difference

Qualifier Definitions

J - Analyte detected below quantitation limit
R - RPD outside duplicate precision limit
S - Spike recovery outside limit
B- Analyte detected in method blank
N - Not Accredited
M - Analyte Detected Above Maximum Contaminant Level
SL - Spike Recovery Low
SH - Spike Recovery High
H - Analyzed Past Hold Time
CR - Confirmed Result
CH - Result confirmed by historical data

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Workorder Summary

Environmental Laboratory Services
The Solution Lab

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Fax (512)730-6021

Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	12/20/2023 12:00	**Matrix:**	Aqueous
Lab ID:	Q2403554001	**Date Received:**	01/29/2024 15:44	**Sample Type:**	NCSAMP
Sample ID:	50577501-D2 WALINF TSP	**Location:**			
Project ID:	Walnut Creek New Contract	**Facility:**			
		Sample Point:			

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Antimony Total	<5.00	ug/L	5.00	1.50		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Arsenic Total	1.68	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Barium Total	47.0	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Beryllium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Cadmium Total	<1.00	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Chromium Total	<3.00	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Cobalt Total	0.509	ug/L	0.300	0.100		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Copper Total	31.5	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Lead Total	1.66	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Manganese Total	58.2	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Molybdenum Total	<1.00	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Nickel Total	4.67	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Selenium Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Silver Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	
Thallium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:02	FM	

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Tin Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/06/2024 08:15	FM	N

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Aluminum Total	473	ug/L	12.5	4.00		5	02/05/2024 10:16	FM	02/05/2024 13:23	FM	
Zinc Total	165	ug/L	25.0	10.0		5	02/05/2024 10:16	FM	02/05/2024 13:23	FM	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	12/20/2023 12:00	**Matrix:**	Aqueous
Lab ID:	Q2403554002	**Date Received:**	01/29/2024 15:44	**Sample Type:**	NCSAMP
Sample ID:	50577601-D2 SARINFA TSP	**Location:**			
Project ID:	Walnut Creek New Contract	**Facility:**			
		Sample Point:			

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Aluminum Total	910	ug/L	25.0	8.00		10	02/05/2024 10:16	FM	02/05/2024 13:37	FM	
Zinc Total	155	ug/L	50.0	20.0		10	02/05/2024 10:16	FM	02/05/2024 13:37	FM	

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Tin Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/06/2024 08:16	FM	N

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Antimony Total	<5.00	ug/L	5.00	1.50		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Arsenic Total	1.45	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Barium Total	44.4	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Beryllium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Cadmium Total	<1.00	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Chromium Total	<3.00	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Cobalt Total	0.605	ug/L	0.300	0.100		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Copper Total	12.1	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Lead Total	1.59	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Manganese Total	44.2	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Molybdenum Total	<1.00	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Nickel Total	3.91	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Selenium Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Silver Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	
Thallium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:03	FM	

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	12/20/2023 12:00	**Matrix:**	Aqueous
Lab ID:	Q2403554003	**Date Received:**	01/29/2024 15:44	**Sample Type:**	NCSAMP
Sample ID:	50577602-D2 SARINFC TSP	**Location:**			
Project ID:	Walnut Creek New Contract	**Facility:**			
		Sample Point:			

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Antimony Total	<5.00	ug/L	5.00	1.50		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Arsenic Total	2.03	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Barium Total	55.3	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Beryllium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Cadmium Total	<1.00	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Chromium Total	<3.00	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Cobalt Total	1.05	ug/L	0.300	0.100		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Copper Total	4.81	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Lead Total	1.72	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Manganese Total	68.6	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Molybdenum Total	<1.00	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Nickel Total	5.23	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Selenium Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Silver Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	
Thallium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:05	FM	

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Aluminum Total	905	ug/L	25.0	8.00		10	02/05/2024 10:16	FM	02/05/2024 13:38	FM	
Zinc Total	122	ug/L	50.0	20.0		10	02/05/2024 10:16	FM	02/05/2024 13:38	FM	

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Tin Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/06/2024 08:17	FM	N

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Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	12/21/2023 12:00	**Matrix:**	Aqueous
Lab ID:	Q2403554004	**Date Received:**	01/29/2024 15:44	**Sample Type:**	NCSAMP
Sample ID:	50593201-D2 WALEFF TSP	**Location:**			
Project ID:	Walnut Creek New Contract	**Facility:**			
		Sample Point:			

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Tin Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/06/2024 08:19	FM	N

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Aluminum Total	13.0	ug/L	2.50	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Antimony Total	<5.00	ug/L	5.00	1.50		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Arsenic Total	1.10	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Barium Total	16.1	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Beryllium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Cadmium Total	<1.00	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Chromium Total	<3.00	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Cobalt Total	<0.300	ug/L	0.300	0.100		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Copper Total	3.09	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Lead Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Manganese Total	22.7	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Molybdenum Total	2.83	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Nickel Total	2.56	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Selenium Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Silver Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Thallium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	
Zinc Total	38.3	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/05/2024 13:07	FM	

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Analytical Results

Client ID:	COA WALNUT	**Date Collected:**	12/21/2023 12:00	**Matrix:**	Aqueous
Lab ID:	Q2403554005	**Date Received:**	01/29/2024 15:44	**Sample Type:**	NCSAMP
Sample ID:	50593401-D2 SAREFF TSP	**Location:**			
Project ID:	Walnut Creek New Contract	**Facility:**			
		Sample Point:			

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Aluminum Total	15.1	ug/L	2.50	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Antimony Total	<5.00	ug/L	5.00	1.50		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Arsenic Total	1.16	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Barium Total	16.3	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Beryllium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Cadmium Total	<1.00	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Chromium Total	<3.00	ug/L	3.00	1.00		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Cobalt Total	0.351	ug/L	0.300	0.100		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Copper Total	<2.00	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Lead Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Manganese Total	17.0	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Molybdenum Total	1.98	ug/L	1.00	0.300		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Nickel Total	2.35	ug/L	2.00	0.800		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Selenium Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Silver Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Thallium Total	<0.500	ug/L	0.500	0.200		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	
Zinc Total	25.3	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/05/2024 13:08	FM	

(E200.8, ICP-MS Prep Low Level/E200.8, Low Level)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Tin Total	<5.00	ug/L	5.00	2.00		1	02/05/2024 10:16	FM	02/06/2024 08:20	FM	N

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Fax (512)730-6021

Quality Control Results

QC Batch: MET/10194 **Analysis Method:** E200.8, Low Level
Preparation Method: E200.8, ICP-MS Prep Low Level
Associated Lab IDs: Q2403554001, Q2403554002, Q2403554003, Q2403554004, Q2403554005

Laboratory Fortified Blank (2029033); Lab Fortified Blank Duplicate (2029034)

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Aluminum Total	ug/L	50.0	52.5	105.0	85 - 115	51.7	103.0	1.54	20	
Antimony Total	ug/L	50.0	54.7	109.0	85 - 115	54.0	108.0	1.29	20	
Arsenic Total	ug/L	50.0	51.2	102.0	85 - 115	51.3	103.0	0.195	20	
Barium Total	ug/L	50.0	52.0	104.0	85 - 115	52.8	106.0	1.53	20	
Beryllium Total	ug/L	50.0	53.2	106.0	85 - 115	53.1	106.0	0.188	20	
Cadmium Total	ug/L	50.0	52.9	106.0	85 - 115	52.4	105.0	0.95	20	
Chromium Total	ug/L	50.0	50.0	100.0	85 - 115	50.3	101.0	0.598	20	
Cobalt Total	ug/L	50.0	53.0	106.0	85 - 115	52.9	106.0	0.189	20	
Copper Total	ug/L	50.0	51.7	103.0	85 - 115	51.6	103.0	0.194	20	
Lead Total	ug/L	50.0	51.9	104.0	85 - 115	52.4	105.0	0.959	20	
Manganese Total	ug/L	50.0	51.2	102.0	85 - 115	51.3	103.0	0.195	20	
Molybdenum Total	ug/L	50.0	52.5	105.0	85 - 115	52.1	104.0	0.765	20	
Nickel Total	ug/L	50.0	52.8	106.0	85 - 115	52.9	106.0	0.189	20	
Selenium Total	ug/L	250.0	255.0	102.0	85 - 115	254.0	102.0	0.393	20	
Silver Total	ug/L	50.0	51.8	104.0	85 - 115	51.5	103.0	0.581	20	
Thallium Total	ug/L	50.0	52.9	106.0	85 - 115	53.5	107.0	1.13	20	
Tin Total	ug/L	100.0	92.9	92.9	85 - 115	95.3	95.3	2.55	20	
Zinc Total	ug/L	50.0	53.7	107.0	85 - 115	52.7	105.0	1.88	20	

Laboratory Reagent Blank(2029032)

Parameter	Units	Results	MRL	LOD	Qualifier
Aluminum Total	ug/L	<2.50	2.5	0.8	
Antimony Total	ug/L	<5.00	5.0	1.5	
Arsenic Total	ug/L	<0.500	0.5	0.2	
Barium Total	ug/L	<3.00	3.0	1.0	
Beryllium Total	ug/L	<0.500	0.5	0.2	
Cadmium Total	ug/L	<1.00	1.0	0.3	
Chromium Total	ug/L	<3.00	3.0	1.0	
Cobalt Total	ug/L	<0.300	0.3	0.1	
Copper Total	ug/L	<2.00	2.0	0.8	
Lead Total	ug/L	<0.500	0.5	0.2	
Manganese Total	ug/L	<0.500	0.5	0.2	

Environmental Laboratory Services
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3505 Montopolis Drive
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Phone (512)730-6022
Fax (512)730-6021

Quality Control Results

QC Batch: MET/10194 **Analysis Method:** E200.8, Low Level
Preparation Method: E200.8, ICP-MS Prep Low Level
Associated Lab IDs: Q2403554001, Q2403554002, Q2403554003, Q2403554004, Q2403554005

Parameter	Units	Results	MRL	LOD	Qualifier
Molybdenum Total	ug/L	<1.00	1.0	0.3	
Nickel Total	ug/L	<2.00	2.0	0.8	
Selenium Total	ug/L	<5.00	5.0	2.0	
Silver Total	ug/L	<0.500	0.5	0.2	
Thallium Total	ug/L	<0.500	0.5	0.2	
Tin Total	ug/L	<5.00	5.0	2.0	
Zinc Total	ug/L	<5.00	5.0	2.0	

Laboratory Fortified Matrix (2029035); Lab Fortified Matrix Duplicate (2029036); Original: Q2403554004

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Aluminum Total	ug/L	50.0	65.1	104.0	70 - 130	67.2	108.0	3.17	20	
Antimony Total	ug/L	50.0	57.0	114.0	70 - 130	57.3	115.0	0.525	20	
Arsenic Total	ug/L	50.0	54.7	107.0	70 - 130	55.0	108.0	0.547	20	
Barium Total	ug/L	50.0	71.5	111.0	70 - 130	71.7	111.0	0.279	20	
Beryllium Total	ug/L	50.0	54.8	110.0	70 - 130	54.2	108.0	1.1	20	
Cadmium Total	ug/L	50.0	52.5	105.0	70 - 130	53.3	107.0	1.51	20	
Chromium Total	ug/L	50.0	52.0	104.0	70 - 130	51.6	103.0	0.772	20	
Cobalt Total	ug/L	50.0	53.8	108.0	70 - 130	54.4	109.0	1.11	20	
Copper Total	ug/L	50.0	55.4	105.0	70 - 130	55.9	106.0	0.898	20	
Lead Total	ug/L	50.0	54.1	108.0	70 - 130	54.2	108.0	0.185	20	
Manganese Total	ug/L	50.0	77.1	109.0	70 - 130	78.2	111.0	1.42	20	
Molybdenum Total	ug/L	50.0	58.2	111.0	70 - 130	58.3	111.0	0.172	20	
Nickel Total	ug/L	50.0	55.6	106.0	70 - 130	56.2	107.0	1.07	20	
Selenium Total	ug/L	250.0	259.0	104.0	70 - 130	262.0	105.0	1.15	20	
Silver Total	ug/L	50.0	51.6	103.0	70 - 130	51.8	104.0	0.387	20	
Thallium Total	ug/L	50.0	55.3	111.0	70 - 130	55.0	110.0	0.544	20	
Tin Total	ug/L	100.0	99.6	99.6	70 - 130	99.2	99.2	0.402	20	
Zinc Total	ug/L	50.0	92.8	109.0	70 - 130	93.4	110.0	0.644	20	

Environmental Laboratory Services
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Fax (512)730-6021

Quality Control Results

QC Batch: MET/10196 **Analysis Method:** E200.8, Low Level
Preparation Method: E200.8, ICP-MS Prep Low Level
Associated Lab IDs: Q2403554001, Q2403554002, Q2403554003, Q2403554004, Q2403554005

Laboratory Fortified Blank (2029033); Lab Fortified Blank Duplicate (2029034)

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Aluminum Total	ug/L	50.0	52.5	105.0	85 - 115	51.7	103.0	1.54	20	
Antimony Total	ug/L	50.0	54.7	109.0	85 - 115	54.0	108.0	1.29	20	
Arsenic Total	ug/L	50.0	51.2	102.0	85 - 115	51.3	103.0	0.195	20	
Barium Total	ug/L	50.0	52.0	104.0	85 - 115	52.8	106.0	1.53	20	
Beryllium Total	ug/L	50.0	53.2	106.0	85 - 115	53.1	106.0	0.188	20	
Cadmium Total	ug/L	50.0	52.9	106.0	85 - 115	52.4	105.0	0.95	20	
Chromium Total	ug/L	50.0	50.0	100.0	85 - 115	50.3	101.0	0.598	20	
Cobalt Total	ug/L	50.0	53.0	106.0	85 - 115	52.9	106.0	0.189	20	
Copper Total	ug/L	50.0	51.7	103.0	85 - 115	51.6	103.0	0.194	20	
Lead Total	ug/L	50.0	51.9	104.0	85 - 115	52.4	105.0	0.959	20	
Manganese Total	ug/L	50.0	51.2	102.0	85 - 115	51.3	103.0	0.195	20	
Molybdenum Total	ug/L	50.0	52.5	105.0	85 - 115	52.1	104.0	0.765	20	
Nickel Total	ug/L	50.0	52.8	106.0	85 - 115	52.9	106.0	0.189	20	
Selenium Total	ug/L	250.0	255.0	102.0	85 - 115	254.0	102.0	0.393	20	
Silver Total	ug/L	50.0	51.8	104.0	85 - 115	51.5	103.0	0.581	20	
Thallium Total	ug/L	50.0	52.9	106.0	85 - 115	53.5	107.0	1.13	20	
Tin Total	ug/L	100.0	92.9	92.9	85 - 115	95.3	95.3	2.55	20	
Zinc Total	ug/L	50.0	53.7	107.0	85 - 115	52.7	105.0	1.88	20	

Laboratory Reagent Blank(2029032)

Parameter	Units	Results	MRL	LOD	Qualifier
Aluminum Total	ug/L	<2.50	2.5	0.8	
Antimony Total	ug/L	<5.00	5.0	1.5	
Arsenic Total	ug/L	<0.500	0.5	0.2	
Barium Total	ug/L	<3.00	3.0	1.0	
Beryllium Total	ug/L	<0.500	0.5	0.2	
Cadmium Total	ug/L	<1.00	1.0	0.3	
Chromium Total	ug/L	<3.00	3.0	1.0	
Cobalt Total	ug/L	<0.300	0.3	0.1	
Copper Total	ug/L	<2.00	2.0	0.8	
Lead Total	ug/L	<0.500	0.5	0.2	
Manganese Total	ug/L	<0.500	0.5	0.2	

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Quality Control Results

QC Batch: MET/10196 **Analysis Method:** E200.8, Low Level
Preparation Method: E200.8, ICP-MS Prep Low Level
Associated Lab IDs: Q2403554001, Q2403554002, Q2403554003, Q2403554004, Q2403554005

Parameter	Units	Results	MRL	LOD	Qualifier
Molybdenum Total	ug/L	<1.00	1.0	0.3	
Nickel Total	ug/L	<2.00	2.0	0.8	
Selenium Total	ug/L	<5.00	5.0	2.0	
Silver Total	ug/L	<0.500	0.5	0.2	
Thallium Total	ug/L	<0.500	0.5	0.2	
Tin Total	ug/L	<5.00	5.0	2.0	
Zinc Total	ug/L	<5.00	5.0	2.0	

Laboratory Fortified Matrix (2029035); Lab Fortified Matrix Duplicate (2029036); Original: Q2403554004

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Aluminum Total	ug/L	50.0	65.1	104.0	70 - 130	67.2	108.0	3.17	20	
Antimony Total	ug/L	50.0	57.0	114.0	70 - 130	57.3	115.0	0.525	20	
Arsenic Total	ug/L	50.0	54.7	107.0	70 - 130	55.0	108.0	0.547	20	
Barium Total	ug/L	50.0	71.5	111.0	70 - 130	71.7	111.0	0.279	20	
Beryllium Total	ug/L	50.0	54.8	110.0	70 - 130	54.2	108.0	1.1	20	
Cadmium Total	ug/L	50.0	52.5	105.0	70 - 130	53.3	107.0	1.51	20	
Chromium Total	ug/L	50.0	52.0	104.0	70 - 130	51.6	103.0	0.772	20	
Cobalt Total	ug/L	50.0	53.8	108.0	70 - 130	54.4	109.0	1.11	20	
Copper Total	ug/L	50.0	55.4	105.0	70 - 130	55.9	106.0	0.898	20	
Lead Total	ug/L	50.0	54.1	108.0	70 - 130	54.2	108.0	0.185	20	
Manganese Total	ug/L	50.0	77.1	109.0	70 - 130	78.2	111.0	1.42	20	
Molybdenum Total	ug/L	50.0	58.2	111.0	70 - 130	58.3	111.0	0.172	20	
Nickel Total	ug/L	50.0	55.6	106.0	70 - 130	56.2	107.0	1.07	20	
Selenium Total	ug/L	250.0	259.0	104.0	70 - 130	262.0	105.0	1.15	20	
Silver Total	ug/L	50.0	51.6	103.0	70 - 130	51.8	104.0	0.387	20	
Thallium Total	ug/L	50.0	55.3	111.0	70 - 130	55.0	110.0	0.544	20	
Tin Total	ug/L	100.0	99.6	99.6	70 - 130	99.2	99.2	0.402	20	
Zinc Total	ug/L	50.0	92.8	109.0	70 - 130	93.4	110.0	0.644	20	

Environmental Laboratory Services
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Fax (512)730-6021

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MET/10194 - E200.8, Low Level			
Q2403554001	50577501-D2 WALINF TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
Q2403554002	50577601-D2 SARINFA TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
Q2403554003	50577602-D2 SARINFC TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
Q2403554004	50593201-D2 WALEFF TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
Q2403554005	50593401-D2 SAREFF TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
MET/10196 - E200.8, Low Level			
Q2403554001	50577501-D2 WALINF TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
Q2403554002	50577601-D2 SARINFA TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
Q2403554003	50577602-D2 SARINFC TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
Q2403554004	50593201-D2 WALEFF TSP	MEP/13349	E200.8, ICP-MS Prep Low Level
Q2403554005	50593401-D2 SAREFF TSP	MEP/13349	E200.8, ICP-MS Prep Low Level

Environmental Laboratory Services
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02403554

LCRA ENVIRONMENTAL LABORATORY SERVICES (ELS)
CHAIN OF CUSTODY RECORD

NOTE: Relinquishing sample(s) to ELS obligates the submitter to all Standard Terms and Conditions stated on the back of this form.

Target Due Date:
Work Order No.:
COC No.:
Page 1 of 1

Results To: Shayne Cole, EAS Lab Services 7113 MLK Blvd. AUSTIN TX 78724 Sampled By: OPS

Bill To: Gabby Juarez, Lab Services 7113 MLK Blvd. AUSTIN TX 78724 PO No.: DO 220012012607060

Phone No.: 512-972-1415 Fax No.: Method of Transport: TAT Requested: RUSH Working days E-mail:

Relinquished By: SReyes Date: 1-29-24 Time: 1513 Received By: Date: 1-29-24 Time: 1513 Relinquished By: Date: 1-29-24 Time: 1544

Report Requirements: E-mail

Regulatory Requirements

Received at ELS By: S. Ortega Date: 1/29 Time: 15:44

___Received on Ice Temp: _____ °C

Login Review: _____ Date: _____

ELS Mgmt. Approval for RUSH:

Surcharge for RUSH: _____%

ELS ID:	SAMPLE DESCRIPTION Custody Seals (circle): Cooler Bottles None	MATRIX	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	CONTAINERS NUMBER	CONTAINERS SIZE	CONTAINERS TYPE	ANALYSIS REQUESTED - EPA* 200.8	EPA 200.7 Boron		EPA 1664A Oil & Grease	Preservatives	pH
	Project Name												
02403554-001	50577501-D2 WALINF TSP	WW	12/20/23	1200	1	500 mL	P	X				HNO3	
-002	50577601-D2 SARINFA TSP	WW	12/20/23	1200	1	500 mL	P	X				HNO3	
-003	50577602-D2 SARINFC TSP	WW	12/20/23	1200	1	500 mL	P	X				HNO3	
-004	50593201-D2 WALEFF TSP	WW	12/21/23	1200	1	500 mL	P	X				HNO3	
-005	50593401-D2 SAREFF TSP	WW	12/21/23	1200	1	500 mL	P	X				HNO3	

02403554
627614

Field Notes: *EPA 200.8 metals requested are: Ag Al As Ba Be Cd Co Cr Cu Mn Mo Ni Pb Sb Sn Se Tl Zn – 1 week tat requested.

Special Instructions:

White - ELS Pink - Customer http://els.lcra.org • 3505 Montopolis • Austin, Texas • 78744-1417 • (512) 356-6022 • Fax (512) 356-6021 • 1-800-776-5272, Ext. 6022 Form 1156 Rev. 7/08

End of Report

Francesca Findlay

From: Klein, Misty <Misty.Klein@austintexas.gov>
Sent: Monday, July 8, 2024 9:49 AM
To: Francesca Findlay
Cc: West, Tammy
Subject: RE: WQ0010543012 City of Austin
Attachments: 184524_wq0010543012-noripacketdraft1_Simplified Chinese.docx; 184524_wq0010543012-noripacketdraft1_Spanish.docx; 184524_wq0010543012-noripacketdraft1_Vietnamese.docx; wq0010543012-noripacketdraft1.docx

Good Morning Francesca,

Please find attached the Spanish, Vietnamese, and Simplified Chinese NORIs in Word documents. Could you please confirm that this completes the information required by the NOD?

Regards,

Misty Klein
Wastewater Regulatory Program Coordinator
Process Engineering & Regulatory Services Division
Austin Water | City of Austin
Office: 512-972-0249
Cell: 903-517-4747

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Monday, July 1, 2024 3:33 PM
To: Klein, Misty <Misty.Klein@austintexas.gov>
Cc: West, Tammy <Tammy.Yates.West@austintexas.gov>
Subject: FW: WQ0010543012 City of Austin

Good afternoon,

I have attached the completed nori packet draft. Please let me know if you have any questions.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality

Please consider whether it is necessary to print this e-mail

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

From: Klein, Misty <Misty.Klein@austintexas.gov>
Sent: Monday, July 1, 2024 12:53 PM
To: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Cc: West, Tammy <Tammy.Yates.West@austintexas.gov>
Subject: RE: WQ0010543012 City of Austin

Good afternoon,

To move forward with translation for Spanish, simplified Chinese, and Vietnamese, we must have the full English NORI to provide to translation services as they must translate the entire document. We used the NORI portion and the template provided by TCEQ to complete the attached draft English NORI for your review and approval. Since the NORI is a TCEQ document, we are requesting TCEQ approval of this document before paying for translation. Once approved, we will proceed with obtaining translation services. We used a recent NORI for a different AW WWTP to complete the Vietnamese and Simplified Chinese links.

Regards,

Misty Klein
Wastewater Regulatory Program Coordinator
Process Engineering & Regulatory Services Division
Austin Water | City of Austin
Office: 512-972-0249
Cell: 903-517-4747

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Friday, June 28, 2024 2:26 PM
To: Klein, Misty <Misty.Klein@austintexas.gov>
Subject: RE: WQ0010543012 City of Austin

External Email - Exercise Caution

Good afternoon,

I have attached the templates for the translation. I don't send the completed NORI until it is administered complete. Please let me know if you have any questions.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality

From: Klein, Misty <Misty.Klein@austintexas.gov>
Sent: Friday, June 28, 2024 12:16 PM
To: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Cc: West, Tammy <Tammy.Yates.West@austintexas.gov>; Loera, Taylor <Taylor.Loera@austintexas.gov>
Subject: RE: WQ0010543012 City of Austin

No problem, thanks for the updates. Please provide the full English NORI so that we may move forward with translation services for Spanish, simplified Chinese, and Vietnamese.

Regards,

Misty Klein
Wastewater Regulatory Program Coordinator
Process Engineering & Regulatory Services Division
Austin Water | City of Austin
Office: 512-972-0249
Cell: 903-517-4747

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Friday, June 28, 2024 12:05 PM
To: Klein, Misty <Misty.Klein@austintexas.gov>
Cc: West, Tammy <Tammy.Yates.West@austintexas.gov>; Loera, Taylor <Taylor.Loera@austintexas.gov>
Subject: RE: WQ0010543012 City of Austin

Good afternoon,

Sorry about that. Here you go. I had corrected the document, but didn't save it.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality

From: Klein, Misty <Misty.Klein@austintexas.gov>
Sent: Friday, June 28, 2024 11:55 AM
To: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Cc: West, Tammy <Tammy.Yates.West@austintexas.gov>; Loera, Taylor <Taylor.Loera@austintexas.gov>
Subject: Re: WQ0010543012 City of Austin

Hi Francesca,

It looks like the same NORI portion errors mentioned in our last email are also in the attached document.

We need the final full English NORI to move forward with translations. We pay for translation services and must provide them with the final full English NORI for translation.

Get Outlook for iOS

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Friday, June 28, 2024 11:40 AM
To: Klein, Misty <Misty.Klein@austintexas.gov>
Cc: West, Tammy <Tammy.Yates.West@austintexas.gov>; Loera, Taylor <Taylor.Loera@austintexas.gov>
Subject: RE: WQ0010543012 City of Austin

External Email - Exercise Caution

Good afternoon,

I have attached the corrected Nori. Please provide the alternative language documents with the corrected information.

Thank you,

Francesca Findlay
License & Permit Specialist

ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality

From: Klein, Misty <Misty.Klein@austintexas.gov>
Sent: Tuesday, June 25, 2024 7:41 AM
To: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Cc: West, Tammy <Tammy.Yates.West@austintexas.gov>; Loera, Taylor <Taylor.Loera@austintexas.gov>
Subject: RE: WQ0010543012 City of Austin

Good Morning Francesca,

In response to the Notice of Deficiency Letter:

1. There are a few errors in the NORI portion.
    a. The facility address should be “1017 Fallwell Lane”.
    b. The “o” is missing at the end of Colorado River.
2. Please provide the complete draft English NORI so that we may move forward with sending the complete document to our Translation Services for translation into Spanish, simplified Chinese, and Vietnamese.

Regards,

Misty Klein
Wastewater Regulatory Program Coordinator
Process Engineering & Regulatory Services Division
Austin Water | City of Austin
Office: 512-972-0249
Cell: 903-517-4747

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Monday, June 24, 2024 2:02 PM
To: West, Tammy <Tammy.Yates.West@austintexas.gov>
Cc: Benyamin, Ayman <Ayman.Benyamin@austintexas.gov>
Subject: FW: WQ0010543012 City of Austin

Dear Ms. West:

The attached Notice of Deficiency letter sent on June 24, 2024, requesting additional information needed to declare the application administratively complete. Please send the complete response to my attention July 8, 2024.

Thank you,

Fran Findlay

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality

CAUTION: This is an EXTERNAL email. Please use caution when clicking links or opening attachments. If you believe this to be a malicious or phishing email, please report it using the "Report Message" button in Outlook. For any additional questions or concerns, contact CSIRT at "cybersecurity@austintexas.gov".

CAUTION: This is an EXTERNAL email. Please use caution when clicking links or opening attachments. If you believe this to be a malicious or phishing email, please report it using the "Report Message" button in Outlook.
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Message" button in Outlook.
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Francesca Findlay

From: Klein, Misty <Misty.Klein@austintexas.gov>
Sent: Tuesday, June 25, 2024 7:41 AM
To: Francesca Findlay
Cc: West, Tammy; Loera, Taylor
Subject: RE: WQ0010543012 City of Austin

Follow Up Flag: Follow up
Flag Status: Flagged

Good Morning Francesca,

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Regards,

Misty Klein
Wastewater Regulatory Program Coordinator
Process Engineering & Regulatory Services Division
Austin Water | City of Austin
Office: 512-972-0249
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Sent: Monday, June 24, 2024 2:02 PM
To: West, Tammy <Tammy.Yates.West@austintexas.gov>
Cc: Benyamin, Ayman <Ayman.Benyamin@austintexas.gov>
Subject: FW: WQ0010543012 City of Austin

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Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
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