REVIEWED
By Mike Buchanan at 9:55 am, Jun 07, 2024

TRANSWESTERN PIPELINE COMPANY
An ENERGY TRANSFER Company

March 30, 2023

Mr. Rick Shean, Bureau Chief
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505

Review of the Submittal of the 2022 Groundwater Remediation Activities for the Former Surface Impoundments Annual Report: Content Satisfactory
1. Annual report has been accepted for the record.
2. Please include the results from the LNAPL transmissivity and LNAPL residual saturation in the next annual report if it hasn't been reported in the 2023 Annual Report.
3. Gauging of wells may be transitioned to a semi-annual schedule from monthly.
4. Include volume amounts for LNAPL recovered at the site in subsequent reports as previously conveyed.
5. Continue schedule for remediation and recovery efforts as well as conducting groundwater sampling events on a semi-annual basis.
6 Submit the 2023 and 2024 Annual Reports by April 1, 2025.

RE: Submittal of 2022 Groundwater Remediation Activities
For the Former Surface Impoundments Annual Report
Roswell Compressor Station No. 9
Transwestern Pipeline Company, LLC
Roswell, Chavez County, New Mexico
NMOCD Case #GW-052/EPA ID NO. NMD986676955

Dear Mr. Shean:

In general accordance with *Section IX – Reporting Requirements* of the March 2013 *Stipulated Final Order* for Transwestern Pipeline Company, LLC's (Transwestern) Roswell Compressor Station No. 9 (Site), attached for your review is the *2022 Groundwater Remediation Activities for the Former Surface Impoundments Annual Report* for the site.

If you have any questions or comments regarding this submission, please do not hesitate to contact me at 210.870.2725 (office) or Steve Diamond of WSP-USA, Inc. at 770-973-2100, ext. 2876.

Sincerely,

SBoultinghouse

Stacy Boultinghouse, PG(TX4889/LA73)
Environmental Manager
Transwestern Pipeline Company, LLC
Stacy.Boultinghouse@energytransfer.com

Attachment: 2022 Groundwater Remediation Activities for the Former Surface Impoundments Annual Report – (two hard copies and one electronic copy)

ec: D. Cobrain, NMED HWB
M. Suzuki, NMED HWB
Mr. M. Bratcher, NMOCD
B. Billings, NMOCD
L. King, USEPA Region 6
JD Haines, EarthCon
S. Diamond, EarthCon

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
FORMER SURFACE IMPOUNDMENTS
TRANSWESTERN COMPRESSOR STATION NO. 9
(ROSWELL COMPRESSOR STATION)
6381 NORTH MAIN STREET
ROSWELL, CHAVES COUNTY, NEW MEXICO
NMOCD GW-052
NMED 1656; EPA ID NMD986676955

PREPARED FOR:

TRANSWESTERN PIPELINE COMPANY, LLC
1300 MAIN
HOUSTON, TEXAS 77002

PREPARED BY:

WSP USA, INC.
1880 WEST OAK PARKWAY, SUITE 106
MARIETTA, GA 30062

March 2023

Report of 2022 Groundwater Remediation Activities
Former Surface Impoundments
Transwestern Compressor Station No. 9
(Roswell Compressor Station)
6381 North Main Street
Roswell, Chaves County, New Mexico
NMOCD GW-052
NMED 1656; EPA ID NMD986676955

Prepared For:

Transwestern Pipeline Company, LLC
1300 Main
Houston, TX 77002

March 2023

WSP USA, Inc. (formally EarthCon Consultants, Inc.) is submitting to Transwestern Pipeline Company, LLC (Transwestern) this *Report of 2022 Groundwater Remediation Activities* for the Roswell Compressor Station in Roswell, Chaves County, New Mexico. This report has been prepared for the exclusive use of and reliance by Transwestern and may not be relied upon by any other person or entity without the express written authorization of WSP USA.

Any reliance, use, or re-use of this document (or the opinions, findings, conclusions, or recommendations if any represented herein), by parties other than those expressly authorized by WSP USA is at the sole risk of those parties. This report was prepared by or performed under the direction of the WSP USA Professionals listed below and approved by Transwestern.

Signed:

Jeffrey Dennis
Senior Environmental Consultant
WSP USA, Inc.

Steve Diamond, PE (AL, GA, LA, MO, SC, MI)
Senior Engineer
WSP USA, Inc.

J.D. Haines, LPG (IN)
Principal Geologist
WSP USA, Inc.

Date: March 30, 2023

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Former Surface Impoundments
Transwestern Compressor Station No. 9
(Roswell Compressor Station)
6381 North Main Street
Roswell, Chaves County, New Mexico
NMOCD GW-052
NMED 1656; EPA ID NMD986676955

Prepared For:

Transwestern Pipeline Company, LLC
1300 Main
Houston, TX 77002

March 2023
Certification Statement
40 CFR 270.11(d)(1)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to 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 that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

3/30/2023

Stacy Boultinghouse, PG (TX, LA) Date
Environmental Manager
Transwestern Pipeline Company, LLC

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EXECUTIVE SUMMARY

This *Report of 2022 Groundwater Remediation Activities* was prepared by WSP, Inc. (formerly EarthCon Consultants, Inc.) on behalf of Transwestern Pipeline Company, LLC (Transwestern) for the Former Surface Impoundments at the Transwestern Compressor Station No. 9 (also known as the Roswell Compressor Station) property located at 6381 North Main Street in Roswell, New Mexico. On March 13, 2013, the New Mexico Environment Department (NMED) issued a Stipulated Final Order (SFO) that governs activities associated with the Former Surface Impoundments. The purpose of the SFO, as stated in *Section III.A*, are 1) to ensure the continuance of ongoing remediation of contaminated soils and groundwater in the vicinity of the former surface impoundments to levels protective of human health or the environment in order to complete clean closure of the interim status units; and 2) to prevent or mitigate the migration of hazardous constituents at or from the Facility. As per *Section III.O* of the SFO, investigations, remediation, and other work that has been satisfactorily completed prior to the effective date of this Order, and that fulfills the substantive requirements of this Order, may be used to comply with this Order. Based on past investigations and the implementation of the corrective action plan, the groundwater treatment system continues to effectively control the migration of the PSH plume and continues to recover PSH and dissolved-phase hydrocarbons. Transwestern has fully complied with SFO objectives and has taken numerous actions so that soils and groundwater at the former surface impoundments will not adversely impact human health or the environment. This annual groundwater report was developed in general accordance with *Section IX.D – Reporting Requirements* of the SFO.

The former surface impoundments were historically used to store waste hydrocarbons, including pipeline condensate, pigging wastes, spent solvents, and other wastes and debris from pipeline maintenance activities conducted at the Roswell Compressor Station. The wastes were removed from the former surface impoundments and the area was backfilled with clean soil in 2001. A soil and groundwater remediation system were subsequently designed and installed to address dissolved-phase and phase separated hydrocarbons (PSH) detected in groundwater.

The remediation system in operation at the Roswell Compressor Station uses multiphase extraction (MPE) technology consisting of a soil vapor extraction (SVE) treatment unit and a groundwater/PSH recovery and treatment unit. The recovery well network currently consists of 12 SVE-only wells and 35 MPE wells. A combination of monitoring, SVE, and RW wells are used

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for monitoring groundwater conditions in the Perched Aquifer, Upper Aquifer and the deeper San Andres Formation Aquifer within the Project Area. Twenty-nine wells are installed in the Upper Aquifer, and one well is installed in the deeper San Andres Formation Aquifer (MW-24D). Eleven of the 12 SVE wells and one recovery well (RW-1) intersect the perched aquifer zone that exists within the Upper Aquifer.

During 2022, all SVE wells were utilized for treatment but only one SVE treatment unit was operational. In August 2021, the East Baker unit showed signs of severe material deterioration and was deemed unsafe and unrepairable for operation. The West Baker Unit continued operation. Prior to the new thermal oxidizer being designed and requisitioned for the replacement of East Baker Unit, a new air permit was required. The new permit was issued on October 13, 2022. Soon after the permit issuance, the new oxidizer unit was ordered and is planned to be replaced in 2023.

In January 2022, Transwestern completed the installation of heating elements to increase the uptime of the groundwater treatment system (GWTS). A comparison of the downtime for freezing conditions between winter months of 2021 and winter months of 2022 was conducted for this report. In 2021, the GWTS was down for 47 days to winterization and extreme freezing conditions for multiple days. In 2022, the GWTS was down for 12 days due to extreme freezing conditions for multiple days. The data showed an overall increase of 35 days of uptime, equating to approximately an 43.5% increase in uptime for the winter months of 2022. The data used for this comparison can be seen in **Table 4-8.**

The remediation system recovered approximately 1,023 pounds of vapor-phase hydrocarbons (or approximately 161 equivalent gallons) in 2022 during SVE system operation. The groundwater/PSH recovery system treated and discharged approximately 94,300 gallons of groundwater, removed approximately 4.3 pounds (approximately 0.674 equivalent gallons) of dissolved-phase hydrocarbons and recovered approximately 470 gallons (2,975 pounds) of PSH. A total of approximately 4,002 pounds of hydrocarbons were removed by the system in 2022. This compares to a total of approximately 4,152 pounds of hydrocarbons removed in 2021 (1,980 pounds of vapor-phase hydrocarbons, 342 gallons (2,166 pounds) of PSH, and 5.64 pounds of dissolved phase hydrocarbons). Removal rates for the last seven years of operation are included below in **ES.1**. and **ES.2** as a comparison.

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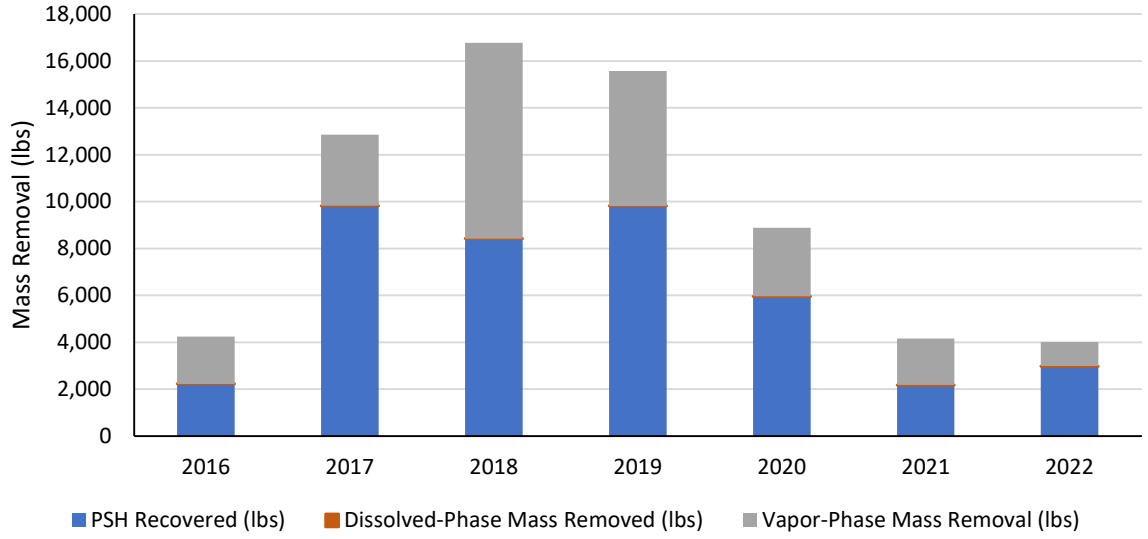
ES.1 Historical Hydrocarbon Removal Summary

Year	Extracted Groundwater (gals)	PSH Recovered (gal)	PSH Recovered (lbs)	Dissolved-Phase Mass Removed (lbs)	Vapor-Phase Mass Removal (lbs)
2016	137,650	350	2,216	5.35	2,026
2017	90,550	1,550	9,812	8.60	3,038
2018	41,420	1,330	8,419	3.12	8,356
2019	24,080	1,550	9,812	2.58	5,760
2020	97,400	940	5,950	8.07	2,918
2021	144,900	342	2,166	5.75	1,980
2022	94,300	470	2,975	4.27	1,023

ES.2 - Historical Hydrocarbon Removal Summary



While the groundwater/PSH recovery portion of the remediation system was operational, water samples were collected from four locations in the treatment process to assess treatment efficiency and compliance with discharge requirements. Additionally, semi-annual groundwater sampling was conducted in May 2022 and November 2022 to assess groundwater conditions.

Consistent with historical data, the May and November 2022 groundwater elevation data indicated groundwater flow in the Upper Aquifer was to the north/northeast on the northern portion of the Project Area and to the southeast on the southern portion of the Project Area.

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The divide in the hydraulic gradient is located near the northeast corner of the Facility, indicating the presence of a complex water-bearing unit with areas of preferential flow.

During the 2022 semi-annual groundwater sampling events, PSH was present in groundwater monitoring wells, SVE wells, and MPE wells located in the vicinity of the former surface impoundments. Dissolved benzene, 1,1-DCE and 1,4-dioxane were detected in groundwater at concentrations exceeding the applicable cleanup levels during the sampling events. It appears the benzene exceeding the GCLs is closely associated with observable PSH. Samples from MW-20, MW-22, MW-26, MW-39, MW-40, MW-41, MW-42, SVE-28, SVE-30, and RW-1 were also analyzed for 1,4-dioxane in May 2022 and all wells sampled in November 2022, MW-29 and MW-34 were above the GCL for 1,4-dioxane in November 2022, all other detections were below the GCLs for May and November 2022. The data indicates delineation of PSH and dissolved constituents of concern to applicable New Mexico Water Quality Control Commission's (NMWQCC) standards and the EPA Maximum Contaminant Levels (MCLs) was maintained within the existing monitoring network.

Based on the groundwater remediation activities completed in 2022, Transwestern recommends continued operation of the remediation system in 2023 to recover PSH and reduce dissolved-phase hydrocarbons, continued semi-annual groundwater monitoring, and continued monitoring of the effluent from the SVE system and discharge from the groundwater treatment system. Transwestern also recommends further investigation for the transition into a pulse pumping treatment regimen to more effectively capture PSH from the groundwater treatment system.

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APPENDICES

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1.0 INTRODUCTION

This *Report of 2022 Groundwater Remediation Activities* was prepared by WSP USA, Inc. (former EarthCon Consultants, Inc.) on behalf of Transwestern Pipeline Company, LLC (Transwestern) to document on-going corrective actions associated with the Former Surface Impoundments at the Transwestern Compressor Station No. 9 (also known as the Roswell Compressor Station) property, located at 6381 North Main Street in Roswell, New Mexico (the "Site").

The Site consists of the Roswell Compressor Station and the area undergoing corrective action (the "Project Area") (**Figure 1-1** and **Figure 1-2**). On March 13, 2013, the New Mexico Environment Department (NMED) issued a Stipulated Final Order (SFO) that governs environmental activities conducted within the Project Area. This report was developed in general accordance with *Section IX.D – Reporting Requirements* of the SFO.

The Facility is an active natural gas compressor station, owned and operated by Transwestern, located approximately 8 miles north of the city center of Roswell, New Mexico along the eastern side of U.S. Highway 285. The Facility occupies approximately 77 acres of land in Section 21 (SW¼ of the SW¼) and Section 28 (NW¼ of the NW¼) of Township 9S and Range 24E, Chaves County, New Mexico (**Figure 1-1**). Access is via U.S. Highway 285, and the entire Facility is secured by a chain-link fence with locked gates.

The Project Area encompasses a portion of the northeast corner of the Facility and a portion of a 40-acre easement of land to the northeast, leased from the New Mexico State Land Office (SLO) State Trust Land for remediation and monitoring purposes (**Figure 1-2**). There are no adjacent structures on either the Facility or the State Land other than those associated with the remediation system. Most of the off-site extraction and monitoring wells are located within a fenced perimeter.

The Facility is located along the Transwestern natural gas pipeline that extends from Texas to the Arizona/California border and serves as the district office for Transwestern's New Mexico operations. The compressor station services two 30-inch main lines and two 24-inch lateral pipelines. The primary function of the compressor station is to boost the pressure of the natural gas stream by means of compressors powered by natural gas-fueled internal combustion engines. Additionally, the Facility conducts gas transmission pipeline maintenance operations that generate waste hydrocarbons, including pipeline condensate, pigging wastes, spent solvents, and other wastes and debris, which were historically discharged to the former surface impoundments (also referred to as

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Pits 1 and 2). Currently, wastes generated as a result of operations are transported offsite for disposal in accordance with all local, state, and federal requirements.

The historic wastes were removed from the former surface impoundments and the excavations were lined with a polyethylene liner and backfilled with clean soil in 2001. A soil and groundwater remediation system were subsequently designed and installed to address dissolved and phase separated hydrocarbons (PSH) detected in groundwater in 2002/2003. The soil vapor extraction (SVE) portion of the system began operation in March 2003, and the groundwater/PSH recovery portion of the system began operation April 2004.

The remediation system consists of SVE blowers with a treatment unit, a groundwater/PSH recovery and treatment unit, and a network of 9 active SVE-only wells and 35 multi-phase extraction (MPE) wells (**Figures 1-3** and **1-4**). Three additional SVE wells (SVE-1A, 2A, and 3) are inactive at the Site. Vapor-phase hydrocarbons are extracted via SVE-only wells and MPE wells and routed to two Baker Furnace thermal oxidizer units for treatment. Groundwater and PSH are recovered by pneumatic pumps installed in the MPE recovery wells. The recovered fluids are conveyed to a 210-barrel aboveground storage tank that serves as a surge tank and separation unit for PSH and groundwater. Separated groundwater is conveyed to a treatment train consisting of an air stripper followed by a particulate filter vessel and two additional liquid-phase granulated activated carbon (GAC) units in series. The treated water is then conveyed to an irrigation water tank for dispersal via an irrigation system. PSH separated in the surge tank is removed by a vacuum truck and sent to a permitted off-site disposal facility periodically. The vapor stream from the air strippers is treated via two vapor-phase GAC units followed by discharge to the atmosphere.

Typically, the SVE portion of the system operates year-round, and groundwater/PSH recovery occurs from spring to fall, with brief shutdowns for repair and maintenance. Thermal insulation was completed on the groundwater/PSH recovery system in January 2022 to mitigate freezing temperature concerns and increase system overall uptime during the winter months. For the 2022 reporting year, SVE system operated year-round using the West Baker Unit because the East Baker unit was damaged beyond repair resulting in the unit requiring replacement. The groundwater/PSH recovery was operational from February to December 2022, except for extended periods of severe freezing temperatures, required maintenance, and semi-annual sampling events.

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Currently, a network of 30 monitoring wells (29 installed in the Upper Aquifer and one installed in the deeper regional San Andres Formation Aquifer) is used to assess groundwater conditions within the Project Area.

This report documents groundwater remediation and monitoring activities conducted at the Project Area during year 2022. Field activities were conducted by CMB Environmental & Geologic Services, Inc. (CMB) of Roswell, New Mexico.

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2.0 SCOPE OF ACTIVITIES

The activities performed at the Site during 2022 include the following and are summarized below:

- Semi-annual groundwater monitoring
- Remediation system operation, maintenance, and monitoring
- Pulse pumping pilot study for select MPE wells
- Manual bailing of SVE wells
- Routine maintenance

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3.0 SEMI-ANNUAL GROUNDWATER MONITORING

Semi-annual groundwater sampling to assess groundwater conditions was conducted in May 2022 and November 2022 by CMB in general accordance with the SFO. The groundwater monitoring network at the Site consists of 30 monitoring wells, of which 25 are included within the monitoring plan and the remaining wells are used for gauging. Groundwater samples were attempted to be collected from 19 of these monitoring wells during the May 2022 sampling event and from 25 of these monitoring wells during the November 2022 sampling event, in general accordance with the approved *Sampling and Analysis Plan* (SAP) presented in **Table 3-1**. A modification to the sampling plan was enacted where all wells were sampled in the November 2022 sampling event.[1]

Prior to commencing semi-annual groundwater gauging and sampling, the remediation system (groundwater extraction and soil vapor extraction) was manually deactivated for a period of 48 to 72 hours. Depth to PSH, if present, and depth to groundwater was measured in each monitoring well and MPE well using an interface probe, which consists of an optical sensor probe capable of distinguishing between PSH and groundwater. Apparent PSH thickness and water levels were recorded to the nearest 0.01-foot and the data is presented in **Table 3-2**.

Prior to sampling, the selected monitoring wells were purged and monitored for stabilization of water quality parameters, including pH, specific conductance, dissolved oxygen (DO), oxidation-reduction potential (ORP), and temperature using a calibrated YSI Meter, in accordance with US EPA Sampling and Analysis Plan Guidance and Template Version 4, dated May 2014. Stable water quality parameter (temperature, pH, and specific conductance) measurements indicate representative sampling is obtainable. Water quality is considered stable if for three consecutive readings:

- temperature range is no more than +1C;
- pH varies by no more than 0.2 pH units;
- specific conductance readings are within 10% of the average.

Field parameters recorded from the May 2022, and November 2022 sampling events are presented in **Table 3-3**. Historical field parameters prior to the 2022 sampling events are included

[1] In response to Comment 11 in NMED correspondence (HWB-TWP-22-001) dated May 10, 2022.

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in **Table 3-4**. During the May and November 2022 sampling events, stabilization criteria was met for all wells. As per EPA Region 4 SESD Operating Procedure, an adequate purge is normally achieved when three to five well volumes have been purged. At least three purge volumes (and up to a total of five well volumes) were used if necessary to achieve parameter stability.

A combination of disposable bailers and bladder pumps with dedicated tubing was used to purge and collect groundwater samples from selected monitoring wells. The groundwater samples collected during the semi-annual sampling event were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) via EPA Method 8260C, for Volatile Organic Compounds (VOCs) via EPA Method 8260C, and for 1,4-dioxane via EPA Method 8270D in accordance with the SAP. Laboratory analytical methods were modified from the 2021 sampling events in order to lower reporting limits to ensure that all analytes reporting limits were lower than the corresponding GCLs.[2] Quality control samples including groundwater sample duplicates, field blanks, equipment blanks, and trip blanks were collected during the semi-annual sampling events. Purged groundwater and equipment decontamination water were collected in a dedicated 55-gallon drum during sampling and then transferred to the surge tank for on-site treatment and disposal as described in Section 1.0. Copies of the field documentation are included in **Appendix A**.

3.1 Groundwater Monitoring Regulatory Criteria

Groundwater cleanup levels (GCLs) were identified for evaluating analytical data for groundwater samples collected during the semi-annual sampling events, in accordance with Section VI.A. of the March 2013 SFO for the Site. The GCLs selected were obtained from the Risk Assessment Guidance for Site Investigations from November 2021.[3] The GCLs shown in **Table 3-5** were identified as described in the following paragraphs.

The target constituents-of-concern (COCs) required to be sampled per the approved 2022 SAP for the Project Area include BTEX and 1,4-Dioxane for the May 2022 sampling event and VOC's and 1,4-dioxane for the November 2022 sampling event. The GCLs for the target COCs were identified using the NMWQCC standards Human Health Standard (HHS) described in NMAC 20.6.2, as well as the EPA MCLs for drinking water contaminants. If both a NMWQCC standard and a MCL have been established for an individual substance, then the lower of the two levels is used as the GCL for that COC. If neither a NMWQCC standard nor a MCL has been established

[2] In response to Comment 7 in NMED correspondence (HWB-TWP-22-001) dated May 10, 2022.
[3] In response to Comment 4 in NMED correspondence (HWB-TWP-22-001) dated May 10, 2022.

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for a COC, then the cleanup level is identified as the screening level for tap water in Table A-1 of the 2022 NMED Risk Assessment Guidance for Site Investigation and Remediation, or the EPA Region 6 Screening Levels for tap water. Transwestern is aware that 1,1-Dichlorethane reporting limits of 1.0 µg/L for 2022 are above the GCL level of 0.05 µg/L and is working with the laboratory to determine a method to lower the reporting limit of the analytical method moving forward.

The Project Area has been in active remediation since 2001 and the remediation system formerly operated under NMOCD's formal Discharge Permit GW-052. The NMOCD determined that the Discharge Permit is not necessary for the Site, and it is more practical to regulate the Site under a *Stage 2 Abatement Plan* (AP). In December 2015, the Discharge Permit for the Site was allowed to expire. A Stage 2 AP for the Site was submitted to the NMOCD and was approved on March 14, 2016. As of 2022, the NMOCD currently refers to the site with site/incident ID number nAUTOFCS000708.

3.2 Groundwater Monitoring & Chemical Analytical Data Results

The water bearing unit at the Site has been reported as a perched aquifer within the area of the former surface impoundments, an upper aquifer within which most of the monitoring and remedial activities take place, and the deeper San Andres Formation Aquifer. Well locations are illustrated in **Figure 3-1** and a summary of well construction information is provided in **Table 3-6**.

Groundwater elevations shown in **Table 3-2** were calculated using the May and November 2022 groundwater elevation data collected from the Site groundwater monitoring wells and top-of-casing data from a survey conducted by PR Patton & Associates in October 2013.

3.2.1 Perched Aquifer

Based on current data and historical information dating back to 1991, a perched aquifer appears to intersect wells SVE-23, SVE-25, SVE-27, SVE-28, SVE-31, and RW-1. Per the March 1, 2022 NMED correspondence, a work plan was provided to the NMED by Transwestern for delineating the horizontal and vertical extent of the dissolved-phase hydrocarbons and PSH plumes in September 2022. Once NMED has approved of the work plan, the process of delineating the extent of dissolved-phase hydrocarbons and PSH plumes in the Perched Aquifer will begin. Due to the low number of data points, a potentiometric surface map for the Perched Aquifer was unable to be provided. The groundwater surface elevations maps for the Perched Aquifer are presented in **Figures 3-2a** and **3-2b.**

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3.2.2 Upper Aquifer

The potentiometric surface maps for the Upper Aquifer, presented in **Figures 3-3a** and **3-3b,** indicate that groundwater flows generally to the north on the northern portion of the Project Area and to the southeast on the southern portion of the Project Area. The divide in the hydraulic gradient is located near the northeast corner of the Facility, indicating the presence of a complex water-bearing unit with areas of preferential flow.

Based on the groundwater elevation data, the hydraulic gradient for the northern component of groundwater flow, between monitoring wells MW-12 and MW-40, was 0.017 ft/ft during the May 2022 sampling event and 0.019 ft/ft during the November 2022 sampling event, which appears to be consistent with historical data. The hydraulic gradient for the southeastern component of groundwater flow, between monitoring wells MW-16 and MW-35, was 0.006 ft/ft during the May 2022 sampling event and 0.006 ft/ft during the November 2022 sampling event, which appears to be consistent with historical data.

A review of historical groundwater elevation data for the Site monitoring wells (**Table 3-2**) indicates the Upper Aquifer within the Project Area has experienced an average decrease in groundwater level elevation of 0.70 foot between October 2009 and November 2022.

3.2.3 Deeper San Andres Formation Aquifer

The groundwater elevation in MW-24D, installed in the deeper regional San Andres Formation Aquifer, decreased by 7.80 feet between 2009 and 2022.

3.3 PSH Thickness

Groundwater gauging data collected from site monitoring and recovery wells during the May 2022 sampling event indicates that the average PSH thickness was 0.68 feet, with a maximum of 4.80 feet measured in MPE-16. Groundwater gauging data collected from Site monitoring and recovery wells during the November 2022 sampling event indicates that the average apparent PSH thickness was 0.51 feet, with the maximum thickness of 2.70 feet measured in MPE-14. Historically, 18 wells have contained PSH at one point. As of 2022, fourteen wells (MW-1B, MW-16, MPE-10, MPE-12, MPE-14, MPE-16, MPE-17, MPE-31, MPE-34, MPE-38, MPE-40, MPE-41, SVE-23, and RW-1) contain PSH. The first occurrence of any PSH in MPE-34 and RW-1 was observed in 2022. Further evaluation of the PSH presence in RW-1 and MPE-34 will be conducted

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in 2023. Historical correlation graphs have been developed between depth to water and PSH and are presented in **Appendix E**.

3.3.1 Perched Aquifer

On May 14, 2022 and November 8, 2022, liquid levels were measured in shallow wells using an optical interface probe to determine the presence and apparent thickness of PSH. According to liquid levels, the apparent PSH thickness ranged between 0.59 feet and 0.01 feet in SVE-23 in May and November 2022, respectively. Historically, the PSH thicknesses observed in SVE-23 appears to be positively correlated with depth to water, prior to bailing activities commencing in March 2022. Based on monthly water and PSH levels collected in 2022 and presented in **Table 3-2**, the PSH thickness in SVE-23 appears to increase as groundwater levels decrease in the well. Gauging was conducted every month in 2022 and the data is presented in **Table 3-2**. Distribution of PSH apparent thickness is presented in **Figures 3-4a** and **3-4b**. In addition, once approval of the work plan submitted to NMED in September 2022 is obtained, the delineation of the horizontal and vertical extent of the PSH plume in the perched aquifer will be conducted. A report detailing the results of this study will be included in the 2023 Annual Report of Groundwater Remediation Activities.

In 2022, manual bailing was to be conducted on SVE-22, SVE-23 and SVE-25. However, SVE-22 and SVE-25 were dry during gauging events. Bailing of SVE-23 began in March 2022 and was conducted on a monthly basis. Further PSH monitoring and recovery via bailing will continue in 2023 for SVE-23 and other SVE wells with PSH detections. Further discussion of these findings is in **Section 4.0**.

3.3.2 Upper Aquifer

The areal extent of PSH in the Upper Aquifer, as measured during the May and November 2022 semi-annual sampling events, remains delineated within the project area and appears consistent with 2021 data (**Figures 3-5a** and **3-5b**). Due to recovery efforts, PSH thicknesses have decreased or have remained absent in certain wells (MW-12, MW-27, MPE-13, MPE-21, MPE-23, MPE-24, MPE-26, MPE-27, MPE-28, and MPE-31) despite fluctuations in the water table. However, PSH thicknesses have remained persistent in MW-1B, MW-16, MPE-10, MPE-12, MPE-14, MPE-16, MPE-20, MPE-32, MPE-38, MPE-40, and MPE-41. One well, MPE-17, showed a rebound of PSH in the well. MPE-17 had previously showed no presence of PSH for the majority

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of 2021, this however is consistent with historical data from this well which goes through cycles of PSH presence seemingly attributed to the water table. When the water table is above 3542 ft PSH begins to be introduced to the well. Current and historical groundwater gauging data is presented in **Table 3-2**.

3.3.3 Deeper San Andres Formation Aquifer

PSH has not been observed in the deep aquifer.

3.4 Groundwater Analytical Results

Groundwater samples were collected and analyzed for BTEX by EPA method 8260 or for VOCs via EPA Method 8260B, and 1,4-dioxane was analyzed by EPA method 8270SIM in accordance with the SAP. The analytical results for groundwater samples collected during the May and November 2022 sampling events are summarized in **Table 3-5** and **Table 3-5a** and the laboratory analytical reports are included in **Appendix B**. Due to the well being dry, no sample was collected from SVE-31 in May 2022 and from MW-10, MW-11, MW-17, SVE-30, and SVE-31 in November 2022. Due to PSH detections, a groundwater sample was not collected from MW-16 in May 2022 and MW-16 and RW-1 in November 2022.

3.4.1 Perched Aquifer

In the Perched Aquifer, BTEX was detected above reporting limits in wells SVE-28, SVE-30, and RW-1. However, benzene was the only BTEX constituent in these wells that exceeded GCLs. The wells with benzene detections above the GCL were SVE-28, SVE-30, and RW-1 in May 2022 with concentrations of 2.7 µg/L, 6.5 µg/L, and 9.9 µg/L, respectively. In November 2022, only SVE-28 had detections with a benzene concentration of 3.7 µg/L which is above the GCL. Naphthalene was detected in SVE-28, SVE-30 and RW-1 in May of 2022 but was below the GCL. No additional VOCs were detected above the reporting limits in any of the perched aquifer wells in May or November 2022. Analytical data indicates that 1,4-dioxane was detected below the GCL in the groundwater samples collected from SVE-28, SVE-30, and RW-1 in May 2022 sampling event. (**Figures 3-6a, 3-6b, 3-8a, 3-8b, 3-10a, 3-10b, 3-12a, 3-12b**).

3.4.2 Upper Aquifer

In the Upper Aquifer, BTEX concentrations were detected above laboratory reporting limits in MW-17, MW-21, MW-26, MW-27 in May 2022. Only benzene was detected above the GCL in

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MW-17 at a concentration of 7.2 µg/L in May 2022. BTEX was not detected in any wells in the November 2022 sampling event. MW-16 was not sampled in either event due to the presence of PSH in the well. (**Figures 3-7a, 3-7b, 3-9a, 3-9b)**

Analytical data indicates that 1,4-dioxane was detected above the reporting limits for MW-22 in May 2022, however the detection of 0.99 µg/L was below the GCL. In November 2022, 1,4-dioxane was detected above the reporting limits in MW-29, MW-32, and MW-34, with concentrations of 7.35 µg/L, 2.76 µg/L, and 5.84 µg/L, respectively. The detections in MW-29 and MW-34 were slightly above the GCL 0f 4.89 µg/L for 1,4-dioxane. (**Figures 3-14a, 3-14b)**

Analytical data indicates that other VOCs were not detected in the May 2022 sampling event. Other VOCs were detected in MW-20, MW-22, MW-26, MW-39, MW-41, and MW-42 during the November 2022 sampling event, but only 1,1-DCE was detected at concentrations that exceed the GCL in wells MW-26 and MW-39 with a concentration of 31 µg/L and 19 µg/L, respectively. Based on the 2022 analytical data, the areal distribution of BTEX and 1,1-DCE in the Upper Aquifer remains delineated within the Project Area and is consistent with the 2021 data. (**Figures 3-7a, 3-7b, 3-9a, 3-9b, 3-11a, 3-11b, 3-13a, 3-13b**).

Analytical results for the duplicates are included in the laboratory data packages in **Appendix B** and indicate that the only target analyte detections were for MW-17, MW-21 for May 2022 and MW-22, MW-34, and MW-42 for November 2022. For quality assurance purposes, the relative percent difference (RPD) of the reported concentrations between the original samples and their duplicates was calculated for each semi-annual sampling event. The RPDs were at or below 30% for most detections during the sampling events. The outliers to the 30% threshold are MW-17 in the May 2022 sampling event with detections of benzene at 7.2 µg/L in the first sample and 1.3 µg/L in the duplicate sample (138.8% RPD) and detections of toluene at 11 µg/L in the first sample and <0.20 µg/L in the duplicate sample (192.9% RPD), MW-21 from the May 2022 sampling event with detections of ethylbenzene at <0.30 µg/L in the first sample and 0.52 µg/L in the duplicate sample(63.2% RPD) and detections of toluene at <0.2 µg/L in the first sample and 2.1 µg/L in the duplicate sample(165.2% RPD), and MW-34 with detections of 1,4-dioxane at 5.84 µg/L in the first sample and 9.26 µg/L in the second sample (45.3% RPD), . With the low concentrations and volatility of the analytes, the RPD for each can be misleading as to the laboratory quality control as a small difference in concentration makes for a large RPD. One sample (MW-21-Dup for ethylbenzene) also had a laboratory modifier indicating it was detected below quantitation limits.

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There is also the possibility of volatilization of the sample during collection. The calculations are included in **Appendix B**.

3.4.3 Deeper San Andres Formation Aquifer

In the deep aquifer, BTEX concentrations were not detected above the laboratory reporting limits from the groundwater sample collected from MW-24D in May 2022. BTEX, VOCs and 1,4-dioxane were not detected above the laboratory detection limits from the groundwater sample collected from MW-24D in November 2022. Since 2013, BTEX concentrations have been below laboratory reporting limits for groundwater samples collected from MW-24D.

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4.0 REMEDIATION SYSTEM OPERATION, MAINTENANCE, AND MONITORING

During 2022, the SVE portion of the recovery system was operational using the West Baker Unit. The West Baker unit was operational except for when the SVE system was deactivated for equipment maintenance/repairs and semi-annual sampling events. The East Baker unit was offline the entire year awaiting air permit approvals prior to the replacement of the thermal oxidizer. The new air permit, NSR permit number 1777-M1R1, was issued on October 13, 2022 and currently replacement parts are in the process of being procured. Transwestern has already procured a unit and plans to replace the East Baker unit thermal oxidizer in 2023.

The groundwater/PSH recovery portion of the remediation system operated from February 8, 2022 to December 31, 2022, except for periods of maintenance, extended freezing temperatures, and during the semi-annual sampling events. Specifically, the groundwater/PSH recovery portion of the remediation system was deactivated in January and periodically in February, March, and December 2022 due to freezing temperatures. In January 2022, Transwestern completed the insulation of the pipes, manifolds, and water lines on the carbon vessels, irrigation tanks, and water treatment system. Heat tape was also added around the air stripper blower, discharge pumps, and power supply equipment.[4] Additional weather protection was added to minimize downtime during winter months. However, during extreme freezing temperatures that exist during the majority of the day and over consecutive days in the winter months, the system was deactivated.

A comparison was conducted between the uptime of the system for the winter months of the 2021 reporting period and the winter months of the 2022 reporting period. In 2021, the system was down for 47 days total due to extreme freezing conditions and winterization of the system out of 151 days of potential operation, giving a downtime percentage of 31.1%. In 2022, the system was down for 12 days due to extreme freezing conditions out of 151 days of potential operation, giving a downtime percentage of 7.9%. The insulation of system components shows an increase of uptime of the system by 35 days or approximately 23.2%. **Table 4-8** shows the data for uptime comparison between 2021 and 2022 for freezing conditions.

The remediation system was monitored on a weekly basis to assess for continuous operation of components, maintenance needs, and early detection of potential leaks. System readings, such

[4] In response to Comment 3 in NMED correspondence (HWB-TWP-21-002) dated July 6, 2021.

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as flow rates, pressure, and temperature, were collected by the operator on a routine basis to monitor system performance and treatment efficiencies. During this reporting period, maintenance activities of the groundwater recovery system consisted of replacing frozen valves, repairing frozen lines, replacing broken fan belts, replacing pump heads, repairing air leaks, installing a new pump on Circuit D, installing a new pump on the air stripper, changing filter bags, replacing a float switch, fixing hose leaks, changing sock filters, routine preventative maintenance on the compressor, repairing the GAC water hose, and repairing the compressor pressure switch.

Monthly samples were collected from March through December 2022 (except for June and November 2022) from the groundwater treatment system at four locations in the treatment process: at the inlet of the air-stripper (Pre-Treatment); at the outlet of the air stripper (Post Air Stripper); at the outlet of the first GAC unit (Between GACs); and at the outlet of the irrigation water holding tank (post-treatment). The samples collected from the Pre-Treatment, Post Air Stripper, and Between GACs locations were analyzed for BTEX via method 8021B, and the post-treatment sample was analyzed for anions via EPA method 300.0, dissolved metals via EPA method 200.7, and VOCs via EPA method 8260B. Discharge monitoring data is summarized in **Table 4-4.** In addition, vapor readings are collected along the process line of the vapor-phase granular carbon connected to the air stripper air exhaust port. Monitoring data is summarized in **Table 4-5**.

Maintenance activities on the SVE portion of the treatment system during this reporting period included replacing the chart recorder paper periodically, installing a new gas meter, fixing electrical issues, greasing bearings for the blowers, and miscellaneous minor repairs.

Influent air samples from the process pipes prior to entering the West Baker Furnace (East Baker Furnace was not operation for 2022) were collected quarterly and analyzed for total VOCs (TVOCs) by EPA Method TO-15 in March 2022, July 2022, September 2022 and January 2023 and is included with this report. Total VOCs concentrations are presented in **Table 4-1**.

In 2022, the continuation of the phase pumping testing and evaluation was performed on several wells.[5] Wells were selected based on the volume of PSH that was in the well historically. These wells were MPE-10, MPE-12, MPE-14, MPE-16, MPE-20, MPE-32, MPE-38, and MPE-41. Procedures and data collected from this operation are detailed below:

[5] In response to Comment 8 in NMED correspondence (HWB-TWP-21-002) dated May 10, 2022.

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Prior to the initiation of the phase pumping, wells that were connected to the system was shut down for several days to allow the well to reach natural conditions. The protocol that was conducted in the field was on the first day the well was gauged with an interface probe to ensure that PSH was present and to document the volume of PSH in the well. Next, the well was pumped or bailed to remove the PSH present. Purge water was monitored until the PSH had been visually removed from the well and the well was regauged to ensure no PSH remained. The well was maintained in a static state, i.e., MPE operation remained off after the well had been purged, for the next few days. Each subsequent morning, the well was gauged by interface probe and the level of PSH reintroduced from the substrate was recorded. Once sufficient data had been collected, the MPE well was restarted for normal operation. The results of the phase pumping testing are recorded in **Table 4-9** and are discussed below:

Of the wells used during the pulse pumping pilot study, MPE-12, MPE-16, MPE-20, MPE-32, MPE-38, and MPE-41 had a small volume of accumulated PSH in the well ranging from 0.065 gallons in MPE-41 to 0.346 gallons in MPE-32. MPE-10 and MPE-14 had more volume than the other wells, 0.953 gallons and 1.638 gallons, respectively, at the time of purging. MPE-16 had no product detected in the well. Purge times for the wells averaged 30 seconds to remove PSH present in the wells, with the exception being MPE-14 which required 7 minutes to fully remove PSH due to the greater volume of PSH present. The gauging conducted the following day showed rebound in all the wells, with outliers of MPE-38 which required 3 days to reach previous PSH levels and MPE-20 which required 2 days to reach a significant amount of product.

The results of the phase pumping tests show that PSH migration to the well from the substrate is a relatively slow process and the tactic of phase pumping could potentially remove PSH while minimizing water removal. A field pilot test will be developed and implemented by Transwestern on select MPE wells within the impacted area to further evaluate pulse pumping performance. The plume will be monitored for any potential migration and determination if this method to be applied for all wells in the impacted area is a feasible option.

In 2022, bailing activities were conducted on SVE-22, SVE-23, and SVE-25, if PSH was present in the wells, to determine the rate of rebound of PSH in wells from the substrate. SVE-22 and SVE-25 did not show the presence of PSH in the wells during this time. Bailing activities started in March 2022 with monthly bailing of wells with PSH present. This method showed effective recovery of PSH from the wells and rebound in the wells between bailing activities. In total 1.58

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gallons of PSH were removed from SVE-23 over the 12 events conducted and rebound of PSH was observed after every event, with the majority being the next day. The results of the bailing events can be found in **Table 4-7.**

The results of bailing the wells in the perched aquifer shows a trend of well rebound taking approximately one week to stabilize even with the SVE system being in operation during the interim. Bailing activities will continue for the perched aquifer SVE wells as this appears to be an effective method for PSH removal. Once the delineation plan has been approved and the additional wells installed, Transwestern proposes revisiting the option of product removal on an interval basis either by mechanical means (pumping) or physical (bailing), similar to the upper aquifer pulse pumping solution.

4.1 Soil Vapor Extraction System Monitoring Results

The average air flowrate of the SVE system was approximately 160 cubic feet per minute (cfm) with an applied vacuum between 14 and 24 inches of water. The West Baker unit thermal oxidizer maintained an average chamber treatment temperature of 1,500°F, which is above the required thermal destruction temperature of 1,400°F.

In 2022, air samples of influent vapor were collected from the West Baker Furnace and were analyzed for TVOCs using EPA method TO-15. Analytical data results summarized in **Table 4-1** indicate that the SVE system recovered approximately 1,023 pounds (or about 161 equivalent gallons) of vapor-phase TVOCs in 2022, compared to the approximately 1,980 pounds (or about 312 gallons) removed in 2021. Historical recovery amounts are provided in **Table 4-6.**

Laboratory data packages are included in **Appendix C**. Historical SVE data was analyzed for TPH in the gasoline range organics (GRO) via EPA method 8015D. These historical tables have been included in **Appendix D**.

4.2 Groundwater Treatment System Monitoring Results

The groundwater extraction flowrate averaged 0.24 gallons per minute (gpm) in 2022. Operation records for the irrigation system presented in **Table 4-2** indicate that the volume of groundwater recovered, treated, and discharged in 2022 was approximately 94,300 gallons.

According to **Table 4-3**, approximately 4.3 pounds (0.67 equivalent gallons) of dissolved-phase hydrocarbons were removed by the groundwater/PSH recovery system in 2022. The amount of dissolved phase hydrocarbons removed in 2022 appears to have decreased compared to 2021,

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during which 5.75 pounds (0.90 equivalent gallons) of dissolved phase hydrocarbons were removed from approximately 144,900 gallons of treated groundwater. A total of approximately 89.47 pounds of dissolved TVOCs has been removed by the groundwater remediation system since 2009. In addition, approximately 470 gallons of PSH accumulated in the surge tank in 2022. PSH separated in the surge tank is removed by a vacuum truck and sent to a permitted off-site disposal facility periodically. Historical PSH recovery volumes are provided in **Table 4-6.**

Monthly water treatment samples were collected between March and December 2022 (except for June and November 2022). Samples from the locations identified as Pre-Treatment, Between GACs, and Post Air Stripper were analyzed for BTEX via EPA Method 8021B, and the Post Treatment sample was analyzed for anions via EPA method 300.0, dissolved metals via EPA method 200.7, and VOCs via EPA method 8260B. The analytical data for these samples demonstrates that the treatment system is effectively removing the hydrocarbon constituents present in the recovered groundwater. Furthermore, analytical data for the post-treatment sample indicate that BTEX and VOCs were not detected above laboratory reporting limits. Analytical data for the monthly samples is summarized in **Table 4-4** and laboratory data packages are included in **Appendix C**.

Between February and December 2022, the air stripper was monitored at multiple points to detect potential breakthrough of VOCs through the carbon treatment system. No signs of potential breakthrough were noted in the monitoring period. The PID readings from locations identified as Prior to Carbon, Between Carbon Vessels, and After Carbon Vessels are provided in **Table 4-5.**

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5.0 SUMMARY OF FINDINGS AND CONCLUSIONS

Based on the information presented in the previous sections regarding the operation of the remediation system installed at the Project Area, the following findings and conclusions are offered:

- The 2022 Upper Aquifer groundwater gauging data identified a northern component of groundwater flow with a gradient of 0.017 ft/ft during the May 2022 and 0.019 ft/ft November 2022 sampling events, and a southeastern component of groundwater flow with a gradient of 0.006 ft/ft during the May 2022 sampling event and 0.006 ft/ft during the November 2022 sampling event. These gradients are generally consistent with previous years' observations.

- Historical gauging data for the Site monitoring wells indicates that between 2009 and 2022 groundwater elevation in the Upper Aquifer of the Project Area has decreased by an average of 0.70 feet and groundwater elevation in the deeper San Andres Formation Aquifer has decreased by 7.80 feet.

- Groundwater gauging data collected from the Site monitoring and recovery wells during the May and November 2022 semi-annual groundwater monitoring events indicates that PSH remains delineated within the Project Area. The average site-wide thicknesses of PSH measured in 2022 was 0.68 foot during the May 2022 sampling event and 0.51 feet during the November 2022 sampling event. The maximum site-wide apparent thicknesses of PSH measured in 2022 was 4.80 feet in MW-16 during the May 2022 sampling event and 2.70 feet in MPE-14 during the November 2022 sampling event.

- Analytical data from the 2022 semi-annual groundwater monitoring events indicates that benzene, 1,1-DCE, and 1,4-dioxane were detected at dissolved concentrations exceeding the GCLs in eight monitoring wells. These constituents are consistent with a weathered source from old product. These exceedances are within the existing monitoring network and bounded by samples below the GCLs downgradient. Benzene exceeding the GCLs has historically been closely associated with observable PSH. Benzene detections above the GCLs in the perched aquifer were from SVE-28, SVE-30, and RW-1 in May 2022 and SVE-28 in November 2022. Benzene detections above the GCLs in the upper aquifer were from MW-17 in May 2022 and none for November 2022. 1,4-Dioxane was detected above

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the GCLs in MW-29 and MW-34 in November 2022 and based on potentiometric surface data was bounded by downgradient non-detect wells. 1,1-DCE detections above the GCLs were from MW-26 and MW-39, which is consistent with historical data and also bounded by downgradient wells below the GCLs.

- For 2023, Transwestern will only monitor BTEX, 1,4-dioxane and 1,1-DCE for the next monitoring period due to these constituents being detected above the GCLs for them in the November 2022 semi-annual groundwater monitoring event.
- During 2022, the SVE portion of the recovery system the West Baker unit was fully operational on all recovery wells for most of the year except for periods of maintenance. The East Baker unit was not operational due to the thermal oxidizer malfunctioning beyond repair in August 2021. Prior to replacement of the thermal oxidizer, a new air permit was required. A new air permit was issued in October 2022 and the replacement oxidizer is being procured. Transwestern plans to replace the thermal oxidizer in 2023 and return the East Baker unit to fully functional. Approximately 1,023 pounds of vapor-phase TVOCs (approximately 161 equivalent gallons) were recovered by the SVE technology.
- The groundwater/PSH recovery system recovered, treated, and discharged 94,300 gallons of groundwater in 2022. Approximately 4.3 pounds of dissolved-phase BTEX hydrocarbons were removed by the groundwater/PSH recovery system in 2021. A total of approximately 89.47 pounds of dissolved-phase hydrocarbons have been removed by the system since May 2009. The groundwater/PSH recovery system recovered approximately 470 gallons (approximately 2,975 pounds) of PSH in 2022. In total, approximately 4,002 pounds of hydrocarbons were removed by the system in 2022.
- Based on the laboratory results, the groundwater treatment system is effectively removing the hydrocarbon constituents present in the recovered groundwater.
- Based on the 2022 groundwater data, the groundwater treatment system continues to control the migration of the PSH plume and continues to recover PSH and dissolved-phase hydrocarbons.
- The pulse-pumping evaluation was continued in 2022 to evaluate potential more efficient ways of PSH recovery. Transwestern will develop and implement a field pilot study of select MPE wells to further evaluate pulse pumping performance in 2023.

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- Recovery of PSH via manual bailing, if present, was performed in SVE-22, SVE-23 and SVE-25 were also included in this plan however no PSH was present in SVE-22 and SVE-25. Manual bailing was an effective method of removing PSH in the well and determining rebound time. Monthly bailing was conducted in March and continued throughout 2022 and proved to be effective at removing PSH. The rebound rate for PSH in the well was estimated to be approximately one week based on the September bailing events. Recovery amounts of PSH were minimal (less than a quarter gallon per bailing event) but proved effective for minimizing the amount of water generated per event.[6] The study will be used to determine LNAPL transmissivity and LNAPL residual saturation.
- After two years of monthly gauging of select MPE wells, adequate data has been gathered regarding the PSH plume location and mobility in the upper aquifer. Transwestern requests to cease the monthly gauging of the select MPE wells and return to gauging during the semi-annual sampling events only.
- Due to the PSH detection in MW-16, a temporary recovery pump will be installed in MW-16 to evaluate LNAPL recovery rate and rebound effects.

[6] In response to Comment 2 in NMED correspondence (HWB-TWP-21-001) dated January 12, 2022.

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TABLES

Table 3-1. Sampling and Analysis Plan
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	1st Semiannual Event Analytical Requirements	2nd Semiannual Event Analytical Requirements	Date of Most Recent Sample	Comments
MW-10	BTEX (8260)	VOCs (8260)	05/14/22	Dry in Nov. 2022
MW-11	BTEX (8260)	VOCs (8260)	05/14/22	Dry in Nov. 2022
MW-13	--	VOCs (8260), 1-4 Dioxane	11/20/22	
MW-14	--	VOCs (8260), 1-4 Dioxane	11/18/22	
MW-16	BTEX (8260)	VOCs (8260)	05/31/18	PSH in well, did not sample in May and Nov. 2022
MW-17	BTEX (8260)	VOCs (8260)	05/12/22	Dry in Nov. 2022
MW-20	VOCs (8260), 1-4 Dioxane	VOCs (8260), 1-4 Dioxane	11/20/22	
MW-21	BTEX (8260)	VOCs (8260), 1-4 Dioxane	11/18/22	
MW-22	VOCs (8260), 1-4 Dioxane	VOCs (8260), 1-4 Dioxane	11/20/22	
MW-24D	--	VOCs (8260), 1-4 Dioxane	11/21/22	
MW-26	VOCs (8260), 1-4 Dioxane	VOCs (8260), 1-4 Dioxane	11/20/22	
MW-27	BTEX (8260)	VOCs (8260), 1-4 Dioxane	11/18/22	
MW-29	BTEX (8260)	VOCs (8260), 1-4 Dioxane	11/17/22	
MW-32	--	VOCs (8260), 1-4 Dioxane	11/17/22	
MW-34	BTEX (8260)	VOCs (8260), 1-4 Dioxane	11/17/22	
MW-35	--	VOCs (8260), 1-4 Dioxane	11/17/22	
MW-37	--	VOCs (8260), 1-4 Dioxane	11/17/22	
MW-39	VOCs (8260), 1-4 Dioxane	VOCs (8260), 1-4 Dioxane	11/20/22	
MW-40	VOCs (8260), 1-4 Dioxane	VOCs (8260), 1-4 Dioxane	11/21/22	
MW-41	VOCs (8260), 1-4 Dioxane	VOCs (8260), 1-4 Dioxane	11/21/22	
MW-42	VOCs (8260), 1-4 Dioxane	VOCs (8260), 1-4 Dioxane	11/21/22	
SVE-28	VOCs (8260), 1-4 Dioxane	VOCs (8260), 1-4 Dioxane	05/14/22	
SVE-30	VOCs (8260), 1-4 Dioxane	VOCs (8260), 1-4 Dioxane	11/14/21	Dry in Nov. 2022
SVE-31	VOCs (8260)	VOCs (8260)	11/15/21	Dry in May and Nov. 2022
RW-1	VOCs (8260), 1-4 Dioxane	VOCs (8260), 1-4 Dioxane	05/14/22	PSH in well, did not sample in Nov. 2022

Notes:

Prepared by: JDD 2/3/2023

Checked by: SD 3/17/2023

1) Non-detect results are shown with the "<" symbol followed by the reporting limit
2) NA - Not analyzed
3) BTEX (Benzene, Toluene, Ethylbenzene and Xylenes) and VOCs (Volatile Organic Compounds) to be analyzed by EPA method 8260B
4) 1,4-Dioxane to be analyzed by EPA Methos 8270C SIM
5) ppb - parts per billion
6) NMWQCC - New Mexico Water Quality Control Commission
7) EPA MCL - United States Environmental Protection Agency's Maximum Contamination Level
8) NMED approved Sampling and Anlayzes Plan 2022

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MW-1B	3/10/2009	3609.96	60.46	62.20	1.74	3,549.08
	10/8/2009		sheen	64.18	sheen	3,545.78
	1/26/2010		60.32	60.60	0.28	3,549.57
	3/22/2010		59.82	61.86	2.04	3,549.65
	4/17/2011		60.18	62.05	1.87	3,549.33
	12/22/2011		61.01	63.24	2.23	3,548.41
	4/17/2012		60.65	62.45	1.80	3,548.88
	10/18/2012		61.88	64.21	2.33	3,547.52
	1/22/2013		61.38	63.55	2.17	3,548.06
	4/15/2013		61.24	63.10	1.86	3,548.27
	11/3/2013	3610.74 (h)	62.19	63.35	1.16	3,548.27
	4/30/2014		61.50	62.73	1.23	3,548.94
	11/19/2014		61.87	64.03	2.16	3,548.35
	4/21/2015		61.76	63.25	1.49	3,548.62
	11/3/2015		61.88	63.66	1.78	3,548.43
	4/29/2016		61.81	63.28	1.47	3,548.58
	11/16/2016		62.12	63.68	1.56	3,548.25
	5/22/2017		61.80	62.90	1.10	3548.68
	11/13/2017		62.65	64.41	1.76	3,547.67
	6/1/2018		60.60	61.25	0.65	3,549.98
	11/6/2018		63.08	63.09	0.01	3,547.66
	6/24/2019		61.27	62.18	0.91	3,549.25
	1/5/2020		61.60	61.95	0.35	3,549.06
	5/13/2020		61.73	62.07	0.34	3,548.93
	11/10/2020		62.75	62.95	0.20	3,547.94
	1/18/2021		(a)	62.38	(a)	3,548.36
	2/10/2021		62.70	62.91	0.21	3,547.99
	3/8/2021		62.65	62.91	0.26	3,548.03
	4/5/2021		62.71	62.95	0.24	3,547.97
	5/7/2021		62.70	62.92	0.22	3,547.99
	6/9/2021		62.56	62.59	0.03	3,548.17
	7/10/2021		62.85	62.90	0.05	3,547.88
	8/2/2021		62.80	62.95	0.15	3,547.90
	9/1/2021		62.80	63.10	0.30	3,547.87
	10/5/2021		62.80	63.40	0.60	3,547.80
	11/3/2021		62.83	63.65	0.82	3,547.71
	11/10/2021		62.55	63.50	0.95	3,547.96
	12/2/2021		62.56	63.50	0.94	3,547.95
	1/10/2022		62.73	63.23	0.50	3,547.89
	2/11/2022		62.44	62.95	0.51	3,548.18
	3/1/2022		62.60	63.00	0.40	3,548.04
	4/4/2022		62.52	63.00	0.48	3,548.10
	5/14/2022		62.30	62.77	0.47	3,548.33
	6/1/2022		62.65	63.00	0.35	3,548.01
	7/18/2022		62.61	63.25	0.64	3,547.98
	8/10/2022		62.55	63.25	0.70	3,548.02
	9/1/2022		60.50	63.30	2.80	3,549.57
	10/11/2022		62.45	63.20	0.75	3,548.11
	11/8/2022		62.50	62.75	0.25	3,548.18
MW-2	3/10/2009	3611.76	(a)	59.10	(a)	3,552.66
	10/8/2009		(a)	60.39	(a)	3,551.37
	3/22/2010		(a)	59.66	(a)	3,552.10
	4/17/2011		(a)	59.77	(a)	3,551.99
	12/22/2011		(a)	59.79	(a)	3,551.97
	4/17/2012		(a)	60.30	(a)	3,551.46
	10/18/2012		(a)	61.30	(a)	3,550.46
	1/22/2013		(a)	61.07	(a)	3,550.69
	4/15/2013		(a)	61.30	(a)	3,550.46
	11/3/2013	3612.62 (h)	(a)	60.77	(a)	3,551.85
	4/30/2014		(a)	60.48	(a)	3,552.14
	11/19/2014		(a)	60.60	(a)	3,552.02

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MW-2	4/21/2015		(a)	58.85	(a)	3,553.77
	11/3/2015		(a)	59.45	(a)	3,553.17
	4/28/2016		(a)	59.59	(a)	3,553.03
	11/16/2016		(a)	59.97	(a)	3,552.65
	5/22/2017		(a)	60.29	(a)	3,552.33
	11/13/2017		(a)	60.83	(a)	3,551.79
	6/1/2018		(a)	dry	(a)	NA
	11/6/2018		(a)	60.42	(a)	3,552.20
	6/24/2019		(a)	59.78	(a)	3,552.84
	1/5/2020		(a)	59.88	(a)	3,552.74
	5/13/2020		(a)	60.25	(a)	3,552.37
	11/10/2020		(a)	61.50	(a)	3,551.12
	5/7/2021		(a)	61.35	(a)	3,551.27
	11/10/2021		(a)	61.40	(a)	3,551.22
	5/14/2022		(a)	61.35	(a)	3,551.27
	11/8/2022		(a)	61.37	(a)	3,551.25
MW-3	3/10/2009	3614.87	(a)	66.23	(a)	3,548.64
	10/8/2009		(a)	66.77	(a)	3,548.10
	3/22/2010		(a)	66.37	(a)	3,548.50
	4/17/2011		(a)	66.39	(a)	3,548.48
	12/22/2011		(a)	66.86	(a)	3,548.01
	4/17/2012		(a)	66.67	(a)	3,548.20
	10/18/2012		(a)	67.28	(a)	3,547.59
	1/22/2013		(a)	67.22	(a)	3,547.65
	4/15/2013		(a)	67.11	(a)	3,547.76
	11/3/2013	3615.75 (h)	(a)	67.47	(a)	3,548.28
	4/30/2014		(a)	67.31	(a)	3,548.44
	11/19/2014		(a)	67.74	(a)	3,548.01
	4/21/2015		(a)	67.52	(a)	3,548.23
	11/3/2015		(a)	67.61	(a)	3,548.14
	4/29/2016		(a)	67.42	(a)	3,548.33
	11/16/2016		(a)	67.95	(a)	3,547.80
	5/22/2017		(a)	67.55	(a)	3,548.20
	11/13/2017		(a)	68.20	(a)	3,547.55
	6/1/2018		(a)	67.85	(a)	3,547.90
	11/6/2018		(a)	68.05	(a)	3,547.70
	6/24/2019		(a)	67.45	(a)	3,548.30
	1/5/2020		(a)	67.55	(a)	3,548.20
	5/13/2020		(a)	67.90	(a)	3,547.85
	11/10/2020		(a)	68.10	(a)	3,547.65
	5/7/2021		(a)	67.94	(a)	3,547.81
	11/10/2021		(a)	67.85	(a)	3,547.90
	5/14/2022		(a)	67.70	(a)	3,548.05
	11/8/2022		(a)	67.95	(a)	3,547.80
MW-7	3/10/2009	3599.20	(a)	58.24	(a)	3,540.96
	10/8/2009		(a)	62.12	(a)	3,537.08
	3/22/2010		(a)	58.68	(a)	3,540.52
	4/17/2011		(a)	59.42	(a)	3,539.78
	12/22/2011		(a)	63.09	(a)	3,536.11
	4/17/2012		(a)	62.30	(a)	3,536.90
	10/18/2012		(a)	66.14	(a)	3,533.06
	1/22/2013		(a)	64.40	(a)	3,534.80
	4/15/2013		(a)	63.71	(a)	3,535.49
	11/3/2013	3599.96 (h)	(a)	66.07	(a)	3,533.89
	4/30/2014		(a)	64.30	(a)	3,535.66
	11/19/2014		(a)	64.02	(a)	3,535.94
	4/20/2015		(a)	61.04	(a)	3,538.92
	11/3/2015		(a)	63.24	(a)	3,536.72

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MW-7	4/27/2016		(a)	61.15	(a)	3,538.81
	11/16/2016		(a)	63.80	(a)	3,536.16
	5/22/2017		(a)	62.30	(a)	3,537.66
	11/13/2017		(a)	64.46	(a)	3,535.50
	6/1/2018		(a)	63.37	(a)	3,536.59
	11/6/2018		(a)	65.55	(a)	3,534.41
	6/24/2019		(a)	62.93	(a)	3,537.03
	1/6/2020		(a)	65.10	(a)	3,534.86
	5/12/2020		(a)	64.19	(a)	3,535.77
	11/9/2020		(a)	67.85	(a)	3,532.11
	5/7/2021		(a)	66.61	(a)	3,533.35
	11/10/2021		(a)	66.32	(a)	3,533.64
	5/11/2022		(a)	65.11	(a)	3,534.85
	11/8/2022		(a)	57.20	(a)	3,542.76
MW-10	3/10/2009	3617.85	(a)	68.49	(a)	3,549.36
	10/8/2009		(a)	69.18	(a)	3,548.67
	3/22/2010		(a)	68.85	(a)	3,549.00
	4/17/2011		(a)	68.85	(a)	3,549.00
	12/22/2011		(a)	69.32	(a)	3,548.53
	4/17/2012		(a)	69.19	(a)	3,548.66
	10/18/2012		(a)	69.78	(a)	3,548.07
	1/22/2013		(a)	69.79	(a)	3,548.06
	4/15/2013		(a)	69.70	(a)	3,548.15
	11/3/2013	3618.81 (h)	(a)	70.04	(a)	3,548.77
	4/30/2014		(a)	69.93	(a)	3,548.88
	11/19/2014		(a)	70.23	(a)	3,548.58
	4/21/2015		(a)	70.06	(a)	3,548.75
	11/3/2015		(a)	70.07	(a)	3,548.74
	4/29/2016		(a)	69.90	(a)	3,548.91
	11/16/2016		(a)	70.43	(a)	3,548.38
	5/22/2017		(a)	70.03	(a)	3,548.78
	11/13/2017		(a)	70.62	(a)	3,548.19
	6/1/2018		(a)	70.35	(a)	3,548.46
	11/6/2018		(a)	70.45	(a)	3,548.36
	6/24/2019		(a)	69.85	(a)	3,548.96
	1/5/2020		(a)	69.91	(a)	3,548.90
	2/13/2020		(a)	69.87	(a)	3,548.94
	5/13/2020		(a)	69.97	(a)	3,548.84
	11/10/2020		(a)	70.49	(a)	3,548.32
	5/7/2021		(a)	70.30	(a)	3,548.51
	11/10/2021		(a)	70.00	(a)	3,548.81
	5/14/2022		(a)	69.93	(a)	3,548.88
	11/8/2022		(a)	70.14	(a)	3,548.67
MW-11	3/10/2009	3613.31	(a)	64.30	(a)	3,549.01
	10/8/2009		(a)	65.39	(a)	3,547.92
	3/22/2010		(a)	64.69	(a)	3,548.62
	4/17/2011		(a)	64.55	(a)	3,548.76
	12/22/2011		(a)	65.36	(a)	3,547.95
	4/17/2012		(a)	64.97	(a)	3,548.34
	10/18/2012		(a)	66.03	(a)	3,547.28
	1/22/2013		(a)	65.69	(a)	3,547.62
	4/15/2013		(a)	65.45	(a)	3,547.86
	11/3/2013	3614.08 (h)	(a)	65.95	(a)	3,548.13
	4/30/2014		(a)	65.71	(a)	3,548.37
	11/19/2014		(a)	66.47	(a)	3,547.61
	4/21/2015		(a)	65.70	(a)	3,548.38
	11/3/2015		(a)	65.53	(a)	3,548.55
	4/28/2016		(a)	65.50	(a)	3,548.58
	11/16/2016		(a)	66.67	(a)	3,547.41

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
M W-11	5/22/2017		(a)	65.55	(a)	3,548.53
	11/13/2017		(a)	66.83	(a)	3,547.25
	6/1/2018		(a)	66.07	(a)	3,548.01
	11/6/2018		(a)	65.90	(a)	3,548.18
	6/24/2019		(a)	65.18	(a)	3,548.90
	1/5/2020		(a)	65.25	(a)	3,548.83
	2/13/2020		(a)	65.10	(a)	3,548.98
	5/13/2020		(a)	65.42	(a)	3,548.66
	11/10/2020		(a)	66.00	(a)	3,548.08
	5/7/2021		(a)	65.97	(a)	3,548.11
	11/10/2021		(a)	65.38	(a)	3,548.70
	5/14/2022		(a)	65.53	(a)	3,548.55
	11/8/2022		(a)	65.70	(a)	3,548.38
MW-12	3/10/2009	3606.38	56.16	56.57	0.41	3,550.12
	10/8/2009		57.17	57.18	0.01	3,549.21
	1/26/2010		(a)	56.95	(a)	3,549.43
	3/22/2010		56.34	58.23	1.89	3,549.59
	4/17/2011		56.00	57.47	1.47	3,550.03
	12/22/2011		57.01	57.18	0.17	3,549.33
	4/17/2012		56.75	59.72	2.97	3,548.92
	10/15/2012		57.33	58.28	0.95	3,548.82
	1/22/2013		54.93	57.30	2.37	3,550.88
	4/15/2013		57.28	60.74	3.46	3,548.27
	11/3/2013	3606.98 (h)	57.71	60.15	2.44	3,548.68
	4/30/2014		57.57	62.68	5.11	3,548.18
	11/19/2014		56.90	59.91	3.01	3,549.36
	4/21/2015		56.51	56.74	0.23	3,550.41
	11/3/2015		56.03	56.18	0.15	3,550.91
	4/27/2016		56.21	56.27	0.06	3,550.76
	11/16/2016		56.58	56.60	0.02	3,550.40
	5/22/2017		(a)	56.68	(a)	3,550.30
	11/13/2017		(a)	57.21	(a)	3,549.77
	6/1/2018		(a)	56.85	(a)	3,550.13
	11/6/2018		(a)	54.79	(a)	3,552.19
	6/24/2019		(a)	55.38	(a)	3,551.60
	1/6/2020		(a)	56.00	(a)	3,550.98
	5/13/2020		(a)	56.14	(a)	3,550.84
	11/9/2020		(a)	57.12	(a)	3,549.86
	5/7/2021		(a)	57.29	(a)	3,549.69
	11/10/2021		(a)	56.40	(a)	3,550.58
	5/11/2022		(a)	56.75	(a)	3,550.23
	11/8/2022		(a)	56.53	(a)	3,550.45
MW-13	3/10/2009	3612.46	(a)	63.76	(a)	3,548.70
	10/8/2009		(a)	64.35	(a)	3,548.11
	1/26/2010		(a)	64.05	(a)	3,548.41
	3/22/2010		(a)	63.78	(a)	3,548.68
	4/17/2011		(a)	63.65	(a)	3,548.81
	12/22/2011		(a)	64.64	(a)	3,547.82
	4/17/2012		(a)	64.31	(a)	3,548.15
	10/18/2012		(a)	64.99	(a)	3,547.47
	1/22/2013		(a)	64.70	(a)	3,547.76
	4/15/2013		(a)	64.59	(a)	3,547.87
	11/3/2013	3613.19 (h)	(a)	64.70	(a)	3,548.49
	4/30/2014		(a)	64.91	(a)	3,548.28
	11/19/2014		(a)	65.27	(a)	3,547.92
	4/21/2015		(a)	64.93	(a)	3,548.26
	11/3/2015		(a)	65.13	(a)	3,548.06
	4/29/2016		(a)	65.03	(a)	3,548.16
	11/16/2016		(a)	65.37	(a)	3,547.82
	5/22/2017		(a)	65.10	(a)	3,548.09

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MW-13	11/13/2017		(a)	66.42	(a)	3,546.77
	6/1/2018		(a)	65.37	(a)	3,547.82
	11/6/2018		(a)	66.38	(a)	3,546.81
	6/24/2019		(a)	65.18	(a)	3,548.01
	1/5/2020		(a)	65.05	(a)	3,548.14
	5/13/2020		(a)	64.96	(a)	3,548.23
	11/10/2020		(a)	66.28	(a)	3,546.91
	5/7/2021		(a)	65.65	(a)	3,547.54
	11/10/2021		(a)	65.95	(a)	3,547.24
	5/14/2022		(a)	65.50	(a)	3,547.69
	11/8/2022		(a)	66.30	(a)	3,546.89
MW-14	3/10/2009	3604.83	(a)	54.43	(a)	3,550.40
	10/8/2009		(a)	54.57	(a)	3,550.26
	3/22/2010		(a)	54.23	(a)	3,550.60
	4/17/2011		(a)	54.72	(a)	3,550.11
	12/22/2011		(a)	55.43	(a)	3,549.40
	4/17/2012		(a)	h	(a)	NA
	10/15/2012		(a)	55.52	(a)	3,549.31
	1/22/2013		(a)	55.63	(a)	3,549.20
	4/15/2013		(a)	55.61	(a)	3,549.22
	11/3/2013	3605.55 (h)	(a)	55.89	(a)	3,549.66
	4/30/2014		(a)	56.03	(a)	3,549.52
	11/19/2014		(a)	56.08	(a)	3,549.47
	4/20/2015		(a)	55.83	(a)	3,549.72
	11/3/2015		(a)	55.89	(a)	3,549.66
	4/27/2016		(a)	55.94	(a)	3,549.61
	11/16/2016		(a)	56.14	(a)	3,549.41
	5/22/2017		(a)	56.14	(a)	3,549.41
	11/13/2017		(a)	56.67	(a)	3,548.88
	6/1/2018		(a)	56.25	(a)	3,549.30
	11/6/2018		(a)	56.49	(a)	3,549.06
	6/24/2019		(a)	55.88	(a)	3,549.67
	1/6/2020		(a)	55.95	(a)	3,549.60
	5/13/2020		(a)	56.25	(a)	3,549.30
	11/9/2020		(a)	56.68	(a)	3,548.87
	5/7/2021		(a)	56.66	(a)	3,548.89
	11/10/2021		(a)	55.60	(a)	3,549.95
	5/11/2022		(a)	55.90	(a)	3,549.65
	11/8/2022		(a)	56.55	(a)	3,549.00
MW-15	3/10/2009	3610.43	(a)	59.30	(a)	3,551.13
	10/8/2009		(a)	58.82	(a)	3,551.61
	3/22/2010		(a)	58.43	(a)	3,552.00
	4/17/2011		(a)	58.94	(a)	3,551.49
	12/22/2011		(a)	59.26	(a)	3,551.17
	4/17/2012		(a)	59.45	(a)	3,550.98
	10/15/2012		(a)	59.65	(a)	3,550.78
	1/22/2013		(a)	59.88	(a)	3,550.55
	4/15/2013		(a)	59.99	(a)	3,550.44
	11/3/2013	3611.24 (h)	(a)	60.10	(a)	3,551.14
	4/30/2014		(a)	60.36	(a)	3,550.88
	11/19/2014		(a)	60.38	(a)	3,550.86
	4/20/2015		(a)	60.50	(a)	3,550.74
	11/3/2015		(a)	60.73	(a)	3,550.51
	4/27/2016		(a)	60.81	(a)	3,550.43
	11/15/2016		(a)	60.75	(a)	3,550.49
	5/22/2017		(a)	60.67	(a)	3,550.57
	11/13/2017		(a)	61.20	(a)	3,550.04
	5/31/2018		(a)	61.11	(a)	3,550.13
	11/6/2018		(a)	61.16	(a)	3,550.08
	6/24/2019		(a)	61.14	(a)	3,550.10

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MW-15	1/6/2020		(a)	61.18	(a)	3,550.06
	5/12/2020		(a)	61.42	(a)	3,549.82
	11/9/2020		(a)	61.58	(a)	3,549.66
	5/7/2021		(a)	61.57	(a)	3,549.67
	11/10/2021		(a)	61.75	(a)	3,549.49
	5/11/2022		(a)	61.89	(a)	3,549.35
	11/9/2022		(a)	62.00	(a)	3,549.24
MW-16	3/10/2009	3612.41	65.25	65.26	0.01	3,547.16
	10/8/2009		65.91	65.92	0.01	3,546.50
	1/26/2010		(a)	65.57	(a)	3,546.84
	3/22/2010		(a)	65.19	sheen	3,547.22
	4/17/2011		(a)	65.36	(a)	3,547.05
	12/22/2011		(a)	65.99	sheen	3,546.42
	4/17/2012		65.58	65.59	0.01	3,546.83
	10/15/2012		(a)	66.55	(a)	3,545.86
	1/22/2013		(a)	66.32	(a)	3,546.09
	4/15/2013		(a)	66.17	(a)	3,546.24
	11/3/2013	3613.16 (h)	(a)	66.48	(a)	3,546.68
	4/30/2014		(a)	66.20	(a)	3,546.96
	11/19/2014		66.80	66.91	0.11	3,546.33
	4/20/2015		(a)	66.48	(a)	3,546.68
	11/3/2015		67.29	67.46	0.17	3,545.83
	4/27/2016		67.05	67.19	0.14	3,546.08
	11/16/2016		68.11	68.15	0.04	3,545.04
	5/22/2017		66.96	67.20	0.24	3,546.14
	7/14/2017		68.72	69.11	0.39	3,544.35
	7/28/2017		69.11	69.63	0.52	3,543.93
	8/7/2017		69.07	69.61	0.54	3,543.96
	9/9/2017		70.11	70.47	0.36	3,542.96
	11/13/2017		68.44	68.55	0.11	3,544.69
	5/31/2018		67.00	68.22	1.22	3,545.87
	11/6/2018		67.70	69.10	1.40	3,545.12
	6/24/2019		66.96	68.40	1.44	3,545.85
	1/6/2020		68.85	68.90	0.05	3,544.30
	5/12/2020		69.08	69.39	0.31	3,544.01
	11/9/2020		67.70	68.50	0.80	3,545.27
	1/18/2021		67.35	67.40	0.05	3,545.80
	2/10/2021		67.42	67.70	0.28	3,545.67
	3/8/2021		67.57	69.11	1.54	3,545.22
	4/5/2021		67.65	69.31	1.66	3,545.11
	5/7/2021		67.85	69.50	1.65	3,544.91
	6/9/2021		68.36	68.71	0.35	3,544.72
	7/10/2021		68.39	68.85	0.46	3,544.66
	8/2/2021		68.20	68.80	0.60	3,544.82
	9/1/2021		68.10	68.87	0.77	3,544.88
	10/5/2021		68.32	69.30	0.98	3,544.60
	11/3/2021		68.21	69.35	1.14	3,544.68
	11/10/2021		68.00	69.18	1.18	3,544.88
	12/2/2021		68.00	69.18	1.18	3,544.88
	1/10/2022		67.81	69.17	1.36	3,545.02
	2/11/2022		67.58	69.03	1.45	3,545.23
	3/1/2022		67.70	69.30	1.60	3,545.08
	4/4/2022		67.66	69.60	1.94	3,545.03
	5/11/2022		67.55	69.10	1.55	3,545.24
	6/1/2022		67.70	69.32	1.62	3,545.07
	7/18/2022		67.92	69.83	1.91	3,544.78
	8/10/2022		67.98	70.00	2.02	3,544.70
	9/1/2022		67.95	70.08	2.13	3,544.70
	10/11/2022		67.95	70.28	2.33	3,544.65
	11/9/2022		67.75	70.10	2.35	3,544.85

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MW-17	3/10/2009	3608.43 (d)	(a)	61.20	(a)	3,547.23
	10/8/2009		(a)	61.64	(a)	3,546.79
	3/22/2010		(a)	60.95	(a)	3,547.48
	4/17/2011		(a)	61.11	(a)	3,547.32
	12/22/2011		(a)	61.42	(a)	3,547.01
	4/17/2012		(a)	61.43	(a)	3,547.00
	10/15/2012		(a)	61.95	(a)	3,546.48
	1/22/2013		(a)	62.17	(a)	3,546.26
	4/15/2013		(a)	61.97	(a)	3,546.46
	11/3/2013	3609.20 (h)	(a)	62.23	(a)	3,546.97
	4/30/2014		(a)	62.12	(a)	3,547.08
	11/19/2014		(a)	62.40	(a)	3,546.80
	4/20/2015		(a)	62.21	(a)	3,546.99
	11/3/2015		(a)	62.91	(a)	3,546.29
	4/27/2016		(a)	62.51	(a)	3,546.69
	11/15/2016		(a)	63.37	(a)	3,545.83
	5/22/2017		(a)	62.89	(a)	3,546.31
	11/13/2017		(a)	63.92	(a)	3,545.28
	5/31/2018		(a)	63.11	(a)	3,546.09
	11/6/2018		(a)	63.48	(a)	3,545.72
	6/23/2019		(a)	63.05	(a)	3,546.15
	1/6/2020		(a)	63.00	(a)	3,546.20
	2/13/2020		(a)	63.23	(a)	3,545.97
	5/12/2020		(a)	63.25	(a)	3,545.95
	11/9/2020		(a)	63.56	(a)	3,545.64
	5/7/2021		(a)	72.62	(a)	3,536.58
	11/10/2021		(a)	63.65	(a)	3,545.55
	5/11/2022		(a)	63.47	(a)	3,545.73
	11/9/2022		(a)	63.70	(a)	3,545.50
MW-20	3/10/2009	3600.65	(a)	52.08	(a)	3,548.57
	10/8/2009		(a)	58.30	(a)	3,542.35
	10/9/2009		(a)	55.57	(a)	3,545.08
	3/22/2010		(a)	52.62	(a)	3,548.03
	4/17/2011		(a)	52.43	(a)	3,548.22
	12/22/2011		(a)	58.35	(a)	3,542.30
	4/17/2012		(a)	53.50	(a)	3,547.15
	10/15/2012		(a)	54.92	(a)	3,545.73
	1/22/2013		(a)	54.13	(a)	3,546.52
	4/15/2013		(a)	53.90	(a)	3,546.75
	11/3/2013	3601.34 (h)	(a)	54.35	(a)	3,546.99
	4/30/2014		(a)	54.28	(a)	3,547.06
	11/19/2014		(a)	55.82	(a)	3,545.52
	4/21/2015		(a)	53.24	(a)	3,548.10
	11/3/2015		(a)	52.47	(a)	3,548.87
	4/28/2016		(a)	53.13	(a)	3,548.21
	11/16/2016		(a)	54.28	(a)	3,547.06
	5/22/2017		(a)	53.43	(a)	3,547.91
	11/13/2017		(a)	56.10	(a)	3,545.24
	6/1/2018		(a)	54.03	(a)	3,547.31
	11/6/2018		(a)	50.93	(a)	3,550.41
	6/24/2019		(a)	52.00	(a)	3,549.34
	1/6/2020		(a)	52.45	(a)	3,548.89
	5/13/2020		(a)	52.70	(a)	3,548.64
	11/9/2020		(a)	53.90	(a)	3,547.44
	5/7/2021		(a)	53.91	(a)	3,547.43
	11/10/2021		(a)	52.53	(a)	3,548.81
	5/12/2022		(a)	52.90	(a)	3,548.44
	11/8/2022		(a)	52.80	(a)	3,548.54
MW-21	3/10/2009	3611.99 (d)	(a)	65.43	(a)	3,546.56

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MW-21	10/8/2009		(a)	66.30	(a)	3,545.69
	1/26/2010		(a)	65.79	(a)	3,546.20
	3/22/2010		(a)	65.31	(a)	3,546.68
	4/17/2011		(a)	65.02	(a)	3,546.97
	12/22/2011		(a)	65.28	(a)	3,546.71
	4/17/2012		(a)	65.44	(a)	3,546.55
	10/15/2012		(a)	65.57	(a)	3,546.42
	1/22/2013		(a)	65.51	(a)	3,546.48
	4/15/2013		(a)	65.54	(a)	3,546.45
	11/3/2013	3612.71 (h)	(a)	66.08	(a)	3,546.63
	4/30/2014		(a)	65.82	(a)	3,546.89
	11/19/2014		(a)	66.17	(a)	3,546.54
	4/20/2015		(a)	66.08	(a)	3,546.63
	11/3/2015		(a)	66.15	(a)	3,546.56
	4/27/2016		(a)	66.34	(a)	3,546.37
	11/15/2016		(a)	66.43	(a)	3,546.28
	5/22/2017		(a)	66.32	(a)	3,546.39
	7/14/2017		(a)	67.38	(a)	3,545.33
	7/28/2017		(a)	67.28	(a)	3,545.43
	8/7/2017		(a)	67.17	(a)	3,545.54
	9/9/2017		(a)	67.53	(a)	3,545.18
	11/13/2017		(a)	66.65	(a)	3,546.06
	5/31/2018		(a)	66.77	(a)	3,545.94
	11/6/2018		(a)	66.88	(a)	3,545.83
	6/23/2019		(a)	66.60	(a)	3,546.11
	11/19/2019		(a)	66.98	(a)	3,545.73
	5/13/2020		(a)	66.70	(a)	3,546.01
	11/9/2020		(a)	66.65	(a)	3,546.06
	5/7/2021		(a)	66.58	(a)	3,546.13
	11/10/2021		(a)	67.30	(a)	3,545.41
	5/11/2022		(a)	67.15	(a)	3,545.56
	11/9/2022		(a)	67.78	(a)	3,544.93
MW-22	3/10/2009	3606.04	(a)	57.14	(a)	3,548.90
	10/8/2009		(a)	58.25	(a)	3,547.79
	3/22/2010		(a)	57.33	(a)	3,548.71
	4/17/2011		(a)	57.38	(a)	3,548.66
	12/22/2011		(a)	58.65	(a)	3,547.39
	4/17/2012		(a)	57.88	(a)	3,548.16
	10/15/2012		(a)	58.93	(a)	3,547.11
	1/22/2013		(a)	58.60	(a)	3,547.44
	4/15/2013		(a)	58.36	(a)	3,547.68
	11/3/2013	3606.62 (h)	(a)	58.94	(a)	3,547.68
	4/30/2014		(a)	58.49	(a)	3,548.13
	11/19/2014		(a)	59.38	(a)	3,547.24
	4/21/2015		(a)	58.56	(a)	3,548.06
	11/3/2015		(a)	58.42	(a)	3,548.20
	4/28/2016		(a)	58.38	(a)	3,548.24
	11/16/2016		(a)	59.33	(a)	3,547.29
	5/22/2017		(a)	58.47	(a)	3,548.15
	11/13/2017		(a)	59.63	(a)	3,546.99
	6/1/2018		(a)	58.96	(a)	3,547.66
	11/6/2018		(a)	58.59	(a)	3,548.03
	6/24/2019		(a)	57.75	(a)	3,548.87
	1/6/2020		(a)	58.01	(a)	3,548.61
	5/13/2020		(a)	58.10	(a)	3,548.52
	11/9/2020		(a)	58.78	(a)	3,547.84
	5/7/2021		(a)	58.74	(a)	3,547.88
	11/10/2021		(a)	58.11	(a)	3,548.51
	5/12/2022		(a)	58.25	(a)	3,548.37

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MW-22	11/8/2022		(a)	58.45	(a)	3,548.17
MW-24 D	3/10/2009	3595.95 (c)	(a)	56.62	(a)	3,539.33
	10/8/2009		(a)	61.13	(a)	3,534.82
	3/22/2010		(a)	56.22	(a)	3,539.73
	4/17/2011		(a)	58.73	(a)	3,537.22
	12/22/2011		(a)	60.28	(a)	3,535.67
	4/17/2012		(a)	61.39	(a)	3,534.56
	10/15/2012		(a)	65.33	(a)	3,530.62
	1/22/2013		(a)	61.26	(a)	3,534.69
	4/15/2013		(a)	62.76	(a)	3,533.19
	11/3/2013	3596.80 (h)	(a)	64.42	(a)	3,532.38
	4/30/2014		(a)	62.91	(a)	3,533.89
	11/19/2014		(a)	61.76	(a)	3,535.04
	4/21/2015		(a)	59.61	(a)	3,537.19
	11/3/2015		(a)	61.03	(a)	3,535.77
	4/28/2016		(a)	59.44	(a)	3,537.36
	11/16/2016		(a)	61.59	(a)	3,535.21
	5/22/2017		(a)	61.03	(a)	3,535.77
	11/13/2017		(a)	62.67	(a)	3,534.13
	6/1/2018		(a)	62.90	(a)	3,533.90
	11/6/2018		(a)	62.78	(a)	3,534.02
	6/24/2019		(a)	61.91	(a)	3,534.89
	1/6/2020		(a)	61.90	(a)	3,534.90
	5/13/2020		(a)	63.05	(a)	3,533.75
	11/10/2020		(a)	66.20	(a)	3,530.60
	5/7/2021		(a)	65.78	(a)	3,531.02
	11/10/2021		(a)	64.45	(a)	3,532.35
	5/12/2022		(a)	65.00	(a)	3,531.80
	11/9/2022		(a)	65.27	(a)	3,531.53
MW-26	3/10/2009	3597.75 (c)	(a)	50.11	(a)	3,547.64
	10/8/2009		(a)	52.35	(a)	3,545.40
	3/22/2010		(a)	50.52	(a)	3,547.23
	4/17/2011		(a)	50.45	(a)	3,547.30
	12/22/2011		(a)	51.70	(a)	3,546.05
	4/17/2012		(a)	51.24	(a)	3,546.51
	10/15/2012		(a)	52.55	(a)	3,545.20
	1/22/2013		(a)	51.95	(a)	3,545.80
	4/15/2013		(a)	51.70	(a)	3,546.05
	11/3/2013	3598.43 (h)	(a)	52.22	(a)	3,546.21
	4/30/2014		(a)	51.86	(a)	3,546.57
	11/19/2014		(a)	52.21	(a)	3,546.22
	4/21/2015		(a)	50.91	(a)	3,547.52
	11/3/2015		(a)	50.61	(a)	3,547.82
	4/28/2016		(a)	50.73	(a)	3,547.70
	11/16/2016		(a)	51.62	(a)	3,546.81
	5/22/2017		(a)	51.03	(a)	3,547.40
	11/13/2017		(a)	52.42	(a)	3,546.01
	6/1/2018		(a)	51.52	(a)	3,546.91
	11/6/2018		(a)	49.89	(a)	3,548.54
	6/24/2019		(a)	49.77	(a)	3,548.66
	1/6/2020		(a)	50.10	(a)	3,548.33
	5/13/2020		(a)	50.43	(a)	3,548.00
	11/9/2020		(a)	51.40	(a)	3,547.03
	5/7/2021		(a)	51.41	(a)	3,547.02
	11/10/2021		(a)	50.18	(a)	3,548.25
	5/12/2022		(a)	55.53	(a)	3,542.90
	11/8/2022		(a)	61.25	(a)	3,537.18
MW-27	3/10/2009	3615.11 (d)	67.85	68.18	0.33	3,547.18
	10/8/2009		68.38	68.89	0.51	3,546.61

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MW-27	1/26/2010		68.48	68.88	0.40	3,546.53
	3/22/2010		68.31	68.73	0.42	3,546.70
	4/17/2011		68.10	68.26	0.16	3,546.97
	12/22/2011		68.21	68.35	0.14	3,546.87
	4/17/2012		67.38	67.52	0.14	3,547.70
	10/15/2012		68.31	68.54	0.23	3,546.74
	1/22/2013		68.45	68.67	0.22	3,546.61
	4/15/2013		65.92	67.07	1.15	3,548.91
	5/16/2013		68.47	69.77	1.30	3,546.33
	11/3/2013	3615.76 (h)	(a)	68.19	(a)	3,547.57
	11/13/2013		68.29	68.30	0.01	3,547.47
	4/30/2014		68.61	68.63	0.02	3,547.15
	11/19/2014		68.96	68.97	0.01	3,546.80
	4/20/2015		68.96	68.97	0.01	3,546.80
	11/3/2015		(a)	69.07	(a)	3,546.69
	4/27/2016		(a)	69.18	(a)	3,546.58
	11/15/2016		(a)	69.23	(a)	3,546.53
	5/22/2017		(a)	69.19	(a)	3,546.57
	11/13/2017		(a)	69.55	(a)	3,546.21
	5/30/2018		(a)	69.55	(a)	3,546.21
	11/6/2018		(a)	69.57	(a)	3,546.19
	6/23/2019		(a)	69.43	(a)	3,546.33
	11/19/2019		(a)	69.47	(a)	3,546.29
	5/12/2020		(a)	69.69	(a)	3,546.07
	11/9/2020		(a)	69.72	(a)	3,546.04
	5/7/2021		(a)	68.81	(a)	3,546.95
	11/10/2021		(a)	69.92	(a)	3,545.84
	5/11/2022		(a)	70.00	(a)	3,545.76
	11/9/2022		(a)	70.20	(a)	3,545.56
MW-28	3/10/2009	3615.90 (d)	(a)	68.70	(a)	3,547.20
	10/8/2009		(a)	68.94	(a)	3,546.96
	3/22/2010		(a)	68.71	(a)	3,547.19
	4/17/2011		(a)	68.95	(a)	3,546.95
	12/22/2011		(a)	69.01	(a)	3,546.89
	4/17/2012		(a)	69.20	(a)	3,546.70
	10/15/2012		(a)	69.30	(a)	3,546.60
	1/22/2013		(a)	69.48	(a)	3,546.42
	4/15/2013		(a)	69.57	(a)	3,546.33
	11/3/2013	3616.62 (h)	(a)	69.61	(a)	3,547.01
	4/30/2014		(a)	69.78	(a)	3,546.84
	11/19/2014		(a)	69.82	(a)	3,546.80
	4/20/2015		(a)	70.21	(a)	3,546.41
	11/3/2015		(a)	70.40	(a)	3,546.22
	4/27/2016		(a)	70.42	(a)	3,546.20
	11/15/2016		(a)	70.47	(a)	3,546.15
	5/22/2017		(a)	70.44	(a)	3,546.18
	11/13/2017		(a)	70.45	(a)	3,546.17
	5/30/2018		(a)	71.72	(a)	3,544.90
	11/6/2018		(a)	70.81	(a)	3,545.81
	6/23/2019		(a)	70.68	(a)	3,545.94
	11/19/2019		(a)	70.53	(a)	3,546.09
	5/12/2020		(a)	71.47	(a)	3,545.15
	11/9/2020		(a)	71.80	(a)	3,544.82
	5/7/2021		(a)	71.10	(a)	3,545.52
	11/10/2021		(a)	71.80	(a)	3,544.82
	5/11/2022		(a)	71.40	(a)	3,545.22
	11/9/2022		(a)	72.00	(a)	3,544.62
MW-29	3/10/2009	3613.54 (d)	(a)	67.86	(a)	3,545.68
	10/8/2009		(a)	68.82	(a)	3,544.72

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MW-29	3/22/2010		(a)	68.04	(a)	3,545.50
	4/17/2011		(a)	67.78	(a)	3,545.76
	12/22/2011		(a)	68.15	(a)	3,545.39
	4/17/2012		(a)	68.41	(a)	3,545.13
	10/15/2012		(a)	68.10	(a)	3,545.44
	1/22/2013		(a)	68.33	(a)	3,545.21
	4/15/2013		(a)	68.34	(a)	3,545.20
	11/3/2013	3614.22 (h)	(a)	69.47	(a)	3,544.75
	4/30/2014		(a)	69.53	(a)	3,544.69
	11/19/2014		(a)	69.67	(a)	3,544.55
	4/20/2015		(a)	69.65	(a)	3,544.57
	11/3/2015		(a)	69.90	(a)	3,544.32
	4/27/2016		(a)	69.78	(a)	3,544.44
	11/15/2016		(a)	70.13	(a)	3,544.09
	5/22/2017		(a)	70.03	(a)	3,544.19
	11/13/2017		(a)	70.45	(a)	3,543.77
	5/30/2018		(a)	72.00	(a)	3,542.22
	11/6/2018		(a)	67.53	(a)	3,546.69
	6/23/2019		(a)	69.99	(a)	3,544.23
	11/19/2019		(a)	70.00	(a)	3,544.22
	5/12/2020		(a)	70.55	(a)	3,543.67
	11/9/2020		(a)	70.95	(a)	3,543.27
	5/7/2021		(a)	70.89	(a)	3,543.33
	11/10/2021		(a)	70.95	(a)	3,543.27
	5/11/2022		(a)	70.85	(a)	3,543.37
	11/9/2022		(a)	71.08	(a)	3,543.14
MW-30	3/10/2009	3612.63 (d)	(a)	65.83	(a)	3,546.80
	10/8/2009		(a)	65.97	(a)	3,546.66
	3/22/2010		(a)	65.81	(a)	3,546.82
	4/17/2011		(a)	66.13	(a)	3,546.50
	12/22/2011		(a)	66.20	(a)	3,546.43
	4/17/2012		(a)	66.30	(a)	3,546.33
	10/15/2012		(a)	66.48	(a)	3,546.15
	1/22/2013		(a)	66.61	(a)	3,546.02
	4/15/2013		(a)	66.57	(a)	3,546.06
	11/3/2013	3613.33 (h)	(a)	66.84	(a)	3,546.49
	4/30/2014		(a)	66.86	(a)	3,546.47
	11/19/2014		(a)	66.97	(a)	3,546.36
	4/20/2015		(a)	70.23	(a)	3,543.10
	11/3/2015		(a)	67.22	(a)	3,546.11
	4/27/2016		(a)	67.21	(a)	3,546.12
	11/15/2016		(a)	67.32	(a)	3,546.01
	5/22/2017		(a)	67.34	(a)	3,545.99
	11/13/2017		(a)	67.59	(a)	3,545.74
	5/30/2018		(a)	67.41	(a)	3,545.92
	11/6/2018		(a)	67.50	(a)	3,545.83
	6/23/2019		(a)	67.62	(a)	3,545.71
	11/19/2019		(a)	67.59	(a)	3,545.74
	5/12/2020		(a)	67.87	(a)	3,545.46
	11/9/2020		(a)	67.90	(a)	3,545.43
	5/7/2021		(a)	67.99	(a)	3,545.34
	11/10/2021		(a)	68.03	(a)	3,545.30
	5/11/2022		(a)	67.99	(a)	3,545.34
	11/9/2022		(a)	68.41	(a)	3,544.92
MW-32	3/10/2009	3608.73 (e)	(a)	65.01	(a)	3,543.72
	10/8/2009		(a)	66.29	(a)	3,542.44
	3/22/2010		(a)	65.44	(a)	3,543.29
	4/17/2011		(a)	65.15	(a)	3,543.58
	12/22/2011		(a)	65.42	(a)	3,543.31
	4/17/2012		(a)	66.03	(a)	3,542.70

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MW-32	10/15/2012		(a)	65.59	(a)	3,543.14
	1/22/2013		(a)	65.94	(a)	3,542.79
	4/15/2013		(a)	66.33	(a)	3,542.40
	11/3/2013	3609.49 (h)	(a)	66.95	(a)	3,542.54
	4/30/2014		(a)	67.41	(a)	3,542.08
	11/19/2014		(a)	67.34	(a)	3,542.15
	4/20/2015		(a)	67.08	(a)	3,542.41
	11/3/2015		(a)	67.51	(a)	3,541.98
	4/27/2016		(a)	67.16	(a)	3,542.33
	11/15/2016		(a)	67.46	(a)	3,542.03
	5/22/2017		(a)	67.50	(a)	3,541.99
	11/13/2017		(a)	67.77	(a)	3,541.72
	5/30/2018		(a)	67.62	(a)	3,541.87
	11/6/2018		(a)	67.87	(a)	3,541.62
	6/23/2019		(a)	67.84	(a)	3,541.65
	11/19/2019		(a)	67.76	(a)	3,541.73
	5/12/2020		(a)	68.33	(a)	3,541.16
	11/9/2020		(a)	68.55	(a)	3,540.94
	5/7/2021		(a)	68.58	(a)	3,540.91
	11/10/2021		(a)	70.88	(a)	3,538.61
	5/11/2022		(a)	68.55	(a)	3,540.94
	11/9/2022		(a)	68.65	(a)	3,540.84
MW-33	3/10/2009	3610.55 (e)	(a)	63.81	(a)	3,546.74
	10/8/2009		(a)	63.95	(a)	3,546.60
	3/22/2010		(a)	63.94	(a)	3,546.61
	4/17/2011		(a)	64.28	(a)	3,546.27
	12/22/2011		(a)	64.42	(a)	3,546.13
	4/17/2012		(a)	64.57	(a)	3,545.98
	10/15/2012		(a)	64.63	(a)	3,545.92
	1/22/2013		(a)	64.76	(a)	3,545.79
	4/15/2013		(a)	64.82	(a)	3,545.73
	11/3/2013	3611.37 (h)	(a)	64.86	(a)	3,546.51
	4/30/2014		(a)	65.05	(a)	3,546.32
	11/19/2014		(a)	65.08	(a)	3,546.29
	4/20/2015		(a)	65.20	(a)	3,546.17
	11/3/2015		(a)	65.38	(a)	3,545.99
	4/27/2016		(a)	65.45	(a)	3,545.92
	11/15/2016		(a)	65.55	(a)	3,545.82
	5/22/2017		(a)	65.69	(a)	3,545.68
	11/13/2017		(a)	65.88	(a)	3,545.49
	5/30/2018		(a)	65.75	(a)	3,545.62
	11/6/2018		(a)	65.86	(a)	3,545.51
	6/23/2019		(a)	65.95	(a)	3,545.42
	11/19/2019		(a)	65.95	(a)	3,545.42
	5/12/2020		(a)	66.27	(a)	3,545.10
	11/9/2020		(a)	66.34	(a)	3,545.03
	5/7/2021		(a)	66.32	(a)	3,545.05
	11/10/2021		(a)	66.50	(a)	3,544.87
	5/11/2022		(a)	66.51	(a)	3,544.86
	11/9/2022		(a)	67.30	(a)	3,544.07
MW-34	3/10/2009	3605.05 (f)	(a)	61.57	(a)	3,543.48
	10/8/2009		(a)	62.61	(a)	3,542.44
	3/22/2010		(a)	61.93	(a)	3,543.12
	4/17/2011		(a)	61.98	(a)	3,543.07
	12/22/2011		(a)	62.49	(a)	3,542.56
	4/17/2012		(a)	62.77	(a)	3,542.28
	10/15/2012		(a)	62.80	(a)	3,542.25
	1/22/2013		(a)	63.14	(a)	3,541.91
	4/15/2013		(a)	63.25	(a)	3,541.80

Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MW-34	11/3/2013	3605.76 (h)	(a)	63.81	(a)	3,541.95
	4/30/2014		(a)	63.99	(a)	3,541.77
	11/19/2014		(a)	64.08	(a)	3,541.68
	4/20/2015		(a)	63.82	(a)	3,541.94
	11/3/2015		(a)	64.20	(a)	3,541.56
	4/27/2016		(a)	63.73	(a)	3,542.03
	11/15/2016		(a)	64.20	(a)	3,541.56
	5/22/2017		(a)	64.09	(a)	3,541.67
	11/13/2017		(a)	64.51	(a)	3,541.25
	5/30/2018		(a)	64.35	(a)	3,541.41
	11/6/2018		(a)	64.63	(a)	3,541.13
	6/23/2019		(a)	64.51	(a)	3,541.25
	11/19/2019		(a)	64.69	(a)	3,541.07
	5/12/2020		(a)	65.01	(a)	3,540.75
	11/9/2020		(a)	65.30	(a)	3,540.46
	5/7/2021		(a)	65.34	(a)	3,540.42
	11/10/2021		(a)	65.45	(a)	3,540.31
	5/11/2022		(a)	64.97	(a)	3,540.79
	11/9/2022		(a)	65.21	(a)	3,540.55
MW-35	3/10/2009	3601.87 (f)	(a)	58.40	(a)	3,543.47
	10/8/2009		(a)	59.42	(a)	3,542.45
	3/22/2010		(a)	58.85	(a)	3,543.02
	4/17/2011		(a)	58.89	(a)	3,542.98
	12/22/2011		(a)	59.60	(a)	3,542.27
	4/17/2012		(a)	59.76	(a)	3,542.11
	10/15/2012		(a)	59.91	(a)	3,541.96
	1/22/2013		(a)	60.14	(a)	3,541.73
	4/15/2013		(a)	60.28	(a)	3,541.59
	11/3/2013	3602.61 (h)	(a)	60.81	(a)	3,541.80
	4/30/2014		(a)	61.17	(a)	3,541.44
	11/19/2014		(a)	61.01	(a)	3,541.60
	4/20/2015		(a)	60.80	(a)	3,541.81
	11/3/2015		(a)	61.17	(a)	3,541.44
	4/27/2016		(a)	60.71	(a)	3,541.90
	11/15/2016		(a)	61.17	(a)	3,541.44
	5/22/2017		(a)	61.05	(a)	3,541.56
	11/13/2017		(a)	61.51	(a)	3,541.10
	5/30/2018		(a)	61.72	(a)	3,540.89
	11/6/2018		(a)	61.99	(a)	3,540.62
	6/23/2019		(a)	61.63	(a)	3,540.98
	11/19/2019		(a)	62.21	(a)	3,540.40
	5/12/2020		(a)	62.3	(a)	3,540.31
	11/9/2020		(a)	62.67	(a)	3,539.94
	5/7/2021		(a)	62.67	(a)	3,539.94
	11/10/2021		(a)	62.68	(a)	3,539.93
	5/11/2022		(a)	62.40	(a)	3,540.21
	11/9/2022		(a)	62.35	(a)	3,540.26
MW-37	3/10/2009	3599.86 (g)	(a)	56.53	(a)	3,543.33
	10/8/2009		(a)	57.46	(a)	3,542.40
	3/22/2010		(a)	56.98	(a)	3,542.88
	4/17/2011		(a)	57.06	(a)	3,542.80
	12/22/2011		(a)	57.58	(a)	3,542.28
	4/17/2012		(a)	57.88	(a)	3,541.98
	10/15/2012		(a)	58.18	(a)	3,541.68
	1/22/2013		(a)	58.43	(a)	3,541.43
	4/15/2013		(a)	58.47	(a)	3,541.39
	11/3/2013	3600.58 (h)	(a)	58.99	(a)	3,541.59
	11/13/2013		(a)	58.96	(a)	3,541.62
	4/30/2014		(a)	59.20	(a)	3,541.38

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MW-37	11/19/2014		(a)	59.20	(a)	3,541.38
	4/20/2015		(a)	58.95	(a)	3,541.63
	11/3/2015		(a)	59.31	(a)	3,541.27
	4/27/2016		(a)	58.78	(a)	3,541.80
	11/15/2016		(a)	59.31	(a)	3,541.27
	5/22/2017		(a)	59.13	(a)	3,541.45
	11/13/2017		(a)	59.61	(a)	3,540.97
	5/30/2018		(a)	59.43	(a)	3,541.15
	11/6/2018		(a)	59.76	(a)	3,540.82
	6/23/2019		(a)	59.54	(a)	3,541.04
	11/19/2019		(a)	59.85	(a)	3,540.73
	5/12/2020		(a)	60.08	(a)	3,540.50
	11/9/2020		(a)	60.47	(a)	3,540.11
	5/7/2021		(a)	60.42	(a)	3,540.16
	11/10/2021		(a)	60.32	(a)	3,540.26
	5/11/2022		(a)	60.07	(a)	3,540.51
	11/9/2022		(a)	60.10	(a)	3,540.48
MW-39	8/16/2013	3597.38 (h)	(a)	51.64	(a)	3,545.74
	11/3/2013		(a)	51.08	(a)	3,546.30
	4/30/2014		(a)	50.74	(a)	3,546.64
	11/19/2014		(a)	50.69	(a)	3,546.69
	4/21/2015		(a)	49.97	(a)	3,547.41
	11/3/2015		(a)	49.81	(a)	3,547.57
	4/28/2016		(a)	49.96	(a)	3,547.42
	11/16/2016		(a)	50.43	(a)	3,546.95
	5/22/2017		(a)	49.99	(a)	3,547.39
	11/13/2017		(a)	50.82	(a)	3,546.56
	6/1/2018		(a)	50.40	(a)	3,546.98
	11/6/2018		(a)	49.42	(a)	3,547.96
	6/24/2019		(a)	48.97	(a)	3,548.41
	1/6/2020		(a)	49.40	(a)	3,547.98
	5/13/2020		(a)	49.54	(a)	3,547.84
	11/10/2020		(a)	50.50	(a)	3,546.88
	5/7/2021		(a)	50.39	(a)	3,546.99
	11/10/2021		(a)	49.37	(a)	3,548.01
	5/12/2022		(a)	49.71	(a)	3,547.67
	11/9/2022		(a)	50.35	(a)	3,547.03
MW-40	8/16/2013	3596.48 (h)	(a)	54.25	(a)	3,542.23
	11/3/2013		(a)	54.21	(a)	3,542.27
	4/30/2014		(a)	53.78	(a)	3,542.70
	11/19/2014		(a)	54.23	(a)	3,542.25
	4/21/2015		(a)	52.91	(a)	3,543.57
	11/3/2015		(a)	53.21	(a)	3,543.27
	4/28/2016		(a)	52.56	(a)	3,543.92
	11/16/2016		(a)	53.55	(a)	3,542.93
	5/22/2017		(a)	52.98	(a)	3,543.50
	11/13/2017		(a)	54.11	(a)	3,542.37
	6/1/2018		(a)	53.60	(a)	3,542.88
	11/6/2018		(a)	54.24	(a)	3,542.24
	6/24/2019		(a)	53.20	(a)	3,543.28
	1/6/2020		(a)	54.30	(a)	3,542.18
	5/13/2020		(a)	54.25	(a)	3,542.23
	11/10/2020		(a)	54.90	(a)	3,541.58
	5/7/2021		(a)	54.72	(a)	3,541.76
	11/10/2021		(a)	54.45	(a)	3,542.03
	5/12/2022		(a)	54.13	(a)	3,542.35
	11/9/2022		(a)	55.06	(a)	3,541.42
MW-41	8/16/2013	3601.73 (h)	(a)	56.57	(a)	3,545.16
	11/3/2013		(a)	56.63	(a)	3,545.10
	4/30/2014		(a)	56.76	(a)	3,544.97

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MW-41	11/19/2014		(a)	56.96	(a)	3,544.77
	4/21/2015		(a)	56.58	(a)	3,545.15
	11/3/2015		(a)	56.61	(a)	3,545.12
	4/28/2016		(a)	56.36	(a)	3,545.37
	11/16/2016		(a)	56.72	(a)	3,545.01
	5/22/2017		(a)	56.58	(a)	3,545.15
	11/13/2017		(a)	57.12	(a)	3,544.61
	6/1/2018		(a)	56.90	(a)	3,544.83
	11/6/2018		(a)	57.15	(a)	3,544.58
	6/24/2019		(a)	56.85	(a)	3,544.88
	1/6/2020		(a)	57.20	(a)	3,544.53
	5/13/2020		(a)	57.00	(a)	3,544.73
	11/10/2020		(a)	57.65	(a)	3,544.08
	5/7/2021		(a)	57.57	(a)	3,544.16
	11/10/2021		(a)	57.52	(a)	3,544.21
	5/12/2022		(a)	57.21	(a)	3,544.52
	11/9/2022		(a)	57.30	(a)	3,544.43
MW-42	8/16/2013	3595.21 (h)	(a)	56.42	(a)	3,538.79
	11/3/2013		(a)	56.28	(a)	3,538.93
	4/30/2014		(a)	55.16	(a)	3,540.05
	11/19/2014		(a)	55.25	(a)	3,539.96
	4/21/2015		(a)	53.18	(a)	3,542.03
	11/3/2015		(a)	54.27	(a)	3,540.94
	4/28/2016		(a)	52.95	(a)	3,542.26
	5/22/2017		(a)	53.71	(a)	3,541.50
	11/13/2017		(a)	55.46	(a)	3,539.75
	6/1/2018		(a)	54.55	(a)	3,540.66
	11/6/2018		(a)	55.83	(a)	3,539.38
	6/24/2019		(a)	54.29	(a)	3,540.92
	1/6/2020		(a)	55.58	(a)	3,539.63
	5/13/2020		(a)	54.81	(a)	3,540.40
	11/10/2020		(a)	57.00	(a)	3,538.21
	5/7/2021		(a)	56.50	(a)	3,538.71
	11/10/2021		(a)	55.75	(a)	3,539.46
	5/12/2022		(a)	55.85	(a)	3,539.36
	11/9/2022		(a)	56.95	(a)	3,538.26
MPE-7	3/10/2009	NA	(a)	67.79	(a)	NA
	10/8/2009		(a)	69.75	(a)	NA
	3/22/2010		(a)	67.62	(a)	NA
	4/17/2011		(a)	67.15	(a)	NA
	12/22/2011		(a)	67.07	(a)	NA
	4/17/2012		(a)	67.50	(a)	NA
	10/15/2012		(a)	67.44	(a)	NA
	4/15/2013		(a)	67.63	(a)	NA
	11/3/2013	3614.16 (h)	(a)	67.93	(a)	3,546.23
	5/1/2014		(a)	68.07	(a)	3,546.09
	11/20/2014		(a)	68.21	(a)	3,545.95
	11/3/2015		(a)	68.29	(a)	3,545.87
	4/27/2016		(a)	68.36	(a)	3,545.80
	11/15/2016		(a)	68.46	(a)	3,545.70
	2/2/2017		(a)	68.15	(a)	3,546.01
	2/15/2017		(a)	67.50	(a)	3,546.66
	2/25/2017		(a)	65.67	(a)	3,548.49
	3/20/2017		(a)	66.15	(a)	3,548.01
	5/22/2017		(a)	68.53	(a)	3,545.63
	11/13/2017		(a)	68.87	(a)	3,545.29
	5/30/2018		(a)	68.96	(a)	3,545.20
	11/6/2018		(a)	69.06	(a)	3,545.10
	6/23/2019		(a)	68.53	(a)	3,545.63

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-7	11/18/2019		(a)	68.40	(a)	3,545.76
	5/12/2020		(a)	68.78	(a)	3,545.38
	11/9/2020		(a)	68.85	(a)	3,545.31
	5/7/2021		(a)	69.67	(a)	3,544.49
	11/10/2021		(a)	69.25	(a)	3,544.91
	5/11/2022		(a)	69.33	(a)	3,544.83
	11/9/2022		(a)	69.92	(a)	3,544.24
MPE-8	3/10/2009	NA	(a)	65.06	(a)	NA
	10/8/2009		(a)	65.79	(a)	NA
	3/22/2010		(a)	65.53	(a)	NA
	4/17/2011		(a)	65.30	(a)	NA
	12/22/2011		(a)	65.58	(a)	NA
	4/17/2012		(a)	65.71	(a)	NA
	10/15/2012		(a)	65.62	(a)	NA
	4/15/2013		(a)	65.41	(a)	NA
	11/3/2013	3612.35 (h)	(a)	66.55	(a)	3,545.80
	5/1/2014		(a)	66.47	(a)	3,545.88
	11/20/2014		(a)	66.76	(a)	3,545.59
	11/3/2015		(a)	66.89	(a)	3,545.46
	4/27/2016		(a)	66.65	(a)	3,545.70
	11/15/2016		(a)	67.28	(a)	3,545.07
	2/2/2017		(a)	66.61	(a)	3,545.74
	2/15/2017		(a)	64.57	(a)	3,547.78
	2/25/2017		(a)	63.55	(a)	3,548.80
	3/20/2017		(a)	64.15	(a)	3,548.20
	5/22/2017		(a)	66.87	(a)	3,545.48
	11/13/2017		(a)	67.78	(a)	3,544.57
	5/30/2018		(a)	67.35	(a)	3,545.00
	11/6/2018		(a)	67.70	(a)	3,544.65
	7/24/2019		(a)	66.30	(a)	3,546.05
	11/19/2019		(a)	67.10	(a)	3,545.25
	5/12/2020		(a)	67.55	(a)	3,544.80
	11/9/2020		(a)	67.80	(a)	3,544.55
	5/7/2021		(a)	67.80	(a)	3,544.55
	11/10/2021		(a)	68.05	(a)	3,544.30
	5/11/2022		(a)	67.65	(a)	3,544.70
	11/9/2022		(a)	67.97	(a)	3,544.38
MPE-9	3/10/2009	NA	(a)	67.24	(a)	NA
	10/8/2009		(a)	67.79	(a)	NA
	1/26/2010		67.92	67.93	0.01	NA
	3/22/2010		(a)	67.82	(a)	NA
	4/17/2011		(a)	67.49	(a)	NA
	12/22/2011		(a)	67.61	(a)	NA
	4/17/2012		(a)	67.87	(a)	NA
	10/15/2012		(a)	67.70	(a)	NA
	4/15/2013		(a)	67.92	(a)	NA
	11/3/2013	3615.40 (h)	(a)	67.32	(a)	3,548.08
	5/1/2014		(a)	68.11	(a)	3,547.29
	11/20/2014		(a)	68.34	(a)	3,547.06
	11/3/2015		(a)	68.48	(a)	3,546.92
	4/27/2016		(a)	68.61	(a)	3,546.79
	11/15/2016		(a)	68.61	(a)	3,546.79
	2/2/2017		(a)	68.77	(a)	3,546.63
	2/15/2017		(a)	66.90	(a)	3,548.50
	2/25/2017		(a)	66.68	(a)	3,548.72
	3/20/2017		(a)	66.95	(a)	3,548.45
	5/22/2017		(a)	68.60	(a)	3,546.80
	11/13/2017		(a)	68.95	(a)	3,546.45
	5/30/2018		(a)	68.91	(a)	3,546.49

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-9	11/6/2018		(a)	69.02	(a)	3,546.38
	6/23/2019		(a)	68.75	(a)	3,546.65
	11/19/2019		(a)	68.84	(a)	3,546.56
	5/12/2020		(a)	69.06	(a)	3,546.34
	11/9/2020		(a)	69.00	(a)	3,546.40
	5/7/2021		(a)	68.98	(a)	3,546.42
	11/10/2021		(a)	69.32	(a)	3,546.08
	5/11/2022		(a)	69.39	(a)	3,546.01
	11/9/2022		(a)	69.52	(a)	3,545.88
MPE-10	3/10/2009	NA	65.58	66.45	0.87	NA
	3/22/2010		(a)	66.20	(a)	NA
	4/17/2011		65.41	66.85	1.44	NA
	12/22/2011		65.74	66.48	0.74	NA
	4/17/2012		66.05	66.22	0.17	NA
	10/15/2012		66.03	66.88	0.85	NA
	4/15/2013		65.96	66.95	0.99	NA
	11/3/2013	3613.85 (h)	65.71	67.08	1.37	3,547.81
	5/1/2014		66.35	66.36	0.01	3,547.50
	11/20/2014		66.64	67.39	0.75	3,547.03
	4/20/2015		66.48	67.09	0.61	3,547.22
	11/3/2015		66.64	67.21	0.57	3,547.07
	4/27/2016		66.73	67.27	0.54	3,546.99
	11/15/2016		(a)	66.76	(a)	3,547.09
	2/2/2017		66.98	67.95	0.97	3,546.64
	2/15/2017		64.48	66.20	1.72	3,548.96
	2/25/2017		64.40	66.05	1.65	3,549.05
	3/20/2017		64.50	66.65	2.15	3,548.83
	5/22/2017		66.73	67.63	0.90	3,546.90
	11/13/2017		67.04	68.05	1.01	3,546.57
	5/30/2018		67.05	68.11	1.06	3,546.55
	11/6/2018		67.10	68.45	1.35	3,546.43
	6/23/2019		66.50	68.90	2.40	3,546.77
	11/19/2019		66.91	66.92	0.01	3,546.94
	5/12/2020		67.05	67.35	0.30	3,546.50
	11/9/2020		67.10	68.32	1.22	3,546.46
	1/18/2021		66.58	67.70	1.12	3,547.00
	2/10/2021		66.55	67.32	0.77	3,547.12
	3/8/2021		66.52	67.03	0.51	3,547.21
	4/5/2021		66.40	67.22	0.82	3,547.25
	5/7/2021		67.00	67.89	0.89	3,546.64
	6/9/2021		66.89	67.70	0.81	3,546.77
	7/10/2021		66.74	68.05	1.31	3,546.80
	8/2/2021		66.80	68.10	1.30	3,546.74
	9/1/2021		67.00	68.27	1.27	3,546.55
	10/5/2021		67.11	68.37	1.26	3,546.44
	11/3/2021		(a)	70.75	(a)	3,543.10
	11/10/2021		67.55	69.10	1.55	3,545.93
	12/2/2021		67.56	69.00	1.44	3,545.94
	1/10/2022		69.52	69.72	0.20	3,544.28
	2/11/2022		(a)	70.80	(a)	3,543.05
	3/1/2022		73.08	73.10	0.02	3,540.77
	4/4/2022		67.50	69.20	1.70	3,545.94
	5/11/2022		67.60	68.95	1.35	3,545.93
	6/1/2022		72.97	72.99	0.02	3,540.88
	7/18/2022		(a)	72.70	(a)	3,541.15
	8/10/2022		(a)	72.92	(a)	3,540.93
	9/1/2022		(a)	73.25	(a)	3,540.60
	10/11/2022		(a)	73.20	(a)	3,540.65
	11/9/2022		68.00	69.50	1.50	3,545.49
MPE-11	3/10/2009	NA	(a)	63.02	(a)	NA

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
	10/8/2009		(a)	63.81	(a)	NA
	4/17/2011		(a)	62.92	(a)	NA
	12/22/2011		(a)	63.21	(a)	NA
	4/17/2012		(a)	63.44	(a)	NA
	10/15/2012		(a)	63.73	(a)	NA
	4/15/2013		(a)	63.63	(a)	NA
	11/3/2013	3610.37 (h)	(a)	64.11	(a)	3,546.26
	5/1/2014		(a)	64.06	(a)	3,546.31
	11/20/2014		(a)	64.35	(a)	3,546.02
	4/20/2015		(a)	64.11	(a)	3,546.26
	11/3/2015		(a)	64.65	(a)	3,545.72
	4/27/2016		(a)	64.51	(a)	3,545.86
	11/15/2016		(a)	65.17	(a)	3,545.20
	2/2/2017		(a)	64.29	(a)	3,546.08
	2/15/2017		(a)	61.40	(a)	3,548.97
	2/25/2017		(a)	60.84	(a)	3,549.53
	3/20/2017		(a)	61.45	(a)	3,548.92
	5/22/2017		(a)	64.54	(a)	3,545.83
	11/13/2017		(a)	65.51	(a)	3,544.86
	5/30/2018		(a)	64.92	(a)	3,545.45
	11/6/2018		(a)	65.34	(a)	3,545.03
	6/23/2019		(a)	64.48	(a)	3,545.89
	11/19/2019		(a)	64.89	(a)	3,545.48
	5/12/2020		(a)	65.05	(a)	3,545.32
	11/9/2020		(a)	65.25	(a)	3,545.12
	5/7/2021		(a)	65.32	(a)	3,545.05
	11/10/2021		(a)	65.72	(a)	3,544.65
	5/11/2022		(a)	65.21	(a)	3,545.16
	11/9/2022		(a)	65.56	(a)	3,544.81
MPE-12	3/10/2009	NA	64.30	64.60	0.30	NA
	10/8/2009		65.24	65.45	0.21	NA
	1/26/2010		64.75	65.12	0.37	NA
	3/22/2010		64.55	64.60	0.05	NA
	4/17/2011		64.32	64.47	0.15	NA
	12/22/2011		(a)	64.61	(a)	NA
	4/17/2012		(a)	64.78	(a)	NA
	10/15/2012		(a)	65.11	(a)	NA
	4/15/2013		64.81	64.83	0.02	NA
	11/3/2013	3612.51 (h)	(a)	64.81	(a)	3,547.70
	5/1/2014		65.14	65.15	0.01	3,547.36
	11/20/2014		67.07	67.27	0.20	3,545.24
	4/20/2015		(a)	65.32	(a)	3,547.19
	11/3/2015		(a)	65.41	(a)	3,547.10
	4/27/2016		65.50	65.80	0.30	3,548.28
	11/15/2016		65.69	66.38	0.69	3,547.99
	5/22/2017		(a)	65.60	(a)	3,546.91
	7/14/2017		63.72	63.90	0.18	3,548.75
	7/28/2017		63.58	64.40	0.82	3,548.73
	8/7/2017		(a)	65.59	(a)	3,546.92
	9/9/2017		62.78	63.83	1.05	3,549.48
	11/13/2017		65.83	66.85	1.02	3,546.44
	5/31/2018		65.90	66.71	0.81	3,546.42
	11/6/2018		66.00	67.15	1.15	3,546.23
	6/23/2019		65.75	66.17	0.42	3,546.66
	1/6/2020		65.71	66.38	0.67	3,546.64
	5/12/2020		(a)	65.81	(a)	3,546.70
	11/9/2020		(a)	65.91	(a)	3,546.60
	5/7/2021		(a)	66.23	(a)	3,546.28
	11/10/2021		66.22	67.28	1.06	3,546.04

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-12	5/11/2022		66.30	67.17	0.87	3,546.00
	7/18/2022		66.45	67.66	1.21	3,545.77
	8/10/2022		66.55	67.82	1.27	3,545.66
	9/1/2022		66.50	67.80	1.30	3,545.70
	10/11/2022		66.60	67.85	1.25	3,545.61
	11/9/2022		66.50	67.65	1.15	3,545.73
MPE-13	3/10/2009	NA	62.93	63.90	0.97	NA
	10/8/2009		63.65	64.00	0.35	NA
	1/26/2010		63.44	63.75	0.31	NA
	3/22/2010		62.93	63.15	0.22	NA
	4/17/2011		63.08	63.27	0.19	NA
	12/22/2011		(a)	63.32	(a)	NA
	4/17/2012		63.51	63.93	0.42	NA
	10/15/2012		63.91	64.27	0.36	NA
	4/15/2013		63.93	64.19	0.26	NA
	11/3/2013	3610.91 (h)	64.07	64.21	0.14	3,546.81
	5/1/2014		64.15	64.45	0.30	3,546.69
	11/20/2014		64.55	64.66	0.11	3,546.33
	4/20/2015		64.81	65.20	0.39	3,546.01
	11/3/2015		(a)	64.95	(a)	3,545.96
	4/27/2016		(a)	64.73	(a)	3,546.18
	8/28/2016		(a)	NA	(a)	NA
	11/15/2016		(a)	65.61	(a)	3,545.30
	5/22/2017		(a)	64.83	(a)	3,546.08
	7/14/2017		(a)	63.95	(a)	3,546.96
	7/28/2017		(a)	64.25	(a)	3,546.66
	8/7/2017		(a)	66.04	(a)	3,544.87
	9/9/2017		(a)	64.57	(a)	3,546.34
	11/13/2017		(a)	66.42	(a)	3,544.49
	5/31/2018		(a)	65.81	(a)	3,545.10
	11/6/2018		(a)	66.27	(a)	3,544.64
	6/23/2019		(a)	65.95	(a)	3,544.96
	1/6/2020		(a)	65.65	(a)	3,545.26
	5/12/2020		(a)	66.15	(a)	3,544.76
	11/9/2020		(a)	66.50	(a)	3,544.41
	5/7/2021		(a)	66.25	(a)	3,544.66
	11/10/2021		(a)	66.45	(a)	3,544.46
	5/11/2022		(a)	66.42	(a)	3,544.49
	11/9/2022		(a)	66.90	(a)	3,544.01
MPE-14	3/10/2009	NA	63.70	63.83	0.13	NA
	10/8/2009		(a)	64.27	(a)	NA
	1/26/2010		(a)	64.08	(a)	NA
	3/22/2010		(a)	63.57	(a)	NA
	4/17/2011		(a)	63.70	(a)	NA
	12/22/2011		(a)	64.05	(a)	NA
	4/17/2012		(a)	64.12	(a)	NA
	10/15/2012		(a)	64.75	(a)	NA
	4/15/2013		64.40	64.94	0.54	NA
	11/3/2013	3611.31 (h)	64.40	65.87	1.47	3,546.56
	5/1/2014		64.54	65.49	0.95	3,546.54
	11/21/2014		65.20	65.48	0.28	3,546.04
	4/20/2015		64.21	64.26	0.05	3,547.09
	11/3/2015		(a)	65.37	(a)	3,545.94
	4/27/2016		65.34	65.65	0.31	3,545.90
	8/28/2016		(a)	NA	(a)	NA
	11/15/2016		66.35	66.38	0.03	3,544.95
	5/22/2017		65.28	65.67	0.39	3,545.94
	7/14/2017		(a)	71.40	(a)	3,539.91
	7/28/2017		(a)	70.45	(a)	3,540.86

Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-14	8/7/2017		(a)	71.75	(a)	3,539.56
	9/9/2017		(a)	72.80	(a)	3,538.51
	11/13/2017		(a)	66.45	(a)	3,544.86
	5/31/2018		65.47	66.30	0.83	3,545.64
	11/6/2018		66.02	66.50	0.48	3,545.17
	6/23/2019		65.42	66.08	0.66	3,545.73
	1/6/2020		65.48	66.30	0.82	3,545.63
	5/12/2020		(a)	65.75	(a)	3,545.56
	11/9/2020		(a)	66.00	(a)	3,545.31
	5/7/2021		68.20	68.50	0.30	3,543.04
	11/10/2021		65.97	68.43	2.46	3,544.75
	5/11/2022		65.80	70.60	4.80	3,544.36
	7/18/2022		69.35	71.57	2.22	3,541.43
	8/10/2022		69.46	71.70	2.24	3,541.31
	9/1/2022		70.05	70.08	0.03	3,541.25
	10/11/2022		69.45	71.80	2.35	3,541.30
	11/9/2022		66.05	68.75	2.70	3,544.61
MPE-15	3/10/2009	NA	(a)	62.40	(a)	NA
	10/8/2009		(a)	62.59	(a)	NA
	3/22/2010		(a)	62.36	(a)	NA
	4/17/2011		(a)	62.20	(a)	NA
	12/22/2011		(a)	62.75	(a)	NA
	4/17/2012		(a)	63.05	(a)	NA
	10/15/2012		(a)	63.05	(a)	NA
	4/15/2013		(a)	63.19	(a)	NA
	11/3/2013	3612.40 (h)	(a)	63.45	(a)	3,548.95
	5/1/2014		(a)	63.70	(a)	3,548.70
	11/21/2014		(a)	63.73	(a)	3,548.67
	4/20/2015		(a)	63.74	(a)	3,548.66
	11/3/2015		(a)	63.96	(a)	3,548.44
	4/27/2016		(a)	64.14	(a)	3,548.26
	11/15/2016		(a)	64.26	(a)	3,548.14
	5/22/2017		(a)	64.28	(a)	3,548.12
	7/14/2017		(a)	62.12	(a)	3,550.28
	7/28/2017		(a)	62.03	(a)	3,550.37
	8/7/2017		(a)	64.17	(a)	3,548.23
	9/9/2017		(a)	64.58	(a)	3,547.82
	11/13/2017		(a)	64.83	(a)	3,547.57
	5/31/2018		(a)	64.53	(a)	3,547.87
	11/6/2018		(a)	64.77	(a)	3,547.63
	6/23/2019		(a)	64.50	(a)	3,547.90
	1/6/2020		(a)	64.58	(a)	3,547.82
	5/12/2020		(a)	64.63	(a)	3,547.77
	11/9/2020		(a)	65.00	(a)	3,547.40
	5/7/2021		(a)	64.81	(a)	3,547.59
	11/10/2021		(a)	65.11	(a)	3,547.29
	5/11/2022		(a)	65.08	(a)	3,547.32
	11/9/2022		(a)	65.18	(a)	3,547.22
MPE-16	3/10/2009	NA	64.32	65.75	1.43	NA
	10/8/2009		65.63	Tagged pump	NA	NA
	1/26/2010		64.64	66.30	1.66	NA
	3/22/2010		64.27	66.21	1.94	NA
	4/17/2011		64.25	65.18	0.93	NA
	12/22/2011		64.61	65.79	1.18	NA
	4/17/2012		64.74	67.17	2.43	NA
	10/15/2012		64.89	67.41	2.52	NA
	4/15/2013		64.80	66.55	1.75	NA
	11/3/2013	3613.14 (h)	64.65	67.06	2.41	3,547.91
	5/1/2014		65.27	67.19	1.92	3,547.41
	11/20/2014		65.96	67.84	1.88	3,546.73

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-16	4/20/2015		65.23	66.56	1.33	3,547.59
	11/3/2015		(a)	66.59	(a)	3,546.55
	4/27/2016		66.28	67.03	0.75	3,546.68
	8/28/2016		67.24	67.66	0.42	3,545.80
	11/15/2016		67.17	67.90	0.73	3,545.79
	5/22/2017		66.21	67.10	0.89	3,546.72
	7/14/2017		71.94	71.95	0.01	3,541.20
	7/28/2017		70.60	70.61	0.01	3,542.54
	8/7/2017		(a)	71.85	(a)	3,541.29
	9/9/2017		(a)	71.92	(a)	3,541.22
	11/13/2017		67.80	67.90	0.10	3,545.32
	5/31/2018		67.85	69.46	1.61	3,544.90
	11/6/2018		67.38	67.95	0.57	3,545.62
	6/23/2019		67.84	68.85	1.01	3,545.06
	1/6/2020		67.75	69.75	2.00	3,544.91
	5/12/2020		66.72	67.80	1.08	3,546.16
	11/9/2020		68.54	70.13	1.59	3,544.22
	1/18/2021		67.57	69.35	1.78	3,545.14
	2/10/2021		67.25	68.47	1.22	3,545.60
	3/8/2021		67.30	68.59	1.29	3,545.53
	4/5/2021		65.36	66.37	1.01	3,547.54
	5/7/2021		68.37	69.50	1.13	3,544.50
	6/9/2021		67.37	67.70	0.33	3,545.69
	7/10/2021		66.67	67.64	0.97	3,546.24
	8/2/2021		68.17	69.55	1.38	3,544.64
	9/1/2021		67.50	68.05	0.55	3,545.51
	10/5/2021		67.73	67.75	0.02	3,545.41
	11/3/2021		67.65	67.90	0.25	3,545.43
	11/10/2021		67.55	67.80	0.25	3,545.53
	12/2/2021		67.55	67.81	0.26	3,545.53
	1/10/2022		66.65	67.60	0.95	3,546.26
	2/11/2022		66.30	68.80	2.50	3,546.24
	3/1/2022		64.00	70.05	6.05	3,547.69
	4/4/2022		66.40	68.45	2.05	3,546.25
	5/11/2022		68.83	68.87	0.04	3,544.30
	6/1/2022		68.90	68.95	0.05	3,544.23
	7/18/2022		69.18	69.51	0.33	3,543.88
	8/10/2022		69.60	69.91	0.31	3,543.47
	9/1/2022		69.60	69.98	0.38	3,543.45
	10/11/2022		69.65	70.20	0.55	3,543.36
	11/9/2022		67.50	68.20	0.70	3,545.47
MPE-17	3/10/2009	NA	64.80	65.07	0.27	NA
	10/8/2009		65.48	65.55	0.07	NA
	1/26/2010		65.19	65.22	0.03	NA
	3/22/2010		(a)	64.77	(a)	(a)
	4/17/2011		(a)	64.93	(a)	(a)
	12/22/2011		(a)	65.37	(a)	(a)
	4/17/2012		65.22	65.37	0.15	(a)
	10/15/2012		65.95	66.81	0.86	(a)
	4/15/2013		65.62	66.06	0.44	(a)
	11/3/2013	3612.75 (h)	65.63	67.49	1.86	3,546.67
	5/1/2014		65.75	66.45	0.70	3,546.83
	11/21/2014		66.15	66.64	0.49	3,546.48
	4/20/2015		66.08	67.38	1.30	3,546.36
	11/3/2015		(a)	66.88	(a)	3,545.87
	4/27/2016		66.71	66.72	0.01	3,546.04
	8/28/2016		(a)	67.81	(a)	3,544.94
	11/16/2016		67.84	67.90	0.06	3,544.90
	5/22/2017		66.60	66.95	0.35	3,546.07

Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-17	7/14/2017		(a)	71.15	(a)	3,541.60
	7/28/2017		(a)	71.11	(a)	3,541.64
	8/7/2017		(a)	71.12	(a)	3,541.63
	9/9/2017		(a)	71.15	(a)	3,541.60
	11/13/2017		68.20	68.35	0.15	3,544.51
	5/31/2018		67.15	67.30	0.15	3,545.56
	11/6/2018		67.68	67.75	0.07	3,545.05
	6/24/2019		66.90	67.10	0.20	3,545.80
	1/6/2020		67.00	67.15	0.15	3,545.71
	5/12/2020		(a)	67.30	(a)	3,545.45
	11/9/2020		70.28	70.35	0.07	3,542.45
	1/18/2021		(a)	71.30	(a)	3,541.45
	2/10/2021		67.43	67.75	0.32	3,545.24
	3/8/2021		67.55	67.80	0.25	3,545.14
	4/5/2021		(a)	78.28	(a)	3,534.47
	5/7/2021		(a)	72.62	(a)	3,540.13
	6/9/2021		(a)	71.10	(a)	3,541.65
	7/10/2021		(a)	70.43	(a)	3,542.32
	8/2/2021		(a)	71.58	(a)	3,541.17
	9/1/2021		(a)	73.25	(a)	3,539.50
	10/5/2021		(a)	73.33	(a)	3,539.42
	11/3/2021		(a)	71.60	(a)	3,541.15
	11/10/2021		(a)	71.62	(a)	3,541.13
	12/2/2021		(a)	71.62	(a)	3,541.13
	1/10/2022		68.25	68.90	0.65	3,544.34
	2/11/2022		68.30	68.35	0.05	3,544.44
	3/1/2022		70.80	71.50	0.70	3,541.78
	4/4/2022		(a)	73.26	(a)	3,539.49
	5/11/2022		67.67	68.50	0.83	3,544.88
	6/1/2022		70.93	71.62	0.69	3,541.65
	7/18/2022		70.85	72.10	1.25	3,541.60
	8/10/2022		70.95	72.26	1.31	3,541.49
	9/1/2022		70.85	72.25	1.40	3,541.56
	10/11/2022		71.00	72.55	1.55	3,541.38
	11/9/2022		70.73	72.90	2.17	3,541.50
MPE-18	3/10/2009	NA	(a)	61.65	(a)	NA
	10/8/2009		(a)	61.93	(a)	NA
	3/22/2010		(a)	61.44	(a)	NA
	4/17/2011		(a)	61.70	(a)	NA
	12/22/2011		(a)	62.19	(a)	NA
	4/17/2012		(a)	62.39	(a)	NA
	10/15/2012		(a)	62.78	(a)	NA
	4/15/2013		(a)	62.64	(a)	NA
	11/3/2013	3611.12 (h)	(a)	62.93	(a)	3,548.19
	5/1/2014		(a)	63.07	(a)	3,548.05
	11/21/2014		(a)	63.04	(a)	3,548.08
	4/20/2015		(a)	62.97	(a)	3,548.15
	11/3/2015		(a)	63.28	(a)	3,547.84
	4/27/2016		(a)	63.45	(a)	3,547.67
	11/16/2016		(a)	63.61	(a)	3,547.51
	5/22/2017		(a)	63.43	(a)	3,547.69
	7/14/2017		(a)	62.28	(a)	3,548.84
	7/28/2017		(a)	62.43	(a)	3,548.69
	8/7/2017		(a)	64.21	(a)	3,546.91
	9/9/2017		(a)	64.53	(a)	3,546.59
	11/13/2017		(a)	64.32	(a)	3,546.80
	5/30/2018		(a)	63.58	(a)	3,547.54
	11/6/2018		(a)	64.03	(a)	3,547.09
	6/24/2019		(a)	63.42	(a)	3,547.70
	1/6/2020		(a)	63.51	(a)	3,547.61

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-18	5/12/2020		(a)	63.65	(a)	3,547.47
	11/9/2020		(a)	64.27	(a)	3,546.85
	5/7/2021		(a)	64.12	(a)	3,547.00
	11/10/2021		(a)	64.31	(a)	3,546.81
	5/11/2022		(a)	64.15	(a)	3,546.97
	11/9/2022		(a)	64.30	(a)	3,546.82
MPE-19	3/10/2009	NA	(a)	65.02	(a)	NA
	10/8/2009		(a)	65.54	(a)	NA
	3/22/2010		(a)	65.14	(a)	NA
	4/17/2011		(a)	65.11	(a)	NA
	12/22/2011		(a)	65.54	(a)	NA
	4/17/2012		(a)	65.53	(a)	NA
	10/15/2012		(a)	65.91	(a)	NA
	4/15/2013		(a)	66.03	(a)	NA
	11/3/2013	3614.46 (h)	(a)	66.05	(a)	3,548.41
	5/1/2014		(a)	66.08	(a)	3,548.38
	11/21/2014		(a)	66.62	(a)	3,547.84
	4/20/2015		(a)	66.16	(a)	3,548.30
	11/3/2015		(a)	66.50	(a)	3,547.96
	4/27/2016		(a)	66.31	(a)	3,548.15
	11/16/2016		(a)	66.77	(a)	3,547.69
	5/22/2017		(a)	66.40	(a)	3,548.06
	7/14/2017		(a)	63.95	(a)	3,550.51
	7/28/2017		(a)	64.17	(a)	3,550.29
	8/7/2017		(a)	62.26	(a)	3,552.20
	9/9/2017		(a)	63.82	(a)	3,550.64
	11/13/2017		(a)	67.37	(a)	3,547.09
	5/31/2018		(a)	66.88	(a)	3,547.58
	11/6/2018		(a)	67.04	(a)	3,547.42
	6/24/2019		(a)	66.33	(a)	3,548.13
	1/6/2020		(a)	66.40	(a)	3,548.06
	5/12/2020		(a)	66.48	(a)	3,547.98
	11/9/2020		(a)	67.12	(a)	3,547.34
	5/7/2021		(a)	65.00	(a)	3,549.46
	11/10/2021		(a)	66.93	(a)	3,547.53
	5/11/2022		(a)	66.78	(a)	3,547.68
	11/9/2022		(a)	67.00	(a)	3,547.46
MPE-20	3/10/2009	NA	62.58	64.52	1.94	NA
	10/8/2009		62.45	65.34	2.89	NA
	1/26/2010		62.28	65.10	2.82	NA
	3/22/2010		61.58	64.81	3.23	NA
	4/17/2011		62.10	64.45	2.35	NA
	12/22/2011		62.70	64.58	1.88	NA
	4/17/2012		63.09	64.86	1.77	NA
	10/15/2012		64.41	65.23	0.82	NA
	4/15/2013		63.52	64.98	1.46	NA
	11/3/2013	3611.40 (h)	63.37	64.28	0.91	3,547.81
	5/1/2014		63.64	65.23	1.59	3,547.38
	11/21/2014		65.59	66.47	0.88	3,545.60
	4/21/2015		63.75	64.77	1.02	3,547.41
	11/3/2015		64.81	66.00	1.19	3,546.30
	4/27/2016		64.73	65.91	1.18	3,546.39
	8/28/2016		66.07	66.09	0.02	3,545.33
	11/16/2016		65.75	67.05	1.30	3,545.34
	5/22/2017		64.57	65.60	1.03	3,546.58
	7/14/2017		(a)	70.20	(a)	3,541.20
	7/28/2017		(a)	71.99	(a)	3,539.41
	8/7/2017		(a)	70.27	(a)	3,541.13
	9/9/2017		(a)	70.35	(a)	3,541.05
	11/13/2017		66.13	67.27	1.14	3,545.00
	5/31/2018		(a)	65.75	(a)	3,545.65

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-20	6/24/2019		(a)	69.23	(a)	3,542.17
	1/6/2020		64.38	64.50	0.12	3,546.99
	5/12/2020		(a)	64.50	(a)	3,546.90
	11/9/2020		(a)	67.26	(a)	3,544.14
	5/7/2021		68.17	68.20	0.03	3,543.22
	11/10/2021		65.2	66.68	1.48	3,545.84
	5/11/2022		65.11	65.70	0.59	3,546.15
	11/9/2022		(a)	65.40	(a)	3,546.00
MPE-21	3/10/2009	NA	(a)	56.57	(a)	NA
	10/8/2009		(a)	57.13	(a)	NA
	1/26/2010		(a)	57.71	(a)	NA
	3/22/2010		(a)	57.68	(a)	NA
	4/17/2011		(a)	57.30	(a)	NA
	12/22/2011		(a)	57.82	(a)	NA
	4/17/2012		58.20	58.31	0.11	NA
	10/15/2012		58.02	58.07	0.05	NA
	4/15/2013		57.73	59.11	1.38	NA
	11/3/2013	3607.52 (h)	56.94	57.82	0.88	3,550.37
	5/1/2014		58.32	58.75	0.43	3,549.10
	11/21/2014		58.71	59.97	1.26	3,548.51
	4/21/2015		56.73	57.95	1.22	3,550.50
	11/3/2015		(a)	59.13	(a)	3,548.39
	4/27/2016		(a)	59.50	(a)	3,548.02
	8/28/2016		(a)	59.24	(a)	3,548.28
	11/16/2016		(a)	59.38	(a)	3,548.14
	5/22/2017		(a)	59.45	(a)	3,548.07
	7/14/2017		(a)	65.99	(a)	3,541.53
	7/28/2017		(a)	65.95	(a)	3,541.57
	8/7/2017		(a)	66.08	(a)	3,541.44
	9/9/2017		(a)	66.95	(a)	3,540.57
	11/13/2017		(a)	60.90	(a)	3,546.62
	5/30/2018		(a)	59.60	(a)	3,547.92
	11/6/2018		(a)	60.08	(a)	3,547.44
	6/24/2019		(a)	60.95	(a)	3,546.57
	1/6/2020		(a)	66.90	(a)	3,540.62
	5/12/2020		(a)	60.10	(a)	3,547.42
	11/9/2020		(a)	61.55	(a)	3,545.97
	5/7/2021		(a)	63.03	(a)	3,544.49
	11/10/2021		(a)	63.05	(a)	3,544.47
	5/11/2022		(a)	60.89	(a)	3,546.63
	11/9/2022		(a)	61.15	(a)	3,546.37
MPE-22	3/10/2009	NA	(a)	67.17	(a)	NA
	10/8/2009		(a)	67.68	(a)	NA
	1/26/2010		(a)	67.33	(a)	NA
	3/22/2010		(a)	66.99	(a)	NA
	4/17/2011		(a)	67.25	(a)	NA
	12/22/2011		(a)	67.61	(a)	NA
	4/17/2012		(a)	67.44	(a)	NA
	10/18/2012		(a)	68.20	(a)	NA
	4/15/2013		(a)	67.87	(a)	NA
	11/3/2013	3616.80 (h)	(a)	68.28	(a)	3,548.52
	5/1/2014		(a)	68.12	(a)	3,548.68
	11/21/2014		(a)	68.59	(a)	3,548.21
	4/21/2015		(a)	68.23	(a)	3,548.57
	11/3/2015		(a)	68.24	(a)	3,548.56
	4/29/2016		(a)	68.14	(a)	3,548.66
	11/16/2016		(a)	69.13	(a)	3,547.67
	5/22/2017		(a)	68.50	(a)	3,548.30
	11/6/2017		(a)	68.68	(a)	3,548.12
	11/13/2017		(a)	68.78	(a)	3,548.02

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-22	6/1/2018		(a)	68.42	(a)	3,548.38
	11/6/2018		(a)	68.80	(a)	3,548.00
	6/24/2019		(a)	68.16	(a)	3,548.64
	1/5/2020		(a)	68.19	(a)	3,548.61
	5/13/2020		(a)	68.23	(a)	3,548.57
	11/10/2020		(a)	68.70	(a)	3,548.10
	5/7/2021		(a)	68.61	(a)	3,548.19
	11/10/2021		(a)	68.50	(a)	3,548.30
	5/14/2022		(a)	68.41	(a)	3,548.39
	11/8/2022		(a)	68.75	(a)	3,548.05
MPE-23	3/10/2009	NA	62.85	64.00	1.15	NA
	10/8/2009		62.58	64.90	2.32	NA
	1/26/2010		62.84	63.98	1.14	NA
	3/22/2010		61.94	62.58	0.64	NA
	4/17/2011		62.31	62.78	0.47	NA
	12/22/2011		62.45	64.70	2.25	NA
	4/17/2012		62.57	64.58	2.01	NA
	10/18/2012		63.35	65.36	2.01	NA
	4/15/2013		62.78	65.30	2.52	NA
	11/3/2013	3612.44 (h)	63.45	65.52	2.07	3,548.49
	5/1/2014		63.41	64.65	1.24	3,548.73
	11/21/2014		63.97	65.57	1.60	3,548.09
	4/21/2015		63.29	65.43	2.14	3,548.64
	11/3/2015		(a)	64.07	(a)	3,548.37
	4/29/2016		63.97	64.00	0.03	3,548.46
	8/28/2016		63.74	66.05	2.31	3,548.15
	11/16/2016		63.97	66.00	2.03	3,547.98
	5/22/2017		63.62	65.03	1.41	3,548.48
	11/6/2017		(a)	72.45	(a)	3,539.99
	11/13/2017		(a)	72.45	(a)	3,539.99
	6/1/2018		64	64.75	0.75	3,547.69
	11/6/2018		(a)	65.11	(a)	3,547.33
	6/24/2019		63.55	63.56	0.01	3,548.88
	1/5/2020		(a)	63.55	(a)	3,548.89
	5/13/2020		(a)	63.81	(a)	3,548.63
	11/10/2020		(a)	64.85	(a)	3,547.59
	5/7/2021		(a)	72.16	(a)	3,540.28
	11/10/2021		(a)	64.69	(a)	3,547.75
	5/14/2022		(a)	64.30	(a)	3,548.14
	11/8/2022		(a)	64.56	(a)	3,547.88
MPE-24	3/10/2009	NA	57.55	58.93	1.38	3,547.33
	10/8/2009		57.20	59.52	2.32	NA
	1/26/2010		57.65	59.92	2.27	NA
	3/22/2010		57.41	59.75	2.34	NA
	4/17/2011		57.57	59.57	2.00	NA
	12/22/2011		58.27	60.95	2.68	NA
	4/17/2012		58.43	61.11	2.68	NA
	10/15/2012		58.10	64.85	6.75	NA
	4/15/2013		58.08	63.22	5.14	NA
	11/3/2013	3608.45 (h)	58.33	62.96	4.63	3,549.01
	5/1/2014		58.61	63.91	5.30	3,548.57
	11/21/2014		58.58	65.93	7.35	3,548.11
	4/21/2015		58.49	63.30	4.81	3,548.81
	11/3/2015		60.03	60.10	0.07	3,548.40
	4/29/2016		60.12	60.20	0.08	3,548.31
	11/16/2016		59.46	63.22	3.76	3,548.09
	5/22/2017		59.80	61.40	1.60	3,548.27
	11/6/2017		(a)	71.71	(a)	3,536.74
	11/13/2017		61.21	61.23	0.02	3,547.24
	5/31/2018		(a)	59.71	(a)	3,548.74

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-24	11/6/2018		(a)	59.88	(a)	3,548.57
	6/24/2019		(a)	59.27	(a)	3,549.18
	1/6/2020		(a)	59.60	(a)	3,548.85
	5/12/2020		(a)	59.60	(a)	3,548.85
	11/9/2020		(a)	60.55	(a)	3,547.90
	5/7/2021		(a)	60.57	(a)	3,547.88
	11/10/2021		(a)	60.60	(a)	3,547.85
	5/11/2022		(a)	60.48	(a)	3,547.97
	11/9/2022		(a)	60.70	(a)	3,547.75
MPE-25	3/10/2009	NA	(a)	67.13	(a)	NA
	10/8/2009		(a)	67.79	(a)	NA
	1/26/2010		(a)	67.40	(a)	NA
	3/22/2010		(a)	67.07	(a)	NA
	4/17/2011		(a)	67.32	(a)	NA
	12/22/2011		(a)	67.79	(a)	NA
	4/17/2012		(a)	67.50	(a)	NA
	10/18/2012		(a)	68.32	(a)	NA
	4/15/2013		(a)	68.03	(a)	NA
	11/3/2013	3616.99 (h)	(a)	68.46	(a)	3,548.53
	5/1/2014		(a)	68.20	(a)	3,548.79
	11/21/2014		(a)	68.74	(a)	3,548.25
	4/21/2015		(a)	68.35	(a)	3,548.64
	11/3/2015		(a)	68.27	(a)	3,548.72
	4/29/2016		(a)	68.20	(a)	3,548.79
	11/16/2016		(a)	69.15	(a)	3,547.84
	5/22/2017		(a)	68.27	(a)	3,548.72
	11/6/2017		(a)	65.10	(a)	3,551.89
	11/13/2017		(a)	69.10	(a)	3,547.89
	6/1/2018		(a)	68.65	(a)	3,548.34
	11/6/2018		(a)	68.82	(a)	3,548.17
	6/24/2019		(a)	67.40	(a)	3,549.59
	1/5/2020		(a)	68.05	(a)	3,548.94
	5/13/2020		(a)	68.25	(a)	3,548.74
	11/10/2020		(a)	68.87	(a)	3,548.12
	5/7/2021		(a)	68.73	(a)	3,548.26
	11/10/2021		(a)	68.25	(a)	3,548.74
	5/14/2022		(a)	68.35	(a)	3,548.64
	11/8/2022		(a)	68.52	(a)	3,548.47
MPE-26	3/10/2009	NA	64.54	64.86	0.32	NA
	10/8/2009		65.30	65.70	0.40	NA
	1/26/2010		64.84	65.32	0.48	NA
	3/22/2010		64.46	65.04	0.58	NA
	4/17/2011		(a)	64.70	(a)	NA
	12/22/2011		65.19	65.63	0.44	NA
	4/17/2012		64.92	65.48	0.56	NA
	10/15/2012		65.60	66.10	0.50	NA
	4/15/2013		65.54	66.05	0.51	NA
	11/3/2013	3614.30 (h)	65.78	65.82	0.04	3,548.51
	5/1/2014		65.71	65.96	0.25	3,548.53
	11/21/2014		66.28	66.63	0.35	3,547.94
	4/21/2015		65.75	66.04	0.29	3,548.48
	11/3/2015		65.66	66.02	0.36	3,548.55
	4/29/2016		65.62	65.98	0.36	3,548.59
	11/16/2016		66.63	67.05	0.42	3,547.57
	5/22/2017		65.98	66.30	0.32	3,548.24
	11/6/2017		(a)	62.57	(a)	3,551.73
	11/13/2017		66.64	66.67	0.03	3,547.65
	6/1/2018		66.10	66.12	0.02	3,548.20
	11/6/2018		(a)	66.18	(a)	3,548.12
	6/24/2019		(a)	66.49	(a)	3,547.81

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-26	1/5/2020		(a)	65.53	(a)	3,548.77
	5/13/2020		(a)	65.70	(a)	3548.60
	11/10/2020		(a)	66.28	(a)	3548.02
	5/7/2021		(a)	66.20	(a)	3548.10
	11/10/2021		(a)	66.05	(a)	3548.25
	5/14/2022		(a)	65.80	(a)	3548.50
	11/8/2022		(a)	66.00	(a)	3548.30
MPE-27	3/10/2009	NA	62.65	64.96	2.31	NA
	10/8/2009		63.05	69.05	6.00	NA
	1/26/2010		(a)	62.92	(a)	NA
	3/22/2010		62.60	64.38	1.78	NA
	4/17/2011		62.54	tag top of pump	NA	NA
	12/22/2011		(a)	62.81	(a)	NA
	4/17/2012		63.34	63.63	0.29	NA
	10/15/2012		64.62	65.38	0.76	NA
	4/15/2013		(a)	tag top of pump	NA	NA
	11/3/2013	3612.96 (h)	62.92	65.70	2.78	3,549.37
	5/1/2014		63.75	67.31	3.56	3,548.36
	11/21/2014		(a)	65.48	(a)	3,547.48
	4/21/2015		63.85	65.70	1.85	3,548.67
	11/3/2015		64.37	64.40	0.03	3,548.58
	4/29/2016		64.35	64.37	0.02	3,548.61
	8/28/2016		(a)	65.45	(a)	3,547.51
	11/16/2016		(a)	65.41	(a)	3,547.55
	5/22/2017		64.58	64.70	0.12	3,548.35
	11/6/2017		(a)	75.10	(a)	3,537.86
	11/13/2017		67.95	68.27	0.32	3,544.93
	6/1/2018		64.40	65.21	0.81	3,547.75
	11/6/2018		(a)	64.35	(a)	3,548.61
	6/24/2019		(a)	62.95	(a)	3,550.01
	1/5/2020		63.61	64.85	1.24	3,549.05
	5/13/2020		63.58	65.55	1.97	3,548.91
	11/10/2020		65.12	65.17	0.05	3,547.83
	1/18/2021		(a)	64.00	(a)	3,548.96
	2/10/2021		62.12	64.00	1.88	3,550.39
	3/8/2021		62.55	64.29	1.74	3,549.99
	4/5/2021		(a)	75.15	(a)	3,537.81
	5/7/2021		67.47	67.50	0.03	3,545.48
	6/9/2021		(a)	73.84	(a)	3,539.12
	7/10/2021		(a)	67.00	(a)	3,545.96
	8/2/2021		(a)	74.40	(a)	3,538.56
	9/1/2021		(a)	73.55	(a)	3,539.41
	10/5/2021		(a)	73.66	(a)	3,539.30
	11/3/2021		(a)	74.41	(a)	3538.55
	11/10/2021		(a)	65.60	(a)	3547.36
	12/2/2021		(a)	65.61	(a)	3547.35
	1/10/2022		(a)	65.68	(a)	3547.28
	2/11/2022		(a)	64.10	(a)	3548.86
	3/1/2022		(a)	74.15	(a)	3538.81
	4/4/2022		(a)	64.75	(a)	3548.21
	5/14/2022		(a)	64.75	(a)	3548.21
	6/1/2022		(a)	74.11	(a)	3538.85
	7/18/2022		(a)	73.95	(a)	3539.01
	8/10/2022		(a)	73.98	(a)	3538.98
	9/1/2022		(a)	72.00	(a)	3540.96
	11/8/2022		(a)	66.46	(a)	3546.50
MPE-28	3/10/2009	NA	55.01	59.20	4.19	NA
	10/8/2009		56.72	60.21	3.49	NA
	1/26/2010		56.12	59.78	3.66	NA
	3/22/2010		55.50	59.20	3.70	NA

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-28	4/17/2011		(a)	56.78	(a)	NA
	12/22/2011		(a)	58.61	(a)	NA
	4/17/2012		(a)	57.45	(a)	NA
	10/15/2012		(a)	58.30	(a)	NA
	4/15/2013		57.85	57.88	0.03	NA
	11/3/2013	3607.49 (h)	(a)	58.39	(a)	3,549.10
	5/1/2014		58.32	58.40	0.08	3,554.62
	11/21/2014		(a)	60.74	(a)	3,546.75
	4/21/2015		(a)	57.72	(a)	3,549.77
	11/3/2015		57.60	57.61	0.01	3,555.36
	4/28/2016		57.38	57.44	0.06	3,555.57
	11/16/2016		NA	NA	NA	NA
	5/22/2017		57.65	57.80	0.15	3555.27
	11/6/2017		(a)	56.80	(a)	3550.69
	11/13/2017		(a)	58.33	(a)	3,549.16
	6/1/2018		(a)	57.74	(a)	3,549.75
	11/6/2018		(a)	58.12	(a)	3,549.37
	6/24/2019		(a)	56.68	(a)	3,550.81
	1/6/2020		(a)	56.90	(a)	3,550.59
	5/13/2020		(a)	57.11	(a)	3,550.38
	11/10/2020		(a)	58.07	(a)	3,549.42
	5/7/2021		(a)	57.99	(a)	3,549.50
	11/10/2021		57.90	57.92	0.02	3,555.06
	4/4/2022		(a)	57.51	(a)	3,549.98
	5/14/2022		57.65	57.66	0.01	3,555.31
	6/1/2022		(a)	57.60	(a)	3,549.89
	7/18/2022		(a)	57.59	(a)	3,549.90
	8/10/2022		(a)	57.66	(a)	3,549.83
	9/1/2022		(a)	57.56	(a)	3,549.93
	10/11/2022		(a)	57.60	(a)	3,549.89
	11/8/2022		(a)	57.92	(a)	3,549.57
MPE-29	3/10/2009	NA	(a)	67.35	(a)	NA
	10/8/2009		(a)	68.38	(a)	NA
	3/22/2010		(a)	67.58	(a)	NA
	4/17/2011		(a)	67.73	(a)	NA
	12/22/2011		(a)	68.38	(a)	NA
	4/17/2012		(a)	67.98	(a)	NA
	10/18/2012		(a)	68.95	(a)	NA
	4/15/2013		(a)	68.44	(a)	NA
	11/3/2013	3617.10 (h)	(a)	69.00	(a)	3,548.10
	5/1/2014		(a)	68.68	(a)	3,548.42
	11/21/2014		(a)	69.41	(a)	3,547.69
	4/21/2015		(a)	68.75	(a)	3,548.35
	11/3/2015		(a)	68.65	(a)	3,548.45
	4/29/2016		(a)	68.57	(a)	3,548.53
	11/16/2016		(a)	69.62	(a)	3,547.48
	5/22/2017		(a)	68.65	(a)	3,548.45
	11/6/2017		(a)	69.75	(a)	3,547.35
	11/13/2017		(a)	69.77	(a)	3,547.33
	6/1/2018		(a)	69.10	(a)	3,548.00
	11/6/2018		(a)	69.12	(a)	3,547.98
	6/24/2019		(a)	68.30	(a)	3,548.80
	1/5/2020		(a)	68.31	(a)	3,548.79
	5/13/2020		(a)	68.55	(a)	3,548.55
	11/10/2020		(a)	69.30	(a)	3,547.80
	5/7/2021		(a)	69.03	(a)	3,548.07
	11/10/2021		(a)	68.45	(a)	3,548.65
	5/14/2022		(a)	68.60	(a)	3,548.50
	11/8/2022		(a)	68.80	(a)	3,548.30
MPE-30	3/10/2009	NA	(a)	64.92	(a)	NA

Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-30	10/8/2009		(a)	66.20	(a)	NA
	3/22/2010		(a)	65.41	(a)	NA
	4/17/2011		(a)	65.25	(a)	NA
	12/22/2011		(a)	65.91	(a)	NA
	4/17/2012		(a)	65.78	(a)	NA
	10/18/2012		(a)	66.46	(a)	NA
	4/15/2013		(a)	66.35	(a)	NA
	11/3/2013	3616.01 (h)	(a)	66.93	(a)	3,549.08
	5/1/2014		(a)	66.97	(a)	3,549.04
	11/21/2014		(a)	67.36	(a)	3,548.65
	4/21/2015		(a)	66.56	(a)	3,549.45
	11/3/2015		(a)	66.26	(a)	3,549.75
	4/28/2016		(a)	66.08	(a)	3,549.93
	11/16/2016		(a)	67.38	(a)	3,548.63
	5/22/2017		NA	NA	NA	NA
	11/13/2017		(a)	67.95	(a)	3,548.06
	6/1/2018		(a)	67.37	(a)	3,548.64
	11/6/2018		(a)	67.32	(a)	3,548.69
	6/24/2019		(a)	66.03	(a)	3,549.98
	1/5/2020		(a)	66.08	(a)	3,549.93
	5/13/2020		(a)	65.90	(a)	3,550.11
	11/10/2020		(a)	67.50	(a)	3,548.51
	5/7/2021		(a)	67.32	(a)	3,548.69
	11/10/2021		(a)	66.75	(a)	3,549.26
	5/14/2022		(a)	66.85	(a)	3,549.16
	11/8/2022		(a)	67.35	(a)	3,548.66
MPE-31	3/10/2009	NA	63.22	63.24	0.02	NA
	10/8/2009		(a)	65.28	(a)	NA
	1/26/2010		(a)	63.99	(a)	NA
	3/22/2010		63.46	63.47	0.01	NA
	4/17/2011		(a)	63.41	(a)	NA
	12/22/2011		64.22	64.69	0.47	NA
	4/17/2012		64.04	64.45	0.41	NA
	10/18/2012		65.28	65.82	0.54	NA
	4/15/2013		64.16	65.16	1.00	NA
	11/3/2013	3613.18 (h)	64.64	65.11	0.47	3,548.43
	5/1/1994		64.62	65.64	1.02	3,548.32
	11/21/2014		65.79	66.39	0.60	3,547.25
	4/21/2015		64.36	64.98	0.62	3,548.67
	11/3/2015		64.14	64.68	0.54	3,548.91
	4/28/2016		64.98	65.46	0.48	3,548.08
	8/28/2016		(a)	65.89	(a)	3,547.29
	11/16/2016		(a)	65.75	(a)	3,547.43
	5/22/2017		(a)	64.81	(a)	3,548.37
	11/13/2017		(a)	66.45	(a)	3,546.73
	6/1/2018		(a)	65.02	(a)	3,548.16
	11/6/2018		(a)	63.95	(a)	3,549.23
	6/24/2019		(a)	63.98	(a)	3,549.20
	1/5/2020		(a)	64.00	(a)	3,549.18
	5/13/2020		(a)	64.15	(a)	3,549.03
	11/10/2020		(a)	65.32	(a)	3,547.86
	5/7/2021		65.17	65.18	0.01	3,548.01
	11/10/2021		64.61	64.62	0.01	3,548.57
	5/14/2022		64.64	64.66	0.02	3,548.54
	7/18/2022		67.25	67.30	0.05	3,545.92
	8/10/2022		64.67	64.68	0.01	3,548.51
	9/1/2022		(a)	65.30	(a)	3,547.88
	10/11/2022		(a)	70.80	(a)	3,542.38
	11/8/2022		(a)	67.20	(a)	3,545.98
MPE-32	3/10/2009	NA	57.01	59.81	2.80	NA

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-32	10/8/2009		(a)	62.21	(a)	NA
	1/26/2010		57.90	61.23	3.33	NA
	3/22/2010		(a)	57.30	(a)	NA
	4/17/2011		(a)	57.32	(a)	NA
	12/22/2011		(a)	56.62	(a)	NA
	4/17/2012		58.55	61.08	2.53	NA
	10/15/2012		NA	Tag top of pump	NA	NA
	4/15/2013		59.16	59.35	0.19	NA
	11/3/2013	3607.41 (h)	(a)	60.03	(a)	3,547.38
	5/1/2014		59.65	60.53	0.88	3,547.55
	11/21/2014		(a)	62.50	(a)	3,544.91
	4/21/2015		58.27	61.30	3.03	3,548.41
	11/3/2015		58.66	59.08	0.42	3,548.65
	4/28/2016		59.11	59.65	0.54	3,548.17
	8/28/2016		(a)	61.96	(a)	3,545.45
	11/16/2016		61.22	61.39	0.17	3,546.15
	5/22/2017		58.62	60.75	2.13	3,548.28
	11/13/2017		(a)	62.93	(a)	3,544.48
	6/1/2018		59.82	60.01	0.19	3,547.54
	11/6/2018		(a)	57.15	(a)	3,550.26
	6/24/2019		57.03	59.30	2.27	3,549.84
	1/6/2020		57.70	59.20	1.50	3,549.35
	5/12/2020		58.58	58.62	0.04	3,548.82
	11/9/2020		(a)	59.98	(a)	3,547.43
	5/7/2021		60.60	60.71	0.11	3,546.78
	11/10/2021		58.00	59.00	1.00	3,549.17
	5/11/2022		(a)	57.88	(a)	3,549.53
	11/8/2022		(a)	59.10	(a)	3,548.31
MPE-33	3/10/2009	NA	(a)	53.82	(a)	NA
	10/8/2009		(a)	56.63	(a)	NA
	3/22/2010		(a)	54.56	(a)	NA
	4/17/2011		(a)	54.73	(a)	NA
	12/22/2011		(a)	56.65	(a)	NA
	4/17/2012		(a)	55.85	(a)	NA
	10/15/2012		(a)	58.43	(a)	NA
	4/15/2013		(a)	56.43	(a)	NA
	11/3/2013	3603.22 (h)	(a)	57.14	(a)	3,546.08
	5/1/2014		(a)	56.65	(a)	3,546.57
	11/21/2014		(a)	58.46	(a)	3,544.76
	4/21/2015		(a)	54.22	(a)	3,549.00
	11/3/2015		(a)	54.31	(a)	3,548.91
	4/28/2016		(a)	54.47	(a)	3,548.75
	11/16/2016		(a)	57.72	(a)	3,545.50
	5/22/2017		(a)	55.02	(a)	3,548.20
	11/13/2017		(a)	57.40	(a)	3,545.82
	6/1/2018		(a)	56.00	(a)	3,547.22
	11/6/2018		(a)	54.44	(a)	3,548.78
	6/24/2019		(a)	52.67	(a)	3,550.55
	1/6/2020		(a)	53.05	(a)	3,550.17
	5/13/2020		(a)	53.83	(a)	3,549.39
	11/9/2020		(a)	55.30	(a)	3,547.92
	5/7/2021		(a)	55.22	(a)	3,548.00
	11/10/2021		(a)	52.62	(a)	3,550.60
	5/11/2022		(a)	53.60	(a)	3,549.62
	11/8/2022		(a)	54.55	(a)	3,548.67
MPE-34	3/10/2009	NA	(a)	65.24	(a)	NA
	10/8/2009		(a)	65.78	(a)	NA
	3/22/2010		(a)	65.56	(a)	NA
	4/17/2011		(a)	65.40	(a)	NA
	12/22/2011		(a)	65.76	(a)	NA

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-34	4/17/2012		(a)	65.79	(a)	NA
	10/18/2012		(a)	66.15	(a)	NA
	4/15/2013		(a)	66.20	(a)	NA
	11/3/2013	3616.24 (h)	(a)	66.28	(a)	3,549.96
	5/1/2014		(a)	66.23	(a)	3,550.01
	11/21/2014		(a)	65.89	(a)	3,550.35
	4/21/2015		(a)	65.57	(a)	3,550.67
	11/3/2015		(a)	65.27	(a)	3,550.97
	4/28/2016		(a)	65.10	(a)	3,551.14
	11/16/2016		(a)	65.68	(a)	3,550.56
	5/22/2017		(a)	65.38	(a)	3,550.86
	11/13/2017		(a)	65.70	(a)	3,550.54
	6/1/2018		(a)	65.47	(a)	3,550.77
	11/6/2018		(a)	65.46	(a)	3,550.78
	6/24/2019		(a)	64.75	(a)	3,551.49
	1/5/2020		(a)	64.70	(a)	3,551.54
	5/13/2020		(a)	64.91	(a)	3,551.33
	11/10/2020		(a)	66.32	(a)	3,549.92
	5/7/2021		(a)	66.58	(a)	3,549.66
	11/10/2021		(a)	66.21	(a)	3,550.03
	5/14/2022		66	66.78	0.78	3,550.05
	11/8/2022		(a)	66.10	(a)	3,550.14
MPE-35	3/10/2009	NA	(a)	59.29	(a)	NA
	10/8/2009		(a)	59.96	(a)	NA
	3/22/2010		(a)	59.36	(a)	NA
	4/17/2011		(a)	59.16	(a)	NA
	12/22/2011		(a)	59.67	(a)	NA
	4/17/2012		(a)	59.80	(a)	NA
	10/15/2012		(a)	60.00	(a)	NA
	4/15/2013		(a)	60.08	(a)	NA
	11/3/2013	3609.95 (h)	59.96	60.32	0.36	3,549.90
	11/13/2013		60.04	60.35	0.31	3,549.84
	5/1/2014		60.08	60.30	0.22	3,549.82
	11/21/2014		59.51	60.04	0.53	3,550.31
	4/21/2015		59.22	60.07	0.85	3,550.53
	11/3/2015		58.45	59.91	1.46	3,551.15
	4/28/2016		58.45	60.85	2.40	3,550.92
	11/16/2016		58.58	61.38	2.80	3,550.70
	5/22/2017		58.70	61.45	2.75	3,550.59
	11/13/2017		59.19	62.05	2.86	3,550.07
	6/1/2018		59.24	61.30	2.06	3,550.22
	11/6/2018		58.75	60.50	1.75	3,550.78
	6/24/2019		58.14	59.15	1.01	3,551.57
	1/6/2020		58.50	60.22	1.72	3,551.04
	5/12/2020		58.73	60.40	1.67	3,550.82
	11/9/2020		(a)	60.23	(a)	3,549.72
	5/7/2021		(a)	62.67	(a)	3,547.28
	11/10/2021		(a)	60.12	(a)	3,549.83
	5/11/2022		(a)	60.05	(a)	3,549.90
	11/8/2022		(a)	60.20	(a)	3,549.75
MPE-36	3/10/2009	NA	(a)	54.45	(a)	NA
	10/8/2009		(a)	57.35	(a)	NA
	3/22/2010		(a)	55.09	(a)	NA
	4/17/2011		(a)	54.78	(a)	NA
	12/22/2011		(a)	56.05	(a)	NA
	4/17/2012		(a)	55.99	(a)	NA
	10/15/2012		(a)	57.20	(a)	NA
	4/15/2013		(a)	56.35	(a)	NA
	11/3/2013	3604.60 (h)	(a)	56.58	(a)	3,548.02
	5/1/2014		(a)	56.78	(a)	3,547.82

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-36	11/21/2014		(a)	53.13	(a)	3,551.47
	4/21/2015		(a)	55.71	(a)	3,548.89
	11/3/2015		(a)	50.73	(a)	3,553.87
	4/28/2016		(a)	55.56	(a)	3,549.04
	11/16/2016		(a)	56.90	(a)	3,547.70
	5/22/2017		(a)	56.13	(a)	3,548.47
	11/13/2017		(a)	58.35	(a)	3,546.25
	6/1/2018		(a)	56.52	(a)	3,548.08
	11/6/2018		(a)	40.74	(a)	3,563.86
	6/24/2019		(a)	53.97	(a)	3,550.63
	1/6/2020		(a)	54.62	(a)	3,549.98
	5/13/2020		(a)	54.79	(a)	3,549.81
	11/9/2020		(a)	56.47	(a)	3,548.13
	5/7/2021		(a)	56.73	(a)	3,547.87
	11/10/2021		(a)	54.92	(a)	3,549.68
	5/11/2022		(a)	55.80	(a)	3,548.80
	11/8/2022		(a)	50.50	(a)	3,554.10
MPE-37	3/10/2009	NA	(a)	51.90	(a)	NA
	10/8/2009		(a)	56.51	(a)	NA
	3/22/2010		(a)	52.40	(a)	NA
	4/17/2011		(a)	52.22	(a)	NA
	12/22/2011		(a)	53.48	(a)	NA
	4/17/2012		(a)	53.26	(a)	NA
	10/15/2012		(a)	54.68	(a)	NA
	4/15/2013		(a)	53.63	(a)	NA
	11/3/2013	3601.20 (h)	(a)	54.05	(a)	3,547.15
	5/1/2014		(a)	54.03	(a)	3,547.17
	11/21/2014		(a)	56.17	(a)	3,545.03
	4/21/2015		(a)	53.00	(a)	3,548.20
	11/3/2015		(a)	52.02	(a)	3,549.18
	4/28/2016		(a)	52.61	(a)	3,548.59
	11/16/2016		(a)	54.17	(a)	3,547.03
	5/22/2017		(a)	53.26	(a)	3,547.94
	11/13/2017		(a)	55.83	(a)	3,545.37
	6/1/2018		(a)	53.80	(a)	3,547.40
	11/6/2018		(a)	49.91	(a)	3,551.29
	6/24/2019		(a)	51.55	(a)	3,549.65
	1/6/2020		(a)	52.22	(a)	3,548.98
	5/13/2020		(a)	52.47	(a)	3,548.73
	11/9/2020		(a)	53.77	(a)	3,547.43
	5/7/2021		(a)	53.75	(a)	3,547.45
	11/10/2021		(a)	52.38	(a)	3,548.82
	5/11/2022		(a)	52.82	(a)	3,548.38
	11/8/2022		(a)	62.10	(a)	3,539.10
MPE-38	8/16/2013	3613.81 (h)	63.85	68.88	5.03	3,548.75
	11/3/2013		65.89	68.62	2.73	3,547.26
	5/1/2014		66.14	69.00	2.86	3,546.98
	11/21/2014		67.31	69.85	2.54	3,545.89
	4/21/2015		66.44	68.75	2.31	3,546.82
	11/3/2015		67.25	69.96	2.71	3,545.91
	4/27/2016		66.98	69.80	2.82	3,546.15
	8/28/2016		67.93	70.05	2.12	3,545.37
	11/16/2016		67.87	70.47	2.60	3,545.32
	5/22/2017		67.05	70.05	3.00	3,546.04
	7/14/2017		71.19	71.20	0.01	3,542.62
	7/28/2017		(a)	71.22	(a)	3,542.59
	8/7/2017		(a)	71.10	(a)	3,542.71
	9/9/2017		71.03	71.05	0.02	3,542.78
	11/13/2017		68.90	71.45	2.55	3,544.30
	5/31/2018		67.62	72.40	4.78	3,545.04

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-38	11/6/2018		68.39	70.65	2.26	3,544.88
	6/24/2019		67.58	69.54	1.96	3,545.76
	1/6/2020		67.68	69.41	1.73	3,545.71
	5/12/2020		68.08	69.80	1.72	3,545.32
	11/9/2020		68.55	70.54	1.99	3,544.78
	1/18/2021		67.78	69.53	1.75	3,545.61
	2/10/2021		67.79	69.50	1.71	3,545.61
	3/8/2021		67.30	68.38	1.08	3,546.25
	4/5/2021		(a)	71.48	(a)	3,542.33
	5/7/2021		69.55	69.75	0.20	3,544.21
	6/9/2021		(a)	71.47	(a)	3,542.34
	7/10/2021		70.20	71.17	0.97	3,543.38
	8/2/2021		(a)	72.90	(a)	3,540.91
	9/1/2021		(a)	71.80	(a)	3,542.01
	10/5/2021		72.00	72.01	0.01	3,541.81
	11/3/2021		(a)	71.80	(a)	3,542.01
	11/10/2021		68.84	70.40	1.56	3,544.60
	12/2/2021		68.84	70.40	1.56	3,544.60
	1/10/2022		(a)	69.38	(a)	3,544.43
	2/11/2022		(a)	71.98	(a)	3,541.83
	3/1/2022		(a)	72.88	(a)	3,540.93
	4/4/2022		68.95	69.60	0.65	3,544.70
	5/11/2022		68.70	69.90	1.20	3,544.82
	6/1/2022		(a)	72.83	(a)	3,540.98
	7/18/2022		(a)	72.05	(a)	3,541.76
	8/10/2022		(a)	72.00	(a)	3,541.81
	9/1/2022		(a)	71.90	(a)	3,541.91
	10/11/2022		(a)	72.20	(a)	3,541.61
	11/9/2022		69.00	70.35	1.35	3,544.49
MPE-39	8/16/2013	3608.26 (h)	(a)	60.45	(a)	3,547.81
	11/3/2013		(a)	60.21	(a)	3,548.05
	5/1/2014		60.35	60.48	0.13	3,547.78
	11/21/2014		61	61.26	0.26	3,547.20
	4/21/2015		59.99	62.39	2.40	3,547.69
	11/3/2015		61.17	61.18	0.01	3,547.09
	4/27/2016		61.20	61.21	0.01	3,547.06
	8/28/2016		61.90	62.02	0.12	3,546.33
	11/16/2016		61.77	61.85	0.08	3,546.47
	5/22/2017		61.0	62.30	1.30	3546.95
	11/13/2017		(a)	62.50	(a)	3,545.76
	5/31/2018		61.00	61.02	0.02	3,547.26
	11/6/2018		(a)	61.64	(a)	3,546.62
	6/24/2019		60.78	60.85	0.07	3,547.46
	1/6/2020		61.10	61.25	0.15	3,547.12
	5/13/2020		61.24	61.30	0.06	3,547.01
	11/9/2020		(a)	62.15	(a)	3,546.11
	5/7/2021		(a)	72.16	(a)	3,536.10
	11/10/2021		(a)	62.26	(a)	3,546.00
	5/11/2022		(a)	62.10	(a)	3,546.16
	11/9/2022		(a)	62.43	(a)	3,545.83
MPE-40	8/16/2013	3610.84 (h)	61.52	61.95	0.43	3,549.22
	11/3/2013		61.95	62.25	0.30	3,548.82
	5/1/2014		61.80	62.15	0.35	3,548.96
	11/21/2014		62.81	63.21	0.40	3,547.93
	4/21/2015		61.35	64.74	3.39	3,548.68
	11/3/2015		61.52	66.91	5.39	3,548.03
	4/29/2016		61.48	66.68	5.20	3,548.11
	11/16/2016		61.85	69.95	8.10	3,547.05
	5/22/2017		61.87	67.35	5.48	3,547.65

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-40	11/6/2017		63.72	70.58	6.86	3,545.47
	11/13/2017		63.72	70.58	6.86	3,545.47
	6/1/2018		61.2	62.53	1.33	3,549.32
	11/6/2018		62.59	63.14	0.55	3,548.12
	6/24/2019		61.37	63.35	1.98	3,548.99
	1/5/2020		61.65	64.45	2.80	3,548.52
	5/13/2020		61.34	62.07	0.73	3,549.32
	11/10/2020		64.06	64.16	0.10	3,546.76
	1/18/2021		62.6	64.27	1.67	3,547.84
	2/10/2021		62.75	64.50	1.75	3,547.67
	3/8/2021		61.09	65.61	4.52	3,548.67
	4/5/2021		65	65.15	0.15	3,545.80
	5/7/2021		65.45	65.52	0.07	3,545.37
	6/9/2021		(a)	69.73	(a)	3,541.11
	7/10/2021		63.89	64.80	0.91	3,546.73
	8/2/2021		69.99	70.02	0.03	3,540.84
	9/1/2021		69.64	69.65	0.01	3,541.20
	10/5/2021		65.51	65.52	0.01	3,545.33
	11/3/2021		65.17	65.31	0.14	3,545.64
	11/10/2021		64.35	64.58	0.23	3,546.43
	12/2/2021		64.35	64.58	0.23	3,546.43
	1/10/2022		63.95	64.25	0.30	3,546.82
	2/11/2022		63	66.00	3.00	3,547.12
	3/1/2022		65.8	69.50	3.70	3,544.15
	4/4/2022		64.25	65.58	1.33	3,546.27
	5/14/2022		64.40	64.70	0.30	3,546.37
	6/1/2022		(a)	65.80	(a)	3,545.04
	7/18/2022		65.20	65.52	0.32	3,545.56
	8/10/2022		65.69	66.05	0.36	3,545.06
	9/1/2022		65.45	65.79	0.34	3,545.31
	10/11/2022		65.70	66.00	0.30	3,545.07
MPE-41	8/16/2013	3605.49 (h)	60.40	60.90	0.50	3,544.97
	11/3/2013		56.19	62.74	6.55	3,547.73
	11/13/2013		56.58	62.72	6.14	3,547.44
	5/1/2014		56.35	62.85	6.50	3,547.58
	11/21/2014		60.87	61.23	0.36	3,544.53
	4/21/2015		56.03	61.10	5.07	3,548.24
	11/3/2015		55.78	59.07	3.29	3,548.92
	4/28/2016		56.51	60.44	3.93	3,548.04
	8/28/2016		58.98	61.17	2.19	3,545.98
	11/16/2016		58.21	61.02	2.81	3,546.61
	5/22/2017		56.48	61.47	4.99	3,547.81
	11/6/2017		(a)	71.05	(a)	3,534.44
	11/13/2017		(a)	61.20	(a)	3,544.29
	6/1/2018		57.8	59.18	1.38	3,546.31
	6/24/2019	Not Gauged due to Pump Interference				
	1/7/2020		56.5	57.75	1.25	3,548.69
	5/13/2020		57.16	57.26	0.10	3,548.31
	11/9/2020		57.97	58.62	0.65	3,547.36
	1/18/2021		56.39	58.50	2.11	3,548.59
	2/10/2021		56.45	59.75	3.30	3,548.25
	3/8/2021		56.49	59.78	3.29	3,548.21
	4/5/2021		(a)	68.80	(a)	3,536.69
	5/7/2021		58.08	58.36	0.28	3,547.34
	6/9/2021		(a)	69.03	(a)	3,536.46
	7/10/2021		(a)	56.95	(a)	3,548.54
	8/2/2021		54.29	54.48	0.19	3,551.15
	9/1/2021		56.13	56.30	0.17	3,549.32
	10/5/2021		56.2	57.00	0.80	3,549.10

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
MPE-41	11/3/2021		56.45	56.85	0.40	3,548.94
	11/10/2021		56.5	58.65	2.15	3,548.47
	12/2/2021		56.5	58.65	2.15	3,548.47
	1/10/2022		56.73	56.90	0.17	3,548.72
	2/11/2022		57.65	60.10	2.45	3,547.25
	3/1/2022		57.2	60.00	2.80	3,547.62
	4/4/2022		56.45	58.45	2.00	3,548.56
	5/11/2022		57.2	61.00	3.80	3,547.38
	6/1/2022		57.66	60.80	3.14	3,547.08
	7/18/2022		56.9	58.05	1.15	3,548.31
	8/10/2022		57.7	58.10	0.40	3,547.69
	11/8/2022		56.7	56.80	0.10	3,548.77
SVE-1A	6/24/2019	NA	(a)	dry	(a)	NA
	1/5/2020		(a)	dry	(a)	NA
	5/13/2020		(a)	dry	(a)	NA
	11/10/2020		(a)	dry	(a)	NA
	5/7/2021		(a)	dry	(a)	NA
	11/10/2021		(a)	dry	(a)	NA
	5/14/2022		(a)	dry	(a)	NA
	11/8/2022		(a)	dry	(a)	NA
SVE-2A	6/24/2019	NA	(a)	dry	(a)	NA
	1/5/2020		(a)	dry	(a)	NA
	5/13/2020		(a)	dry	(a)	NA
	11/10/2020		(a)	dry	(a)	NA
	5/7/2021		(a)	dry	(a)	NA
	11/10/2021		(a)	29.42	(a)	NA
	5/14/2022		(a)	dry	(a)	NA
	11/8/2022		(a)	dry	(a)	NA
SVE-3	6/24/2019	NA	(a)	dry	(a)	NA
	1/5/2020		(a)	dry	(a)	NA
	5/13/2020		(a)	dry	(a)	NA
	11/10/2020		(a)	dry	(a)	NA
	5/7/2021		(a)	dry	(a)	NA
	11/10/2021		(a)	dry	(a)	NA
	5/14/2022		(a)	dry	(a)	NA
	11/8/2022		(a)	dry	(a)	NA
SVE-22	3/10/2009	NA	33.00	33.20	0.20	NA
	10/8/2009		32.92	33.10	0.18	NA
	1/26/2010		33.05	33.05 (TD)	0.00	NA
	3/22/2010		33.02	33.02 (TD)	0.00	NA
	4/17/2011		32.90	33.00 (TD)	0.10	NA
	12/22/2011		(a)	33.04	(a)	NA
	4/17/2012		(a)	33.00 (TD)	(a)	NA
	10/18/2012		(a)	33.00 (TD)	(a)	NA
	4/15/2013		(a)	32.98	(a)	NA
	11/3/2013	3616.76 (h)	(a)	33.08	(a)	3,583.68
	5/1/2014		(a)	dry	(a)	NA
	11/21/2014		(a)	dry	(a)	NA
	4/21/2015		(a)	dry	(a)	NA
	11/3/2015		33.00	33.11	0.11	3,583.73
	4/29/2016		32.94	33.09	0.15	3,583.78
	11/16/2016		32.78	32.95	0.17	3,583.94
	5/22/2017		33.00	33.10	0.10	3,583.74
	11/13/2017		33.14	33.19	0.05	3,583.61
	6/1/2018		33.02	33.10	0.08	3,583.72
	11/6/2018		(a)	33.05	(a)	3,583.71
	6/24/2019		32.74	32.75	0.01	3,584.02
	1/5/2020		(a)	dry	(a)	NA
	5/13/2020		(a)	dry	(a)	NA
	11/10/2020		(a)	dry	(a)	NA

Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
SVE-22	5/7/2021		(a)	dry	(a)	NA
	11/10/2021		33.10	33.20	0.10	3,583.64
	4/4/2022		(a)	33.00	(a)	3,583.71
	5/14/2022		(a)	33.32	(a)	3,583.44
	6/1/2022		(a)	33.10	(a)	3,583.66
	7/18/2022		(a)	dry	(a)	NA
	8/10/2022		(a)	33.20	(a)	3,583.56
	9/1/2022		(a)	dry	(a)	NA
	10/11/2022		(a)	dry	(a)	NA
	11/8/2022		(a)	dry	(a)	NA
SVE-23	3/10/2009	NA	32.78	36.75	3.97	NA
	10/8/2009		33.01	33.79	0.78	NA
	1/26/2010		33.12	36.98 (TD)	3.86	NA
	3/22/2010		32.09	33.65	1.56	NA
	4/17/2011		33.00	33.30	0.30	NA
	12/22/2011		33.60	34.05	0.45	NA
	4/17/2012		33.62	34.10	0.48	NA
	10/18/2012		34.11	34.68	0.57	NA
	4/15/2013		33.65	33.92	0.27	NA
	11/3/2013	3612.45 (h)	33.73	36.52	2.79	3,578.05
	5/1/2014		33.78	36.80	3.02	3,577.95
	11/21/2014		32.15	32.84	0.69	3,580.13
	4/21/2015		32.75	33.40	0.65	3,579.54
	11/3/2015		32.74	33.07	0.33	3,579.63
	4/29/2016		33.01	33.33	0.32	3,579.36
	11/16/2016		33.37	33.82	0.45	3,578.97
	5/22/2017		33.60	34.15	0.55	3,578.72
	11/13/2017		32.64	33.28	0.64	3,579.66
	6/1/2018		33.27	33.95	0.68	3,579.02
	11/6/2018		32.55	35.70	3.15	3,579.14
	6/24/2019		Not Gauged - Snake Hazard Exist in Vault			
	1/5/2020		33.10	33.75	0.65	3,579.19
	5/13/2020		33.52	36.50	2.98	3,578.21
	11/10/2020		33.70	34.87	1.17	3,578.47
	1/18/2021		33.80	34.88	1.08	3,578.39
	2/10/2021		33.78	34.87	1.09	3,578.41
	3/8/2021		33.85	34.88	1.03	3,578.35
	4/5/2021		34.00	37.00	3.00	3,577.73
	5/7/2021		33.10	33.75	0.65	3,579.19
	6/9/2021		34.06	36.80	2.74	3,577.73
	7/10/2021		33.33	34.66	1.33	3,578.80
	8/2/2021		32.65	34.20	1.55	3,579.43
	9/1/2021		32.72	34.35	1.63	3,579.34
	10/5/2021		32.85	34.15	1.30	3,579.29
	11/3/2021		32.89	34.36	1.47	3,579.21
	11/10/2021		Not Gauged			
	12/2/2021		32.89	34.35	1.46	3579.21
	1/10/2022		33.15	34.30	1.15	3579.02
	2/11/2022		33.22	34.10	0.88	3579.02
	3/1/2022		33.00	34.10	1.10	3579.19
	4/4/2022		33.23	34.50	1.27	3578.92
	5/14/2022		33.30	33.89	0.59	3579.01
	6/1/2022		33.35	34.05	0.70	3578.93
	7/18/2022		32.95	33.00	0.05	3579.49
	8/10/2022		33.00	33.47	0.47	3579.34
	10/11/2022		32.60	32.95	0.35	3579.77
	11/8/2022		32.65	32.66	0.01	3579.80
SVE-24	3/10/2009	NA	(a)	dry	(a)	NA
	10/8/2009		(a)	dry	(a)	NA
	1/26/2010		(a)	dry	(a)	NA

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
SVE-24	3/22/2010		(a)	dry	(a)	NA
	4/17/2011		(a)	dry	(a)	NA
	12/22/2011		(a)	dry	(a)	NA
	4/17/2012		(a)	dry	(a)	NA
	10/18/2012		(a)	dry	(a)	NA
	4/15/2013		(a)	dry	(a)	NA
	11/3/2013	3608.97 (h)	(a)	dry	(a)	NA
	5/1/2014		(a)	dry	(a)	NA
	11/21/2014		(a)	dry	(a)	NA
	4/21/2015		(a)	28.61	(a)	3,580.36
	11/3/2015		(a)	dry	(a)	NA
	4/27/2016		(a)	dry	(a)	NA
	11/16/2016		(a)	dry	(a)	NA
	5/22/2017		(a)	dry	(a)	NA
	11/13/2017		(a)	dry	(a)	NA
	5/31/2018		(a)	dry	(a)	NA
	11/6/2018		(a)	dry	(a)	NA
	6/24/2019		(a)	dry	(a)	NA
	1/6/2020		(a)	dry	(a)	NA
	5/13/2020		(a)	dry	(a)	NA
	11/9/2020		(a)	dry	(a)	NA
	5/7/2021		(a)	dty	(a)	NA
	11/10/2021		(a)	dry	(a)	NA
	5/11/2022		(a)	dry	(a)	NA
	11/9/2022		(a)	dry	(a)	NA
SVE-25	3/10/2009	NA	(a)	32.70	(a)	NA
	10/8/2009		(a)	31.40	(a)	NA
	1/26/2010		(a)	dry	(a)	NA
	3/22/2010		(a)	32.80	(a)	NA
	4/17/2011		(a)	32.23	(a)	NA
	12/22/2011		(a)	32.65	(a)	NA
	4/17/2012		(a)	dry	(a)	NA
	10/18/2012		(a)	32.70	(a)	NA
	4/15/2013		(a)	dry	(a)	NA
	11/3/2013	3617.02 (h)	(a)	32.72	(a)	3,584.30
	5/1/2014		(a)	32.70	(a)	3,584.32
	11/21/2014		(a)	dry	(a)	NA
	4/21/2015		(a)	32.73	(a)	3,584.29
	11/3/2015		(a)	dry	(a)	NA
	4/29/2016		(a)	dry	(a)	NA
	11/16/2016		(a)	dry	(a)	NA
	5/22/2017		(a)	dry	(a)	NA
	11/13/2017		(a)	31.88	(a)	3,585.14
	6/1/2018		(a)	32.60	(a)	3,584.42
	11/6/2018		(a)	31.75	(a)	3,585.27
	6/24/2019		(a)	dry	(a)	NA
	1/5/2020		(a)	dry	(a)	NA
	5/13/2020		(a)	dry	(a)	NA
	11/10/2020		32.5	32.69	0.19	3,584.47
	1/18/2021		32.6	32.71	0.11	3,584.39
	2/10/2021		32.57	32.70	0.13	3,584.42
	3/8/2021		32.55	32.82	0.27	3,584.41
	4/5/2021		32.65	32.75	0.10	3,584.35
	5/7/2021		(a)	dry	(a)	NA
	6/9/2021		32.85	32.90	0.05	3,584.16
	7/10/2021		32.67	32.71	0.04	3,584.34
	8/2/2021		32.3	32.80	0.50	3,584.60
	9/1/2021		31.35	31.65	0.30	3,585.60
	10/5/2021		31.12	31.14	0.02	3,585.90
	11/3/2021		(a)	32.20	(a)	3,584.82

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
SVE-25	11/10/2021		(a)	32.24	(a)	3,584.78
	12/2/2021		(a)	32.25	(a)	3,584.77
	1/10/2022		(a)	32.35	(a)	3,584.67
	2/11/2022		(a)	32.40	(a)	3,584.62
	3/1/2022		(a)	32.35	(a)	3,584.67
	4/4/2022		(a)	32.45	(a)	3,584.57
	5/14/2022		(a)	32.81	(a)	3,584.21
	6/1/2022		(a)	32.50	(a)	3,584.52
	7/18/2022		(a)	dry	(a)	NA
	8/10/2022		(a)	32.55	(a)	3,584.47
	9/1/2022		(a)	dry	(a)	NA
	10/11/2022		(a)	dry	(a)	NA
	11/8/2022		(a)	dry	(a)	NA
SVE-26	3/10/2009	NA	(a)	dry	(a)	NA
	10/8/2009		(a)	dry	(a)	NA
	1/26/2010		(a)	dry	(a)	NA
	3/22/2010		(a)	dry	(a)	NA
	4/17/2011		(a)	dry	(a)	NA
	12/22/2011		(a)	dry	(a)	NA
	4/17/2012		(a)	dry	(a)	NA
	10/18/2012		(a)	dry	(a)	NA
	4/15/2013		(a)	dry	(a)	NA
	11/3/2013	3614.43 (h)	(a)	dry	(a)	NA
	5/1/2014		(a)	dry	(a)	NA
	11/21/2014		(a)	dry	(a)	NA
	4/21/2015		(a)	32.6	(a)	3,581.83
	11/3/2015		(a)	dry	(a)	NA
	4/29/2016		(a)	dry	(a)	NA
	11/16/2016		(a)	dry	(a)	NA
	5/22/2017		(a)	dry	(a)	NA
	11/13/2017		(a)	dry	(a)	NA
	6/1/2018		(a)	dry	(a)	NA
	11/6/2018		(a)	dry	(a)	NA
	6/24/2019		(a)	dry	(a)	NA
	1/5/2020		(a)	dry	(a)	NA
	5/13/2020		(a)	dry	(a)	NA
	11/10/2020		(a)	dry	(a)	NA
	5/7/2021		(a)	dry	(a)	NA
	11/10/2021		(a)	dry	(a)	NA
	5/14/2022		(a)	dry	(a)	NA
	11/8/2022		(a)	dry	(a)	NA
SVE-27	3/10/2009	NA	(a)	32.92	(a)	NA
	10/8/2009		(a)	33.63	(a)	NA
	1/26/2010		(a)	dry	(a)	NA
	3/22/2010		(a)	33.70	(a)	NA
	4/17/2011		(a)	33.70	(a)	NA
	12/22/2011		(a)	33.83	(a)	NA
	4/17/2012		(a)	dry	(a)	NA
	10/18/2012		(a)	dry	(a)	NA
	4/15/2013		(a)	33.82	(a)	NA
	11/3/2013	3613.19 (h)	(a)	dry	(a)	NA
	5/1/2014		(a)	dry	(a)	NA
	11/21/2014		(a)	33.01	(a)	3,580.18
	4/21/2015		(a)	33.58	(a)	3,579.61
	11/3/2015		(a)	33.54	(a)	3,579.65
	4/29/2016		(a)	33.82	(a)	3,579.37
	11/16/2016		(a)	34.15	(a)	3,579.04
	5/22/2017		(a)	dry	(a)	NA
	11/13/2017		(a)	33.48	(a)	3,579.71
	6/1/2018		(a)	34.00	(a)	3,579.19

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
SVE-27	11/6/2018		(a)	33.31	(a)	3,579.88
	6/24/2019		Not Gauged			
	1/5/2020		(a)	dry	(a)	NA
	5/13/2020		(a)	dry	(a)	NA
	11/10/2020		(a)	dry	(a)	NA
	5/7/2021		(a)	dry	(a)	NA
	11/10/2021		(a)	dry	(a)	NA
	5/14/2022		(a)	dry	(a)	NA
	11/8/2022		(a)	dry	(a)	NA
SVE-28	3/10/2009	NA	(a)	28.60	(a)	NA
	10/8/2009		(a)	28.95	(a)	NA
	1/26/2010		(a)	dry	(a)	NA
	3/22/2010		(a)	29.07	(a)	NA
	4/17/2011		(a)	29.17	(a)	NA
	12/22/2011		(a)	29.65	(a)	NA
	4/17/2012		(a)	dry	(a)	NA
	10/18/2012		(a)	dry	(a)	NA
	4/15/2013		(a)	33.58	(a)	NA
	11/3/2013	3607.84 (h)	(a)	dry	(a)	NA
	5/1/2014		(a)	dry	(a)	NA
	11/21/2014		(a)	28.59	(a)	3,579.25
	4/21/2015		(a)	28.86	(a)	3,578.98
	11/3/2015		(a)	28.75	(a)	3,579.09
	4/27/2016		(a)	28.97	(a)	3,578.87
	11/16/2016		(a)	29.18	(a)	3,578.66
	5/22/2017		(a)	29.44	(a)	3,578.40
	11/13/2017		(a)	28.76	(a)	3,579.08
	6/1/2018		(a)	29.15	(a)	3,578.69
	11/6/2018		(a)	28.53	(a)	3,579.31
	6/24/2019		(a)	28.97	(a)	3,578.87
	1/5/2020		(a)	28.81	(a)	3,579.03
	5/13/2020		(a)	29.05	(a)	3,578.79
	11/10/2020		(a)	29.73	(a)	3,578.11
	5/7/2021		(a)	31.37	(a)	3,576.47
	11/10/2021		(a)	30.63	(a)	3,577.21
	5/14/2022		(a)	29.10	(a)	3,578.74
	11/9/2022		(a)	28.60	(a)	3,579.24
SVE-30	3/10/2009	NA	(a)	39.32	(a)	NA
	10/8/2009		(a)	39.29	(a)	NA
	3/22/2010		(a)	40.28	(a)	NA
	4/17/2011		(a)	40.11	(a)	NA
	12/22/2011		(a)	41.11	(a)	NA
	4/17/2012		(a)	41.65	(a)	NA
	10/18/2012		(a)	41.42	(a)	NA
	4/15/2013		(a)	41.67	(a)	NA
	11/3/2013	3616.00 (h)	(a)	43.02	(a)	3,572.98
	5/1/2014		(a)	43.35	(a)	3,572.65
	11/21/2014		(a)	43.30	(a)	3,572.70
	4/21/2015		(a)	41.80	(a)	3,574.20
	11/3/2015		(a)	41.60	(a)	3,574.40
	4/28/2016		(a)	41.56	(a)	3,574.44
	11/16/2016		(a)	41.23	(a)	3,574.77
	5/22/2017		NA	NA	NA	NA
	11/13/2017		(a)	42.00	(a)	3,574.00
	6/1/2018		(a)	42.02	(a)	3,573.98
	11/6/2018		(a)	42.46	(a)	3,573.54
	6/24/2019		(a)	42.52	(a)	3,573.48
	1/5/2020		(a)	42.45	(a)	3,573.55
	5/13/2020		(a)	42.55	(a)	3,573.45
	11/10/2020		(a)	43.05	(a)	3,572.95

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)
SVE-30	5/7/2021		(a)	43.22	(a)	3,572.78
	11/10/2021		(a)	43.25	(a)	3,572.75
	5/14/2022		(a)	43.01	(a)	3,572.99
	11/8/2022		(a)	43.27	(a)	3,572.73
	3/10/2009	NA	(a)	30.45	(a)	NA
	10/8/2009		(a)	30.43	(a)	NA
	1/26/2010		(a)	30.55	(a)	NA
SVE-31	3/22/2010		(a)	31.49	(a)	NA
	4/17/2011		(a)	dry	(a)	NA
	12/22/2011		(a)	28.50	(a)	NA
	4/17/2012		(a)	dry	(a)	NA
	10/18/2012		(a)	dry	(a)	NA
	4/15/2013		(a)	dry	(a)	NA
	11/3/2013	3612.67 (h)	(a)	dry	(a)	NA
	5/1/2014		(a)	dry	(a)	NA
	11/21/2014		(a)	30.27	(a)	3,582.40
	4/21/2015		(a)	30.97	(a)	3,581.70
	11/3/2015		(a)	30.20	(a)	3,582.47
	4/28/2016		(a)	30.35	(a)	3,582.32
	11/16/2016		(a)	30.73	(a)	3,581.94
	5/22/2017		(a)	dry	(a)	NA
	11/13/2017		(a)	30.48	(a)	3,582.19
	6/1/2018		(a)	dry	(a)	NA
	11/6/2018		(a)	30.24	(a)	3,582.43
	6/24/2019		(a)	dry	(a)	NA
	1/5/2020		(a)	dry	(a)	NA
	5/13/2020		(a)	dry	(a)	NA
	11/10/2020		(a)	31.65	(a)	3,581.02
	5/7/2021		(a)	dry	(a)	NA
	11/10/2021		(a)	30.63	(a)	3,582.04
	5/14/2022		(a)	dry	(a)	NA
	11/8/2022		(a)	dry	(a)	NA
RW-1	3/10/2009	NA	(a)	33.17	(a)	NA
	10/8/2009		(a)	33.48	(a)	NA
	3/22/2010		(a)	33.62	(a)	NA
	4/17/2011		(a)	33.80	(a)	NA
	12/22/2011		(a)	34.26	(a)	NA
	4/17/2012		(a)	34.57	(a)	NA
	10/18/2012		(a)	35.16	(a)	NA
	4/15/2013		(a)	35.77	(a)	NA
	11/3/2013	3612.72 (h)	(a)	34.95	(a)	3,577.77
	4/30/2014		(a)	35.48	(a)	3,577.24
	11/19/2014		(a)	32.46	(a)	3,580.26
	4/21/2015		(a)	33.08	(a)	3,579.64
	11/3/2015		(a)	33.00	(a)	3,579.72
	4/28/2016		(a)	33.32	(a)	3,579.40
	11/16/2016		(a)	33.70	(a)	3,579.02
	5/22/2017		(a)	34.03	(a)	3,578.69
	11/13/2017		(a)	32.96	(a)	3,579.76
	6/1/2018		(a)	33.62	(a)	3,579.10
	11/6/2018		(a)	32.82	(a)	3,579.90
	6/24/2019		(a)	33.57	(a)	3,579.15
	1/5/2020		(a)	33.38	(a)	3,579.34
	5/13/2020		(a)	33.68	(a)	3,579.04
	11/10/2020		(a)	34.55	(a)	3,578.17
	5/7/2021		(a)	36.85	(a)	3,575.87
	11/10/2021		(a)	33.40	(a)	3,579.32
	5/14/2022		(a)	33.60	(a)	3,579.12
	11/8/2022		32.95	33.00	0.05	3,579.76

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Table 3-2. Summary of Groundwater Surface Elevations
Transwestern Compressor Station No. 9 - Roswell, NM

Well ID	Date	TOC elevation (ft)	Depth to PSH (ft below TOC)	Depth to Groundwater (ft below TOC)	PSH (ft)	Groundwater Surface Elevation (ft)

Notes:
Prepared by: SWS 12/12/2022
Checked by: JDD 1/23/2023

PSH - Phase separated hydrocarbon
ft - feet
TOC - Top of Casing
Corrections to ground water surface elevation for PSH is calculated assuming a specific gravity of 0.76
(NA) Information not available
(a) Not applicable since no measurable thickness of PSH is present
(b) Elevation based on survey by Wagener Engineering dated 5/6/98
(c) Elevation based on survey by Wagener Engineering dated 9/17/98
(d) Elevation based on survey by Wagener Engineering dated 11/29/00
(e) Elevation based on survey by Wagener Engineering dated 10/03/01
(f) Elevation based on survey by Cypress Engineering dated 03/14/03
(g) Elevation based on survey by Cypress Engineering dated 06/23/07
(h) Elevation based on survey by PR Patton & Associates dated 10/01/13
Historical data before 2009 is presented in previous reports
Historical data for wells that were plugged and abandoned is not shown.

Table 3-3. Summary of Field Parameters
Transwestern Compressor Station No. 9 - Roswell, NM

Monitoring Well	Sample Date	Sample Time	Purge Volume Gallons	Temperature °C	pH Standard Units	Dissolved Oxygen mg/L	ORP mV	Conductivity mS/cm
MW-10	5/14/22	10:45	1.25	20.27	7.20	2.92	30.1	3.205
	11/20/22	**Dry**						
MW-11	5/14/22	9:30	1.75	19.48	7.16	3.57	27.0	3.242
	11/20/22	**Dry**						
MW-13	11/20/22	15:25	1.75	20.91	6.95	6.33	-74.4	3.880
MW-14	11/18/22	14:50	4.00	19.31	6.87	6.47	-112.4	3.459
MW-16	5/12/22	**Not sampled due to PSH in well**						
	11/18/22	**Not sampled due to PSH in well**						
MW-17	5/12/22	9:50	2.00	19.46	7.25	2.1	-51.5	4.281
	11/18/22	**Dry**						
MW-20	5/12/22	15:45	10.60	19.87	7.10	1.58	-17.2	4.073
	11/20/22	13:40	4.25	18.70	6.93	7.46	-32.1	3.848
MW-21	5/12/22	9:17	4.00	20.55	6.94	6.49	-112.8	3.077
	11/18/22	11:50	3.50	18.47	6.87	6.41	-172.0	3.139
MW-22	5/12/22	13:50	3.50	21.12	7.23	5.28	7.1	4.04
	11/20/22	12:56	2.00	18.44	7.01	8.36	-95.2	3.584
MW-24D	11/21/22	9:25	50.0	18.16	7.07	6.07	-219.8	3.381
MW-26	5/12/22	14:37	4.75	19.25	6.94	4.14	47.3	4.052
	11/20/22	14:03	2.00	18.60	6.73	8.07	-15.3	3.828
MW-27	5/11/22	14:03	2.50	20.69	6.69	2.75	-131.3	3.958
	11/18/22	10:30	2.50	19.58	6.73	5.90	-239.1	3.882
MW-29	5/11/22	13:35	1.75	24.17	6.98	2.60	-99.9	3.834
	11/17/22	15:12	1.75	18.49	6.89	6.23	-112.7	3.633
MW-32	11/17/22	14:15	2.75	18.93	6.97	7.05	-3.5	3.399
MW-34	5/11/22	12:10	5.25	20.45	7.06	4.76	-77.5	3.729
	11/17/22	11:17	5.00	18.90	7.00	5.81	-80.6	3.540
MW-35	11/17/22	13:50	7.00	18.89	7.13	7.68	-20.9	3.957
MW-37	11/17/22	10:25	4.75	18.83	6.94	6.30	-100.0	3.847
MW-39	5/14/22	9:12	10.00	19.15	7.02	5.44	18.9	3.184
	11/21/22	11:45	9.50	18.65	6.90	7.46	-62.4	3.748
MW-40	5/13/22	10:10	7.75	19.10	7.03	4.94	35.7	3.980
	11/21/22	10:35	7.25	18.79	6.87	7.09	-97.8	3.759
MW-41	5/13/22	10:50	6.8	20.01	7.04	5.46	43.7	3.915
	11/21/22	11:05	6.00	18.96	6.91	7.69	-78.8	3.709
MW-42	5/13/22	9:35	10.00	18.88	7.03	4.8	26.8	4.03
	11/21/22	9:40	9.0	17.82	6.91	7.31	-157.5	3.778
SVE-1A	11/8/22	**Dry**						
SVE-2A	11/8/22	**Dry**						
SVE-3	11/8/22	**Dry**						
SVE-22	11/8/22	**Dry**						
SVE-23	11/8/22	**Dry**						
SVE-24	11/9/22	**Dry**						
SVE-25	11/8/22	**Dry**						
SVE-26	11/8/22	**Dry**						
SVE-27	11/8/22	**Dry**						
SVE-28	5/14/22	13:25	2.75	21.63	6.95	0.73	-114.2	2.644
	11/20/22	16:00	3.00	20.73	6.79	5.63	-105.7	3.025
SVE-30	5/14/22	9:45	**Small water column, sampled immediately**					
	11/20/22	**Dry**						
SVE-31	5/14/22	**Dry**						
	11/8/22	**Dry**						
RW-1	5/14/22	14:00	17.00	23.30	6.89	0.58	-229.6	2.926
	11/20/22	**Not sampled due to PSH in well**						

Notes
mg/L - milligrams per liter
mV - millivolts
µs/cm - microsiemens per centimeter
NS - Not Analyzed
Note: Field parameters are only shown for wells sampled

°C - Degrees Celsius

Prepared by: SWS 12/12/2022
Checked by: JDD 3/14/2023

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Table 3-4. Summary of Historical Field Parameters
Transwestern Compressor Station No. 9 - Roswell, NM

Monitoring Well	Sample Date	Sample Time	Purge Volume Gallons	Temperature °C	pH Standard Units	Dissolved Oxygen mg/L	ORP mV	Conductivity mS/cm
MW-10	2/13/2020	14:20	1.25	18.73	6.22	3.39	-121.2	3.793
	5/11/2021	10:00	1.00	19.39	7.10	4.89	163	3.751
	11/14/2021	15:03	1.25	19.62	7.30	0.86	24.5	3.718
MW-11	2/13/2020	14:55	1.75	18.17	6.05	5.06	-80.3	3.912
	5/11/2021	9:35	1.50	19.25	7.19	6.19	153.2	3.863
	11/14/2021	10:36	2.00	18.95	7.48	2.70	-3.8	3.900
MW-13	11/17/2016	13:05	2.00	22.49	7.20	2.08	-19.2	2.937
	11/16/2017	12:10	2.50	21.54	7.15	2.43	-9.2	3.484
	11/12/2018	14:30	2.00	18.71	7.03	3.34	-62.5	3.616
	1/8/2020	16:20	3.50	19.53	6.93	3.12	-138.2	3.724
	11/14/2021	16:30	3.00	20.88	7.45	0.68	-36.8	3.872
MW-14	11/16/2016	11:10	4.00	19.82	7.10	1.27	-14.8	2.859
	11/15/2017	11:39	3.75	19.26	7.01	4.86	-3.4	3.281
	11/8/2018	14:25	4.00	19.10	6.88	3.87	-66.2	3.658
	1/7/2020	9:41	4.25	18.52	6.96	2.58	-188.7	3.589
	11/14/2021	9:55	4.50	18.83	7.21	1.39	-39.4	3.825
MW-16	6/24/2019	Not sampled due to PSH in well						
	1/6/2020	Not sampled due to PSH in well						
	11/13/2021	Not sampled due to PSH in well						
MW-17	2/13/2020	15:35	2.00	18.06	6.26	3.82	-140.0	4.129
	9/9/2020	16:00	1.75	17.23	6.72	5.22	7.4	4.029
	5/11/2021	16:17	3.25	19.36	7.26	5.58	-8.0	4.098
	11/13/2021	11:22	2.00	18.01	7.55	5.20	-21.9	4.109
MW-20	11/16/2016	13:21	4.75	18.82	7.21	3.81	-20.4	2.964
	5/24/2017	14:02	5.25	19.79	6.95	3.54	-10.6	3.679
	11/15/2017	13:42	4.00	18.89	7.01	7.88	-3.2	3.555
	6/1/2018	9:20	5.00	19.14	7.02	7.25	-14.9	3.800
	11/9/2018	10:35	6.50	17.61	6.90	3.20	73.2	3.757
	6/25/2019	9:17	6.00	20.17	6.85	6.48	100.9	3.717
	1/6/2020	15:21	5.75	17.55	6.92	5.20	97.5	3.757
	5/11/2021	10:47	5.00	18.77	7.28	7.70	70.4	3.822
	11/22/2021	15:07	5.50	18.45	7.30	6.71	34.5	3.896
MW-21	11/16/2016	9:45	4.25	18.68	7.15	1.98	-17.0	2.528
	11/14/2017	15:01	3.00	20.45	7.09	1.37	-6.7	2.988
	11/8/2018	11:26	3.00	18.79	6.94	1.54	-139.1	3.135
	6/24/2019	11:40	4.00	20.75	6.68	1.66	-110.8	3.168
	11/26/2019	11:00	4.00	18.32	6.18	1.96	-128.3	3.248
	5/11/2021	15:58	4.00	20.29	7.03	4.54	-103.4	3.164
	11/12/2021	14:00	3.75	18.55	7.16	1.77	-99.7	3.163
MW-22	11/16/2016	12:30	2.75	19.07	7.15	4.47	-17.2	2.840
	5/24/2017	10:35	3.00	19.38	6.90	4.84	-8.5	3.538
	11/15/2017	14:11	2.75	18.69	7.03	7.18	-4.1	3.439
	6/1/2018	11:05	3.00	19.46	6.91	1.08	-8.8	3.686
	11/9/2018	10:58	3.00	18.31	6.98	3.62	79.7	3.654
	6/25/2019	8:45	3.50	18.96	6.94	6.71	96.6	3.684
	1/6/2020	14:31	3.50	18.35	7.32	5.86	61.9	3.914
	5/11/2021	10:07	3.00	18.80	7.32	7.09	21.7	3.771
	11/22/2021	14:40	3.50	19.35	7.41	3.16	-15.2	3.842
MW-24D	11/17/2016	11:55	55.00	19.67	7.11	0.10	-15.5	2.818
	11/16/2017	13:11	55.00	19.44	6.82	0.31	4.2	3.425
	11/12/2018	13:20	50.00	17.67	7.07	2.78	-143.0	3.360
	1/7/2020	10:35	55.00	18.81	7.10	0.51	60.2	3.225
	11/22/2021	16:50	50.00	18.12	7.41	3.15	-192.7	3.619
MW-26	11/16/2016	13:57	6.50	18.73	6.94	3.07	-7.6	2.917
	5/24/2017	11:09	6.75	19.03	6.78	0.38	-1.8	3.596
	11/15/2017	12:40	6.25	18.87	7.02	5.98	-1.2	3.588
	6/1/2018	10:07	6.50	19.22	6.84	4.46	-5.3	3.742
	11/9/2018	9:47	7.25	18.35	6.92	3.46	60.9	3.740
	6/25/2019	10:03	7.50	18.90	6.76	6.76	104.4	3.741
	1/6/2020	16:21	7.25	18.24	6.89	5.46	72.1	3.627
	5/11/2021	11:10	6.00	18.67	6.96	6.32	93.4	3.816
	11/22/2021	15:56	7.25	17.85	7.29	6.25	39.2	3.861

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Table 3-4. Summary of Historical Field Parameters
Transwestern Compressor Station No. 9 - Roswell, NM

Monitoring Well	Sample Date	Sample Time	Purge Volume Gallons	Temperature °C	pH Standard Units	Dissolved Oxygen mg/L	ORP mV	Conductivity mS/cm
MW-27	11/15/2016	14:49	4.50	19.69	6.83	1.62	-3.0	2.512
	5/23/2017	13:53	3.00	--	--	--	--	--
	11/14/2017	13:41	2.75	19.52	6.81	2.25	4.3	3.194
	5/31/2018	8:05	2.75	19.69	6.57	3.25	8.8	3.473
	11/6/2018	14:45	2.75	19.25	6.72	0.90	-319.5	3.424
	11/26/2019	9:50	2.75	19.26	6.47	1.32	-308.4	3.737
	5/11/2021	15:17	3.00	20.04	6.96	2.70	-276	3.867
	11/12/2021	12:23	2.50	18.33	7.04	2.34	-181.1	3.971
MW-29	11/15/2016	14:30	2.00	20.13	7.08	1.08	-14.1	2.319
	5/23/2017	13:46	2.25	21.35	6.88	0.35	-7.1	2.857
	11/14/2017	12:55	2.00	18.99	7.07	3.19	-6.2	2.854
	5/30/2018	15:31	1.00	20.49	6.85	1.08	-5.8	3.065
	11/7/2018	14:30	3.00	18.74	7.07	7.36	93.1	3.621
	6/24/2019	11:00	2.00	21.02	6.70	0.79	-142.4	3.209
	11/25/2019	16:05	2.00	20.69	6.70	2.33	-116.1	3.412
	5/11/2021	14:47	1.75	19.63	7.13	2.65	-112.7	3.596
	11/11/2021	10:42	1.75	18.25	7.32	4.03	-91.2	3.611
MW-32	11/15/2016	13:11	3.25	19.79	7.13	1.11	-16.4	2.369
	5/23/2017	12:58	3.25	20.27	6.88	1.19	-6.9	2.937
	11/14/2017	12:30	3.25	19.75	7.10	2.00	-7.0	2.899
	5/30/2018	14:51	3.25	20.87	6.95	2.21	-11.5	3.164
	11/6/2018	13:56	3.00	20.14	6.93	2.57	13.7	3.131
	11/25/2019	14:02	3.25	19.41	6.08	2.23	39	3.308
	11/11/2021	9:00	1.75	18.30	7.42	4.58	-105.5	3.641
MW-34	11/15/2016	11:25	5.50	19.48	7.16	0.20	-17.7	2.798
	5/23/2017	10:31	5.75	19.67	6.93	0.55	-9.6	3.447
	11/14/2017	10:09	5.40	19.18	7.09	0.28	-6.4	3.312
	5/30/2018	12:45	5.50	21.75	7.04	0.95	-15.7	3.504
	11/6/2018	11:40	5.50	19.94	6.96	0.87	-32.9	3.435
	6/24/2019	9:37	5.50	19.92	6.79	0.47	-30.1	3.426
	11/20/2019	15:00	5.50	19.15	6.08	0.59	-52.2	3.549
	5/11/2021	14:17	5.00	20.28	7.13	2.12	5.2	3.533
	11811/21	12:25	5.00	19.30	7.33	1.47	-13.5	3.596
MW-35	11/15/2016	12:31	2.50	19.86	7.25	4.39	-21.7	3.037
	5/23/2017	11:15	7.50	19.25	7.04	2.88	-15.5	3.754
	11/14/2017	11:42	7.30	19.30	7.19	6.35	-10.4	3.672
	5/30/2018	13:41	7.25	19.70	7.12	5.86	-19.7	3.924
	11/6/2018	12:45	7.00	19.30	7.02	6.18	8.9	3.857
	11/21/2019	12:11	7.00	18.85	6.21	5.77	60.6	4.046
	11/11/2021	13:47	7.00	19.12	7.48	7.34	60.8	4.060
MW-37	11/15/2016	10:29	5.00	18.90	7.18	2.13	-18.6	2.917
	5/23/2017	9:42	5.00	19.09	6.95	3.44	-10.5	3.626
	11/14/2017	9:23	5.00	18.82	7.06	3.30	-5.4	3.515
	11/6/2018	10:50	5.00	19.13	6.97	4.52	79.3	3.693
	11/20/2019	13:47	4.75	18.79	6.82	5.44	61	3.872
	11/10/2021	13:05	4.50	19.27	7.22	1.8	45.2	3.885
MW-39	11/17/2016	10:54	10.00	18.83	7.07	5.33	-13.7	2.905
	6/16/2017	11:15	12.00	19.04	6.79	5.11	-10.7	3.662
	11/16/2017	11:05	9.25	18.76	7.01	5.22	-3.41	3.500
	6/4/2018	13:45	10.00	19.11	6.92	3.64	-9.4	3.716
	11/9/2018	15:55	10.00	18.60	6.91	2.79	121.0	3.695
	6/26/2019	11:16	10.25	19.03	6.67	4.64	101.3	3.715
	1/7/2020	11:45	10.00	18.65	6.99	2.65	136	3.619
	5/11/2021	15:45	9.50	18.98	7.06	6.97	95.6	3.789
	11/23/2021	12:52	10.00	18.87	7.24	3.10	30.8	3.841
MW-40	11/17/2016	9:05	8.00	18.72	7.02	3.99	-11.7	2.864
	6/16/2017	10:30	8.25	18.98	6.66	5.45	-4.1	3.636
	11/16/2017	8:45	7.75	18.65	6.93	4.23	0.0	3.465
	6/4/2018	10:45	8.00	19.06	7.03	6.58	-15.3	3.710
	11/9/2018	14:40	7.75	18.63	6.89	2.65	114.8	3.670
	6/25/2019	15:37	8.25	19.62	6.73	4.99	84.0	3.718
	1/8/2020	10:15	7.75	18.60	6.89	3.62	147.9	3.465

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Table 3-4. Summary of Historical Field Parameters
Transwestern Compressor Station No. 9 - Roswell, NM

Monitoring Well	Sample Date	Sample Time	Purge Volume Gallons	Temperature °C	pH Standard Units	Dissolved Oxygen mg/L	ORP mV	Conductivity mS/cm
MW-40	5/11/2021	14:53	7.50	18.98	7.02	5.14	71.1	3.799
	11/23/2021	11:24	7.50	18.41	7.40	3.24	11.6	3.371
MW-41	11/17/2016	10:20	6.50	19.25	7.19	6.37	-16.2	2.805
	11/16/2017	9:36	6.25	18.92	7.03	6.74	-4.1	3.396
	6/4/2018	13:02	6.50	19.72	6.99	7.03	-13.2	3.621
	11/9/2018	15:28	6.25	18.72	6.92	3.16	114.3	3.601
	6/25/2019	16:25	6.50	20.02	6.74	7.14	83.2	3.635
	1/8/2020	10:41	6.25	18.90	7.08	7.40	115.0	3.397
	5/11/2021	15:21	6.00	19.42	7.09	7.11	85.2	3.717
	11/23/2021	12:10	6.00	19.38	7.26	3.27	23.5	3.357
MW-42	11/17/2016	8:30	10.25	18.46	7.02	4.07	-11.2	2.892
	6/16/2017	10:35	10.00	18.62	6.55	5.11	1.2	3.672
	11/16/2017	10:18	10.00	18.49	6.99	4.22	-2.6	3.514
	6/4/2018	10:05	10.00	18.82	6.98	5.64	-12.8	3.745
	11/9/2018	14:18	9.75	18.28	6.92	2.72	114.9	3.710
	6/25/2019	10:56	10.50	19.05	6.78	4.12	105.7	3.738
	1/8/2020	9:50	10.00	18.51	6.88	4.90	121.0	3.615
	5/11/2021	11:58	9.50	18.74	7.04	4.82	92.6	3.814
	11/23/2021	10:36	10.00	18.75	7.25	2.23	-0.3	3.868
SVE-28	11/12/2018	10:35	3.03	--	--	--	--	--
	1/8/2020	14:22	3.00	19.72	6.73	2.35	-177.8	2.881
	5/11/2021	11:20	--	--	--	--	--	--
	11/15/2021	12:38	3.00	19.87	7.09	2.93	-97.6	3.413
SVE-30	11/12/2018	9:45	0.69	--	--	--	--	--
	1/8/2020	15:40	1.00	19.88	5.04	0.63	-255.5	5.842
	5/11/2021	10:50	--	--	--	--	--	--
	11/14/2021	11:20	Dry					
SVE-31	11/12/2018	10:15	1.39	--	--	--	--	--
	11/15/2021	13:31	1.25	19.70	7.14	2.33	-9.9	4.469
RW-1	11/12/2018	15:05	18.00	--	--	--	--	--
	6/26/2019	12:11	16.00	21.91	6.83	0.65	-329.2	3.439
	1/8/2020	15:22	28.00	20.38	6.92	0.82	-387.0	1.452
	5/11/2021	13:15	--	--	--	--	--	--
	11/15/2021	11:32	32.00	21.06	7.11	2.89	-156.00	3.280

Notes

mg/L - milligrams per liter
mV - millivolts
µs/cm - microsiemens per centimeter
-- No field parameters gathered
° C - Degrees Celsius
Note: Field parameters are only shown for wells sampled

Prepared by: SWS 12/7/2021
Checked by: JDD 3/14/2023

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Table 3-5. Summary of Groundwater Analytical Results
Transwestern Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,1-Dichloroethane	1,1-Dichloroethene	Vinyl Chloride
NMWQCC Human Health Standard		5	1,000	700	620	0.05	7	2
USEPA MCL		5	1,000	700	10,000	--	7	2
Tap Water Cancer (2022)		4.55	-	15	-	27.5	-	0.324
Tap Water Non-Cancer (2022)		33.20	1,090	800	-	3,740	284	44.3
Groundwater Cleanup Level (GCL)		5	1,000	700	620	0.05	7	2
MW-1B	05/24/17	**380**	< 20	< 20	**1,600**	NA	NA	NA
MW-10	02/13/20	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	09/10/20	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/23/20	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	05/11/21	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	11/14/21	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	05/14/22	<0.20	<0.20	<0.30	<0.30	NA	NA	NA
	11/20/22	Dry						
MW-11	02/13/20	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	09/10/20	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/23/20	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	05/11/21	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	11/14/21	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	05/14/22	<0.20	<0.20	<0.30	<0.30	NA	NA	NA
	11/20/22	Dry						
MW-12	05/24/17	**1,100**	**1,400**	150	**2,300**	NA	NA	NA
MW-13	03/11/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	09/24/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	01/02/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	10/19/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	11/18/13	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	12/01/14	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/05/15	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/17/16	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/16/17	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	11/06/18	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	01/08/20	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	11/23/20	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	11/14/21	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	11/20/22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-14	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	09/23/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	01/02/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	10/19/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	11/18/13	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	12/01/14	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/05/15	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/16/16	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/15/17	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	11/08/18	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	01/07/20	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/19/20	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	11/14/21	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	11/18/22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-16	10/21/12	**1,000**	< 50	270	**2,300**	NA	NA	NA
	04/17/13	**650**	< 50	210	**2,400**	NA	NA	NA
	11/18/13	**320**	50	210	**1,900**	NA	NA	NA
	05/04/14	**400**	< 10	310	**2,300**	NA	NA	NA
	12/02/14	**610**	16	180	**2,100**	NA	NA	NA
	04/24/15	**260**	11	230	**2,500**	NA	NA	NA
	11/05/15	**Not Sampled - PSH in well**						
	05/05/16*	**94**	< 10	120	**2,300**	NA	NA	NA
	11/16/16*	**90**	< 20	46	**1,700**	NA	NA	NA
	5/23/17*	**110**	< 10	66	**1,500**	NA	NA	NA
	11/15/17*	**87**	12	95	**1,500**	NA	NA	NA

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Table 3-5. Summary of Groundwater Analytical Results
Transwestern Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,1-Dichloroethane	1,1-Dichloroethene	Vinyl Chloride
NMWQCC Human Health Standard		5	1,000	700	620	0.05	7	2
USEPA MCL		5	1,000	700	10,000	--	7	2
Tap Water Cancer (2022)		4.55	-	15	-	27.5	-	0.324
Tap Water Non-Cancer (2022)		33.20	1,090	800	-	3,740	284	44.3
Groundwater Cleanup Level (GCL)		5	1,000	700	620	0.05	7	2
MW-16	5/31/2018*	**320**	< 10	220	**1,700**	NA	NA	NA
	11/08/18	**Not Sampled - PSH in well**						
	06/24/19	**Not Sampled - PSH in well**						
	01/06/20	**Not Sampled - PSH in well**						
	05/16/20	**Not Sampled - PSH in well**						
	11/09/20	**Not Sampled - PSH in well**						
	05/11/21	**Not Sampled - PSH in well**						
	05/11/22	**Not Sampled - PSH in well**						
	11/09/22	**Not Sampled - PSH in well**						
MW-17	02/13/20	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	09/09/20	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/19/20	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	05/11/21	<1.0	<1.0	<1.0	<2.0	NA	NA	NA
	11/13/21	<1.0	<1.0	<1.0	< 1.7	NA	NA	NA
	05/12/22	**7.2**	**11**	<1.5	<1.5	NA	NA	NA
	11/18/22	**Dry**						
MW-20	03/12/09	< 1.0	< 1.0	< 1.0	< 1.5	14	**35**	< 1.0
	10/07/09	2.8	< 1.0	< 1.0	< 1.5	7.2	**13**	< 1.0
	03/30/10	< 1.0	< 1.0	< 1.0	< 1.5	13	**28**	< 1.0
	09/24/10	< 1.0	< 1.0	< 1.0	< 1.5	4.6	**9.7**	< 1.0
	04/19/11	< 1.0	< 1.0	< 1.0	< 1.5	14	**22**	< 1.0
	01/03/12	< 1.0	< 1.0	< 1.0	< 1.5	5.1	**6.4**	< 1.0
	04/18/12	< 1.0	< 1.0	< 1.0	< 1.5	6.4	**8.6**	--
	10/19/12	< 1.0	< 1.0	< 1.0	< 1.5	2.9	**8.1**	--
	04/17/13	< 1.0	< 1.0	< 1.0	< 1.5	3.2	4.5	< 1.0
	11/18/13	< 1.0	< 1.0	< 1.0	< 1.5	1.8	1.6	< 1.0
	05/02/14	< 1.0	< 1.0	< 1.0	< 3.0	4.8	3.9	< 1.0
	12/01/14	< 1.0	< 1.0	< 1.0	< 3.0	8.0	**6.7**	< 1.0
	04/24/15	< 1.0	< 1.0	< 1.0	< 3.0	12.0	**8.0**	< 1.0
	11/05/15	< 1.0	< 1.0	< 1.0	< 3.0	16.0	**8.6**	< 1.0
	05/03/16	< 1.0	< 1.0	< 1.0	< 3.0	15.0	**5.6**	< 1.0
	11/16/16	< 1.0	< 1.0	< 1.0	< 1.5	12.0	**6.0**	< 1.0
	05/24/17	< 1.0	< 1.0	< 1.0	< 1.5	9.5	4.6	< 1.0
	11/15/17	< 1.0	< 1.0	< 1.0	< 1.5	5.5	**7.3**	< 1.0
	06/01/18	< 1.0	< 1.0	< 1.0	< 1.5	6.4	4.7	< 1.0
	11/09/18	< 1.0	< 1.0	< 1.0	< 1.5	5.6	**11**	< 1.0
	06/25/19	< 1.0	< 1.0	< 1.0	< 1.5	7.8	3.4	< 1.0
	01/06/20	< 1.0	< 1.0	< 1.0	< 1.5	7.4	2.5	< 1.0
	05/17/20	< 1.0	< 1.0	< 1.0	< 1.5	6.1	3.0	< 1.0
	11/20/20	<1.0	<1.0	<1.0	<1.5	5.9	3.0	<1.0
	05/11/21	<1.0	<1.0	<1.0	<1.5	5.0	2.4	<1.0
	11/22/21	<1.0	<1.0	<1.0	<1.5	5.2	2.2	<1.0
	05/12/22	<0.20	<0.20	<0.30	<0.30	<0.20	<0.20	<0.20
	11/20/22	<1.0	<1.0	<1.0	<1.0	3.2	1.6	<1.0
MW-21	03/11/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	09/23/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	01/03/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	10/25/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	11/18/13	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	12/01/14	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/05/15	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA

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Table 3-5. Summary of Groundwater Analytical Results
Transwestern Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,1-Dichloroethane	1,1-Dichloroethene	Vinyl Chloride
NMWQCC Human Health Standard		5	1,000	700	620	0.05	7	2
USEPA MCL		5	1,000	700	10,000	--	7	2
Tap Water Cancer (2022)		4.55	-	15	-	27.5	-	0.324
Tap Water Non-Cancer (2022)		33.20	1,090	800	-	3,740	284	44.3
Groundwater Cleanup Level (GCL)		5	1,000	700	620	0.05	7	2
MW-21	11/16/16	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/14/17	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	11/08/18	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	06/24/19	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	11/26/19	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	05/15/20	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	11/18/20	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	05/11/21	<1.0	<1.0	< 1.0	<1.5	NA	NA	NA
	11/12/21	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	05/12/22	1.2	<0.20	<0.30	<0.30	NA	NA	NA
	11/18/22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-22	03/12/09	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.2	< 1.0
	10/07/09	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	03/30/10	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.1	< 1.0
	09/23/10	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	04/19/11	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	1.6	< 1.0
	01/03/12	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	04/18/12	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.1	--
	10/21/12	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	--
	04/17/13	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	2.2	< 1.0
	11/18/13	< 2.0	< 2.0	< 2.0	< 3.0	< 2.0	< 2.0	< 2.0
	05/02/14	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	2.5	< 1.0
	12/02/14	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	1.5	< 1.0
	04/24/15	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	2.5	< 1.0
	11/05/15	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	2.2	< 1.0
	05/03/16	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	2.3	< 1.0
	11/16/16	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	2.6	< 1.0
	05/24/17	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	3.0	< 1.0
	11/15/17	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	2.6	< 1.0
	06/01/18	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.7	< 1.0
	11/09/18	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.8	< 1.0
	06/25/19	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	2.0	< 1.0
	01/06/20	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.1	< 1.0
	05/17/20	< 1.0	< 1.0	< 1.0	< 1.5	<1.0	2.4	<1.0
	11/20/20	< 1.0	< 1.0	< 1.0	< 1.5	<1.0	1.4	<1.0
	05/11/21	<1.0	<1.0	<1.0	<1.5	<1.0	1.5	<1.0
	11/22/21	<1.0	<1.0	<1.0	<1.5	<1.0	2.0	<1.0
	05/12/22	<0.20	<0.20	<0.30	<0.30	<0.20	<0.20	<0.20
	11/20/22	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	<1.0
MW-23D	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	09/26/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	01/03/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	10/21/12	1.6	8.1	2.8	10	NA	NA	NA
	12/14/12	< 1.0	1.4	< 1.0	< 2.0	NA	NA	NA
	01/21/13	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	04/16/13	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
MW-24D	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	09/26/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	01/03/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	10/21/12	< 1.0	2.1	1.0	3.5	NA	NA	NA
	12/14/12	**9.6**	17	4.9	14	NA	NA	NA
	01/21/13	< 1.0	< 1.0	3.3	6.0	NA	NA	NA
	04/16/13	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA

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Table 3-5. Summary of Groundwater Analytical Results
Transwestern Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,1-Dichloroethane	1,1-Dichloroethene	Vinyl Chloride
NMWQCC Human Health Standard		5	1,000	700	620	0.05	7	2
USEPA MCL		5	1,000	700	10,000	--	7	2
Tap Water Cancer (2022)		4.55	-	15	-	27.5	-	0.324
Tap Water Non-Cancer (2022)		33.20	1,090	800	-	3,740	284	44.3
Groundwater Cleanup Level (GCL)		5	1,000	700	620	0.05	7	2
MW-24D	11/18/13	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	11/26/14	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/06/15	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/17/16	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/16/17	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	11/06/18	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	01/07/20	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	11/30/20	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	11/22/21	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	11/21/22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-25D	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	09/26/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	01/03/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	10/21/12	< 1.0	1.2	< 1.0	2.2	NA	NA	NA
	12/14/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	01/21/13	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	04/17/13	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
MW-26	03/11/09	< 1.0	< 1.0	< 1.0	< 3.0	4.2	**43**	< 1.0
	10/07/09	< 1.0	< 1.0	< 1.0	< 1.5	5.5	**42**	< 1.0
	03/30/10	< 1.0	< 1.0	< 1.0	< 1.5	5.5	**60**	< 1.0
	09/24/10	< 1.0	< 1.0	< 1.0	< 1.5	6.2	**50**	< 1.0
	04/19/11	< 1.0	< 1.0	< 1.0	< 1.5	5.9	**60**	< 1.0
	01/03/12	< 1.0	< 1.0	< 1.0	< 1.5	7.8	**57**	< 1.0
	04/18/12	< 1.0	< 1.0	< 1.0	< 1.5	6.7	**53**	--
	10/19/12	< 1.0	< 1.0	< 1.0	< 1.5	5.6	**54**	--
	04/17/13	< 1.0	< 1.0	< 1.0	< 1.5	6.2	**53**	< 1.0
	11/15/13	< 1.0	< 1.0	< 1.0	< 1.5	6.0	**45**	< 1.0
	05/04/14	< 1.0	< 1.0	< 1.0	< 3.0	10.0	**65**	< 1.0
	12/01/14	< 1.0	< 1.0	< 1.0	< 3.0	7.6	**52**	< 1.0
	04/24/15	< 1.0	< 1.0	< 1.0	< 3.0	6.9	**50**	< 1.0
	11/05/15	< 1.0	< 1.0	< 1.0	< 3.0	11.0	**71**	< 1.0
	05/03/16	< 1.0	< 1.0	< 1.0	< 3.0	11.0	**63**	< 1.0
	11/16/16	< 1.0	< 1.0	< 1.0	< 1.5	11.0	**58**	< 1.0
	05/24/17	< 1.0	< 1.0	< 1.0	< 1.5	9.1	**58**	< 1.0
	11/15/17	< 1.0	< 1.0	< 1.0	< 1.5	8.3	**44**	< 1.0
	06/01/18	< 1.0	< 1.0	< 1.0	< 1.5	8.4	**46**	< 1.0
	11/09/18	< 1.0	< 1.0	< 1.0	< 1.5	9.3	**43**	< 1.0
	06/25/19	< 1.0	< 1.0	< 1.0	< 1.5	7.8	**42**	< 1.0
	01/06/20	< 1.0	< 1.0	< 1.0	< 1.5	9.1	**45**	< 1.0
	05/17/20	< 1.0	< 1.0	< 1.0	< 1.5	8.5	**45**	< 1.0
	11/20/20	< 1.0	< 1.0	< 1.0	< 1.5	8.8	**41**	< 1.0
	05/11/21	<1.0	<1.0	<1.0	<1.5	9.3	**42**	<1.0
	11/22/21	<1.0	<1.0	<1.0	<1.5	7.8	**35**	<1.0
	05/12/22	0.95J	<0.20	<0.30	<0.30	<0.20	<0.20	<0.20
	11/20/22	<1.0	<1.0	<1.0	<1.0	5.5	**31**	<1.0
MW-27	05/14/14	< 20.0	< 20.0	36	72	NA	NA	NA
	12/29/14	< 100	< 100	< 100	< 300	NA	NA	NA
	04/24/15*	< 10	< 10	< 10	< 30	NA	NA	NA
	11/05/15	< 10	< 10	19	54	NA	NA	NA
	05/02/16	< 10	< 10	< 10	< 30	NA	NA	NA
	11/15/16	< 5.0	< 5.0	< 5.0	< 7.5	NA	NA	NA
	05/23/17	< 5.0	< 5.0	< 5.0	< 7.5	NA	NA	NA
	11/14/17	**82**	< 25	< 25	91	NA	NA	NA

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Table 3-5. Summary of Groundwater Analytical Results
Transwestern Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,1-Dichloroethane	1,1-Dichloroethene	Vinyl Chloride
NMWQCC Human Health Standard		5	1,000	700	620	0.05	7	2
USEPA MCL		5	1,000	700	10,000	--	7	2
Tap Water Cancer (2022)		4.55	-	15	-	27.5	-	0.324
Tap Water Non-Cancer (2022)		33.20	1,090	800	-	3,740	284	44.3
Groundwater Cleanup Level (GCL)		5	1,000	700	620	0.05	7	2
MW-27	05/31/18	< 2.0	< 2.0	< 2.0	< 3.0	NA	NA	NA
	11/06/18	< 2.0	6.1	< 2.0	< 4.0	NA	NA	NA
	06/29/19	< 2.0	<2.0	< 2.0	< 3.0	NA	NA	NA
	11/26/19	< 2.0	< 2.0	< 2.0	< 3.0	NA	NA	NA
	05/14/20	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	11/16/20	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	05/11/21	<5.0	<5.0	<5.0	<7.5	NA	NA	NA
	11/11/21	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	05/11/22	3.0	2.4	1.8	1.3	NA	NA	NA
	11/18/22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-29	03/11/09	4.1	< 1.0	< 1.0	< 3.0	NA	NA	NA
	10/07/09	**8.4**	< 1.0	< 1.0	< 3.0	NA	NA	NA
	03/30/10	1.4	< 1.0	< 1.0	< 2.0	NA	NA	NA
	09/23/10	1.3	< 1.0	< 1.0	< 3.0	NA	NA	NA
	04/19/11	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	01/02/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	04/18/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	10/21/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	04/16/13	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	11/14/13	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	05/02/14	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	12/01/14	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	04/24/15	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/05/15	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	05/02/16	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/15/16	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	05/23/17	1.1	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/14/17	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	05/30/18	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/07/18	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	06/24/19	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	11/25/19	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	05/14/20	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	11/12/20	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	05/11/21	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	11/11/21	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	05/11/22	<0.20	<0.20	<0.30	<0.30	NA	NA	NA
	11/17/22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-32	03/11/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	03/30/10	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	09/23/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	04/19/11	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	01/02/12	1.8	< 1.0	< 1.0	< 2.0	NA	NA	NA
	04/18/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	10/19/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	04/16/13	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	11/14/13	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	05/02/14	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/25/14	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	04/24/15	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/05/15	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	04/29/16	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA

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Table 3-5. Summary of Groundwater Analytical Results
Transwestern Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,1-Dichloroethane	1,1-Dichloroethene	Vinyl Chloride
NMWQCC Human Health Standard		5	1,000	700	620	0.05	7	2
USEPA MCL		5	1,000	700	10,000	--	7	2
Tap Water Cancer (2022)		4.55	-	15	-	27.5	-	0.324
Tap Water Non-Cancer (2022)		33.20	1,090	800	-	3,740	284	44.3
Groundwater Cleanup Level (GCL)		5	1,000	700	620	0.05	7	2
MW-32	11/15/16	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	05/23/17	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/14/17	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	05/30/18	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/06/18	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	11/25/19	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/12/20	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/11/21	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/17/22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-34	03/11/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	03/30/10	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	09/23/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	04/19/11	**20**	< 1.0	< 1.0	< 2.0	NA	NA	NA
	01/02/12	**210**	< 1.0	< 1.0	< 2.0	NA	NA	NA
	04/18/12	**210**	< 1.0	< 1.0	< 2.0	NA	NA	NA
	10/19/12	**140**	< 1.0	< 1.0	< 2.0	NA	NA	NA
	04/16/13	**60**	< 1.0	< 1.0	< 2.0	NA	NA	NA
	11/14/13	**7.2**	< 1.0	< 1.0	< 2.0	NA	NA	NA
	05/02/14	**5.0**	< 1.0	< 1.0	< 3.0	NA	NA	NA
	12/01/14	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	04/24/15	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/05/15	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	04/27/16	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/15/16	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	05/23/17	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/14/17	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	05/30/18	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/06/18	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	06/24/19	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	11/20/19	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	05/14/20	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	11/12/20	< 1.0	< 1.0	< 1.0	<1.5	NA	NA	NA
	05/11/21	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	11/11/21	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	05/11/22	<0.20	<0.20	<0.30	<0.30	NA	NA	NA
	11/17/22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-35	03/11/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	10/07/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	03/30/10	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	09/23/10	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	04/19/11	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	01/02/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	04/18/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	10/21/12	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	04/16/13	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	11/14/13	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	05/02/14	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/25/14	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	04/24/15	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/05/15	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	04/29/16	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/15/16	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA

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Table 3-5. Summary of Groundwater Analytical Results
Transwestern Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,1-Dichloroethane	1,1-Dichloroethene	Vinyl Chloride
NMWQCC Human Health Standard		5	1,000	700	620	0.05	7	2
USEPA MCL		5	1,000	700	10,000	--	7	2
Tap Water Cancer (2022)		4.55	-	15	-	27.5	-	0.324
Tap Water Non-Cancer (2022)		33.20	1,090	800	-	3,740	284	44.3
Groundwater Cleanup Level (GCL)		5	1,000	700	620	0.05	7	2
MW-35	05/23/17	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/14/17	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	11/06/18	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	11/21/19	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/12/20	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/11/21	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/17/22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-37	03/11/09	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/14/13	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	05/02/14	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/25/14	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	04/24/15	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/05/15	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	04/27/16	< 1.0	< 1.0	< 1.0	< 3.0	NA	NA	NA
	11/15/16	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	05/23/17	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/14/17	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	05/30/18	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/06/18	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA
	11/20/19	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/12/20	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/10/21	< 1.0	< 1.0	< 1.0	< 1.5	NA	NA	NA
	11/17/22	< 1.0	< 1.0	< 1.0	<1.0	<1.0	<1.0	<1.0
MW-39	08/16/13	2.8	< 1.0	< 1.0	< 1.5	2.0	**19**	--
	11/15/13	< 1.0	< 1.0	< 1.0	< 1.5	1.6	**15**	< 1.0
	12/01/14	< 1.0	< 1.0	< 1.0	< 3.0	3.0	**27**	
	04/24/15	< 1.0	< 1.0	< 1.0	< 3.0	2.5	**22**	< 1.0
	11/06/15	< 1.0	< 1.0	< 1.0	< 3.0	3.1	**27**	< 1.0
	05/03/16	< 1.0	< 1.0	< 1.0	< 3.0	2.9	**24**	< 1.0
	11/17/16	< 1.0	< 1.0	< 1.0	< 1.5	3.1	**22**	< 1.0
	06/16/17	< 1.0	< 1.0	< 1.0	< 1.5	3.3	**29**	< 1.0
	11/16/17	< 1.0	< 1.0	< 1.0	< 1.5	3.8	**31**	< 1.0
	06/04/18	< 1.0	< 1.0	< 1.0	< 1.5	3.3	**23**	< 1.0
	11/06/18	< 1.0	< 1.0	< 1.0	< 1.5	3.8	**25**	< 1.0
	06/26/19	< 1.0	< 1.0	< 1.0	< 1.5	3.1	**18**	< 1.0
	01/07/20	< 1.0	< 1.0	< 1.0	< 1.5	3.7	**24**	< 1.0
	05/17/20	< 1.0	< 1.0	< 1.0	< 1.5	3.1	**19**	< 1.0
	11/30/20	< 1.0	< 1.0	< 1.0	< 1.5	3.7	**22**	< 1.0
	05/11/21	<1.0	<1.0	<1.0	<1.5	3.6	**24**	<1.0
	11/23/21	<1.0	<1.0	<1.0	<1.5	3.4	**19**	<1.0
	05/14/22	<0.20	<0.20	<0.30	<0.30	<0.20	<0.20	<0.20
	11/20/22	<1.0	<1.0	<1.0	<1.0	2.9	**19**	<1.0
MW-40	08/16/13	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	--
	11/15/13	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	11/25/14	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	< 1.0	< 1.0
	04/24/15	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	< 1.0	< 1.0
	11/06/15	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	< 1.0	< 1.0
	05/03/16	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	< 1.0	< 1.0
	11/17/16	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	06/16/17	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	11/16/17	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	06/04/18	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	11/09/18	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0

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Table 3-5. Summary of Groundwater Analytical Results
Transwestern Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,1-Dichloroethane	1,1-Dichloroethene	Vinyl Chloride
NMWQCC Human Health Standard		5	1,000	700	620	0.05	7	2
USEPA MCL		5	1,000	700	10,000	--	7	2
Tap Water Cancer (2022)		4.55	-	15	-	27.5	-	0.324
Tap Water Non-Cancer (2022)		33.20	1,090	800	-	3,740	284	44.3
Groundwater Cleanup Level (GCL)		5	1,000	700	620	0.05	7	2
MW-40	06/25/19	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	01/08/20	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	05/17/20	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	11/30/20	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	05/11/21	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0
	11/23/21	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0
	05/13/22	<0.20	<0.20	<0.30	<0.30	<0.20	<0.20	<0.20
	11/21/22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-41	08/16/13	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.1	<1.0
	11/15/13	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	11/24/14	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	1.1	< 1.0
	05/19/15	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	< 1.0	< 1.0
	11/06/15	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	1.4	< 1.0
	05/03/16	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	1.4	< 1.0
	11/17/16	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.2	< 1.0
	06/16/17	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.2	< 1.0
	11/16/17	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.3	< 1.0
	06/04/18	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.2	< 1.0
	11/09/18	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.2	< 1.0
	06/25/19	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.1	< 1.0
	01/08/20	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.1	< 1.0
	05/17/20	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.2	< 1.0
	11/30/20	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.1	< 1.0
	05/11/21	<1.0	<1.0	<1.0	<1.5	<1.0	1.2	<1.0
	11/23/21	<1.0	<1.0	<1.0	<1.5	<1.0	1.2	<1.0
	05/13/22	<0.20	<0.20	<0.30	<0.30	<0.20	<0.20	<0.20
	11/21/22	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0
MW-42	08/16/13	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	--
	11/15/13	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	11/25/14	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	< 1.0	< 1.0
	05/19/15	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	< 1.0	< 1.0
	11/06/15	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	< 1.0	< 1.0
	05/03/16	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	< 1.0	< 1.0
	11/17/16	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	06/16/17	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	11/16/17	< 1.0	< 1.0	< 1.0	< 1.5	<1.0	1.1	< 1.0
	06/04/18	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	11/09/18	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	< 1.0	< 1.0
	06/25/19	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.0	< 1.0
	01/08/20	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.4	< 1.0
	05/17/20	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.5	< 1.0
	11/30/20	< 1.0	< 1.0	< 1.0	< 1.5	< 1.0	1.9	< 1.0
	05/11/21	<1.0	<1.0	<1.0	<1.5	<1.0	2.2	<1.0
	11/23/21	<1.0	<1.0	<1.0	<1.5	<1.0	2.2	<1.0
	05/13/22	<0.20	<0.20	<0.30	<0.30	<0.20	<0.20	<0.20
	11/21/22	<1.0	<1.0	<1.0	<1.0	<1.0	3.2	<1.0
MPE-13	05/14/14*	**5.2**	< 2.0	10	35	NA	NA	NA
	05/05/16	**770**	240	70	**740**	NA	NA	NA
	11/17/16	1.3	< 2.0	< 2.0	< 3.0	NA	NA	NA
	05/24/17	< 5.0	< 5.0	< 5.0	< 7.5	NA	NA	NA
MPE-27	11/16/16	**760**	650	60	460	NA	NA	NA
	11/16/17*	**3,900**	**7,400**	390	**3,400**	NA	NA	NA
	6/4/2018*	**4,400**	**9,400**	510	**4,100**	NA	NA	NA

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Table 3-5. Summary of Groundwater Analytical Results
Transwestern Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,1-Dichloroethane	1,1-Dichloroethene	Vinyl Chloride
NMWQCC Human Health Standard		5	1,000	700	620	0.05	7	2
USEPA MCL		5	1,000	700	10,000	--	7	2
Tap Water Cancer (2022)		4.55	-	15	-	27.5	-	0.324
Tap Water Non-Cancer (2022)		33.20	1,090	800	-	3,740	284	44.3
Groundwater Cleanup Level (GCL)		5	1,000	700	620	0.05	7	2
MPE-31	05/14/14*	**130**	< 20.0	370	460	NA	NA	NA
	12/29/14	< 100	150	< 100	< 300	NA	NA	NA
	04/24/15*	**260**	46	200	440	NA	NA	NA
	11/06/15	**120**	15	230	340	NA	NA	NA
	05/05/16*	**140**	16	250	400	NA	NA	NA
	11/16/16	**7.8**	11	< 2.0	28	NA	NA	NA
MPE-39	12/29/14	**4,700**	**1,400**	240	**1,900**	NA	NA	NA
	04/24/15	**3,300**	**3,300**	430	**2,700**	NA	NA	NA
	11/06/15	**1,800**	**4,500**	280	**2,900**	NA	NA	NA
	05/05/16	**620**	570	70	**1,500**	NA	NA	NA
	11/17/16*	**160**	130	< 20	160	NA	NA	NA
	6/16/17*	**2,600**	**1,500**	120	**1,100**	NA	NA	NA
	6/4/2018*	**1,600**	**1,300**	90	**1,300**	NA	NA	NA
SVE-28	11/12/18	**14**	<1.0	<1.0	<1.5	NA	NA	NA
	06/26/19	1.5	<1.0	<1.0	<1.5	2.2	<1.0	<1.0
	01/08/20	1.5	<1.0	<1.0	<1.5	2.2	<1.0	<1.0
	11/23/20	1.3	<1.0	<1.0	<1.5	1.3	<1.0	<1.0
	05/11/21	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0
	11/15/21	**4.0**	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0
	05/14/22	**2.7**	<0.20	<0.30	<0.30	<0.20	<0.20	<0.20
	11/20/22	**3.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
SVE-30	11/12/18	**15**	<5.0	41	<7.5	NA	NA	NA
	06/26/19	**10**	<5.0	24	<7.5	**30**	<5.0	<5.0
	01/08/20	**8.9**	<5.0	29	<7.5	**32**	<5.0	<5.0
	09/10/20	**8.6**	<5.0	20	<7.5	**25**	<5.0	<5.0
	11/23/20	**5.7**	<1.0	8	<1.5	**33**	NA	NA
	05/11/21	**6.4**	<1.0	3.5	<1.5	**37**	<1.0	<1.0
	11/14/21	<5.0	<5.0	<5.0	<1.5	**35**	<5.0	<5.0
	05/14/22	**6.5**	2.4	5.2	12	<0.20	<0.20	<0.20
	11/20/22	Dry						
SVE-31	11/12/18	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	11/23/20	<1.0	<1.0	<1.0	<1.5	NA	NA	NA
	05/11/21	dry						
	11/15/21	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0
	05/14/22	Dry						
	11/08/22	Dry						
RW-1	11/12/18	**32**	<1.0	1.4	<1.5	NA	NA	NA
	06/26/19	**51**	<1.0	1.4	<1.5	12	<1.0	<1.0
	01/08/20	**26**	<1.0	1.5	<1.5	4.3	<1.0	<1.0
	09/10/20	**25**	<1.0	6.2	<1.5	3.1	<1.0	<1.0
	11/23/20	**38**	<1.0	13	7.9	3.5	<1.0	<1.0
	05/11/21	**46**	<5.0	10	<7.5	5.6	<5.0	<5.0
	11/15/21	**17**	<1.0	3.8	<1.5	2.1	<1.0	<1.0
	05/14/22	**9.9**	<0.20	1.8	<0.30	<0.20	<0.20	<0.20
	11/20/22	**Not Sampled - PSH in well**						

Notes:

Bold indicates that the analytical result exceeds the applicable regulatory limits.

* - Phase separated hydrocarbons (PSH) present in well. Sample collected below PSH.

-- Data not available.

Only constituents detected in one or more groundwater samples are shown in this table

All results reported above the applicable standard are shown in bold type

Prepared by: SWS 12/12/2022
Checked by: JDD 3/14/2023

March 2023
Project No. 02.20180005.00

Released to Imaging: 6/7/2024 10:32:31 AM

Table 3-5. Summary of Groundwater Analytical Results
Transwestern Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,1-Dichloroethane	1,1-Dichloroethene	Vinyl Chloride
NMWQCC Human Health Standard		5	1,000	700	620	0.05	7	2
USEPA MCL		5	1,000	700	10,000	--	7	2
Tap Water Cancer (2022)		4.55	-	15	-	27.5	-	0.324
Tap Water Non-Cancer (2022)		33.20	1,090	800	-	3,740	284	44.3
Groundwater Cleanup Level (GCL)		5	1,000	700	620	0.05	7	2

[a] Analyte present in method blank

[b] Total Naphthalene = Naphthalene + 1-Methylnapthalene + 2-Methylnapthalene

Historical data before 2009 is presented in previous reports

Results reported in micrograms per liter (µg/L)

NA - Not analyzed; constituent is not part of the sampling plan

NMWQCC - New Mexico Water Quality Control Commission

NMWQCC Human Health Standards - from New Mexico Administrative Code (NMAC) 20.6.2, Part A, Human Health Standards. Used as GCL for target cleanup if lower than the MCL.

USEPA MCL - United States Environmental Protection Agency's Maximum Concentration Limit. Used as GCL for target cleanup if lower than the NMWQCC Human Health Standard.

Tap Water (2022) - From Table A-1 for the 2022 NMED Risk Assessment Guidance for Site Investigation and Remediation. Used as GCL for target cleanup if WQCC standard nor MCL has been established.

Received by OCD: 4/3/2023 5:38:51 AM

Table 3-5a. Summary of Groundwater Analytical Results - Other Constituents Detected
Transwestern Compressor Station No. 9 - Roswell, NM

Well	Sampling Date	Chloroethane	Isopropyl benzene	n-Propylbenzene	1,2,4-Trichlorobenzene	Naphthalene	cis-1,2-Dichloroethene	Acetone	1,4-Dioxane
NMWQCC Human Health Standard		--	700	--	1	-	70	--	-
USEPA MCL		--	--	--	70	--	70	--	--
Tap Water Cancer (2022)		-	-	-	11.50	1.17	-	-	4.59
Tap Water Non-Cancer (2022)		20,900	447	-	3.98	6.11	36.5	14,100	56.70
Groundwater Cleanup Level (GCL)		20,900	700	-	1	1.17	36.5	14,100	4.59
MW-13	11/20/2022	<1.0	<1.0	<1.0	<1.0	<0.0833	<1.0	<2.0	<0.833
MW-14	11/18/2022	<1.0	<1.0	<1.0	<1.0	<0.0833	<1.0	<2.0	<0.833
MW-20	05/17/20	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	11/20/20	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	05/11/21	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	11/22/21	<2.0	<1.0	<1.0	<1.0	<0.10	<1.0	<10	<1.0
	05/12/22	<0.30	<0.30	-	<0.50	<0.020	<0.20	<2.0	<0.057
	11/20/22	<1.0	<1.0	<1.0	<1.0	<0.0833	<1.0	<2.0	<0.833
MW-21	11/18/22	<1.0	<1.0	<1.0	<1.0	<0.0833	<1.0	<2.0	<0.833
MW-22	05/17/20	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	11/20/20	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	05/11/21	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	11/22/21	<2.0	<1.0	<1.0	<1.0	<0.10	<1.0	<10	<1.0
	05/12/22	<0.30	<0.30	-	<0.50	<0.020	<0.20	<2.0	0.99
	11/20/22	<1.0	<1.0	<1.0	<1.0	<0.0833	<1.0	<2.0	<0.833
MW-24D	11/21/22	<1.0	<1.0	<1.0	<1.0	<0.0833	<1.0	<2.0	<0.833
MW-26	05/17/20	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	11/20/20	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	05/11/21	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	11/22/21	<2.0	<1.0	<1.0	<1.0	<0.10	<1.0	<10	<1.0
	05/12/22	<0.30	<0.30	-	<0.50	<0.020	<0.20	<2.0	<0.057
	11/20/22	<1.0	<1.0	<1.0	<1.0	<0.0833	<1.0	<2.0	<0.833
MW-27	11/18/22	<1.0	<1.0	<1.0	<1.0	<0.0833	<1.0	<2.0	<0.833
MW-29	11/17/22	<1.0	<1.0	<1.0	<1.0	<0.0833	<1.0	<2.0	**7.35**
MW-32	11/17/22	<1.0	<1.0	<1.0	<1.0	<0.0833	<1.0	<2.0	2.76
MW-34	11/17/22	<1.0	<1.0	<1.0	<1.0	<0.0833	<1.0	<2.0	**5.84**
MW-35	11/17/22	<1.0	<1.0	<1.0	<1.0	<0.0833	<1.0	<2.0	<0.833
MW-37	11/17/22	<1.0	<1.0	<1.0	<1.0	<0.0833	<1.0	<2.0	<0.833
MW-39	05/17/20	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	11/30/20	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	05/11/21	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	11/23/21	<2.0	<1.0	<1.0	<1.0	<0.10	<1.0	<10	<1.0
	05/14/22	<0.30	<0.30	-	<0.50	<0.020	<0.20	<2.0	<0.057
	11/20/22	<1.0	<1.0	<1.0	<1.0	<0.10	<1.0	<2.0	<1.0
MW-40	05/17/20	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	11/30/20	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	05/11/21	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	11/23/21	<2.0	<1.0	<1.0	<1.0	<0.10	<1.0	<10	<1.0
	11/21/22	<1.0	<1.0	<1.0	<1.0	<0.0833	<1.0	<2.0	<0.833
MW-41	05/17/20	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	11/30/20	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	05/11/21	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	11/23/21	<2.0	<1.0	<1.0	<1.0	<0.10	<1.0	<10	<1.0
	11/21/22	<1.0	<1.0	<1.0	<1.0	<0.0833	<1.0	<2.0	<0.833
MW-42	05/17/20	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	11/30/20	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	05/11/21	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<1.0
	11/23/21	<2.0	<1.0	<1.0	<1.0	<0.10	<1.0	<10	<1.0
	05/13/22	<0.30	<0.30	-	<0.50	<0.020	<0.20	<2.0	<0.057
	11/21/22	<1.0	<1.0	<1.0	<1.0	<0.0870	<1.0	<2.0	<0.870
SVE-28	09/10/20	NA	NA	NA	NA	NA	NA	NA	<1.0
	05/11/21	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	14	<10
	11/15/21	<2.0	<1.0	<1.0	<1.0	<0.10	<1.0	<10	<1.0
	05/14/22	<0.30	<0.30	-	<0.50	0.029J	<0.20	<2.0	0.27
	11/20/22	<1.0	<1.0	<1.0	<1.0	<0.0870	<1.0	2.8	<0.870
SVE-30	09/10/20	**10**	**6**	**2**	<1.0	**6.0**	**1.0**	<50	**5.9**
	11/23/20	**4**	**4.1**	**3.1**	**3.3**	<2.0	<1.0	<10	**6**
	05/11/21	**3.3**	**2.4**	**1.8**	**3.2**	<2.0	<1.0	<10	<10
	11/14/21	<10	<5.0	<5.0	<5.0	<0.1	<5.0	<50	4.2
	05/14/22	<0.30	<0.30	-	<0.50	0.23	<0.20	<2.0	2.5
SVE-31	11/15/21	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<10	-
RW-1	09/10/20	<2.0	**3**	<5.0	<5.0	<10	<5.0	<10	<1.0
	11/23/20	<2.0	**3.9**	**3.2**	<1.0	**4.0**	**3.6**	<10	<25
	05/11/21	<10	<5.0	<5.0	<5.0	<10	**6**	<50	<50
	11/15/21	<2.0	<1.0	<1.0	<1.0	**0.5**	**1.7**	<10	<1.0
	05/14/22	<0.30	<0.30	-	<0.50	**0.4**	<0.20	<2.0	0.058J

Notes:

Results only shown for other detected constituents in wells. All other constiutents for wells not shown are below laboratory detection limits.
-- data not available or established
Results reported in micrograms per liter (µg/L)

Prepared by: SWS 12/12/2022
Checked by: JDD 3/14/2023

NMWQCC - New Mexico Water Quality Control Commission Standard
NMWQCC Human Health Standards - from New Mexico Administrative Code (NMAC) 20.6.2, Part A, Human Health Standards. Used as GCL for target cleanup if lower than the MCL.
USEPA MCL - United States Environmental Protection Agency's Maximum Concentration Limit. Used as GCL for target cleanup if lower than the NMWQCC Human Health Standard.
Tap Water (2022) - From Table A-1 for the 2022 NMED Risk Assessment Guidance for Site Investigation and Remediation. Used as GCL for target cleanup if WQCC standard nor MCL has been established.

Bold	indicates that the analytical result exceeds the applicable regulatory limits.
Bold	indicates that the analytical result exceeds the detection limit
<25	indicates that the limit of quantitation (LOQ) value is higher than the applicable GCLs

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Table 3-6. Summary of Well Completion Details
Transwestern Compressor Station No. 9 - Roswell, NM

Well	Date of Completion	Total Depth of Boring (ft bgs)	Measured Depth of Well (ft from TOC)	Surface Completion Type	Casing Diameter (in.)	Screen Interval (ft bgs)	Top of Sand Pack (ft bgs)
MW-1B	04/21/93	65.5	64.65	Flush Mount	2	55-65	53
MW-2	04/21/93	65	61.61	Flush Mount	2	55-65	53
MW-3	04/26/93	72.5	na	Flush Mount	2	60-70	58
MW-5	04/28/93	70	69.35	Flush Mount	2	60-70	58
RW-1	06/13/93	42.5	41.47	Flush Mount	4	36.8 - 41.7	34.75
MW-6	12/01/94	79	na	Flush Mount	2	59.9-74.9	57.1
MW-7	08/22/95	70.5	na	Flush Mount	2	50-70	48.1
MW-8	08/16/95	76.8	73.80	Flush Mount	2	59-74	57.2
MW-9	08/18/95	70	69.75	Flush Mount	2	50-70	47.9
MW-10	09/10/96	74.5	72.15	Flush Mount	2	57-72	55.3
MW-11	09/16/96	72	68.30	Flush Mount	2	54-69	51.5
MW-12	09/11/96	64	na	Flush Mount	2	44-64	42
MW-13	09/13/96	72	na	Flush Mount	2	57-72	55
MW-14	09/10/96	64.5	na	Flush Mount	2	49.5-64.5	48
MW-15	09/20/96	68.5	na	Flush Mount	2	38.5-68.5	37
MW-16	09/19/96	71.4	71.46	Flush Mount	2	46.4-71.4	45.5
MW-17	09/21/96	70	na	Flush Mount	2	53-68	50.9
MW-18	09/25/96	71	na	Flush Mount	2	54-69	51.6
MW-19	09/26/96	69.5	na	Flush Mount	2	54.5-69.5	51
MW-20	08/04/97	64	na	Flush Mount	2	46.8-61.8	43.9
MW-21	08/06/97	75	na	Flush Mount	2	54-74	51.7
MW-22	08/04/97	68	na	Flush Mount	2	50-65	49
MW-26	09/01/98	65	na	Flush Mount	2	43-63	41
MW-27	09/02/98	75	na	Flush Mount	2	55-75	53
MW-28	11/14/00	75	74.81	Flush Mount	2	60-75	58
MW-29	11/18/00	75	74.45	Flush Mount	2	60-75	58
MW-30	11/16/00	75	74.70	Flush Mount	2	60-75	58
MW-31	09/21/01	75	74.55	Flush Mount	2	60-75	58
MW-32	09/23/01	75	74.20	Flush Mount	2	60-75	58
MW-33	09/22/01	75	74.60	Flush Mount	2	60-75	58
MW-34	01/06/03	79	75.75	Flush Mount	2	49-79	46
MW-35	01/07/03	79	76.71	Flush Mount	2	49-79	46
MW-36	09/29/03	75	74.35	Flush Mount	2	55-75	53
MW-37	09/29/03	70	69.61	Flush Mount	2	50-70	48
MW-38	09/30/03	68	67.76	Flush Mount	2	48-68	46
MW-39	08/06/13	70	70.00	Flush Mount	2	50-70	48
MW-40	08/05/13	70	70.25	Flush Mount	2	50-70	48
MW-41	08/05/13	70	70.20	Flush Mount	2	50-70	48
MW-42	08/06/13	75	75.93	Flush Mount	2	55-75	51
MW-23D	07/29/97	194	na	Flush Mount	4	167-187	164
MW-24D	09/10/98	180	na	Flush Mount	4	146-176	143
MW-25D	09/09/98	150	na	Flush Mount	4	119-149	117
SVE-1A	09/21/96	30	29.65	Flush Mount	2	20-30	19
SVE-2A	09/20/96	30	29.83	Flush Mount	2	20-30	17.5
SVE-3	09/16/96	62.3	61.90	Flush Mount	2	32.0-62.3	29.5
SVE-22	11/07/02	35	33.20	Flush Mount	2	25-35	23

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Table 3-6. Summary of Well Completion Details
Transwestern Compressor Station No. 9 - Roswell, NM

Well	Date of Completion	Total Depth of Boring (ft bgs)	Measured Depth of Well (ft from TOC)	Surface Completion Type	Casing Diameter (in.)	Screen Interval (ft bgs)	Top of Sand Pack (ft bgs)
SVE-23	11/07/02	39	36.70	Flush Mount	2	25-35	22
SVE-24	11/13/02	30	28.85	Flush Mount	2	20-30	18
SVE-25	11/04/02	34	32.85	Flush Mount	2	24-34	21.6
SVE-26	11/05/02	35	32.45	Flush Mount	2	24-34	22
SVE-27	11/01/02	35	33.90	Flush Mount	2	20-35	18
SVE-28	10/29/02	35	36.00	Flush Mount	2	25-35	23
SVE-30	10/25/02	45	44.00	Flush Mount	2	20-45	18
SVE-31	10/28/02	35	33.95	Flush Mount	2	25-35	23
MPE-1	12/06/02	79	75.60	Flush Mount	4	54-74	49
MPE-2	12/24/02	79	71.75	Flush Mount	4	54-79	51
MPE-3	12/21/02	79	75.95	Flush Mount	4	54-79	51
MPE-4	12/19/12	79	78.30	Flush Mount	4	54-79	51
MPE-5	12/16/02	79	77.70	Flush Mount	4	59-79	56
MPE-6	12/17/02	79	75.00	Flush Mount	4	54-79	51
MPE-7	12/13/02	79	78.41	Flush Mount	4	54-74	51
MPE-8	12/14/02	79	77.55	Flush Mount	4	59-79	50
MPE-9	12/18/02	79	73.60	Flush Mount	4	54-74	51
MPE-10	12/09/02	79	75.30	Flush Mount	4	54-74	50
MPE-11	12/07/02	79	79.05	Flush Mount	4	54-74	50
MPE-12	12/06/02	79	75.40	Flush Mount	4	54-74	51
MPE-13	12/03/02	79	77.60	Flush Mount	4	54-74	50.7
MPE-14	11/25/02	79	76.80	Flush Mount	4	54-74	51
MPE-15	11/22/02	79	79.25	Flush Mount	4	59-74	54
MPE-16	11/27/02	79	78.20	Flush Mount	4	54-74	49
MPE-17	11/20/02	75	76.10	Flush Mount	4	55-70	49
MPE-18	11/21/02	79	78.68	Flush Mount	4	58-73	55
MPE-19	11/26/02	79	74.12	Flush Mount	4	49-74	46
MPE-20	11/20/02	78	77.60	Flush Mount	4	48-73	42
MPE-21	11/19/02	69	68.90	Flush Mount	4	44-64	41.9
MPE-22	11/07/02	80	77.52	Flush Mount	4	55-80	52
MPE-23	11/06/02	80	78.41	Flush Mount	4	55-80	52
MPE-24	11/13/02	74	73.77	Flush Mount	4	49-74	46
MPE-25	11/04/02	80	77.45	Flush Mount	4	54-79	51
MPE-26	11/06/02	84	77.35	Flush Mount	4	54-84	49
MPE-27	10/31/02	79	79.40	Flush Mount	4	54-79	48
MPE-28	10/31/02	82	77.67	Flush Mount	4	46-76	43
MPE-29	11/02/02	79	78.35	Flush Mount	4	54-79	51
MPE-30	10/25/02	80	77.96	Flush Mount	4	59-79	56
MPE-31	10/28/02	80	78.80	Flush Mount	4	59-79	58
MPE-32	11/19/02	79	78.30	Flush Mount	4	44-74	39.2
MPE-33	11/18/02	79	78.00	Flush Mount	4	44-79	41.6
MPE-34	10/24/02	80	77.52	Flush Mount	4	59-79	56
MPE-35	11/15/02	79	79.21	Flush Mount	4	54-74	51
MPE-36	11/14/02	74	71.31	Flush Mount	4	44-74	41
MPE-37	11/15/02	74	73.60	Flush Mount	4	44-74	41
MPE-38	08/07/13	75	75.00	Flush Mount	4	55-75	53

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Table 3-6. Summary of Well Completion Details
Transwestern Compressor Station No. 9 - Roswell, NM

Well	Date of Completion	Total Depth of Boring (ft bgs)	Measured Depth of Well (ft from TOC)	Surface Completion Type	Casing Diameter (in.)	Screen Interval (ft bgs)	Top of Sand Pack (ft bgs)
MPE-39	08/08/13	75	74.30	Flush Mount	4	55-75	53
MPE-40	08/08/13	75	72.60	Flush Mount	4	55-75	53
MPE-41	08/07/13	75	74.95	Flush Mount	4	55-75	53

Note:
Light blue denote well plugged and abandoned (P&A) in August 2013
ft bgs - feet below ground surface
TOC - top of casing
in. - inches
na - not applicable
Pipeline through Circuit A is buried at a depth of approximately 5 feet and backfilled with native materials.

Prepared by: SWS 7/7/2021
Checked by: HRB 1/5/2022

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Table 4-1. SVE System Mass Removal Calculations for
Total Volatile Organic Compounds
Transwestern Compressor Station No. 9 - Roswell, NM

	West Thermal Oxidizer Unit				East Thermal Oxidizer Unit				Total				
Date	Total VOC (ug/m^3)	Flow Rate Q(scfm)	Mass Removal Rate M(lb/hr)	Mass Removal Rate M(tons/yr)	Total VOC Conc (ug/m^3)	Flow Rate Q(scfm)	Mass Removal Rate M(lb/hr)	Mass Removal Rate M(tons/yr)	Flow Rate Q(scfm)	Mass Removal Rate M(lb/hr)	Mass Removal Rate M(tons/yr)	Approximate 2022 Mass Removal Rate (gal/yr)	Approximate 2022 Mass Removal Rate (lbs/yr)
03/09/22	287570	160	0.17	0.755	NA	NA	NA	NA	160	0.2	0.75	238	1,510
07/14/22	220811	160	0.13	0.580	NA	NA	NA	NA	160	0.1	0.58	183	1,159
09/07/22	274733	160	0.16	0.721	NA	NA	NA	NA	160	0.2	0.72	228	1,442
01/16/23	90424	160	0.05	0.237	NA	NA	NA	NA	160	0.1	0.24	75	475
										General Average:	0.57	181	1,147
										Total Potential Criteria Pollutant Emissions*	0.51	161	1,023

*Actual Average at 89% Runtime

Notes:

1) Specific gravity of VOC is 0.76 based on Fingerprinting Analytical performed by Core Laboratories in October 2012.

VOC = Volatile Organic Compounds
TPY = Tons per year
ug/m^3 = micrograms per cubic meter
scfm = standard cubic feet per minute
lb/hr = pound per hour
gal/yr = gallons per year
NA - Not applicable due to unit not in operation

Prepared by: SWS 2/1/2023
Checked by: JDD 3/16/2023

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Table 4-2. Summary of Treated Water Irrigation Rates
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Time	Inspector	Meter Reading (gallons)	Irrigated Volume (gallons)	Cummulative Irrigated Volume (gallons)	Elapsed Time (days)	Cummulative Elapsed Time (days)	Average Recovery Rate (GPD)	Average Recovery Rate (GPM)	Year Total (gallons)
12/31/03										**2003-2008**
11/18/08					1,241,140					1,241,140
05/01/09	1200	CB	964,480	15,180	15,180	164.0	164	93	0.06	
06/04/09	1200	CB	1,030,720	66,240	81,420	34.0	198	1,948	1.35	
07/04/09	1200	CB	1,074,550	43,830	125,250	30.0	228	1,461	1.01	
08/04/09	1200	CB	1,112,060	37,510	162,760	31.0	259	1,210	0.84	
09/01/09	1200	CB	1,158,960	46,900	209,660	28.0	287	1,675	1.16	
10/06/09	1200	CB	1,176,620	17,660	227,320	35.0	322	505	0.35	
11/05/09	1200	CB	1,196,570	19,950	247,270	30.0	352	665	0.46	**2009**
11/23/09	1200	CB	1,223,480	26,910	274,180	18.0	370	1,495	1.04	274,180
06/20/10	1200	CB	1,223,490	10	274,190	209.0	579	0	0.00	
07/07/10	1200	CB	1,232,290	8,800	282,990	17.0	596	518	0.36	
08/05/10	1200	CB	1,248,520	16,230	299,220	29.0	625	560	0.39	
09/06/10	1200	CB	1,274,270	25,750	324,970	32.0	657	805	0.56	
09/14/10	1200	CB	1,279,310	5,040	330,010	8.0	665	630	0.44	
09/28/10	1200	CB	1,288,380	9,070	339,080	14.0	679	648	0.45	
11/05/10	1200	CB	1,288,390	10	339,090	38.0	717	0	0.00	**2010**
11/10/10	1200	CB	1,292,380	3,990	343,080	5.0	722	798	0.55	68,900
06/28/11	1200	CB	1,292,590	210	343,290	230.0	952	1	0.00	
07/13/11	1200	CB	1,297,670	5,080	348,370	15.0	967	339	0.24	
08/01/11	1200	CB	1,304,610	6,940	355,310	19.0	986	365	0.25	
09/03/11	1200	CB	1,317,270	12,660	367,970	33.0	1,019	384	0.27	
10/04/11	1200	CB	1,336,700	19,430	387,400	31.0	1,050	627	0.44	
11/01/11	1200	CB	1,357,820	21,120	408,520	28.0	1,078	754	0.52	**2011**
11/30/11	1200	CB	1,390,930	33,110	441,630	29.0	1,107	1,142	0.79	98,550
04/20/12	1200	CB	1,390,930	0	441,630	142.0	1,249	0	0.00	
05/04/12	1200	CB	1,416,840	25,910	467,540	14.0	1,263	1,851	1.29	
06/06/12	1200	CB	1,450,860	34,020	501,560	33.0	1,296	1,031	0.72	
07/04/12	1200	CB	1,464,990	14,130	515,690	28.0	1,324	505	0.35	
08/06/12	1200	CB	1,482,850	17,860	533,550	33.0	1,357	541	0.38	
09/05/12	1200	CB	1,502,280	19,430	552,980	30.0	1,387	648	0.45	
10/03/12	1200	CB	1,520,950	18,670	571,650	28.0	1,415	667	0.46	
11/05/12	1200	CB	1,537,050	16,100	587,750	33.0	1,448	488	0.34	**2012**
11/30/12	1200	CB	1,541,170	4,120	591,870	25.0	1,473	165	0.11	150,240

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Table 4-2. Summary of Treated Water Irrigation Rates
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Time	Inspector	Meter Reading (gallons)	Irrigated Volume (gallons)	Cummulative Irrigated Volume (gallons)	Elapsed Time (days)	Cummulative Elapsed Time (days)	Average Recovery Rate (GPD)	Average Recovery Rate (GPM)	Year Total (gallons)
04/19/13	1200	CB	1,541,170	0	591,870	140.0	1,613	0	0.00	
04/30/13	1200	CB	1,553,090	11,920	603,790	11.0	1,624	1,084	0.75	
05/31/13	1200	CB	1,577,610	24,520	628,310	31.0	1,655	791	0.55	
06/30/13	1200	CB	1,614,920	37,310	665,620	30.0	1,685	1,244	0.86	**2013**
07/24/13	1200	CB	1,641,540	26,620	692,240	24.0	1,709	1,109	0.77	100,370
07/24/14	800	MB	1,641,550	10	692,250	364.8	2,074	0	0.00	
08/01/14	830	MB	1,646,660	5,110	697,360	8.0	2,082	1,143	0.79	
09/01/14	915	MB	1,673,410	26,750	724,110	31.0	2,113	821	0.57	
10/01/14	835	MB	1,693,890	20,480	744,590	30.0	2,143	1,887	1.31	
11/01/14	830	MB	1,744,480	50,590	795,180	31.0	2,174	1,632	0.99	**2014**
11/07/14	830	MB	1,753,390	8,910	804,090	6.0	2,180	1,473	1.02	111,840
06/25/15	630	CB	1,753,390	0	804,090	229.9	2,410	0	0.00	
06/26/15	900	CB	40,570	0	804,090	1.1	2,411	0	0.00	***New Meter**
07/01/15	-	CB	46,250	5,680	809,770	5.0	2,416	1,136	0.79	
08/06/15	-	CB	70,570	24,320	834,090	36.0	2,452	676	0.47	
10/03/15	745	CB	83,130	12,560	846,650	58.0	2,510	217	0.15	
11/04/15	-	CB	92,780	9,650	856,300	32.0	2,542	302	0.21	**2015**
11/30/15	-	CB	104,710	11,930	868,230	26.0	2,568	459	0.32	64,140
02/20/16	645	MB/CB	104,710	0	868,230	82.0	2,650	0	0.00	
03/14/16	830	MB/CB	109,930	5,220	873,450	23.1	2,591	226	0.16	
05/24/16	1120	MB/CB	127,415	22,705	890,935	71.1	2,721	319	0.22	
06/01/16	830	MB/CB	130,750	3,335	894,270	7.9	2,729	423	0.29	
07/01/16	600	MB/CB	150,680	19,930	914,200	29.9	2,759	666	0.46	
08/01/16	800	MB/CB	175,520	24,840	939,040	31.1	2,790	799	0.55	
09/01/16	700	MB/CB	192,820	17,300	956,340	31.0	2,821	559	0.39	
10/01/16	630	MB/CB	210,420	17,600	973,940	30.0	2,851	587	0.41	
11/01/16	700	MB/CB	232,570	22,150	996,090	31.0	2,882	714	0.50	**2016**
11/28/16	700	MB/CB	242,360	9,790	1,005,880	27.0	2,909	363	0.25	137,650
07/05/17	730	MB/CB	242,360	0	1,005,880	219.0	3,128	0	0.00	
07/06/17	630	MB/CB	242,940	580	1,006,460	0.96	3,129	605	0.42	
08/08/17	830	MB/CB	269,770	26,830	1,033,290	33.1	3,162	811	0.56	
08/21/17	715	MB/CB	269,770	0	1,033,290	13.0	3,175	0	0.00	
08/23/17	1100	MB/CB	270,910	1,140	1,034,430	2.2	3,177	528	0.37	
09/30/17	700	MB/CB	298,720	27,810	1,062,240	37.8	3,215	735	0.51	

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Table 4-2. Summary of Treated Water Irrigation Rates
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Time	Inspector	Meter Reading (gallons)	Irrigated Volume (gallons)	Cummulative Irrigated Volume (gallons)	Elapsed Time (days)	Cummulative Elapsed Time (days)	Average Recovery Rate (GPD)	Average Recovery Rate (GPM)	Year Total (gallons)
10/31/17	700	MB/CB	320,550	21,830	1,084,070	31.0	3,246	704	0.49	
11/10/17	630	MB/CB	327,480	6,930	1,091,000	10.0	3,256	695	0.48	
11/16/17	700	MB/CB	327,480	0	1,091,000	6.0	3,262	0	0.00	
11/30/17	830	MB/CB	332,720	5,240	1,096,240	14.1	3,276	373	0.26	**2017**
12/01/17	1300	MB/CB	332,910	190	1,096,430	1.2	3,277	159	0.11	90,550
04/24/18	715	MB/CB	332,910	0	1,096,430	143.8	3,421	0	0.00	
05/13/18	700	MB/CB	340,100	7,190	1,103,620	18.99	3,440	379	0.26	
06/11/18	700	MB/CB	340,100	0	1,103,620	29.0	3,469	0	0.00	
06/25/18	1100	MB/CB	342,410	2,310	1,105,930	14.2	3,483	163	0.11	
07/23/18	545	MB/CB	350,000	7,590	1,113,520	27.8	3,511	273	0.19	
08/06/18	600	MB/CB	354,640	4,640	1,118,160	14.0	3,525	331	0.23	
09/24/18	615	MB/CB	363,300	8,660	1,126,820	49.0	3,574	177	0.12	**2018**
10/22/18	715	MB/CB	374,330	11,030	1,137,850	28.0	3,602	393	0.27	41,420
01/01/19	800	MB/CB	374,330	0	1,137,850	71.0	3,673	0	0.00	
06/30/19	715	MB/CB	374,790	460	1,138,310	180.0	3,853	3	0.00	
07/25/19	700	MB/CB	375,480	690	1,139,000	24.99	3,878	28	0.02	
08/06/19	700	MB/CB	376,080	600	1,139,600	12.0	3,890	50	0.03	
08/20/19	1100	MB/CB	377,060	980	1,140,580	14.2	3,904	69	0.05	
09/05/19	545	MB/CB	383,000	5,940	1,146,520	15.8	3,920	377	0.26	
10/07/19	600	MB/CB	394,050	11,050	1,157,570	32.0	3,952	345	0.24	
10/16/19	615	MB/CB	394,680	630	1,158,200	9.0	3,961	70	0.05	**2019**
10/23/19	715	MB/CB	398,410	3,730	1,161,930	7.0	3,968	530	0.37	24,080
04/10/20	700	MB/CB	900	0	1,161,930	170.0	4,138	0	0.00	
04/15/20	600	MB/CB	5,600	4,700	1,166,630	5.0	4,143	948	0.66	
04/21/20	630	MB/CB	10,600	5,000	1,171,630	6.0	4,149	832	0.58	
04/28/20	600	MB/CB	14,300	3,700	1,175,330	7.0	4,156	530	0.37	
05/22/20	600	MB/CB	19,400	5,100	1,180,430	24.0	4,180	213	0.15	
06/02/20	650	MB/CB	26,600	7,200	1,187,630	11.0	4,191	653	0.45	
06/12/20	650	MB/CB	30,000	3,400	1,191,030	10.0	4,201	340	0.24	
06/19/20	600	MB/CB	33,500	3,500	1,194,530	7.0	4,208	501	0.35	
06/26/20	750	MB/CB	36,200	2,700	1,197,230	7.1	4,215	382	0.27	
07/11/20	600	MB/CB	41,600	5,400	1,202,630	14.9	4,230	362	0.25	
07/23/20	640	MB/CB	44,600	3,000	1,205,630	12.0	4,242	250	0.17	
07/31/20	640	MB/CB	46,300	1,700	1,207,330	8.0	4,250	213	0.15	

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Table 4-2. Summary of Treated Water Irrigation Rates
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Time	Inspector	Meter Reading (gallons)	Irrigated Volume (gallons)	Cummulative Irrigated Volume (gallons)	Elapsed Time (days)	Cummulative Elapsed Time (days)	Average Recovery Rate (GPD)	Average Recovery Rate (GPM)	Year Total (gallons)
08/07/20	640	MB/CB	48,300	2,000	1,209,330	7.0	4,257	286	0.20	
08/14/20	640	MB/CB	51,100	2,800	1,212,130	7.0	4,264	400	0.28	
08/27/20	650	MB/CB	53,300	2,200	1,214,330	13.0	4,277	169	0.12	
09/03/20	650	MB/CB	57,500	4,200	1,218,530	7.0	4,284	600	0.42	
09/19/20	650	MB/CB	58,300	800	1,219,330	16.0	4,300	50	0.03	
09/24/20	650	MB/CB	63,100	4,800	1,224,130	5.0	4,305	960	0.67	
10/01/20	650	MB/CB	74,100	11,000	1,235,130	7.0	4,312	1,571	1.09	
10/10/20	750	MB/CB	82,500	8,400	1,243,530	9.0	4,321	929	0.65	
10/17/20	760	MB/CB	88,600	6,100	1,249,630	7.0	4,328	871	0.60	
10/21/20	760	MB/CB	91,800	3,200	1,252,830	4.0	4,332	800	0.56	**2020**
10/31/20	850	MB/CB	95,700	3,900	1,256,730	10.0	4,342	389	0.27	94,800
03/29/21	600	MB/CB	95,700	0	1,256,730	148.9	4,491	0	0.00	
03/30/21	700	MB/CB	98,300	2,600	1,259,330	1.0	4,492	2,496	1.73	
04/10/21	700	MB/CB	108,000	9,700	1,269,030	11.0	4,503	882	0.61	
04/18/21	730	MB/CB	112,100	4,100	1,273,130	8.0	4,511	512	0.36	
04/23/21	615	MB/CB	118,000	5,900	1,279,030	5.0	4,516	1,191	0.83	
04/30/21	645	MB/CB	124,700	6,700	1,285,730	7.0	4,523	955	0.66	
05/15/21	645	MB/CB	128,300	3,600	1,289,330	15.0	4,538	240	0.17	
05/21/21	645	MB/CB	133,300	5,000	1,294,330	6.0	4,544	833	0.58	
05/27/21	645	MB/CB	137,500	4,200	1,298,530	6.0	4,550	700	0.49	
06/05/21	645	MB/CB	142,200	4,700	1,303,230	9.0	4,559	522	0.36	
06/12/21	645	MB/CB	144,600	2,400	1,305,630	7.0	4,566	343	0.24	
06/18/21	700	MB/CB	148,700	4,100	1,309,730	6.0	4,572	681	0.47	
06/25/21	645	MB/CB	153,000	4,300	1,314,030	7.0	4,579	616	0.43	
07/01/21	645	MB/CB	161,300	8,300	1,322,330	6.0	4,585	1,383	0.96	
07/08/21	645	MB/CB	174,300	13,000	1,335,330	7.0	4,592	1,857	1.29	
07/15/21	630	MB/CB	182,000	7,700	1,343,030	7.0	4,599	1,101	0.76	
07/22/21	645	MB/CB	184,500	2,500	1,345,530	7.0	4,606	357	0.25	
07/29/21	645	MB/CB	188,800	4,300	1,349,830	7.0	4,613	614	0.43	
08/05/21	645	MB/CB	192,000	3,200	1,353,030	7.0	4,620	457	0.32	
08/13/21	645	MB/CB	194,100	2,100	1,355,130	8.0	4,628	263	0.18	
08/20/21	645	MB/CB	196,400	2,300	1,357,430	7.0	4,635	329	0.23	
08/26/21	645	MB/CB	198,300	1,900	1,359,330	6.0	4,641	317	0.22	
09/03/21	645	MB/CB	200,500	2,200	1,361,530	8.0	4,649	275	0.19	
09/10/21	645	MB/CB	205,000	4,500	1,366,030	7.0	4,656	643	0.45	
09/17/21	645	MB/CB	209,400	4,400	1,370,430	7.0	4,663	629	0.44	

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Transwestern Compressor Station No. 9 - Roswell, NM

Date	Time	Inspector	Meter Reading (gallons)	Irrigated Volume (gallons)	Cummulative Irrigated Volume (gallons)	Elapsed Time (days)	Cummulative Elapsed Time (days)	Average Recovery Rate (GPD)	Average Recovery Rate (GPM)	Year Total (gallons)
09/24/21	645	MB/CB	213,000	3,600	1,374,030	7.0	4,670	514	0.36	
10/01/21	645	MB/CB	217,400	4,400	1,378,430	7.0	4,677	629	0.44	
10/09/21	645	MB/CB	224,200	6,800	1,385,230	8.0	4,685	850	0.59	
10/15/21	645	MB/CB	227,500	3,300	1,388,530	6.0	4,691	550	0.38	
10/22/21	645	MB/CB	232,000	4,500	1,393,030	7.0	4,698	643	0.45	
10/29/21	645	MB/CB	236,400	4,400	1,397,430	7.0	4,705	629	0.44	**2021**
11/05/21	645	MB/CB	240,600	4,200	1,401,630	7.0	4,712	600	0.42	144,900
2/8/22	700	MB/CB	240,600	0	1,401,630	95.0	4,807	0	0.00	
2/12/22	730	MB/CB	243,700	3,100	1,404,730	4.0	4,811	773	0.54	
2/18/22	730	MB/CB	246500	2,800	1,407,530	6.0	4,817	467	0.32	
3/5/22	730	MB/CB	251800	5,300	1,412,830	15.0	4,832	353	0.25	
3/11/22	600	MB/CB	254900	3,100	1,415,930	5.9	4,838	521	0.36	
4/23/22	700	MB/CB	259200	4,300	1,420,230	43.0	4,881	100	0.07	
4/30/22	630	MB/CB	265400	6,200	1,426,430	7.0	4,888	889	0.62	
5/21/22	630	MB/CB	269900	4,500	1,430,930	21.0	4,909	214	0.15	
7/2/22	600	MB/CB	283200	13,300	1,444,230	42.0	4,951	317	0.22	
7/9/22	600	MB/CB	284200	1,000	1,445,230	7.0	4,958	143	0.10	
7/16/22	2000	MB/CB	285200	1,000	1,446,230	7.6	4,965	132	0.09	
7/23/22	1700	MB/CB	286400	1,200	1,447,430	6.9	4,972	175	0.12	
7/26/22	1700	MB/CB	287000	600	1,448,030	3.0	4,975	200	0.14	
8/6/22	630	MB/CB	287600	600	1,448,630	10.6	4,986	57	0.04	
8/13/22	630	MB/CB	288600	1,000	1,449,630	7.0	4,993	143	0.10	
8/20/22	630	MB/CB	291700	3,100	1,452,730	7.0	5,000	443	0.31	
8/27/22	630	MB/CB	296700	5,000	1,457,730	7.0	5,007	714	0.50	
9/3/22	630	MB/CB	301300	4,600	1,462,330	7.0	5,014	657	0.46	
9/10/22	700	MB/CB	305100	3,800	1,466,130	7.0	5,021	541	0.38	
9/17/22	630	MB/CB	307600	2,500	1,468,630	7.0	5,028	359	0.25	
9/24/22	630	MB/CB	311500	3,900	1,472,530	7.0	5,035	557	0.39	
10/1/22	630	MB/CB	315700	4,200	1,476,730	7.0	5,042	600	0.42	
10/8/22	700	MB/CB	318700	3,000	1,479,730	7.0	5,049	427	0.30	
10/15/22	700	MB/CB	320100	1,400	1,481,130	7.0	5,056	200	0.14	
10/22/22	700	MB/CB	323600	3,500	1,484,630	7.0	5,063	500	0.35	
10/29/22	700	MB/CB	326500	2,900	1,487,530	7.0	5,070	414	0.29	
11/26/22	700	MB/CB	328600	2,100	1,489,630	28.0	5,098	75	0.05	
12/3/22	700	MB/CB	331700	3,100	1,492,730	7.0	5,105	443	0.31	

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Table 4-2. Summary of Treated Water Irrigation Rates
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Time	Inspector	Meter Reading (gallons)	Irrigated Volume (gallons)	Cummulative Irrigated Volume (gallons)	Elapsed Time (days)	Cummulative Elapsed Time (days)	Average Recovery Rate (GPD)	Average Recovery Rate (GPM)	Year Total (gallons)
12/10/22	700	MB/CB	334000	2,300	1,495,030	7.0	5,112	329	0.23	
12/17/22	730	MB/CB	334700	700	1,495,730	7.0	5,119	100	0.07	**2022**
12/24/22	730	MB/CB	334900	200	1,495,930	7.0	5,126	29	0.02	94,300

NOTES:

Irrigated Volume (gallons) = Difference between prior meter reading and current meter reading (gallons)
Cummulative Irrigated Volume (gallons) = Cummulative sum of Irrigated Volume (gallons)
Elapsed Time (days) = Calculated number of days from the prior date and time
Cummulative Elapsed Time (days) = Cummulative sum of Elapsed Time (days)
Average Recovery Rate (GPD) = Irrigated Volume (gallons) / Elapsed Time (days)
Average Recovery Rate (GPM) = Average Recovery Rate (GPD) / 24 (hours/day) / 60 (minutes/hour)
Historical data before 2009 is presented in previous reports

Prepared by: JDD 1/23/2023
Checked by: SD 3/17/2023

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Table 4-3. Groundwater Treatment System
Mass Removal Calculations for Total BTEX
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Water Totalizer Meter Reading (gals)	Water Volume (gals)	Elapsed Time (days)	Flow Rate (gals/day)	Total BTEX (ug/L)	Mass Removal Rate (lbs/day)	Mass Removed (lbs)	Mass Removed (equivalent gals)
05/01/09	964,480	NA	NA	NA	NA	NA	NA	NA
05/25/09	1,003,890	39,410	24	1,642	4,339	0.0595	1.4	0.225
06/22/09	1,064,810	60,920	28	2,176	9,810	0.1782	5.0	0.788
07/21/09	1,107,950	43,140	29	1,488	9,910	0.1231	3.6	0.564
08/24/09	1,145,780	37,830	34	1,113	9,400	0.0873	3.0	0.469
09/28/09	1,165,680	19,900	35	569	6,230	0.0296	1.0	0.164
10/29/09	1,180,920	15,240	31	492	10,080	0.0414	1.3	0.203
11/18/09	1,214,350	33,430	20	1,672	6,840	0.0955	1.9	0.302
						2009 Total	**17.2**	**2.715**
06/20/10	1,223,490	NA	NA	NA	NA	NA	NA	NA
06/30/10	1,227,190	3,700	10	370	7,120	0.0220	0.2	0.035
07/31/10	1,248,140	20,950	31	676	5,340	0.0301	0.9	0.148
08/30/10	1,265,630	17,490	30	583	6,350	0.0309	0.9	0.147
11/10/10	1,292,380	26,750	72	372	8,260	0.0256	1.8	0.291
						2010 Total	**3.9**	**0.620**
08/01/11	1,304,610	NA	NA	NA	NA	NA	NA	NA
08/10/11	1,312,240	7,630	9	848	4,400	0.0311	0.3	0.044
10/09/11	1,344,310	32,070	60	535	10,540	0.0470	2.8	0.446
11/03/11	1,357,820	13,510	25	540	10,540	0.0476	1.2	0.188
						2011 Total	**4.3**	**0.678**
04/20/12	1,390,930	NA	NA	NA	NA	NA	NA	NA
04/30/12	1,413,930	23,000	10	2,300	8,800	0.1690	1.7	0.267
06/05/12	1,450,860	36,930	36	1,026	8,920	0.0764	2.8	0.435
06/28/12	1,459,530	8,670	23	377	10,050	0.0316	0.7	0.115
07/25/12	1,479,740	20,210	27	749	10,460	0.0654	1.8	0.279
08/15/12	1,486,280	6,540	21	311	8,970	0.0233	0.5	0.077
09/23/12	1,513,290	27,010	39	693	8,870	0.0513	2.0	0.316
10/25/12	1,524,400	11,110	32	347	10,480	0.0304	1.0	0.154
11/28/12	1,541,110	16,710	34	491	8,530	0.0350	1.2	0.188
						2012 Total	**11.6**	**1.831**
04/30/13	1,553,090	NA	NA	NA	NA	NA	NA	NA
05/16/13	1,576,010	22,920	16	1,433	10,560	0.1263	2.0	0.319
06/17/13	1,614,920	38,910	32	1,216	9,760	0.0991	3.2	0.501
07/17/13	1,641,540	26,620	30	887	11,170	0.0828	2.5	0.392
						2013 Total	**7.7**	**1.213**
07/24/14	1,641,550	NA	NA	NA	NA	NA	NA	NA
07/31/14	1,645,550	4,000	7	571	4,270	0.0204	0.1	0.023
08/25/14	1,667,720	22,170	25	887	4,410	0.0327	0.8	0.129
09/17/14	1,683,180	15,460	23	672	7,280	0.0409	0.9	0.148
10/15/14	1,714,440	31,260	28	1,116	8,500	0.0792	2.2	0.351
						2014 Total	**4.1**	**0.651**
07/01/15	46,250	NA	NA	NA	NA	NA	NA	NA
07/15/15	56,930	10,680	14	763	7,360	0.0469	0.7	0.104
10/27/15	91,500	34,570	104	332	4,600	0.0128	1.3	0.210
11/20/15	104,710	13,210	24	550	8,660	0.0398	1.0	0.151
						2015 Total	**2.9**	**0.464**

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Table 4-3. Groundwater Treatment System
Mass Removal Calculations for Total BTEX
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Water Totalizer Meter Reading (gals)	Water Volume (gals)	Elapsed Time (days)	Flow Rate (gals/day)	Total BTEX (ug/L)	Mass Removal Rate (lbs/day)	Mass Removed (lbs)	Mass Removed (equivalent gals)
03/23/16	114,640	NA	NA	NA	NA	NA	NA	NA
05/19/16	127,415	12,775	57	224	4,160	0.0078	0.4	0.070
06/28/16	148,810	21,395	40	535	3,720	0.0166	0.7	0.105
07/07/16	155,900	7,090	9	788	6,360	0.0418	0.4	0.059
08/24/16	190,170	34,270	48	714	6,370	0.0380	1.8	0.288
09/21/16	204,940	14,770	28	528	6,690	0.0295	0.8	0.130
10/24/16	225,540	20,600	33	624	4,040	0.0211	0.7	0.110
11/03/16	234,090	8,550	10	855	7,280	0.0520	0.5	0.082
						2016 Total	**5.3**	**0.845**
07/05/17	242,360	NA	NA	NA	NA	NA	NA	NA
07/11/17	248,050	5,690	6	948	15,194	0.1203	0.7	0.114
08/24/17	272,050	24,000	44	545	9,100	0.0414	1.8	0.288
09/25/17	296,160	24,110	32	753	12,450	0.0783	2.5	0.396
10/23/17	316,010	19,850	28	709	12,100	0.0716	2.0	0.317
11/27/17	331,400	15,390	35	440	12,100	0.0444	1.6	0.246
						2017 Total	**8.6**	**1.361**
06/11/18	332,910	NA	NA	NA	NA	NA	NA	NA
06/25/18	342,410	9,500	14	679	4,620	0.0262	0.4	0.058
07/23/18	350,000	7,590	28	271	7,300	0.0165	0.5	0.073
08/06/18	354,640	4,640	14	331	9,780	0.0271	0.4	0.060
09/24/18	363,300	8,660	49	177	10,850	0.0160	0.8	0.124
10/22/18	374,330	11,030	28	394	12,260	0.0403	1.1	0.178
						2018 Total	**3.1**	**0.493**
01/01/19	374,330	0	71	0	NA	NA	NA	NA
06/30/19	374,790	460	180	3	NA	NA	NA	NA
08/20/19	377,060	980	14	70	NA	NA	NA	NA
09/16/19	383,000	10,017	27	371	12,540	0.0389	1.0	0.166
10/29/19	398,410	15,410	43	358	11,890	0.0355	1.5	0.241
						2019 Total	**2.6**	**0.407**
04/14/20	5,600	4,700	6	783	11,750	0.0769	0.5	0.073
05/31/20	26,600	21,000	47	447	9,870	0.0368	1.7	0.273
06/25/20	36,200	9,600	25	384	8,780	0.0282	0.7	0.111
09/21/20	58,300	22,100	88	251	10,130	0.0212	1.9	0.295
10/26/20	95,700	37,400	35	1,069	10,570	0.0943	3.3	0.522
						2020 Total	**8.1**	**1.274**
04/13/21	95,700	NA	NA	NA	NA	NA	NA	NA
04/13/21	108,000	12,300	169	73	5,175	0.0031	0.5	0.084
05/25/21	137,500	29,500	42	702	3,860	0.0226	1.0	0.150
06/15/21	148,700	11,200	21	533	8,340	0.0371	0.8	0.123
07/22/21	184,500	35,800	37	968	3,700	0.0299	1.1	0.175
08/17/21	196,400	11,900	26	458	2,233	0.0085	0.2	0.035
09/15/21	209,400	13,000	29	448	7,580	0.0284	0.8	0.130
10/14/21	227,500	18,100	29	624	8,850	0.0461	1.3	0.211
						2021 Total	**5.8**	**0.909**

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Table 4-3. Groundwater Treatment System
Mass Removal Calculations for Total BTEX
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Water Totalizer Meter Reading (gals)	Water Volume (gals)	Elapsed Time (days)	Flow Rate (gals/day)	Total BTEX (ug/L)	Mass Removal Rate (lbs/day)	Mass Removed (lbs)	Mass Removed (equivalent gals)
02/08/22	227,500	NA	NA	NA	NA	NA	NA	NA
03/09/22	254,900	27,400	29	945	6,010	0.0474	1.4	0.217
04/21/22	259,200	4,300	43	100	3,820	0.0032	0.1	0.022
05/23/22	269,900	10,700	32	334	3,670	0.0102	0.3	0.052
07/14/22	285,200	15,300	52	294	4,050	0.0100	0.5	0.082
08/22/22	296,700	11,500	39	295	6,860	0.0169	0.7	0.104
09/27/22	311,500	14,800	36	411	5,070	0.0174	0.6	0.099
10/29/22	326,500	15,000	32	469	4,390	0.0172	0.5	0.087
12/20/22	334,900	8,400	52	162	1,077	0.0015	0.1	0.012
						2022 Total	**4.3**	**0.674**
						Total	**89.5**	**14.134**

Notes:
BTEX - benzene, toluene, ethylbenzene, xylenes
gals - gallons
ug/L - micrograms per liter
lbs - pounds
NA - not applicable, system deactivated during winter months
Total BTEX concentrations are reported from analytical results of monthly influent samples.
1) Specific gravity of VOC is 0.76 based on Fingerprinting Analytical performed by Core Laboratories in October 2012.
2) Between June and August 2019, system was deactivated due to semi-annual sampling delays and malfunctions with the system; therefore water treatment samples were not collected.
3) New water meter installed on 4/9/2020

Prepared by: RB 1/26/2023
Checked by: JDD 3/14/2023

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Table 4-4 Summary of Water Treatment System Analyses
Transwestern Compressor Station No. 9 - Roswell, NM

Sample Point	Sampling Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (total) (ug/L)	GRO (Gasoline Range)	Acetone (ug/L)	2-Butanone (ug/L)	Remaining VOCs	Phosphorus (As P) (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Nitrate (NO3 as N) (mg/L)	Fluoride (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium mg/L)	Sodium (mg/L)
NMWQCC Standard:		5	1,000	700	620	none	none	none	NA	none	250	600	10.0	1.6	none	none	none	none
Post-Treatment	05/25/09	< 1.0	< 1.0	< 1.0	< 1.5	< 0.05	49	< 10	ND	< 0.5	**430**	**1,600**	< 1.0	1.3	490	130	2.7	200
	06/22/09	< 1.0	< 1.0	< 1.0	< 1.5	--	70	< 10	ND	< 0.5	**440**	**1,200**	< 5.0	1.5	430	130	2.6	200
	07/21/09	< 1.0	< 1.0	< 1.0	< 1.5	--	13	< 10	ND	< 0.5	**480**	**1,500**	< 2.0	**1.7**	470	140	3.1	210
	08/24/09	< 1.0	< 1.0	< 1.0	< 1.5	--	13	16	ND	< 0.5	74	110	< 2.0	**2.1**	510	140	3.1	210
	09/28/09	< 1.0	< 1.0	< 1.0	< 1.5	--	19	14	ND	< 0.5	**430**	**1,200**	< 1.0	**1.6**	370	120	2.8	210
	10/29/09	< 1.0	< 1.0	< 1.0	< 1.5	--	20	15	ND	< 0.5	**440**	**1,500**	< 0.5	**1.8**	440	130	3.1	200
	11/18/09	4.8	1.3	< 1.0	< 1.5	--	24	18	ND	< 0.5	**430**	**1,600**	< 2.0	**2.1**	490	140	3.4	200
	06/30/10	**5.6**	< 1.0	< 1.0	< 1.5	--	110	17	ND	< 0.5	**420**	**910**	< 1.0	**1.7**	330	120	2.8	210
	07/31/10	< 1.0	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	< 0.5	**410**	**1,100**	< 1.0	1.1	420	130	5.3	200
	08/30/10	< 1.0	< 1.0	< 1.0	< 1.5	--	60	< 10	ND	< 0.5	**460**	**1,600**	< 2.0	1.2	500	150	2.8	210
	11/10/10	< 1.0	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	1.1	**480**	**1,300**	< 2.0	1.0	430	130	3.1	220
	08/10/11	< 1.0	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	< 10	**490**	**1,600**	< 0.1	1.1	500	150	3.7	230
	10/09/11	< 1.0	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	< 0.5	**430**	**1,400**	1.4	1.5	490	160	2.8	220
	11/03/11	< 1.0	< 1.0	< 1.0	< 1.5	--	41	< 10	ND	< 0.5	**400**	**1,500**	< 0.1	1.4	520	140	2.6	210
	04/30/12	< 1.0	< 1.0	< 1.0	< 1.5	--	70	20	ND	< 10 (H)	**390**	**1,300**	< 1.0	**11 ***	490	140	2.8	210
	06/05/12	1.2	< 1.0	< 1.0	< 1.5	--	43	24	ND	< 10	**370**	**1,300**	< 1.0	**5.5 ***	490	130	3.0	200
	06/28/12	1.7	< 1.0	< 1.0	< 1.5	--	62	31	ND	< 10	**440**	**1,500**	< 0.2	**12 ***	500	150	2.8	220
	07/25/12	< 1.0	< 1.0	< 1.0	< 1.5	--	28	< 10	ND	< 10	**430**	**1,200**	< 0.2	**14 ***	460	140	3.0	200
	08/15/12	< 1.0	< 1.0	< 1.0	< 1.5	--	37	< 10	ND	< 0.5	**370**	**700**	0.20	1.4	350	120	2.7	210
	09/23/12	< 1.0	< 1.0	< 1.0	< 1.5	--	71	< 10	ND	< 0.5	**420**	**660**	< 0.1	1.4	330	120	3.3	210
	10/25/12	< 1.0	< 1.0	< 1.0	< 1.5	--	55	< 10	ND	< 2.5	**420**	**1,200**	< 0.5	< 0.5	410	140	2.5	210
	11/28/12	< 1.0	< 1.0	< 1.0	< 1.5	--	44	< 10	ND	< 0.5	**440**	**1,200**	< 1.0	< 0.5	360	130	3.2	200
	05/16/13	< 1.0	< 1.0	< 1.0	< 1.5	--	59	< 10	ND	< 0.5	**380**	**1,300**	< 0.1	**7.8 ***	490	140	3.2	210
	06/17/13	< 1.0	< 1.0	< 1.0	< 1.5	--	66	< 10	ND	< 10	**340**	**1,000**	< 0.1	**5.4 ***	460	130	5.6	230
	07/17/13	< 1.0	< 1.0	< 1.0	< 1.5	--	74	17	ND	< 2.5 (H)	**380**	**1,100**	< 1.0	1.2	480	130	2.8	200
	07/31/14	< 1.0	< 1.0	< 1.0	< 3.0	--	6.2	< 2	ND	< 0.0 (H)	**430**	**1,320**	< 0.1	**4.64**	503	126	2.8	211
	08/25/14	< 1.0	< 1.0	< 1.0	< 3.0	--	14	< 2	ND	< 0	**372**	**983**	< 0.1	1.17	397	126	2.4	182
	09/17/14	< 1.0	< 1.0	< 1.0	< 3.0	--	< 2	< 2	ND	1.8	**359**	**939**	< 0.1	**2.55**	281	109	382	249
	10/15/14	< 1.0	< 1.0	< 1.0	< 3.0	--	10	< 2	ND	< 0	**315**	**1,730**	0.46	1.38	489	152	5.00	302
	07/15/15	< 1.0	< 1.0	< 1.0	< 3.0	--	25	< 2	ND	< 0.025	**395**	**617**	< 0.1	1.44	227	95.1	2.12	201
	10/27/15	< 1.0	< 1.0	< 1.0	< 3.0	--	11	0.22	ND	0.041	**382**	483	<0.1	**1.66**	242	107	1.77	190
	11/20/15	< 1.0	< 1.0	< 1.0	< 3.0	--	< 2	< 2	ND	0.111	**397**	429	0.242	**5.53**	244	88.4	1.48	189
	03/21/16	< 1.0	< 1.0	< 1.0	< 3.0	--	32	< 2	ND	0.195	**387**	411	< 0.1	1.48	232	101	1.45	204
	04/20/16	< 1.0	< 1.0	< 1.0	< 3.0	--	19	< 2	ND	0.195	**388**	358	< 0.1	1.37	197	97.1	1.42	215
	05/19/16	< 1.0	< 1.0	< 1.0	< 3.0	--	< 2	< 2	ND	< 0.025	**458**	415	< 0.1	**2.06**	258	104	1.69	227
	06/28/16	< 1.0	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	< 0.5	**400**	**840**	< 0.1	**2.60**	280	110	2.6	200
	07/07/16	< 1.0	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	< 0.5	**360**	**780**	< 0.1	< 0.1	290	120	2.1	210
	08/24/16	< 1.0	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	< 10	**350**	**850**	< 0.1	**1.9**	290	120	1.7	210
	09/21/16	< 1.0	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	< 0.5	**370**	**890**	< 0.1	**1.9**	320	120	2.1	230
	10/24/16	< 1.0	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	< 0.5	**360**	**900**	< 0.1	1.5	340	130	2.3	220
	11/03/16	< 1.0	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	< 0.5	**330**	**910**	< 0.1	**1.9**	330	120	1.9	200
	07/11/17	< 1.0	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	< 2.5	**420**	560	< 0.1	< 0.5	220	92	1.7	170
	08/24/17	< 1.0	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	< 0.5	**370**	520	< 0.1	1.5	220	110	1.7	210
	09/25/17	3.1	2.1	< 1.0	< 1.5	--	< 10	< 10	ND	< 2.5	**410**	**610**	< 0.5	< 0.5	260	110	2.2	120
	10/23/17	1.0	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	< 0.5	**400**	**740**	< 0.1	1.2	270	100	1.8	190
	11/27/17	1.7	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	< 0.5	**400**	**810**	< 0.1	1.2	310	100	1.8	200
	06/28/18	< 2.5	< 2.5	< 2.5	< 3.8	--	< 25	< 25	ND	< 0.5	**420**	230	< 1.0	1.1	140	110	1.9	220
	07/23/18	< 1.0	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	< 0.5	**410**	340	< 0.1	< 0.1	200	110	1.9	210
	08/13/18	< 1.0	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	< 0.5	**400**	420	< 0.1	< 0.5	240	130	1.9	210
	09/19/18	< 1.0	< 1.0	< 1.0	< 1.5	--	< 10	< 10	ND	< 0.5	**440**	550	< 0.1	< 2.0	280	120	3.0	210
	10/18/18	< 1.0	< 1.0	< 1.0	< 1.5	--	17	< 10	ND	< 0.5	**400**	590	< 0.1	1.1	270	120	1.7	220
	09/16/19	< 1.0	< 1.0	< 1.0	< 1.5	--	<10	10	ND	<0.5	**440**	**800**	<0.1	0.98	290	110	2.2	220
	10/29/19	< 1.0	< 1.0	< 1.0	< 1.0	--	<10	< 10	ND	<0.5	**400**	NT	NT	NT	320	110	2.1	200
	05/31/20	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	<0.5	**510**	**790**	<1.0	2.4	350	100	2.1	200
	06/25/20	<1	<1	<1	<1.5	--	<10	<10	ND	<0.5	**380**	**760**	<1.0	**1.6**	290	120	2.2	220
	09/21/20	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	<0.5	**380**	**1,100**	<0.10	0.6	400	110	2.3	210
	10/26/20	<1.0	<1.0	<1.0	<1.5	--	11	<10	ND	<0.5	**450**	**1,200**	<1.0	1.3	440	120	3.9	220
	04/12/21	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	<0.5	**370**	**1,100**	<0.10	1.3	400	110	8.1	230
	05/25/21	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	<2.5	**370**	**1,100**	<0.50	1.1	400	110	4.9	210
	06/15/21	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	<0.5	**380**	**1,000**	<1.0	1.1	370	120	6.3	220
	07/22/21	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	<2.5	**410**	**1,300**	<0.50	1.5	470	120	15.0	230

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Table 4-4 Summary of Water Treatment System Analyses
Transwestern Compressor Station No. 9 - Roswell, NM

Sample Point	Sampling Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (total) (ug/L)	GRO (Gasoline Range)	Acetone (ug/L)	2-Butanone (ug/L)	Remaining VOCs	Phosphorus (As P) (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Nitrate (NO3 as N) (mg/L)	Fluoride (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium mg/L)	Sodium (mg/L)
NMWQCC Standard:		5	1,000	700	620	none	none	none	NA	none	250	600	10.0	1.6	none	none	none	none
Post Treatment	8/17/2021*	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	---	---	---	---	---	440	130	7.1	210
	09/15/21	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	<2.5	**410**	**1,400**	<0.50	**1.6**	480	120	3.1	230
	10/14/21	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	<0.5	**400**	**1,500**	<0.10	**1.6**	500	130	4.7	230
	12/30/21	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	<2.5	**380**	**1,400**	<1.0	1.2	500	130	3.3	230
	03/09/22	<1.0	<1.0	<1.0	<1.5	--	11	<10	ND	<2.5	**390**	**1,300**	<1.0	1.5	500	120	2.8	220
	04/21/22	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	<2.5	**400**	**1,200**	<0.50	**1.6**	430	120	3.4	210
	05/23/22	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	<2.5	**360**	**1,200**	<0.50	**1.6**	400	110	2.5	190
	07/14/22	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	<0.50	**400**	**930**	<0.10	1.3	320	110	2.5	190
	08/22/22	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	<10	**350**	**1,100**	<0.10	**1.8**	400	110	<5.0	220
	09/27/22	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	<0.50	**360**	**1,200**	<0.10	<2.0	450	120	2.6	220
	10/29/22	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	<2.5	**380**	**930**	<1.0	1.4	370	120	2.3	220
	12/20/22	<1.0	<1.0	<1.0	<1.5	--	<10	<10	ND	< 5.9	90	93	<0.50	0.6	350	110	2.2	230
Between GACs	06/22/09	**350**	570	16	210	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/21/09	< 1.0	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/09	< 1.0	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/28/09	< 1.0	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/29/09	< 1.0	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/18/09	**9.3**	3.3	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/30/10	2.1	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/31/10	**200**	200	12	150	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/30/10	**300**	440	22	280	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/10/10	< 1.0	< 1.0	< 1.0	< 3.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/10/11	< 1.0	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/09/11	3.2	1.6	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/03/11	2.8	1.6	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	04/30/12	3.6	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/05/12	3.9	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/28/12	4.7	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/25/12	1.8	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/15/12	1.7	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/23/12	1.7	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/25/12	1.5	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/28/12	1.5	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	05/16/13	3.3	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/17/13	4.0	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/17/13	3.2	1.8	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/31/14	**5.5**	3.4	< 1.0	4	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/25/14	**6.4**	< 1.0	< 1.0	< 3.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/17/14	< 1.0	< 1.0	< 1.0	< 3.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/15/14	< 1.0	< 1.0	< 1.0	< 3.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/15/15	< 1.0	< 1.0	< 1.0	< 3.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/27/15	< 1.0	< 1.0	< 1.0	< 3.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/20/15	**12**	10.0	< 1.0	7.5	--	---	---	---	---	---	---	---	---	---	---	---	---
	03/21/16	**6.7**	9.9	< 1.0	20	--	---	---	---	---	---	---	---	---	---	---	---	---
	04/20/16	< 1.0	< 1.0	< 1.0	< 3.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	05/19/16	< 1.0	< 1.0	< 1.0	< 3.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/28/16	< 1.0	< 1.0	< 1.0	< 3.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/07/16	< 1.0	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/16	< 1.0	< 1.0	< 1.0	< 1.5	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/21/16	< 1.0	< 1.0	< 1.0	< 1.5	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/24/16	4.5	5	< 1.0	4.4	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/03/16	< 1.0	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/11/17	< 1.0	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/17	4	3.6	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/25/17	**600**	650	25	220	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/24/17	**16**	14	<1.0	7.7	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/27/17	**21**	19	< 1.0	8.7	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/28/18	**5.2**	2.6	< 1.0	1.5	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/23/18	**13**	7.1	< 1.0	5.6	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/13/18	**11**	5	< 1.0	3.9	---	---	---	---	---	---	---	---	---	---	---	---	---

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Table 4-4 Summary of Water Treatment System Analyses
Transwestern Compressor Station No. 9 - Roswell, NM

Sample Point	Sampling Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (total) (ug/L)	GRO (Gasoline Range)	Acetone (ug/L)	2-Butanone (ug/L)	Remaining VOCs	Phosphorus (As P) (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Nitrate (NO3 as N) (mg/L)	Fluoride (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium mg/L)	Sodium (mg/L)
NMWQCC Standard:		5	1,000	700	620	none	none	none	NA	none	250	600	10.0	1.6	none	none	none	none
Between GACs	09/19/18	**8.1**	4	< 1.0	< 1.5	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/18/18	**47**	47	1.6	21	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/16/19	2.1	<1.0	<1.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/29/19	**17**	18	<1.0	9.2	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/31/20	<1.0	<1.0	<1.0	<1.5	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/25/20	1.1	<1	<1	<1.5	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/21/20	**170**	140	1.9	22	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/26/20	1.4	3.8	<1.0	3.7	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/12/21	1.5	<1.0	<1.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/25/21	<1.0	<1.0	<1.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/15/21	< 1.0	< 1.0	< 1.0	< 1.5	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/22/21	<1.0	<1.0	<1.0	<1.5	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/17/21	1.6	<1.0	<1.0	<1.5	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/15/21	5.6	2.6	<1.0	1.6	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/14/21	**23**	16	<1.0	7.4	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/30/21	**280**	140	3.7	36	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/09/22	**140**	100	2	60	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/21/22	6	2	<1.0	2.5	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/23/22	1.7	<1.0	<1.0	<1.5	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/14/22	1.9	<1.0	<1.0	<1.5	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/22/22	2.5	<1.0	<1.0	<1.5	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/27/22	2.1	<1.0	<1.0	<1.5	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/29/22	**18**	**20**	1.4	14	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/20/22	2.4	2	<1.0	<1.5	---	---	---	---	---	---	---	---	---	---	---	---	---
Post-Air Stripper	05/25/09	**260**	680	33	**790**	5.3	---	---	---	---	<1.5	---	---	---	---	---	---	---
	06/22/09	**960**	**1,600**	63	**830**	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/21/09	**280**	500	< 20	280	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/09	**230**	350	13	220	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/28/09	**290**	72	19	240	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/29/09	**450**	670	42	430	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/18/09	**200**	470	18	300	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/30/10	**450**	460	13	250	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/31/10	**190**	200	11	140	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/30/10	**450**	660	31	450	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/10/10	**59**	97	< 10	65	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/10/11	1.4	2.7	< 1	3.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/09/11	**21**	37	2.0	22	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/03/11	**30**	66	3.4	47	--	---	---	---	---	---	---	---	---	---	---	---	---
	04/30/12	< 1	1.3	< 1	2.2	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/05/12	< 1	1.0	< 1	< 2	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/28/12	< 1	< 1	< 1	< 2	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/25/12	**170**	270	12	130	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/15/12	**13**	16	< 5	10	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/23/12	< 5	< 5	< 5	< 10	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/25/12	< 5	< 5	< 5	< 10	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/28/12	**5.1**	8.4	< 5	< 10	--	---	---	---	---	---	---	---	---	---	---	---	---
	05/16/13	< 5	< 5	< 5	< 10	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/17/13	< 5	< 5	< 5	< 10	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/17/13	< 5	< 5	< 5	< 10	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/31/14	< 1	< 1	< 1	< 3	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/25/14	< 1	< 1	< 1	< 3	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/17/14	< 1	< 1	< 1	< 3	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/15/14	**5**	11	< 1	10	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/15/15	< 1.0	< 1.0	< 1.0	< 3.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/27/15	**12**	14	1.5	11	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/20/15	**110**	160	9.3	140	--	---	---	---	---	---	---	---	---	---	---	---	---
	03/21/16	**22**	77	14	200	--	---	---	---	---	---	---	---	---	---	---	---	---
	04/20/16	< 1.0	< 1.0	< 1.0	< 3.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	05/19/16	< 1.0	< 1.0	< 1.0	< 3.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/28/16	< 2.5	< 5.0	< 5.0	< 10	--	---	---	---	---	---	---	---	---	---	---	---	---

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Table 4-4 Summary of Water Treatment System Analyses
Transwestern Compressor Station No. 9 - Roswell, NM

Sample Point	Sampling Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (total) (ug/L)	GRO (Gasoline Range)	Acetone (ug/L)	2-Butanone (ug/L)	Remaining VOCs	Phosphorus (As P) (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Nitrate (NO3 as N) (mg/L)	Fluoride (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium mg/L)	Sodium (mg/L)
NMWQCC Standard:		5	1,000	700	620	none	none	none	NA	none	250	600	10.0	1.6	none	none	none	none
Post-Air Stripper	07/0716	< 1.0	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/16	< 1.0	< 1.0	< 1.0	< 1.5	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/21/16	< 1.0	< 1.0	< 1.0	< 1.5	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/24/16	**20**	26	1.5	25	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/03/16	< 1.0	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/11/17	< 1.0	< 1.0	< 1.0	< 2.0	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/17	**5.6**	6.7	< 1.0	3.5	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/25/17	**380**	470	19	190	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/23/17	**9.6**	13	< 1.0	8	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/27/17	**29**	38	2	20	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/28/18	**8.3**	8.1	< 1.0	6.5	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/23/18	**22**	19	1.7	17	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/13/18	**20**	20	1.5	14	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/19/18	**74**	71	4.4	42	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/18/18	**110**	170	10	120	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/16/19	**5.0**	6.2	<1.0	3.6	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/29/19	**44**	52	1.9	36	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/31/20	<1.0	<1.0	<1.0	<1.5	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/25/20	2.9	4.5	<1.0	3.1	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/21/20	**450**	640.0	31.0	350.0	--	--	--	--	--	--	--	--	--	--	--	--	---
	10/26/20	1.5	3.9	<1.0	3.6	--	--	--	--	--	--	--	--	--	--	--	--	---
	04/12/21	**12**	23.0	1.1	39.0	--	--	--	--	--	--	--	--	--	--	--	--	---
	05/25/21	<1.0	<1.0	<1.0	3.4	--	--	--	--	--	--	--	--	--	--	--	--	---
	06/15/21	**7.7**	9.3	<1.0	9.0	--	--	--	--	--	--	--	--	--	--	--	--	---
	07/22/21	**9.2**	14.0	<1.0	20.0	--	--	--	--	--	--	--	--	--	--	--	--	---
	08/17/21	**6.9**	5.3	<1.0	12.0	--	--	--	--	--	--	--	--	--	--	--	--	---
	09/15/21	**18**	17.0	1.1	12.0	--	--	--	--	--	--	--	--	--	--	--	--	---
	10/14/21	**46**	52.0	2.0	33.0	--	--	--	--	--	--	--	--	--	--	--	--	---
	12/30/21	**770**	790.0	25.0	410.0	--	--	--	--	--	--	--	--	--	--	--	--	---
	03/09/22	**490**	830.0	30.0	**780.0**	--	--	--	--	--	--	--	--	--	--	--	--	---
	04/21/22	**24**	23.0	2.7	37.0	--	--	--	--	--	--	--	--	--	--	--	--	---
	05/23/22	**8.2**	13.0	1.5	16.0	--	--	--	--	--	--	--	--	--	--	--	--	---
	07/14/22	**6.8**	<1.0	<1.0	2.2	--	--	--	--	--	--	--	--	--	--	--	--	---
	08/22/22	**6.5**	5.5	<1.0	4.3	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/27/22	**9.3**	10.0	<1.0	11.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/29/22	**12**	21.0	2.2	27.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/20/22	**7.8**	12.0	1.1	14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
Pre-Treatment	05/25/09	**640**	**1,700**	99	**1,900**	15	---	---	---	---	---	---	---	---	---	---	---	---
	06/22/09	**2,700**	**4,500**	210	**2,400**	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/21/09	**2,500**	**4,600**	210	**2,600**	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/09	**2,700**	**4,000**	200	**2,500**	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/28/09	**2,900**	910	220	**2,200**	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/29/09	**3,000**	**4,100**	280	**2,700**	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/18/09	**1,400**	**3,300**	140	**2,000**	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/30/10	**2,700**	**2,800**	120	**1,500**	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/31/10	**1,900**	**2,000**	140	**1,300**	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/30/10	**1,800**	**2,600**	150	**1,800**	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/10/10	**2,400**	**3,900**	220	**2,100**	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/10/11	**970**	**1,900**	130	**1,400**	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/09/11	**3,000**	**4,800**	240	**2,500**	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/03/11	**2,400**	**4,900**	260	**2,800**	--	---	---	---	---	---	---	---	---	---	---	---	---
	04/30/12	**3,100**	**3,400**	200	**2,100**	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/05/12	**2,600**	**3,900**	220	**2,200**	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/28/12	**3,000**	**4,500**	250	**2,300**	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/25/12	**2,900**	**4,600**	260	**2,700**	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/15/12	**2,900**	**3,500**	270	**2,300**	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/23/12	**2,600**	**3,600**	270	**2,400**	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/25/12	**3,200**	**4,400**	280	**2,600**	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/28/12	**2,300**	**3,700**	230	**2,300**	--	---	---	---	---	---	---	---	---	---	---	---	---
	05/16/13	**2,800**	**4,900**	260	**2,600**	--	---	---	---	---	---	---	---	---	---	---	---	---

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Table 4-4 Summary of Water Treatment System Analyses
Transwestern Compressor Station No. 9 - Roswell, NM

Sample Point	Sampling Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (total) (ug/L)	GRO (Gasoline Range)	Acetone (ug/L)	2-Butanone (ug/L)	Remaining VOCs	Phosphorus (As P) (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Nitrate (NO3 as N) (mg/L)	Fluoride (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium mg/L)	Sodium (mg/L)
NMWQCC Standard:		5	1,000	700	620	none	none	none	NA	none	250	600	10.0	1.6	none	none	none	none
Pre-Treatment	06/17/13	**2,500**	**4,500**	260	**2,500**	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/17/13	**3,000**	**5,300**	270	**2,600**	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/31/14	**570**	**1,500**	< 100	**2,100**	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/25/14	**1,200**	**1,600**	110	**1,500**	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/17/14	**2,100**	**3,100**	180	**1,900**	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/15/14	**2,200**	**3,900**	200	**2,200**	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/15/15	**2,700**	**2,600**	160	**1,900**	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/27/15	**1,700**	**1,700**	< 100	**1,200**	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/20/15	**2,700**	**3,500**	160	**2,300**	--	---	---	---	---	---	---	---	---	---	---	---	---
	03/21/16	**1,500**	**2,200**	140	**2,300**	--	---	---	---	---	---	---	---	---	---	---	---	---
	04/20/16	**1,100**	**1,600**	100	**2,100**	--	---	---	---	---	---	---	---	---	---	---	---	---
	05/19/16	**960**	**1,100**	100	**2,000**	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/28/16	**2,100**	520	130	**970**	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/07/16	**2,000**	**2,400**	160	**1,800**	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/16	**1,500**	**2,500**	170	**2,200**	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/21/16	**1,900**	**2,400**	190	**2,200**	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/24/16	**1,100**	**1,200**	140	**1,600**	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/03/16	**1,700**	**3,000**	180	**2,400**	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/11/17	**5,200**	**7,000**	160	**2,700**	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/17	**3,600**	**3,800**	200	**1,500**	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/25/17	**4,300**	**5,700**	250	**2,200**	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/23/17	**4,400**	**5,200**	200	**2,300**	--	---	---	---	---	---	---	---	---	---	---	---	---
	11/27/17	**4,400**	**5,300**	200	**2,200**	--	---	---	---	---	---	---	---	---	---	---	---	---
	06/28/18	**1,900**	**1,600**	120	**1,000**	--	---	---	---	---	---	---	---	---	---	---	---	---
	07/23/18	**3,000**	**2,300**	200	**1,800**	--	---	---	---	---	---	---	---	---	---	---	---	---
	08/13/18	**3,800**	**3,600**	280	**2,100**	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/19/18	**4,100**	**4,300**	250	**2,200**	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/18/18	**3,900**	**5,400**	260	**2,700**	--	---	---	---	---	---	---	---	---	---	---	---	---
	09/16/19	**4,600**	**5,400**	240	**2,300**	--	---	---	---	---	---	---	---	---	---	---	---	---
	10/29/19	**4,500**	**5,000**	190	**2,200**	--	---	---	---	---	---	---	---	---	---	---	---	---
	05/31/20	**3,100**	**4,500**	170	**2,200**	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/25/20	**2,800**	**3,800**	180	**2,000**	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/21/20	**3,000**	**4,400**	230	**2,500**	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/26/20	**2,700**	**4,800**	170	**2,900**	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/13/21	**890**	**1,800**	85	**2,400**	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/25/21	**760**	**1,100**	**<50**	**2,000**	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/15/21	**2,400**	**3,200**	140	**2,600**	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/22/21	**840**	**1,300**	60	**1,500**	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/17/21	**710**	500	53	**970**	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/15/21	**2,900**	**2,800**	180	**1,700**	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/14/21	**3,200**	**3,600**	150	**1,900**	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/30/21	**3,200**	**3,300**	160	**1,800**	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/09/22	**1,300**	**2,400**	110	**2,200**	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/21/22	**1,100**	**1,100**	120	**1,500**	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/23/22	**820**	**1,300**	150	**1,400**	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/14/22	**2,800**	470	170	610	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/22	**2,600**	**2,400**	160	**1,700**	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/27/22	**1,500**	**1,700**	170	**1,700**	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/29/22	**810**	**1,700**	180	**1,700**	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/20/22	**210**	390	27	450	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
ug/L = micrograms per liter
NT = Not Tested
Concentrations are reported in ug/L except as noted.
Bold - Concentrations exceed the NMWQCC standard
Historical data before 2009 is presented in previous reports.
8/17/2021* - Post-treatment anions unable to be analyzed to due laboratory error

Prepared by: SWS 12/5/2022
Checked by: JDD 3/14/2023

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Table 4-5. Summary of Air Stripper Vapor Monitoring
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Prior to Carbon (ppmV)	Between Carbon Vessels (ppmV)	After Carbon Vessels (ppmV)
2/16/2022	61.0	1.7	0.8
3/9/2022	70.2	2.8	0.4
5/23/2022	25.5	1.2	0.6
7/14/2022	37.5	1.5	1.2
7/31/2022	18.7	0.5	0.3
8/15/2022	14.2	1.0	0.8
8/22/2022	5.5	0.6	0.9
9/7/2022	3.8	0.6	0.2
9/27/2022	15.6	1.7	0.6
12/3/2022	0.0	0.0	0.0

Notes:
ppmV - parts per million per volume

Prepared by: JDD 1/26/2023
Checked by: SD 3/17/2023

Released to Imaging: 6/7/2024 10:32:31 AM

Table 4-6. Historical Hydrocarbon Removal Summary
Transwestern Compressor Station No. 9 - Roswell, NM

Year	Extracted Groundwater (gals)	PSH Recovered (gal)	PSH Recovered (lbs)	Dissolved-Phase Mass Removed (lbs)	Vapor-Phase Mass Removal (lbs)
2016	137,650	350	2,216	5.35	2,026
2017	90,550	1,550	9,812	8.60	3,038
2018	41,420	1,330	8,419	3.12	8,356
2019	24,080	1,550	9,812	2.58	5,760
2020	97,400	940	5,950	8.07	2,918
2021	144,900	342	2,166	5.75	1,980
2022	94,300	470	2,975	4.27	1,023

Notes:
gals - gallons
PSH - phase separated hydrocarbons

Prepared by: JDD 2/13/2023
Checked by: SD 3/17/2023

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Table 4-7 Perched Aquifer Wells Bailing Results
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Time	Well Number	Depth to Water (ft)	Depth to PSH (ft)	PSH Thickness (ft)	Gallons PSH	Notes
3/18/2022	7:50	SVE-23	34.10	33.15	0.95	0.15	No time given for start of bailing in field notes
	7:55		33.10	--			Bailed 2 gallons, Cumulative PSH Removed = 0.15 gal
3/19/2022	8:10	SVE-23	33.60	33.00	0.60		Rebound of 0.60 ft PSH
3/20/2022	6:50	SVE-23	33.75	32.95	0.80		Rebound of 0.20 ft PSH
3/21/2022	7:20	SVE-23	33.40	32.90	0.50		Rebound of -0.30 ft PSH
4/4/2022	10:37	SVE-23	34.50	33.23	1.27	0.20	No time given for start of bailing in field notes
	10:54		33.90	--			Bailed 1.5 gallons, Cumulative PSH Removed = 0.35 gal
8/16/2022	9:33	SVE-23	33.90	32.98	0.92	0.15	
	9:35						Started bailing with 1.8" x 30" poly disposible bailer
	9:40		33.10	--			Bailed 2 gallons, Cumulative PSH Removed = 0.50 gal
8/17/2022	6:42	SVE-23	33.66	33.00	0.66		Rebound of 0.66 ft PSH
8/18/2022	6:30	SVE-23	33.66	33.00	0.66		Rebound of 0.00 ft PSH
8/19/2022	6:25	SVE-23	33.60	32.99	0.61		Rebound of -0.05 ft PSH
8/20/2022	9:24	SVE-23	33.35	32.60	0.75		Rebound of 0.14 ft PSH
	9:26						Started bailing with 1.8" x 30" poly disposible bailer
	9:36		32.85	--			Bailed 2 gallons, Cumulative PSH Removed = 0.62 gal
9/7/2022	9:50	SVE-23	33.35	32.40	0.95	0.15	
	10:00						Started bailing with 1.8" x 30" poly disposible bailer
	10:05		32.60	--			Bailed 2 gallons, Cumulative PSH Removed = 0.77 gal
9/12/2022	10:00	SVE-23	32.70	32.45	0.25	0.04	Started bailing with 1.8" x 30" poly disposible bailer
	10:05		32.60	--			Bailed 2 gallons, Cumulative PSH Removed = 0.81 gal
9/13/2022	8:55	SVE-23	33.45	32.45	1.00		Rebound of 1.00 ft PSH
9/14/2022	10:05	SVE-23	33.50	32.45	1.05		Rebound of 0.05 ft PSH
9/15/2022	10:07	SVE-23	34.70	32.50	2.20		Rebound of 1.15 ft PSH
9/19/2022	7:08	SVE-23	33.15	32.45	0.70	0.11	
	7:10						Started bailing with 1.8" x 30' poly disposable bailer
	7:15		32.65	--			Bailed 2 gallons, Cumulative PSH Removed = 0.92 gal
9/20/2022	7:00	SVE-23	32.95	32.48	0.47		Rebound of 0.47 ft PSH
9/21/2022	6:46	SVE-23	32.95	32.51	0.44		Rebound of -0.03 ft PSH
9/22/2022	9:20	SVE-23	33.10	32.53	0.57		Rebound of 0.13 ft PSH
9/26/2022	6:57	SVE-23	34.95	32.55	2.40	0.38	
	7:00						Started bailing with 1.8" x 3.0" poly disposable bailer
	7:05		32.65	--			Bailed 2 gallons, Cumulative PSH Removed = 1.30 gal
10/17/2022	7:40	SVE-23	33.10	32.65	0.45	0.07	
	7:42						Started bailing with 1.8" x 3.0" poly disposable bailer
	7:48		32.65	"--			Bailed 2 gallons, Cumulative PSH Removed = 1.37 gal
10/18/2022	9:20	SVE-23	32.99	32.66	0.33		Rebound of 0.33 ft PSH
10/19/2022	7:35	SVE-23	32.90	32.70	0.20		Rebound of -0.13 ft PSH
10/24/2022	7:40	SVE-23	33.35	32.65	0.70	0.11	
	7:42						Started bailing with 1.8" x 3.0" poly disposable bailer
	7:45		32.40	--			Bailed 2 gallons, Cumulative PSH Removed = 1.48 gal
10/25/2022	7:00	SVE-23	33.00	32.85	0.15	0.02	
11/30/2022	12:05	SVE-23	33.00	32.85	0.15	0.02	
	12:12						Started bailing with 1.8" x 3.0" poly disposable bailer
	12:13		33.10	--			Cumulative PSH Removed = 1.50 gal
12/1/2022	8:05	SVE-23	33.30	32.82	0.48		Rebound of 0.48 ft PSH
12/2/2022	7:36	SVE-23	33.92	32.82	1.10		Rebound of 0.62 ft PSH
12/3/2022	7:35	SVE-23	33.90	32.90	1.00		Rebound of -0.10 ft PSH
12/5/2022	10:00	SVE-23	33.35	32.85	0.50	0.08	
	10:01						Started bailing with 1.8" x 3.0" poly disposable bailer
	10:05		33.00	--			Cumulative PSH Removed = 1.58 gal
12/6/2022	7:00	SVE-23	33.35	32.86	0.49		Rebound of 0.49 ft PSH
12/7/2022	7:50	SVE-23	33.20	32.86	0.34		Rebound of -0.15 ft PSH
12/8/2022	7:00	SVE-23	33.35	32.86	0.49		Rebound of 0.15 ft PSH

Prepared by:JDD:3/14/2023
Checked by: SD 3/17/2023

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Table 4-8 Temperature Log for Groundwater System Operation
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Temperature High °F	Temperature Low °F	Groundwater System	Comments
10/1/2021	75	55	On	
10/2/2021	80	50	On	
10/3/2021	83	52	On	
10/4/2021	87	54	On	
10/5/2021	89	54	On	
10/6/2021	85	55	On	
10/7/2021	91	53	On	
10/8/2021	95	53	On	
10/9/2021	99	57	On	
10/10/2021	81	45	On	
10/11/2021	85	41	On	
10/12/2021	90	56	On	
10/13/2021	81	45	On	
10/14/2021	80	44	On	
10/15/2021	69	45	On	
10/16/2021	71	38	On	
10/17/2021	75	41	On	
10/18/2021	84	51	On	
10/19/2021	88	46	On	
10/20/2021	81	45	On	
10/21/2021	84	43	On	
10/22/2021	86	48	On	
10/23/2021	91	53	On	
10/24/2021	85	51	On	
10/25/2021	93	48	On	
10/26/2021	87	51	On	
10/27/2021	72	53	On	
10/28/2021	74	41	On	
10/29/2021	73	40	On	
10/30/2021	88	39	On	
10/31/2021	71	47	On	
11/1/2021	69	42	On	
11/2/2021	58	45	On	
11/3/2021	56	40	On	
11/4/2021	66	36	On	
11/5/2021	79	31	On	
11/6/2021	80	40	On	
11/7/2021	83	38	On	
11/8/2021	79	43	Off	GW Sampling Event
11/9/2021	80	44	Off	
11/10/2021	78	43	Off	
11/11/2021	70	46	Off	
11/12/2021	63	37	Off	
11/13/2021	76	32	Off	
11/14/2021	76	40	Off	
11/15/2021	86	36	Off	
11/16/2021	84	38	Off	
11/17/2021	66	38	Off	
11/18/2021	53	27	Off	
11/19/2021	66	28	Off	GW Sampling Event
11/20/2021	76	34	Off	
11/21/2021	60	38	Off	
11/22/2021	67	25	Off	
11/23/2021	70	32	Off	

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Table 4-8 Temperature Log for Groundwater System Operation
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Temperature High °F	Temperature Low °F	Groundwater System	Comments
11/24/2021	73	49	Off	GW System Off for Repairs
11/25/2021	55	37	Off	
11/26/2021	64	29	Off	
11/27/2021	64	43	Off	
11/28/2021	65	34	Off	
11/29/2021	74	32	Off	
11/30/2021	77	32	Off	
12/1/2021	74	31.0	Off	GW System Off for Repairs
12/2/2021	75	33.0	Off	
12/3/2021	82	36.0	On	
12/4/2021	62	38.0	Off	
12/5/2021	79	29.0	Off	
12/6/2021	51	30.0	Off	
12/7/2021	54	30.0	Off	
12/8/2021	64	31.0	Off	
12/9/2021	76	36.0	Off	
12/10/2021	68	42.0	Off	
12/11/2021	53	27.0	Off	
12/12/2021	64	19.0	Off	
12/13/2021	67	26.0	Off	
12/14/2021	77	31.0	Off	
12/15/2021	80	43.0	Off	
12/16/2021	60	33.0	Off	
12/17/2021	60	35.0	Off	
12/18/2021	50	31.0	Off	
12/19/2021	54	22.0	Off	
12/20/2021	71	19.0	Off	
12/21/2021	69	26.0	Off	
12/22/2021	77	39.0	Off	
12/23/2021	78	34.0	Off	
12/24/2021	81	51.0	Off	
12/25/2021	73	40.0	Off	
12/26/2021	82	39.0	Off	
12/27/2021	70	33.0	Off	
12/28/2021	66	36.0	Off	
12/29/2021	64	33.0	Off	
12/30/2021	63	31.0	Off	
12/31/2021	59	47.0	Off	
1/1/2022	62	19	Off	Winterization of GW system and Long Duration of Freezing Temp
1/2/2022	46	10	Off	
1/3/2022	52	17	Off	
1/4/2022	67	16	Off	
1/5/2022	64	27	Off	
1/6/2022	44	27	Off	
1/7/2022	58	20	Off	
1/8/2022	76	27	Off	
1/9/2022	50	28	Off	
1/10/2022	52	21	Off	
1/11/2022	58	30	Off	
1/12/2022	65	25	Off	
1/13/2022	68	27	Off	
1/14/2022	76	30	Off	
1/15/2022	51	27	Off	
1/16/2022	69	19	Off	

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Table 4-8 Temperature Log for Groundwater System Operation
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Temperature High °F	Temperature Low °F	Groundwater System	Comments
1/17/2022	63	23	Off	Winterization of GW system and Long Duration of Freezing Temp
1/18/2022	71	34	Off	
1/19/2022	51	32	Off	
1/20/2022	36	23	Off	
1/21/2022	54	14	Off	
1/22/2022	48	23	Off	
1/23/2022	53	25	Off	
1/24/2022	63	27	Off	
1/25/2022	56	28	Off	
1/26/2022	42	21	Off	
1/27/2022	53	21	Off	
1/28/2022	53	23	Off	
1/29/2022	61	19	Off	
1/30/2022	56	26	Off	
1/31/2022	69	23	Off	
2/1/2022	60	33	Off	
2/2/2022	39	16	Off	
2/3/2022	29	8	Off	
2/4/2022	44	4	Off	
2/5/2022	53	14	Off	
2/6/2022	57	21	Off	
2/7/2022	55	21	Off	
2/8/2022	71	17	On	
2/9/2022	69	29	On	
2/10/2022	63	32	On	
2/11/2022	70	27	On	
2/12/2022	46	27	On	
2/13/2022	63	22	Off	System Off for Frozen Repairs
2/14/2022	73	25	Off	
2/15/2022	82	29	Off	
2/16/2022	76	40	On	
2/17/2022	49	28	On	
2/18/2022	62	19	On	
2/19/2022	67	27	On	
2/20/2022	78	29	On	
2/21/2022	75	35	On	
2/22/2022	73	32	On	
2/23/2022	37	17	Off	Long Duration of Freezing Temp
2/24/2022	50	15	Off	
2/25/2022	51	24	Off	
2/26/2022	53	18	Off	
2/27/2022	59	26	Off	
2/28/2022	62	27	Off	
10/1/2022	88	56	On	
10/2/2022	86	60	On	
10/3/2022	83	56	On	
10/4/2022	83	60	On	
10/5/2022	75	61	On	
10/6/2022	74	59	On	
10/7/2022	73	59	On	
10/8/2022	68	57	On	
10/9/2022	66	57	Off	Maintenance
10/10/2022	71	55	Off	
10/11/2022	83	51	On	

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Table 4-8 Temperature Log for Groundwater System Operation
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Temperature High °F	Temperature Low °F	Groundwater System	Comments
10/12/2022	82	56	Off	Maintenance
10/13/2022	77	50	On	
10/14/2022	79	51	On	
10/15/2022	80	55	On	
10/16/2022	63	52	On	
10/17/2022	55	51	On	
10/18/2022	60	49	On	
10/19/2022	73	43	On	
10/20/2022	80	46	On	
10/21/2022	85	43	On	
10/22/2022	81	53	On	
10/23/2022	81	61	On	
10/24/2022	64	39	On	
10/25/2022	69	33	On	
10/26/2022	75	40	On	
10/27/2022	77	42	On	
10/28/2022	66	41	On	
10/29/2022	68	40	On	
10/30/2022	71	41	On	
10/31/2022	72	44	On	
11/1/2022	77	41	Off	GW Sampling Event
11/2/2022	80	49	Off	
11/3/2022	81	49	Off	
11/4/2022	62	40	Off	
11/5/2022	72	35	Off	
11/6/2022	82	39	Off	
11/7/2022	67	43	Off	
11/8/2022	78	58	Off	
11/9/2022	84	58	Off	
11/10/2022	69	45	Off	
11/11/2022	52	33	Off	
11/12/2022	56	27	Off	
11/13/2022	61	29	Off	
11/14/2022	49	29	Off	
11/15/2022	50	24	Off	
11/16/2022	48	30	Off	
11/17/2022	57	22	Off	
11/18/2022	39	31	Off	
11/19/2022	41	31	Off	
11/20/2022	51	23	Off	
11/21/2022	59	26	Off	
11/22/2022	58	24	Off	
11/23/2022	65	28	On	
11/24/2022	50	36	On	
11/25/2022	43	34	On	
11/26/2022	60	34	On	
11/27/2022	59	34	On	
11/28/2022	55	29	On	
11/29/2022	70	32	On	
11/30/2022	44	25	Off	Extended Freezing Temps
12/1/2022	55	27	Off	Extended Freezing Temps
12/2/2022	80	34	On	
12/3/2022	50	35	On	
12/4/2022	58	38	On	

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Table 4-8 Temperature Log for Groundwater System Operation
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Temperature High °F	Temperature Low °F	Groundwater System	Comments
12/5/2022	79	44	On	
12/6/2022	75	43	On	
12/7/2022	57	48	On	
12/8/2022	67	39	On	
12/9/2022	55	39	On	
12/10/2022	66	34	On	
12/11/2022	64	30	On	
12/12/2022	70	42	On	
12/13/2022	54	37	On	
12/14/2022	55	28	On	
12/15/2022	52	26	On	
12/16/2022	51	27	On	
12/17/2022	50	18	On	
12/18/2022	45	26	On	
12/19/2022	63	24	On	
12/20/2022	51	24	On	
12/21/2022	54	28	On	
12/22/2022	31	12	On	
12/23/2022	22	11	Off	Extended Freezing Temps
12/24/2022	41	14	Off	
12/25/2022	54	19	Off	
12/26/2022	57	28	Off	
12/27/2022	70	26	Off	
12/28/2022	68	48	Off	System Frozen
12/29/2022	63	35	Off	
12/30/2022	61	35	Off	
12/31/2022	70	35	On	
1/1/2023	71	37	On	
1/2/2023	62	42	On	
1/3/2023	58	35	On	
1/4/2023	63	33	On	
1/5/2023	64	28	On	
1/6/2023	76	34	On	
1/7/2023	57	31	On	
1/8/2023	64	26	On	
1/9/2023	69	27	On	
1/10/2023	76	37	On	
1/11/2023	70	40	On	
1/12/2023	58	34	On	
1/13/2023	62	27	On	
1/14/2023	75	29	On	
1/15/2023	71	48	On	
1/16/2023	68	36	On	
1/17/2023	62	38	On	
1/18/2023	56	31	On	
1/19/2023	54	28	On	
1/20/2023	63	25	On	
1/21/2023	55	22	On	
1/22/2023	54	19	On	
1/23/2023	50	30	On	
1/24/2023	46	31	On	
1/25/2023	49	28	On	
1/26/2023	44	25	On	
1/27/2023	54	21	On	

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Table 4-8 Temperature Log for Groundwater System Operation
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Temperature High °F	Temperature Low °F	Groundwater System	Comments
1/28/2023	67	23	On	
1/29/2023	59	27	On	
1/30/2023	33	28	On	
1/31/2023	31	24	On	
2/1/2023	37	24	On	
2/2/2023	59	21	On	
2/3/2023	62	26	On	
2/4/2023	67	28	On	
2/5/2023	77	27	On	
2/6/2023	74	38	On	
2/7/2023	44	36	On	
2/8/2023	62	29	On	
2/9/2023	50	27	On	
2/10/2023	50	20	On	
2/11/2023	59	19	On	
2/12/2023	62	30	On	
2/13/2023	61	34	On	
2/14/2023	66	37	On	
2/15/2023	60	27	On	
2/16/2023	44	20	On	
2/17/2023	50	16	On	
2/18/2023	65	27	On	
2/19/2023	69	36	On	
2/20/2023	78	46	On	
2/21/2023	73	46	On	
2/22/2023	68	42	On	
2/23/2023	69	33	On	
2/24/2023	58	29	On	
2/25/2023	63	34	On	
2/26/2023	82	37	On	
2/27/2023	70	27	On	
2/28/2023	77	33	On	

Notes:
Temperatures reported in degrees fahrenheit.

Souce: Accuweather

Prepared by: JDD 3/16/2023
Checked by: SD 3/16/2023

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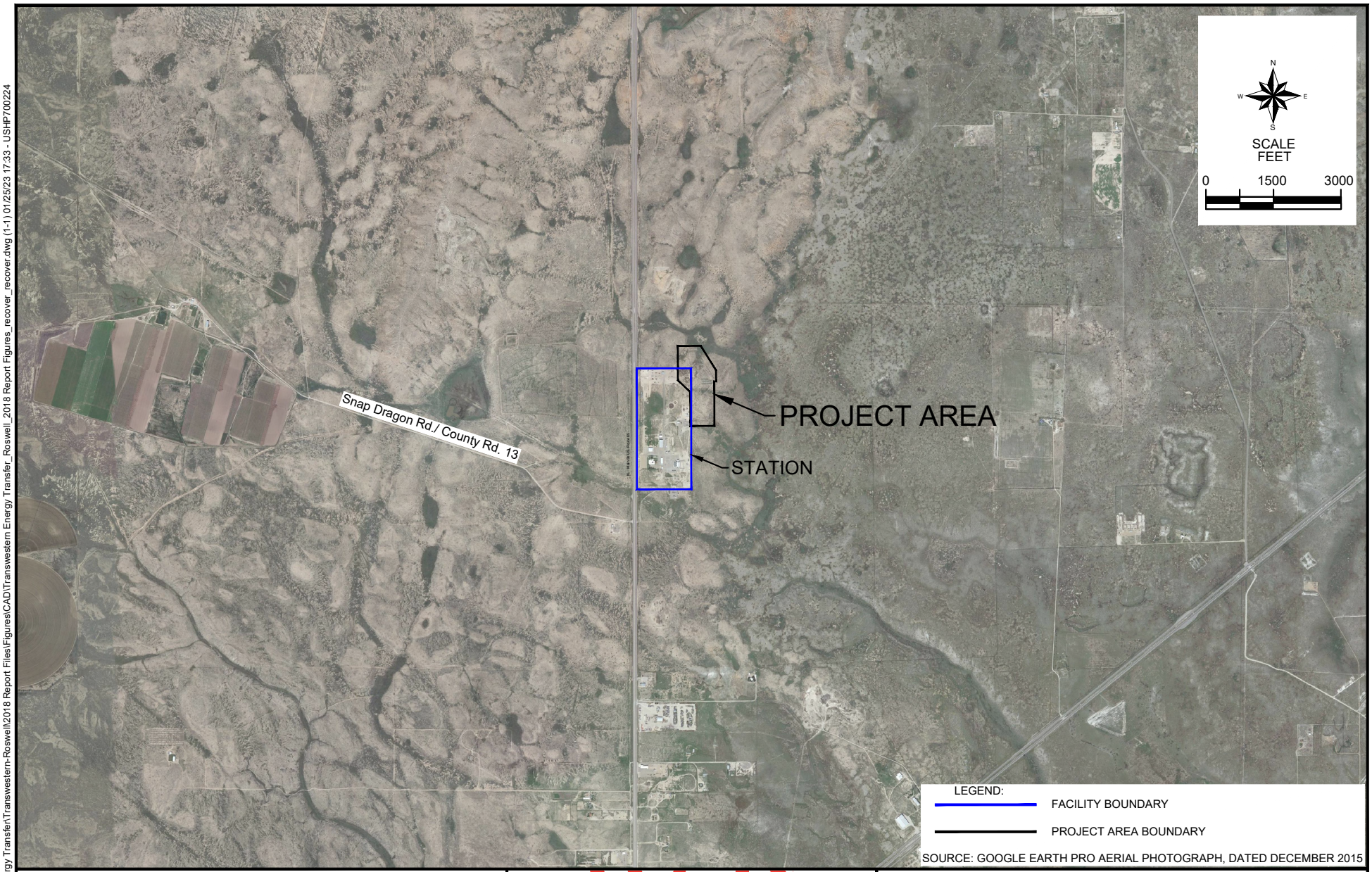
Table 4-9 Pulse Pumping Pilot Study Results
Transwestern Compressor Station No. 9 - Roswell, NM

Date	Time	Time Elapsed	Well Number	Depth to Water (ft)	Depth to PSH (ft)	PSH Thickness (ft)	Gallons PSH	Notes
5/22/2022	16:22	--	MPE-14		-	-		Turned off Vacuum and air to pump
5/23/2022	7:57	--	MPE-14	68.42	65.90	2.52	1.638	Gauged well
	8:56	--						Started Pumping
	9:03	7 Seconds						Pumped 2 gallons until clear/no PSH
		--						Pumping rate = 2/6 = 0.30 gpm
		--						Shut Air and Vacuum Off
5/24/2022	8:00	22 hours 57 minutes	MPE-14	68.90	65.90	3.00		Rebound to original thickness/PSH in well
5/25/2022	8:47	--	MPE-14	68.47	66.05	2.42		Original thickness/PSH in well
5/26/2022	7:23	--	MPE-14	68.37	66.00	2.37		Original thickness/PSH in well
	7:30							Re-started Vacuum and Pump
9/10/2022	8:10	--						Shut wells off
9/12/2022	9:45	--	MPE-38	70.22	69.78	0.44	0.286	
	9:49	--						Started Pumping
	9:49:30	30 seconds						Pumped 1 gallon until clear/no PSH visible
9/13/2022	8:50	23 hours	MPE-38	69.85	69.66	0.19		Not back to original thickness
9/14/2022	10:00	48 hours 10 minutes	MPE-38	69.90	69.57	0.33		Not back to original thickness
9/15/2022	9:00	71 hours 10 minutes	MPE-38	69.90	69.46	0.44		Rebounded to original thickness
	10:03	--						Re-started MPE-38
9/15/2022	9:16	--	MPE-32	61.75	61.58	0.17	0.111	Had to pull pump to gauge well
	9:47	--	MPE-32					Started pumping MPE-32
	9:47:30	30 seconds	MPE-32					Pumped 1 gallon until clear/no PSH visible
9/16/2022	9:35	23 hours 48 minutes	MPE-32	61.65	61.10	0.55		Not back to original thickness (level flucuation)
9/17/2022	8:56	47 hours 9 minutes	MPE-32	61.65	61.54	0.11		Not back to original thickness
9/18/2022	7:30	69 hours 43 minutes	MPE-32	61.75	61.53	0.22		Rebounded to original levels/Restarted MPE-32
9/22/2022	9:13	--	MPE-41	58.70	58.60	0.10	0.065	
	9:24	--						Started pumping MPE-41
	9:24:30	30 seconds						Pumped 1 gallon until clear/no PSH visible
9/23/2022	7:06	21 hours 42 minutes	MPE-41	58.45	58.04	0.41		Not back to original thickness (level flucuation)
9/24/2022	7:21	45 hours 57 minutes	MPE-41	58.37	58.30	0.07		Rebounded to original thickness
9/25/2022	7:07	69 hours 44 minutes	MPE-41	58.45	58.35	0.10		Original thickness
9/26/2022	6:57	--	MPE-41					Restart MPE-41
3/13/2023	9:45	--	MPE-10	70.20	68.74	1.46	0.953	
	9:49	--						Started pumping MPE-10
	10:05	--						Pumped one cycle, then stopped, pulled pump, PSH below pump intake
	10:12	--						Started bailing with stainless steel bailer
	10:23	18 minutes						Bailed 3 gallons until clear/no PSH visible
3/14/2023	7:36	21 hours 13 minutes	MPE-10	68.15	67.60	0.55		Not back to original thickness
3/15/2023	6:53	44 hours 30 minutes	MPE-10	68.32	67.77	0.55		Not back to original thickness
3/16/2023	7:18	68 hours 55 minutes	MPE-10	68.30	67.37	0.93		Not back to original thickness
3/17/2023	6:53	92 hours 30 minutes	MPE-10	68.45	67.38	1.07		Not back to original thickness/Restart MPE-10
3/13/2023	11:00	--	MPE-12	66.75	66.22	0.53	0.346	
	11:07	--						No pump for MPE-12, begin bailing with stainless steel bailer
	11:12	5 minutes						Bailed 3 gallons until clear/no PSH visible
3/14/2023	7:40	20 hours 28 minutes	MPE-12	66.71	66.27	0.44		Rebound to original thickness
3/15/2023	6:57	43 hours 45 minutes	MPE-12	66.70	66.23	0.47		Rebound to original thickness
3/16/2023	7:23	68 hours 11 minutes	MPE-12	66.45	66.11	0.34		Rebound to original thickness
3/17/2023	6:58	91 hours 46 minutes	MPE-12	66.60	66.20	0.40		Rebound to original thickness
3/13/2023		--	MPE-16	67.02	--	0.00	0	No PSH in well
3/14/2023	7:43	--	MPE-16	66.96	66.93	0.03		
3/15/2023	7:01	--	MPE-16	66.98	66.95	0.03		
3/16/2023	7:27	--	MPE-16	66.85	66.80	0.05		
3/17/2023	7:02	--	MPE-16	66.95	66.86	0.09		
3/13/2023	11:35	--	MPE-20	68.45	67.67	0.78	0.509	
	11:40	--						Pump inlet above PSH level, bailed with stainless steel bailer
3/13/2023	11:49	9 minutes	MPE-20					Bailed 4 gallons until clear/no PSH visible
3/14/2023	7:47	19 hours 58 minutes	MPE-20	66.70	66.61	0.09		Not back to original thickness
3/15/2023	7:05	43 hours 16 minutes	MPE-20	66.78	66.45	0.33		Not back to original thickness
3/16/2023	7:30	68 hours 41 minutes	MPE-20	65.50	65.03	0.47		Not back to original thickness
3/17/2023	7:06	91 Hours 17 minutes	MPE-20	65.65	65.05	0.60		Rebounded to original thickness/Restart MPE-20

Prepared by: JDD 3/17/2023
Checked by: SD 3/17/2023

Released to Imaging: 6/7/2024 10:32:31 AM

FIGURES



REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No. 9
(ROSWELL COMPRESSOR STATION)
ROSWELL, CHAVES COUNTY, NEW MEXICO

PROJECT NO. EC02.20180005.00

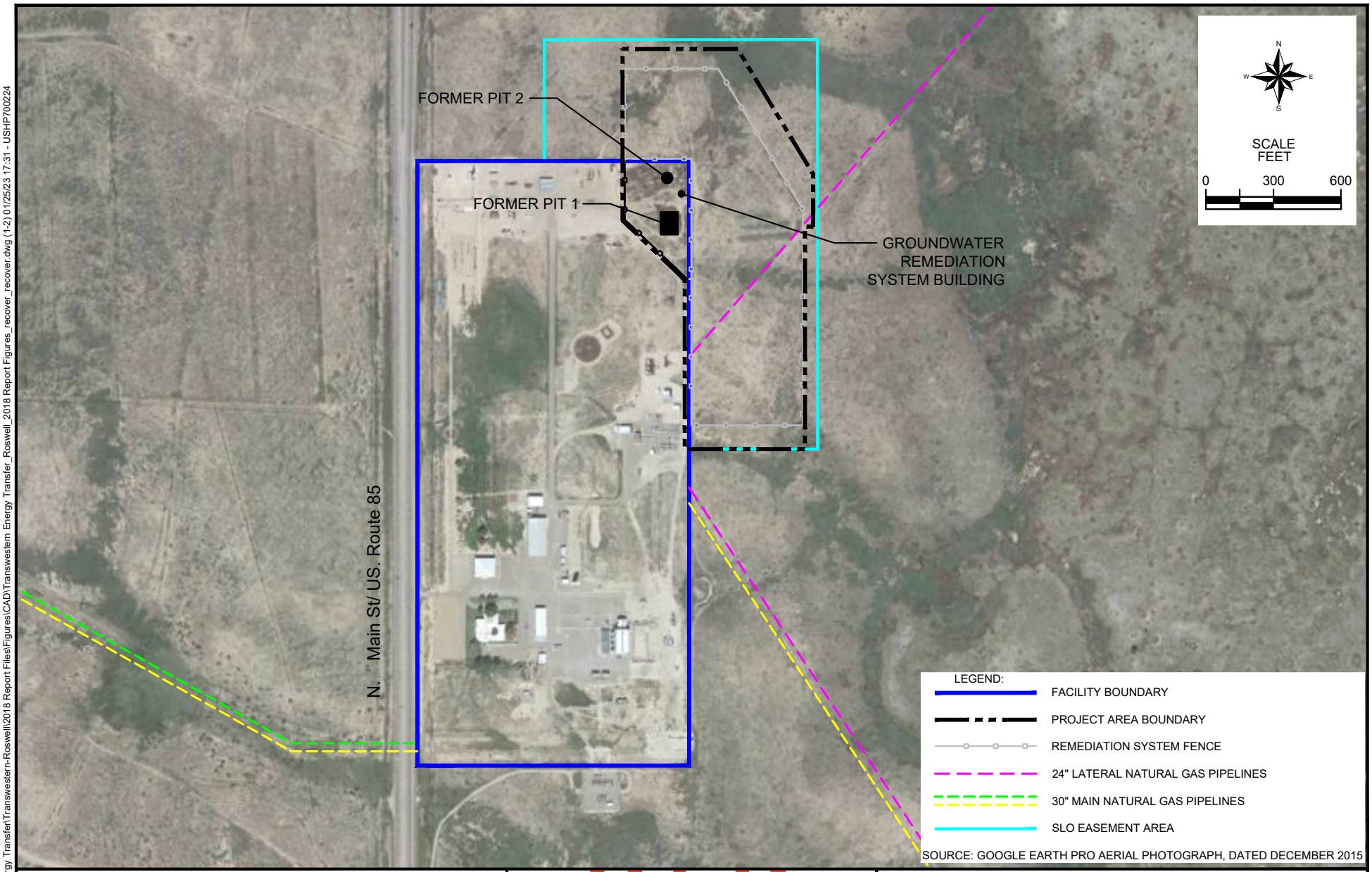
WSP USA, Inc.

1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

PROJECT AREA LOCATION MAP

DRAWN:	CHECKED:	DATE:	FIGURE:
HVP	JDD	1/24/23	1-1

FILENAME: S:\Premier\Projects\Energy Transfer\Transwestern-Roswell\2018 Report Files\Figures\CAD\Transwestern Energy Transfer_Roswell_2018 Report Figures_recover_recover.dwg (1-1) 01/25/23 17:33 - USHP700224



REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No. 9
(ROSWELL COMPRESSOR STATION)
ROSWELL, CHAVES COUNTY, NEW MEXICO

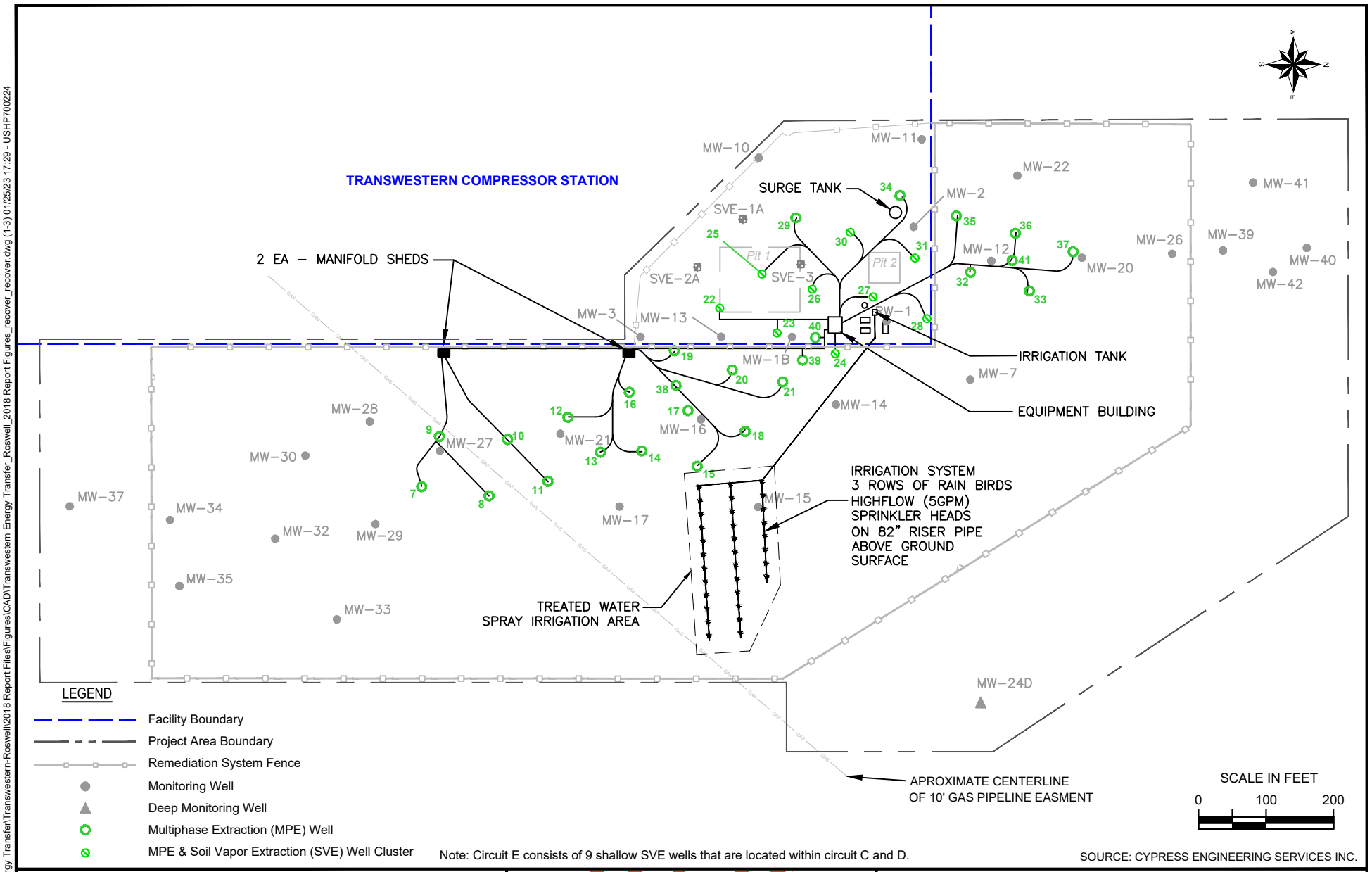
PROJECT NO. EC02.20180005.00

EarthCon Consultants, Inc.
1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

PROJECT AREA FEATURES

DRAWN:	CHECKED:	DATE:	FIGURE:
HVP	JDD	1/24/23	1-2

FILENAME:S:\Premier\Projects\Energy Transfer\Transwestern-Roswell\2018 Report Files\Figures\CAD\Transwestern Energy Transfer_Roswell_2018 Report Figures_recover_recover.dwg (1-2) 01/25/23 17:31 - USHP700224



Note: Circuit E consists of 9 shallow SVE wells that are located within circuit C and D.

SOURCE: CYPRESS ENGINEERING SERVICES INC.

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No. 9
(ROSWELL COMPRESSOR STATION)
ROSWELL, CHAVES COUNTY, NEW MEXICO

PROJECT NO. EC02.20180005.00

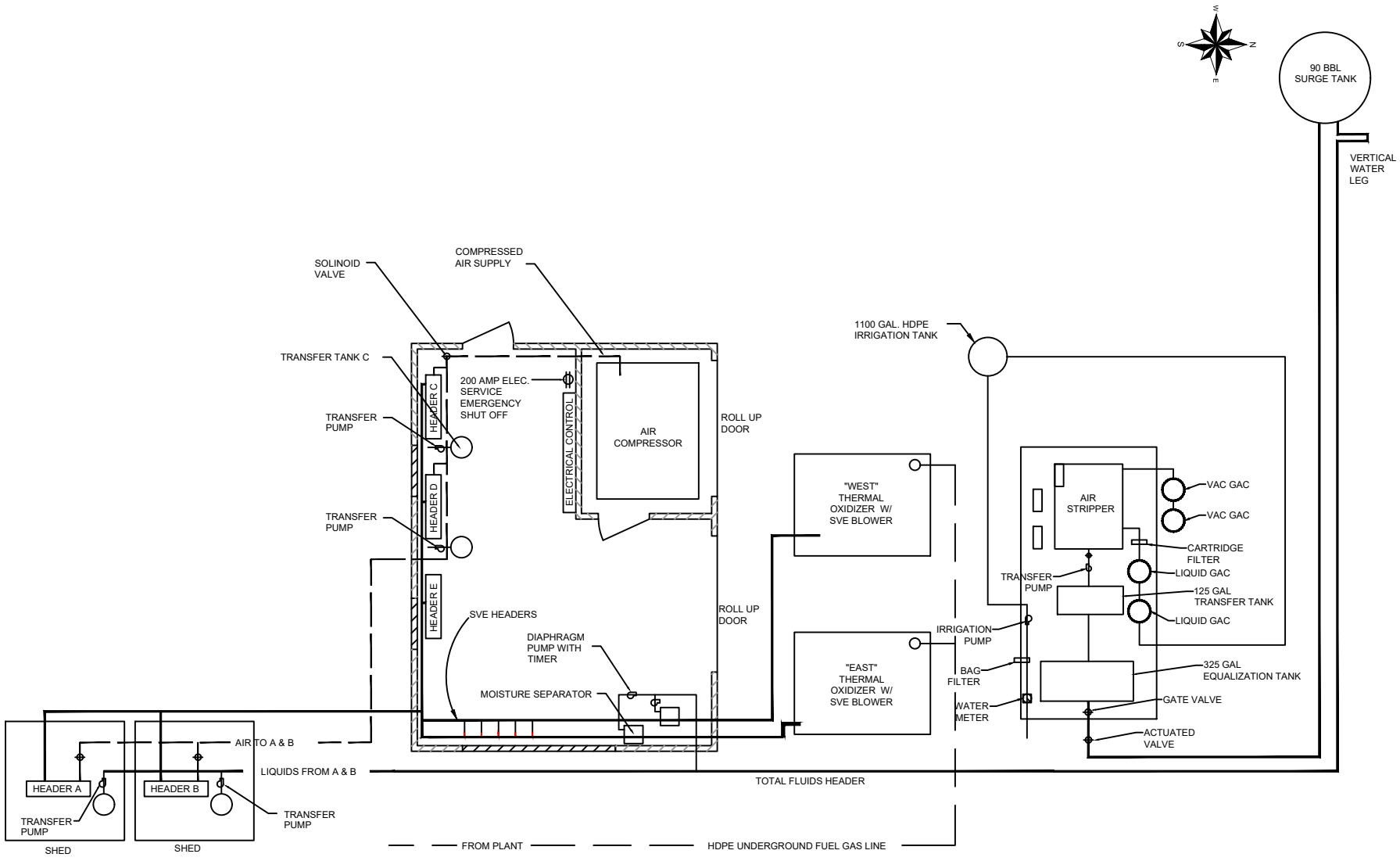
WSP USA

1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

REMEDIATION SYSTEM LAYOUT

DRAWN:	CHECKED:	DATE:	FIGURE:
HVP	JDD	1/24/23	1-3

FILENAME:S:\Premier\Projects\Energy Transfer\Transwestern-Roswell\2018 Report Files\Figures\CAD\Transwestern Energy Transfer_Roswell_2018 Report Figures_recover_recover.dwg (1-3) 01/25/23 17:29 - USHP700224



(NOT TO SCALE)

SOURCE: CYPRESS ENGINEERING SERVICES INC.

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No. 9
(ROSWELL COMPRESSOR STATION)
ROSWELL, CHAVES COUNTY, NEW MEXICO

PROJECT NO. EC02.20180005.00

WSP USA

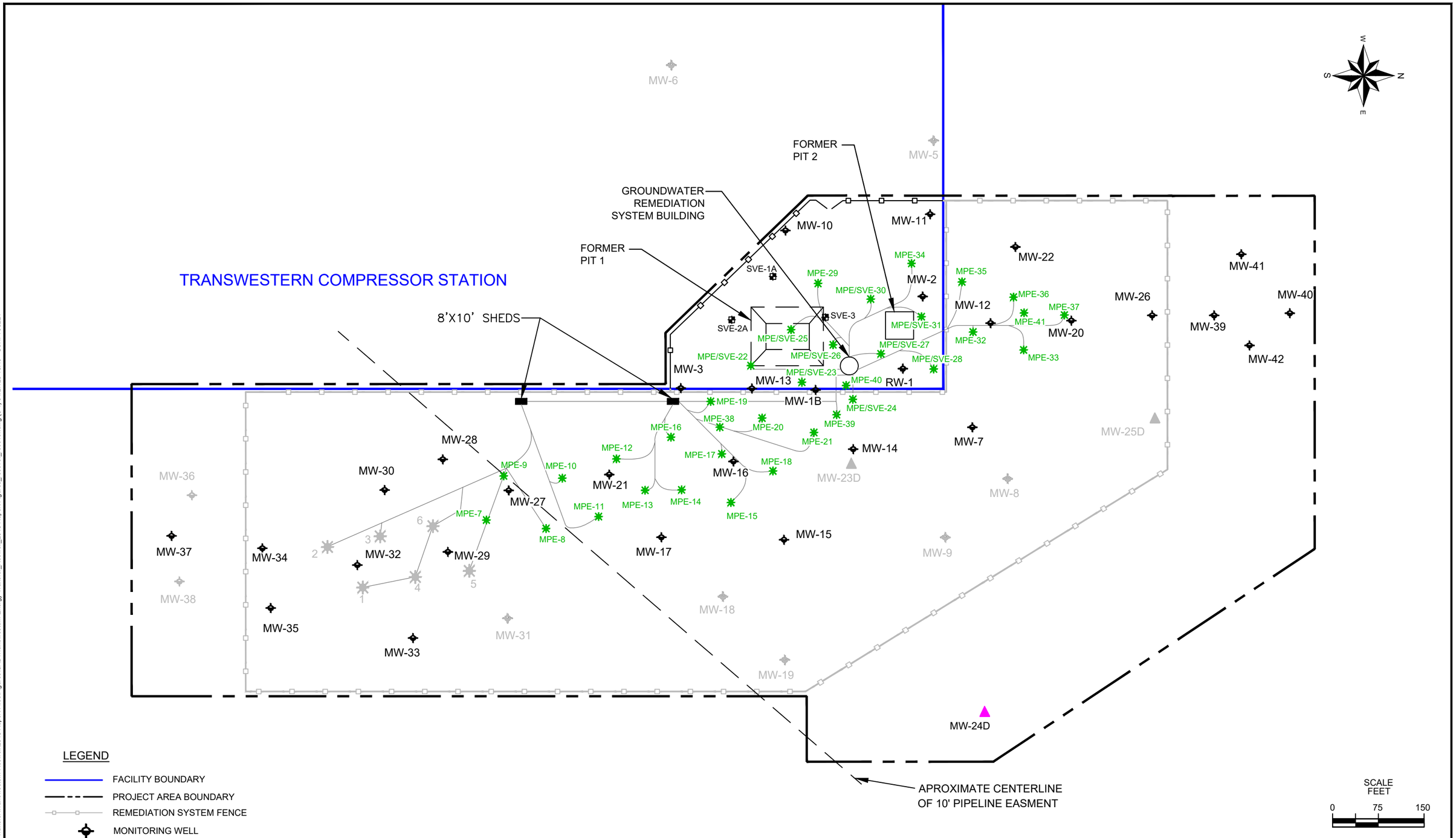
1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

REMEDIATION SYSTEM
EQUIPMENT COMPOUND DETAIL

DRAWN:	CHECKED:	DATE:	FIGURE:
HVP	JDD	01/24/23	1-4

FILENAME:S:\Premier\Projects\Energy Transfer\Transwestern-Roswell\2018 Report Files\Figures\CAD\Transwestern Energy Transfer_Roswell_2018 Report Figures_recover_recover.dwg (1-4) 01/25/23 17:28 - USHP700224

Page 124 of 693



LEGEND

- FACILITY BOUNDARY
- PROJECT AREA BOUNDARY
- REMEDIATION SYSTEM FENCE
- MONITORING WELL
- MULTIPHASE EXTRACTION WELL
- DEEP MONITORING WELL
- MONITORING/MULTIPHASE EXTRACTION WELL PLUGGED AND ABANDONED IN AUGUST 2013 (MWs, MW-D, MPEs)

SCALE FEET: 0, 75, 150

SOURCE: CYPRESS ENGINEERING SERVICES INC.

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No. 9
(ROSWELL COMPRESSOR STATION)
ROSWELL, CHAVES COUNTY, NEW MEXICO

PROJECT NO. EC02.20180005.00

WSP USA, Inc.
1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

WELL LOCATIONS

DRAWN:	CHECKED:	DATE:	FIGURE:
HVP	JDD	01/24/23	3-1

FILE NAME: S:\Premier\Projects\Energy Transfer\Transwestern-Roswell\2018 Report Files\Figures\CAD\Transwestern Energy Transfer_Roswell_2018 Report Figures_recover_recover.dwg (3-1) 01/27/23 15:40 - USHP7010224

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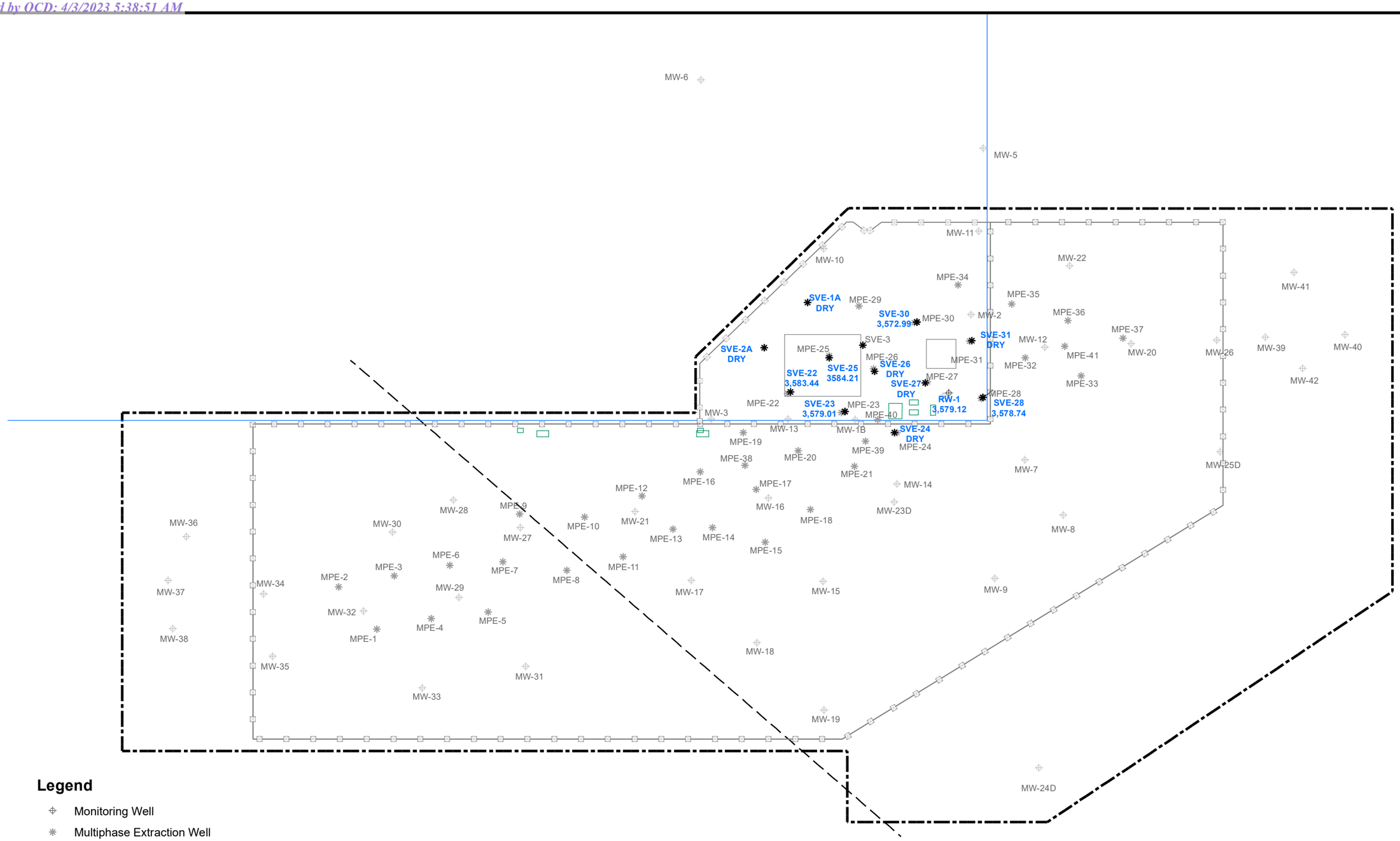
Released to Imaging: 6/7/2024 10:32:31 AM



Legend

- Monitoring Well
- Multiphase Extraction Well
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary

0 75 150 300 Feet

Note: RW-1, SVE-23, SVE-28, SVE-30 are in the Perched Aquifer and required to be sampled per the approved 2020 Sampling Plan.

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)
ROSWELL. CHAVES COUNTY, NEW MEXICO

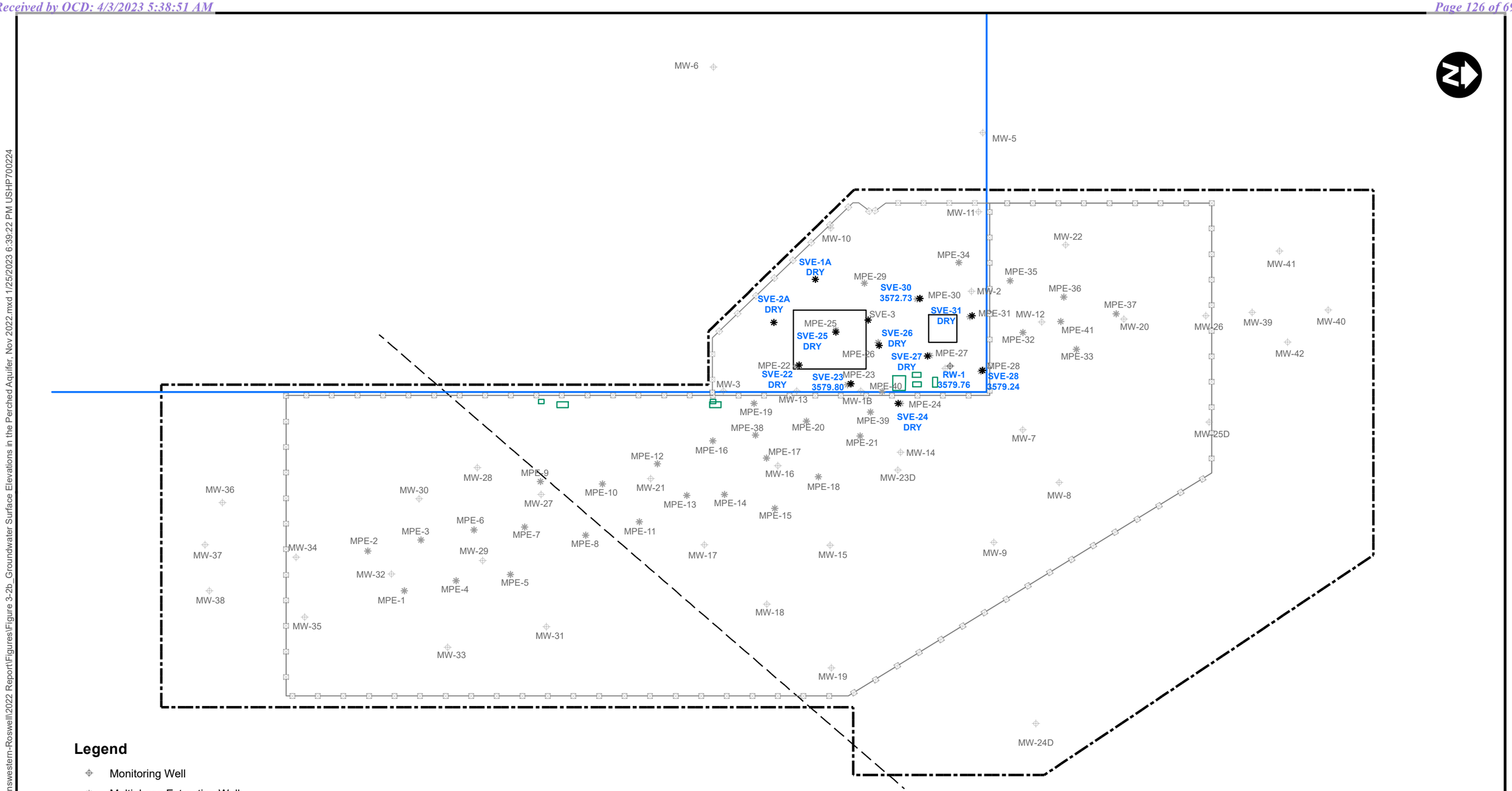
PROJECT NO. EC02.20180005.00

WSP USA, Inc.
1880 West Oak Pkwy, Building 100, Suite 106
Marietta, GA 30062
(770)-973-2100

Groundwater Surface Elevations in the Perched Aquifer May 2022

DRAWN	CHECKED	DATE	FIGURE
HVP	JDD	MAY 2022	3-2a

File: S:\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-2a_Groundwater Surface Elevatio



Legend

- Monitoring Well
- Multiphase Extraction Well
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary

0 75 150 300 Feet

Note: RW-1, SVE-23, SVE-28, SVE-30 are in the Perched Aquifer and required to be sampled per the approved 2020 Sampling Plan.

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)

ROSWELL. CHAVES COUNTY, NEW MEXICO

PROJECT NO. EC02.20180005.00

WSP USA, Inc.
1880 West Oak Pkwy, Building 100, Suite 106
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(770)-973-2100

Groundwater Surface Elevations in the Perched Aquifer November 2022

DRAWN	CHECKED	DATE	FIGURE
HVP	JDD	JAN 2023	3-2b

File: S:\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-2b_Groundwater Surface Elevations in the Perched Aquifer, Nov 2022.mxd 1/25/2023 6:39:22 PM USHP700224

File: S:\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-3a_Groundwater Surface Elevations in the Upper Aquifer, May 2022.mxd 2/16/2023 9:26:45 PM USHP700224

MW-6

MW-5

MW-11 3548.55

MW-10 3548.88

MPE-34 3550.05

MW-22 3548.37

MPE-35 3549.9

MW-41 3544.52

MPE-36 3548.8

MPE-30 3549.16

MW-2 3551.27

MW-12 3550.23

MPE-37 3548.38

MW-39 3547.67*

MW-40 3542.35

SVE-1A SVE-1

MPE-29 3548.5

MPE-25 3548.64

SVE-3

MPE-41 3547.38*

MW-26 3542.90*

SVE-2A SVE-2

MPE-31 3548.54*

MW-20 3548.44

MPE-26 3548.5

MPE-32 3550.26

MW-42 3539.36

MPE-22 3548.39

MPE-23 3548.14

MPE-27 3548.21

RW 1

MPE-33 3549.62

MW-3 3548.05

MW-13 3547.69

MPE-28 3555.31*

MPE-40 3546.368

MW-1B 3548.33

MPE-19 3547.68

MPE-20 3546.15

MPE-24 3547.97

MW-25D

MPE-16 3544.3004

MPE-39 3546.16

MPE-38 3544.82*

MPE-12 3546.00*

MPE-21 3546.63

MW-7 3534.85*

MW-28 3545.22*

MPE-9 3546.01

MPE-17 3544.8808

MW-14 3549.65

MW-23D

MW-30 3545.34

MW-16 3545.238

MW-21 3545.56

MPE-18 3546.97

MPE-10 3545.926

MW-27 3545.76

MPE-13 3544.49

MPE-14 3544.358

MW-8

MW-36

MPE-6

MPE-15 3547.32

MPE-3

MPE-7 3544.83

MPE-8 3544.7

MPE-11 3545.16

MW-37 3540.51

MPE-2

MW-32 3540.94

MW-17 3545.73

MW-15 3549.35

MW-9

MW-34 3540.79

MW-29 3543.37*

MPE-5

MPE-4

MPE-1

MW-38

MW-18

MW-35 3540.21

MW-31

MW-33 3544.86

MW-19

MW-24D

3550

3548

3546

3544

3542

3540

Legend

- Monitoring Well
- Multi-Phase Extraction Well
- Old Monitoring Well
- Potentiometric Groundwater Contour
- Groundwater Flow Direction
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary

3534.85* - Groundwater Elevation Excluded in Contouring

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)

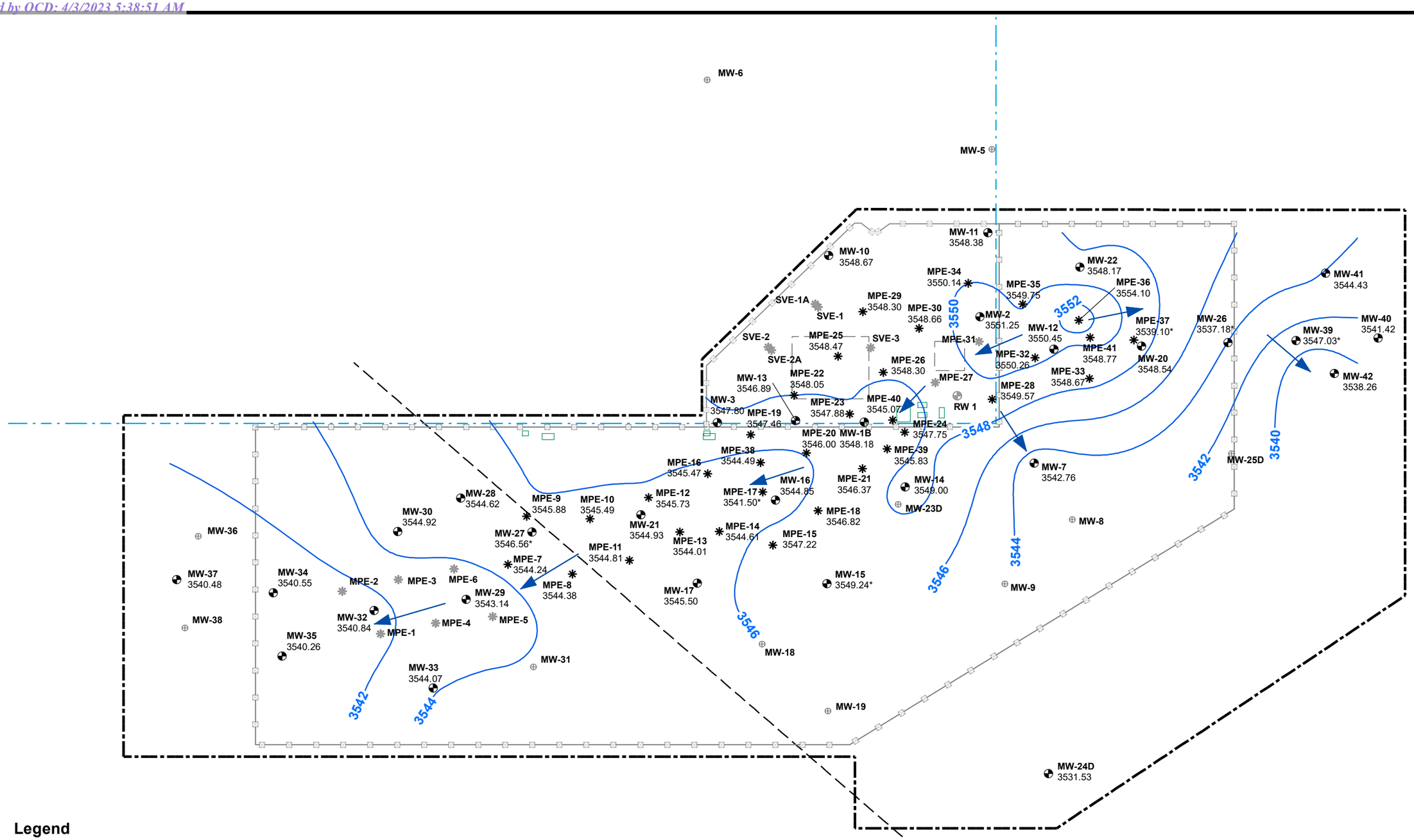
ROSWELL. CHAVES COUNTY, NEW MEXICO

PROJECT NO. EC02.20180005.00

WSP USA, Inc.
1880 West Oak Pkwy, Building 100, Suite 106
Marietta, GA 30062
(770)973-2100

Groundwater Surface Elevations in the Upper Aquifer May 2022

DRAWN	CHECKED	DATE	FIGURE
HVP	JDD	02/15/2023	3-3a



Legend

- Monitoring Well
- Multi-Phase Extraction Well
- Old Monitoring Well
- Potentiometric Groundwater Contour
- Groundwater Flow Direction
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary

3549.24* - Groundwater Elevation Excluded in Contouring

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)

ROSWELL. CHAVES COUNTY, NEW MEXICO

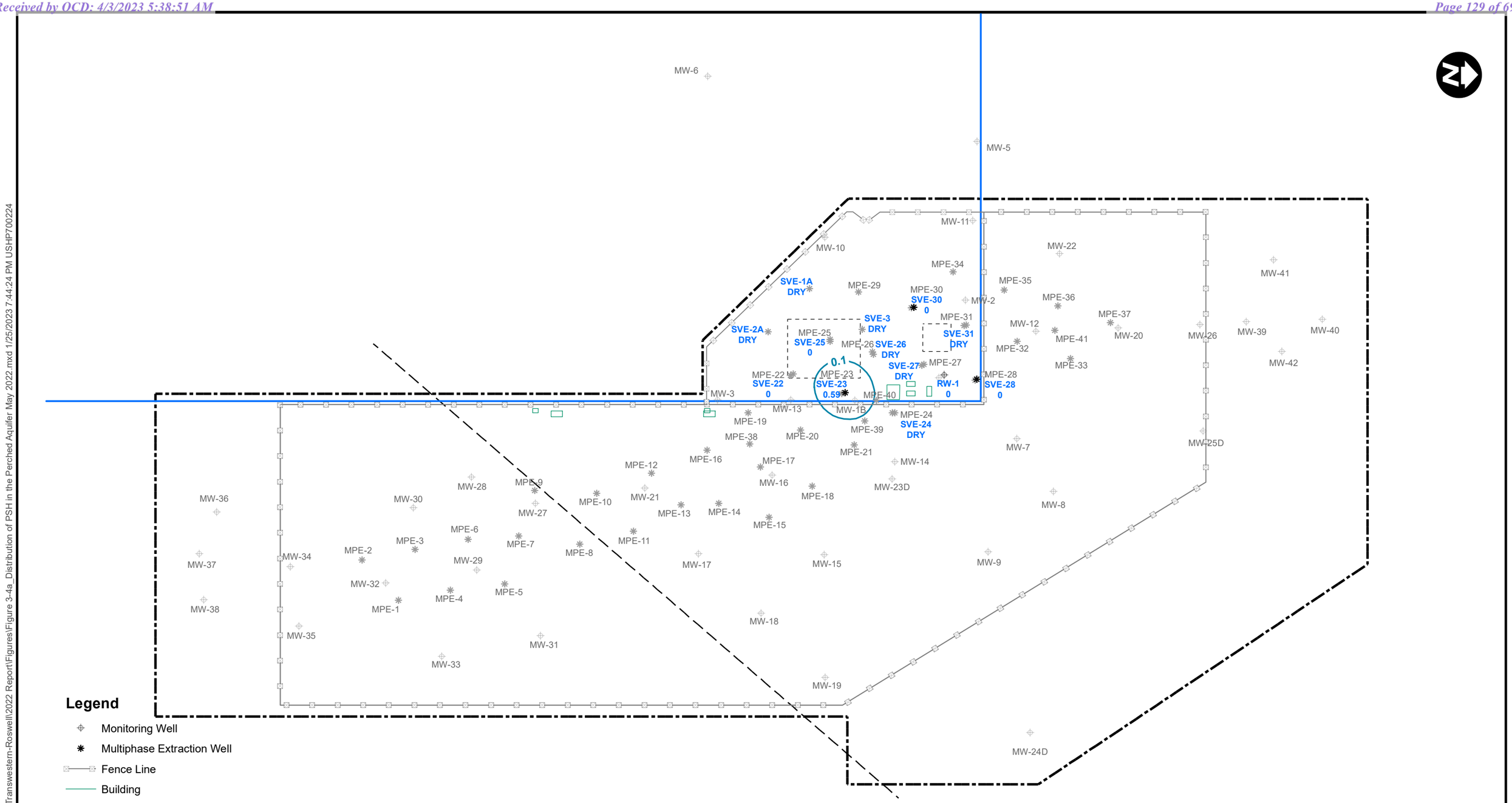
PROJECT NO. EC02.20180005.00

WSP USA, Inc.
1880 West Oak Pkwy, Building 100, Suite 106
Marietta, GA 30062
(770)-973-2100

Groundwater Surface Elevations in the Upper Aquifer November 2022

DRAWN	CHECKED	DATE	FIGURE
HVP	JDD	01/27/23	3-3b

File: S:\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-3b_Groundwater Surface Elevations in the Upper Aquifer, Nov 2022.mxd 1/27/2023 4:08:36 PM USHP700224



Legend

- Monitoring Well
- Multiphase Extraction Well
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary
- PSH Thickness Contour (ft)
- 0.59 PSH thickness in feet

0 75 150 300 Feet

Note: Rw-1, SVE-23, SVE-28, SVE-30 are in the Perched Aquifer and required to be sampled per the approved 2020 Sampling Plan.

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)
ROSWELL. CHAVES COUNTY, NEW MEXICO

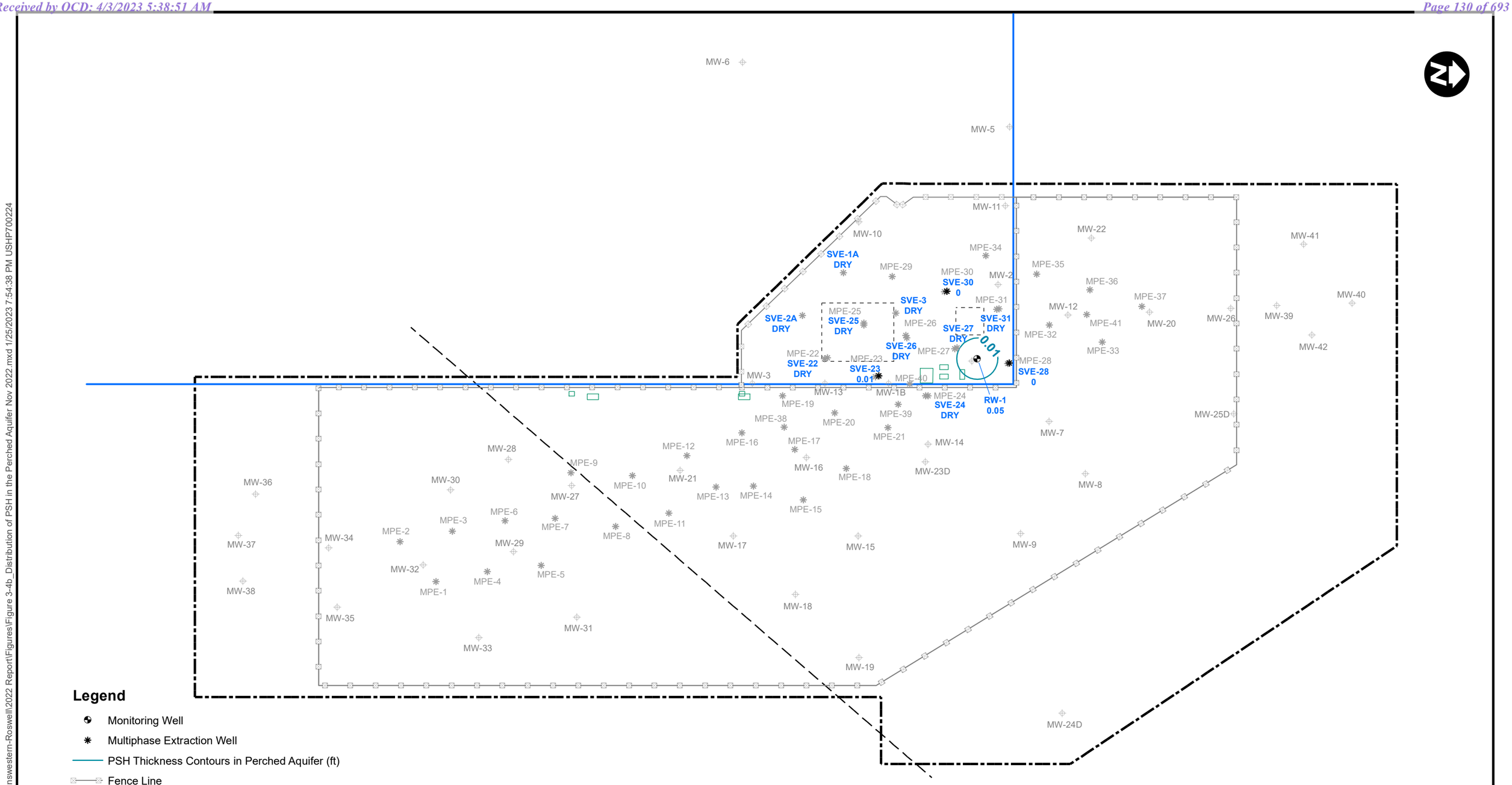
PROJECT NO. EC02.20180005.00

WSP USA, Inc.
1880 West Oak Pkwy, Building 100, Suite 106
Marietta, GA 30062
(770)-973-2100

Distribution of PSH in the Perched Aquifer May 2022

DRAWN	CHECKED	DATE	FIGURE
EG	JDD	JAN 2023	3-4a

File: S:\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-4a_Distribution of PSH in the Perched Aquifer May 2022.mxd 1/25/2023 7:44:24 PM USHP700224



Legend

- Monitoring Well
- Multiphase Extraction Well
- PSH Thickness Contours in Perched Aquifer (ft)
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary
- 1.17 PHS thickness in feet

0 75 150 300 Feet

Note: RW-1, SVE-23, SVE-28, SVE-30 are in the Perched Aquifer and required to be sampled per the approved 2020 Sampling Plan.

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)

ROSWELL. CHAVES COUNTY, NEW MEXICO

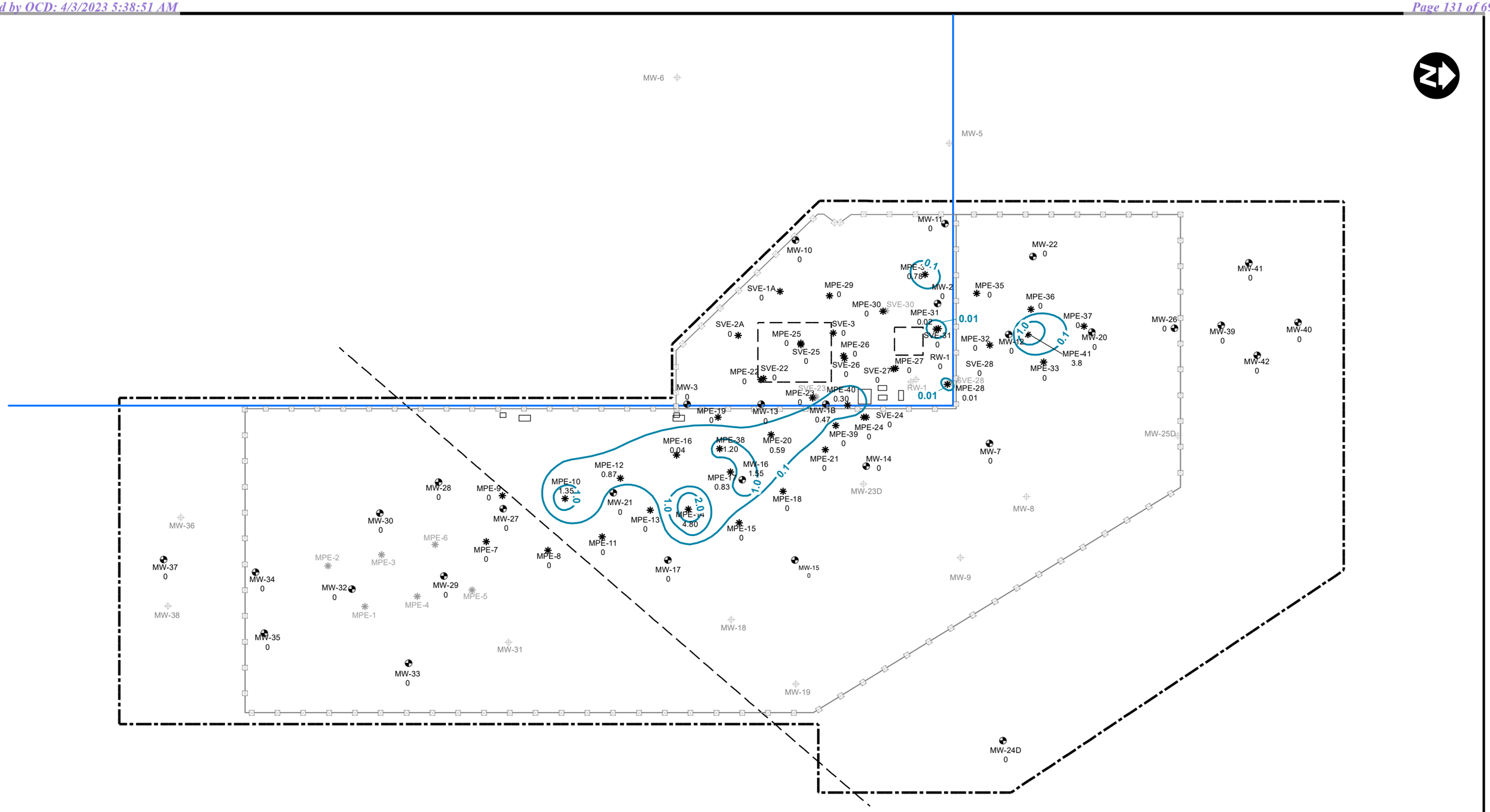
PROJECT NO. EC02.20180005.00

WSP USA, Inc.
1880 West Oak Pkwy, Building 100, Suite 106
Marietta, GA 30062
(770)-973-2100

Distribution of PSH in the Perched Aquifer November 2022

DRAWN	CHECKED	DATE	FIGURE
SWS	JDD	JAN 2023	3-4b

File: S:\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-4b_Distribution of PSH in the Perched Aquifer Nov 2022.mxd 1/25/2023 7:54:38 PM USHP700224



Legend

- Monitoring Well
- Multiphase Extraction Well
- PSH Thickness Contour (ft)
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)

ROSWELL. CHAVES COUNTY, NEW MEXICO

PROJECT NO. EC02.20180005.00

WSP Inc, USA
1880 West Oak Pkwy, Building 100, Suite 106
Marietta, GA 30062
(770)-973-2100

Distribution of PSH in the Upper Aquifer May 2022

DRAWN	CHECKED	DATE	FIGURE
HVP	JDD	1/24/23	3-5a

File: S:\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-5a_Distribution of PSH in the Upper Aquifer May 2022.mxd 1/25/2023 10:40:22 PM USHP700224

File: S:\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-5b_Distribution of PSH in the Upper Aquifer Nov 2022.mxd 3/16/2023 1:33:51 PM USHP700224

MW-6
MW-5
MW-11 0
MW-10 0
MW-22 0
MW-41 0
MPE-34 0
MPE-35 0
MPE-41 0.10
MPE-36 0
MPE-37 0
SVE-1A
SVE-1
MPE-29 0
MW-2 0
MPE-30 0
MW-12 0
MW-26 0
MW-39 0
MW-40 0
SVE-2
SVE-3
MPE-25 0
MPE-31
MW-20 0
SVE-2A
MPE-26 0
MPE-27
MPE-32 0
MW-42 0
MPE-33 0
RW 1
MPE-22 0
MPE-23 0
MPE-28 0
MW-3 0
MW-13 0
MPE-40 0.3
MPE-19 0
MW-1B 0.25
MPE-24 0
MPE-20 0
MPE-39 0
MW-25D
MPE-16 0.7
MPE-38 1.35
MW-7 0
MPE-12 1.15
MPE-17 2.17
MPE-21 0
MW-14 0
MW-28 0
MW-16 2.35
MPE-9 0
MPE-18 0
MW-23D
MPE-10 1.5
MPE-14 2.7
MW-30 0
MW-36
MW-21 0
MW-8
MW-27 0
MPE-13 0
MPE-15 0
MPE-6
MPE-7 0
MW-37 0
MPE-8 0
MPE-11 0
MW-17 0
MW-15 0
MW-9
MW-34 0
MPE-2
MPE-3
MW-29 0
MW-32 0
MPE-4
MPE-5
MW-38
MPE-1
MW-18
MW-35 0
MW-31
MW-33 0
MW-19
MW-24D 0

0.1
0.01
0.1
0.1
0.01

Legend

- Monitoring Well
- Multi-Phase Extraction Well
- Old Monitoring Well
- PSH Thickness Contour in Upper Aquifer (ft)
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)

ROSWELL. CHAVES COUNTY, NEW MEXICO

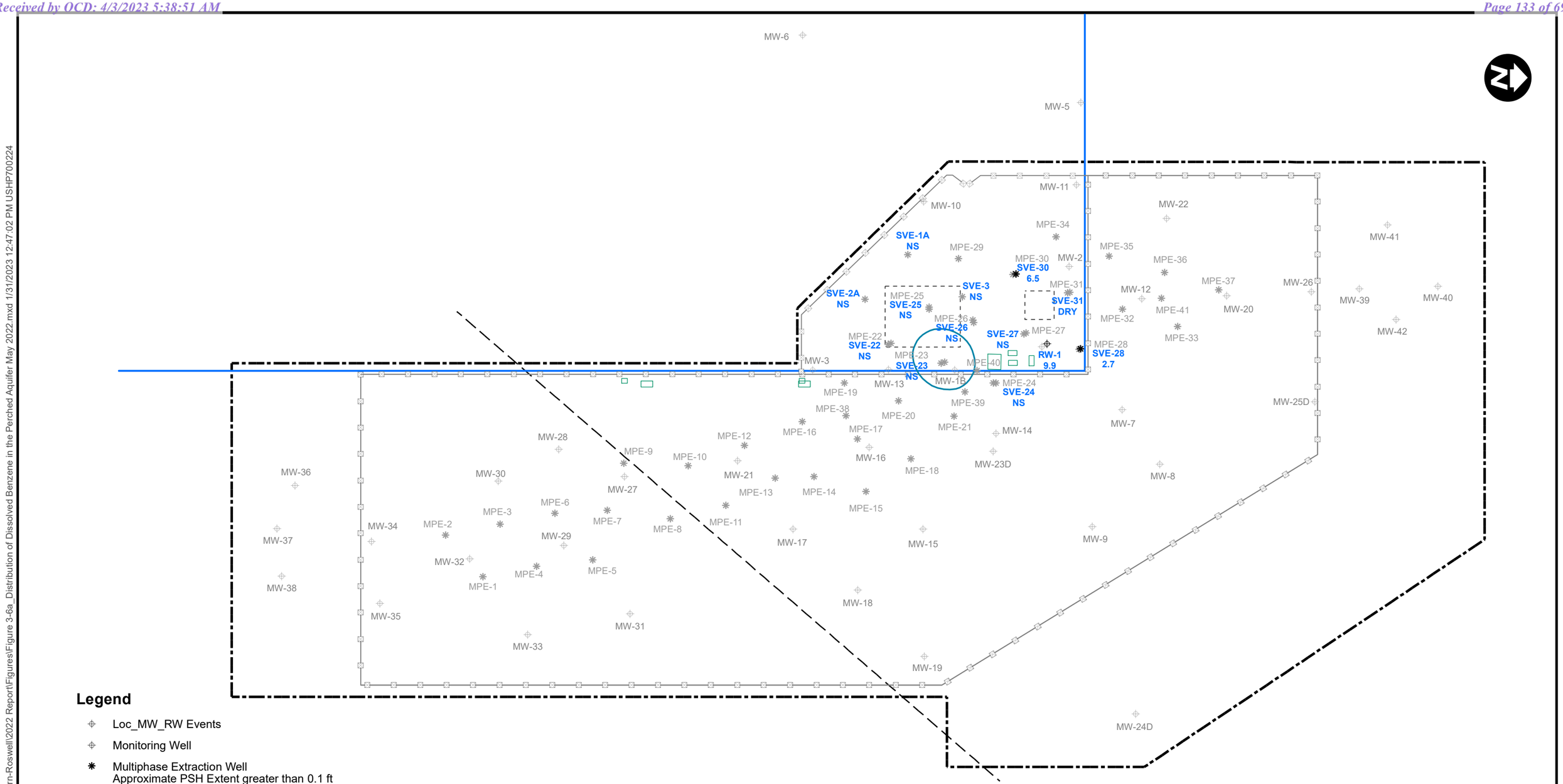
PROJECT NO. EC02.20180005.00

WSP USA, Inc.
1880 West Oak Pkwy, Building 100, Suite 106
Marietta, GA 30062
(770)973-2100

Distribution of PSH in the Upper Aquifer November 2022

DRAWN	CHECKED	DATE	FIGURE
HVP	JDD	1/25/23	3-5b

File: S:\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-6a_Distribution of Dissolved Benzene in the Perched Aquifer May 2022.mxd 1/31/2023 12:47:02 PM USHP700224



Legend

- Loc_MW_RW Events
- Monitoring Well
- Multiphase Extraction Well
- Approximate PSH Extent greater than 0.1 ft in Perched Aquifer (May 2022)
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary
- 5.7 Benzene Concentration in ug/L
- NS Not sampled in accordance with SAP.

0 75 150 300 Feet

Note: RW-1, SVE-23, SVE-28, SVE-30 are in the Perched Aquifer and required to be sampled per the approved 2020 Sampling Plan.

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
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ROSWELL. CHAVES COUNTY, NEW MEXICO

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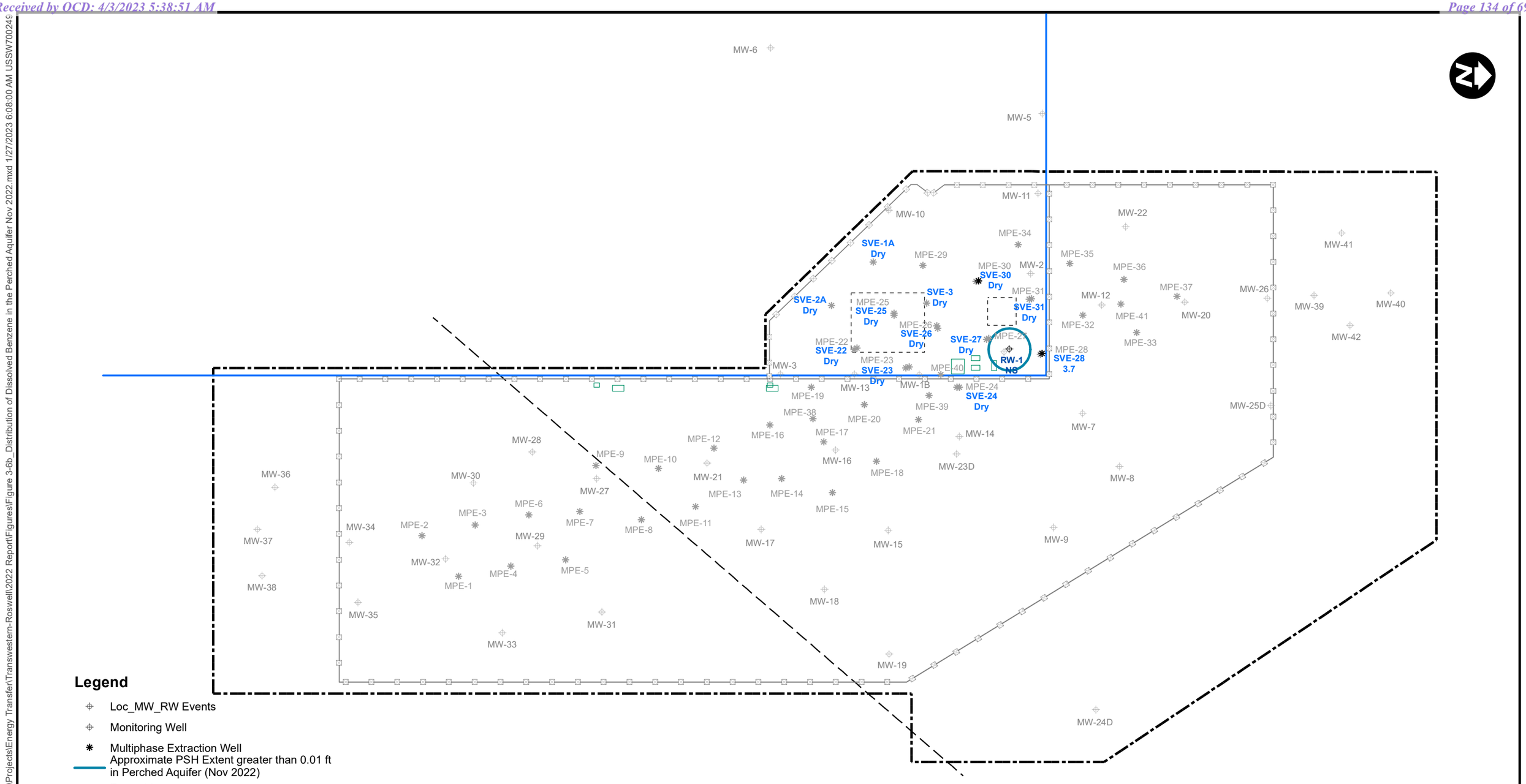
1880 West Oak Pkwy, Building 100, Suite 106
Marietta, GA 30062
(770)-973-2100

Distribution of Dissolved Benzene in the Perched Aquifer May 2022

DRAWN	CHECKED	DATE	FIGURE
SWS	JDD	JAN 2023	3-6a

File: Z:\CentralData\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-6b_Distribution of Dissolved Benzene in the Perched Aquifer Nov 2022.mxd 1/27/2023 6:08:00 AM USSW700249



Legend

- Loc_MW_RW Events
- Monitoring Well
- Multiphase Extraction Well
- Approximate PSH Extent greater than 0.01 ft in Perched Aquifer (Nov 2022)
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary
- 5.7 Benzene Concentration in ug/L
- NS Not sampled due to PSH in well

0 75 150 300 Feet

Note: RW-1, SVE-23, SVE-28, SVE-30 are in the Perched Aquifer and required to be sampled per the approved 2020 Sampling Plan.

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)

ROSWELL. CHAVES COUNTY, NEW MEXICO

PROJECT NO. EC02.20180005.00

WSP USA, Inc.
1880 West Oak Pkwy, Building 100, Suite 106
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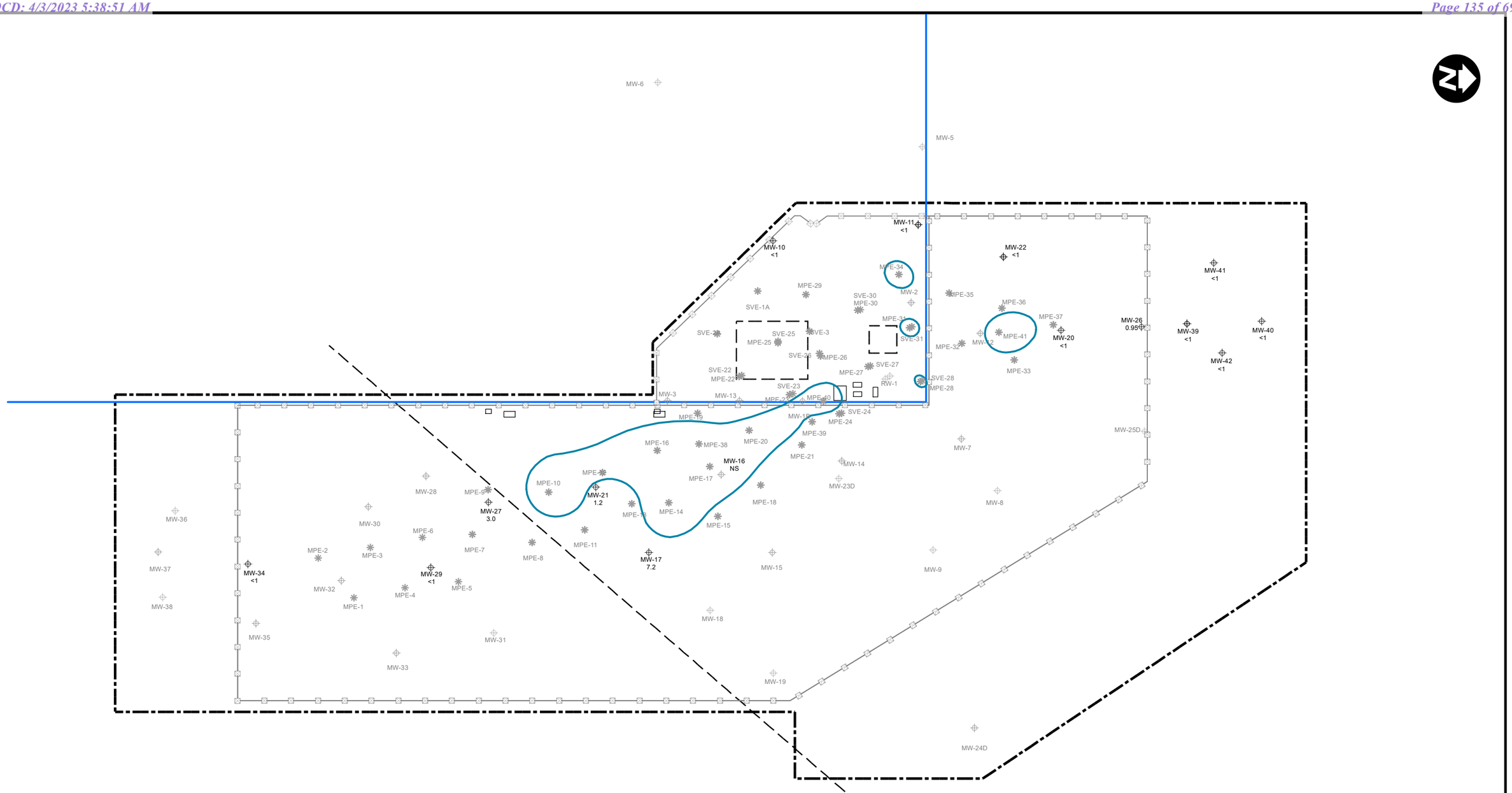
(770)-973-2100

Distribution of Dissolved Benzene in the Perched Aquifer November 2022

DRAWN	CHECKED	DATE	FIGURE
SWS	JDD	JAN 2023	3-6b

Released to Imaging: 6/7/2024 10:32:31 AM

File: Z:\Central Data\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-7a_Distribution of Dissolved Benzene in the Upper Aquifer May 2022.mxd 1/27/2023 6:19:25 AM USSW700249



Legend

- Monitoring Well
- Multiphase Extraction Well
- Approximate PSH Extent greater than 0.01 ft in Upper Aquifer (May 2022)
- Fence Line
- 5.3 Benzene Concentration in ug/L
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)

ROSWELL. CHAVES COUNTY, NEW MEXICO

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(770-)973-2100

Distribution of Dissolved Benzene in the Upper Aquifer May 2022

DRAWN	CHECKED	DATE	FIGURE
SWS	JDD	JAN 2023	3-7a

Released to Imaging: 6/7/2024 10:32:31 AM

File: Z:\Central Data\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-7b_Distribution of Dissolved Benzene in the Upper Aquifer Nov 2022.mxd 3/17/2023 10:14:54 AM USSW700249

MW-6
MW-5
MW-11 Dry
MW-10 Dry
MW-22 <1.0
MW-41 <1.0
MW-34
SVE-1A
MPE-29
SVE-1
SVE 30 DRY
MW-2
MPE-35
MPE-36
MPE-37
MW-26 <1.0
MW-39 <1.0
MW-40 <1.0
SVE-2
MPE-25
SVE-3
MPE-30
MPE-31
MPE-41
SVE-2A
SVE 25
SVE 31 DRY
MPE-32
MW-12
MW-20 <1.0
MW-42 <1.0
MPE-26
SVE 26
MPE-27
MPE-33
MPE-22
SVE 22
SVE 27
RW-1 NS
MPE-28
MW-13 <1.0
SVE 23
SVE 28 3.7
MW-3
MPE-23
MW-1B
MPE-24
MPE-19
MPE-40
MPE-39
SVE 24
MPE-38
MPE-20
MW-7
MW-25D
MPE-16
MPE-17
MPE-21
MW-14 <1.0
MW-28
MPE-12
MW-16 NS
MW-23D
MPE-9
MPE-18
MW-36
MW-30
MPE-10
MW-21 <1.0
MW-8
MW-27 <1.0
MPE-13
MPE-14
MPE-15
MPE-6
MW-15
MW-37 <1.0
MPE-3
MPE-7
MPE-11
MW-9
MW-34 <1.0
MPE-2
MPE-8
MW-17 Dry
MW-29 <1.0
MW-32 <1.0
MW-38
MW-18
MPE-5
MPE-4
MPE-1
MW-35 <1.0
MW-31
MW-33
MW-19
MW-24D <1

Legend

- Monitoring Well
- Multiphase Extraction Well
- Old Monitoring Well
- Approximate PSH Extent greater than 0.01 ft in Upper Aquifer (Nov 2022)
- Fence Line
- 5.3 Benzene Concentration in ug/L
- NS Not sampled due to PSH in well
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)

ROSWELL. CHAVES COUNTY, NEW MEXICO

PROJECT NO. EC02.20180005.00

WSP USA, Inc.
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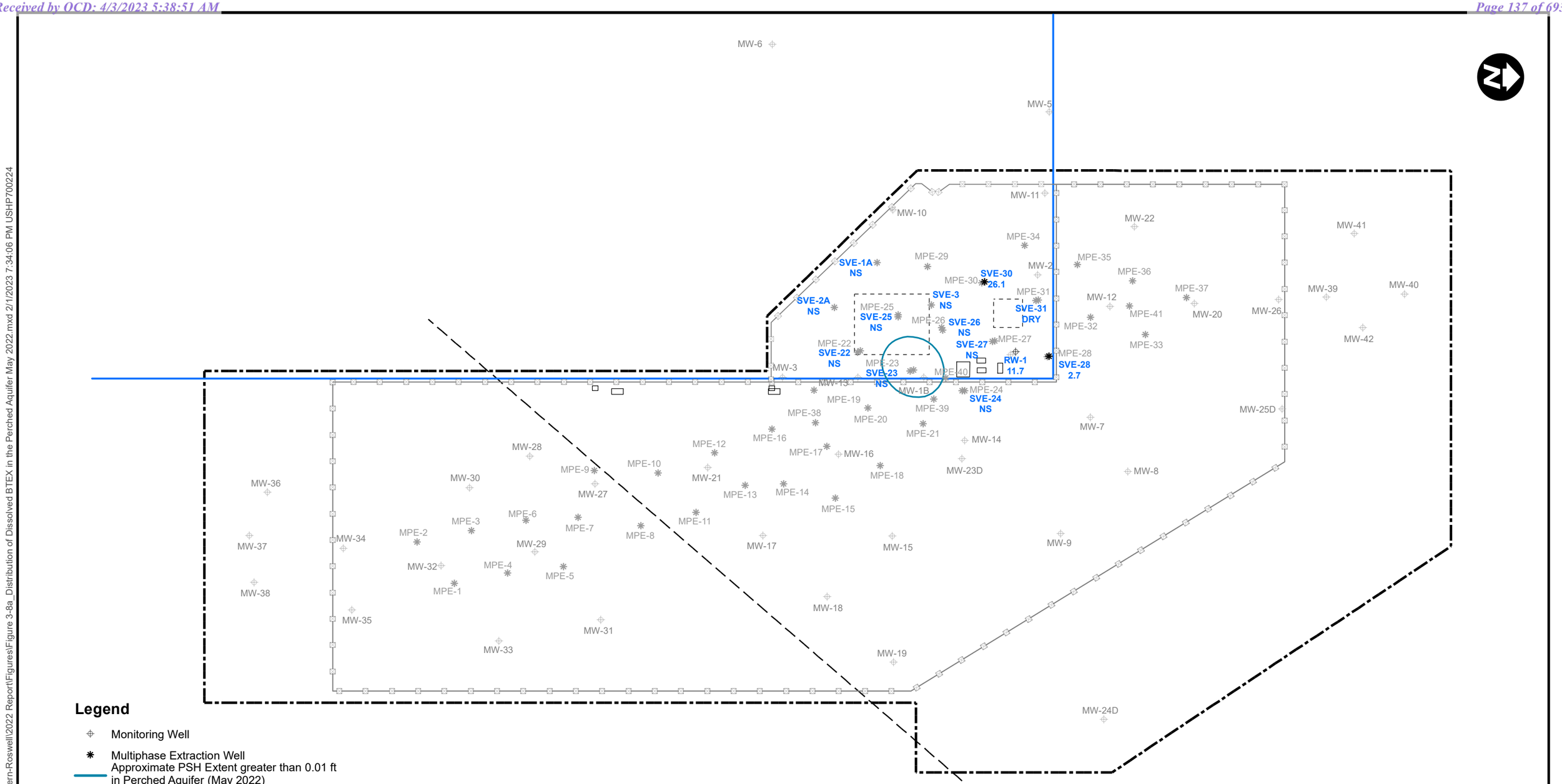
Marietta, GA 30062
(770)-973-2100

Distribution of Dissolved Benzene in the Upper Aquifer November 2022

DRAWN	CHECKED	DATE	FIGURE
HVP	JDD	02/01/23	3-7b



Legend

- Monitoring Well
- Multiphase Extraction Well
- Approximate PSH Extent greater than 0.01 ft in Perched Aquifer (May 2022)
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary
- **13.7** BTEX Concentration in ug/L
- **NS** Not sampled in accordance with SAP.

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
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Distribution of Dissolved BTEX in the Perched Aquifer May 2022

DRAWN	CHECKED	DATE	FIGURE
SWS	JDD	02/01/23	3-8a

File: S:\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-8a_Distribution of Dissolved BTEX in the Perched Aquifer May 2022.mxd 2/1/2023 7:34:06 PM USHP700224

File: Z:\Central Data\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-8b_Distribution of Dissolved BTEX in the Perched Aquifer Nov 2022.mxd 1/27/2023 8:06:07 AM USSW700249

MW-6
MW-5
MW-11
MW-10
MW-22
MW-41
MPE-34
MPE-29
MPE-35
MW-2
MPE-36
MPE-30
MW-40
MW-39
MPE-37
MPE-31
MW-12
MW-20
MW-26
MPE-41
MPE-32
MPE-33
MW-42
MPE-27
MPE-28
MPE-22
MPE-23
MPE-40
MW-3
MW-13
MW-1B
MPE-24
MPE-19
MPE-39
MW-25D
MPE-38
MPE-20
MW-7
MPE-21
MPE-16
MW-14
MW-28
MPE-12
MPE-17
MW-16
MW-23D
MPE-10
MPE-9
MPE-18
MW-8
MW-36
MW-30
MW-21
MW-27
MPE-13
MPE-14
MPE-15
MPE-6
MPE-3
MPE-11
MW-37
MW-34
MPE-2
MPE-7
MPE-8
MW-29
MW-17
MW-15
MW-9
MW-32
MPE-4
MPE-5
MW-38
MPE-1
MW-18
MW-35
MW-31
MW-33
MW-19
MW-24D

SVE-1A Dry
SVE-2A Dry
SVE-3 Dry
SVE-30 Dry
SVE-31 Dry
SVE-25 Dry
SVE-26 Dry
SVE-27 Dry
SVE-22 Dry
SVE-23 Dry
SVE-24 Dry
RW-1 NS
SVE-28 3.7

Legend

- Monitoring Well
- Multiphase Extraction Well
- Approximate PSH Extent greater than 0.01 ft in Perched Aquifer (Nov 2022)
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary
- 13.7 BTEX Concentration in ug/L
- NS Not sampled due to PSH in well

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)
ROSWELL. CHAVES COUNTY, NEW MEXICO

PROJECT NO. EC02.20180005.00

WSP USA, Inc.
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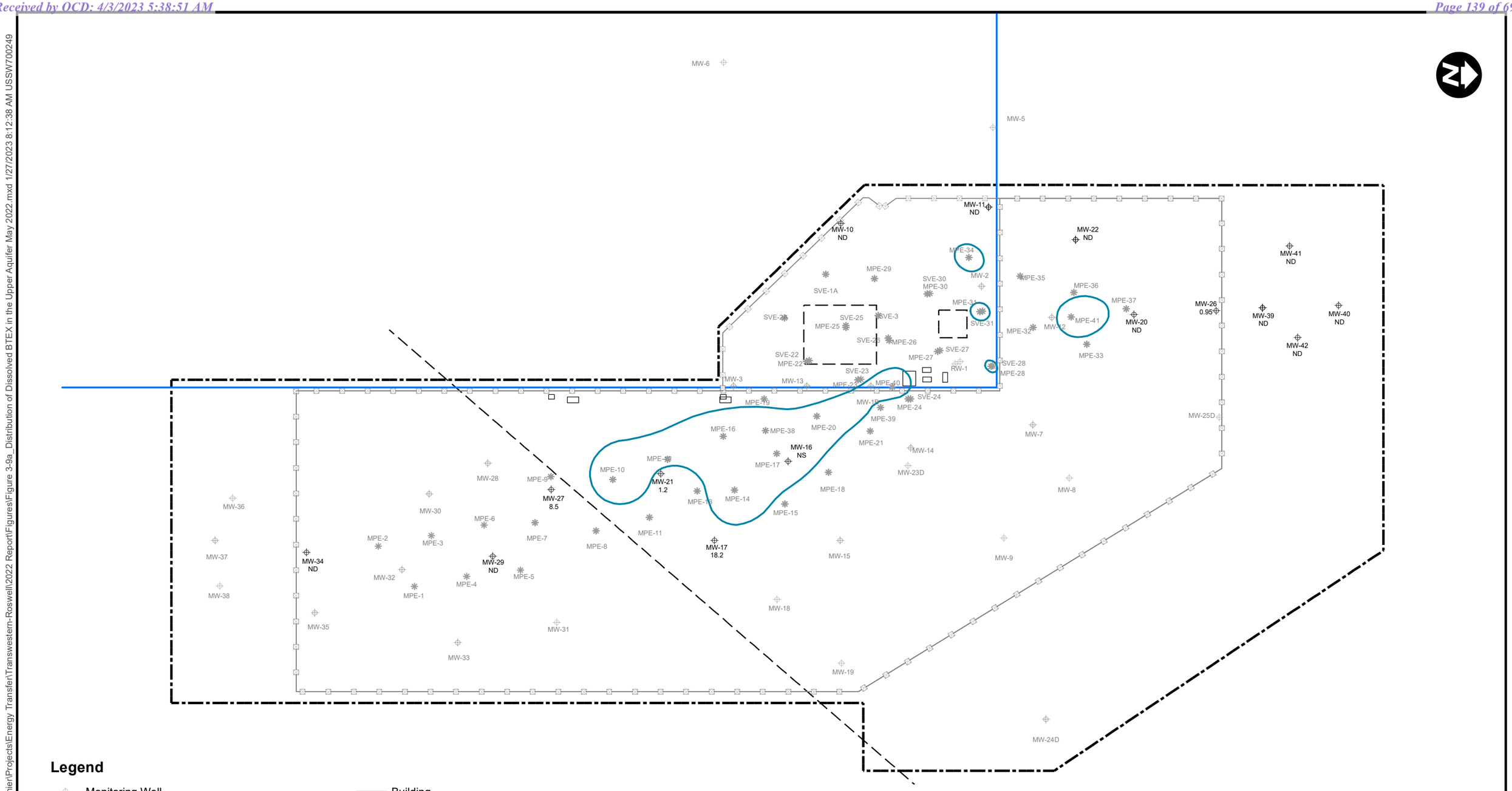
(770)-973-2100

Distribution of Dissolved BTEX in the Perched Aquifer November 2022

DRAWN	CHECKED	DATE	FIGURE
SWS	JDD	JAN 2023	3-8b



Legend

- Monitoring Well
- Multiphase Extraction Well
- Approximate PSH Extent greater than 0.01 ft in Upper Aquifer (May 2022)
- Fence Line
- 5.3 BTEX Concentration in ug/L
- ND Non-Detect
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary
- NS Not sampled due to PSH in well

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
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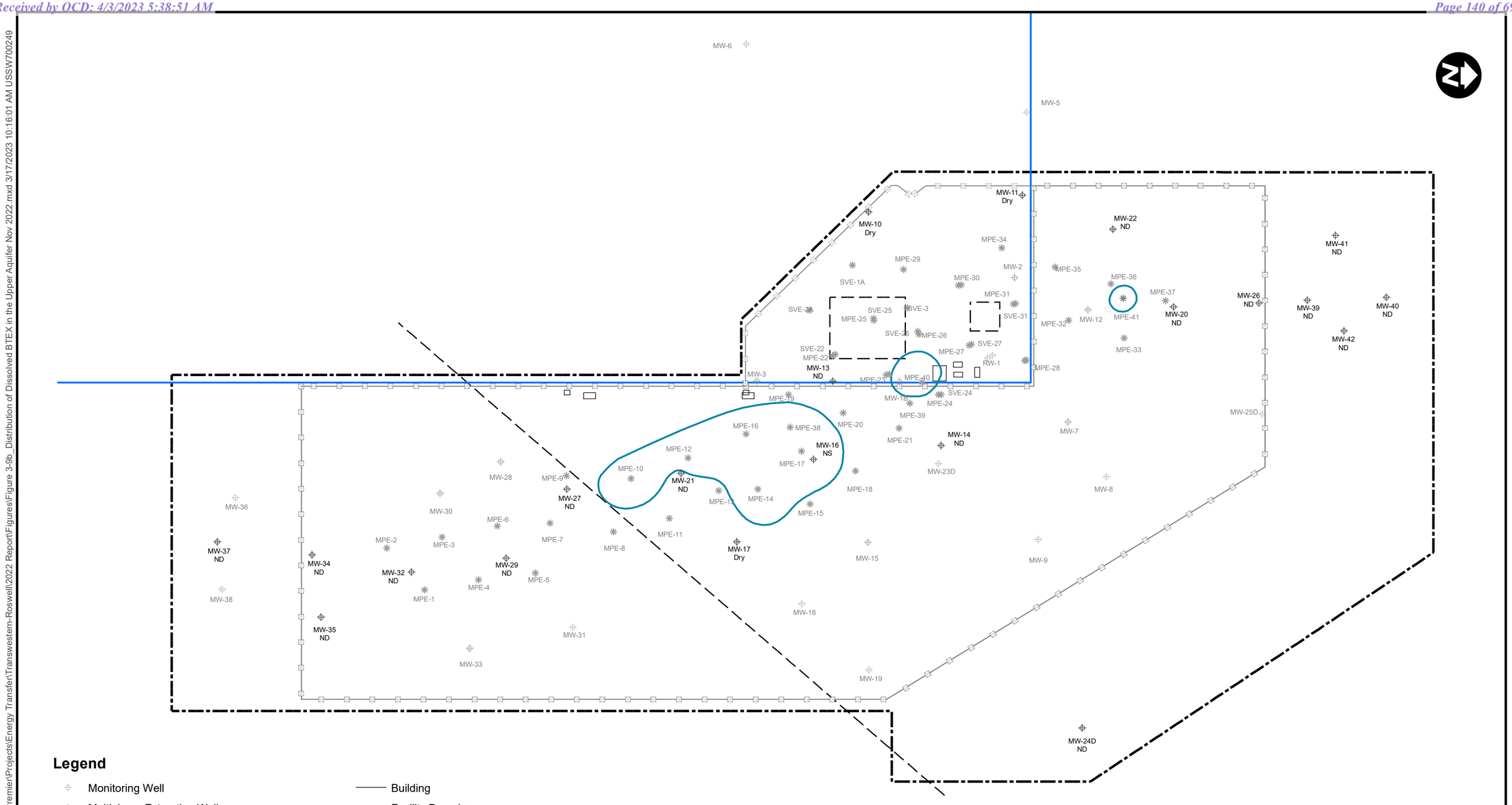
Distribution of Dissolved BTEX in the Upper Aquifer May 2022

DRAWN	CHECKED	DATE	FIGURE
SWS	JDD	JAN 2023	3-9a

File: Z:\Central Data\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-9a_Distribution of Dissolved BTEX in the Upper Aquifer May 2022.mxd 1/27/2023 8:12:38 AM USSW700249

File: Z:\Central Data\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-9b_Distribution of Dissolved BTEX in the Upper Aquifer Nov 2022.mxd 3/17/2023 10:16:01 AM USSW700249



Legend

- Monitoring Well
- Multiphase Extraction Well
- Approximate PSH Extent greater than 0.01 ft in Upper Aquifer (Nov 2022)
- Fence Line
- 5.3 BTEX Concentration in ug/L
- ND Non-detect
- NS Not sampled due to PSH in well
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
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ROSWELL. CHAVES COUNTY, NEW MEXICO

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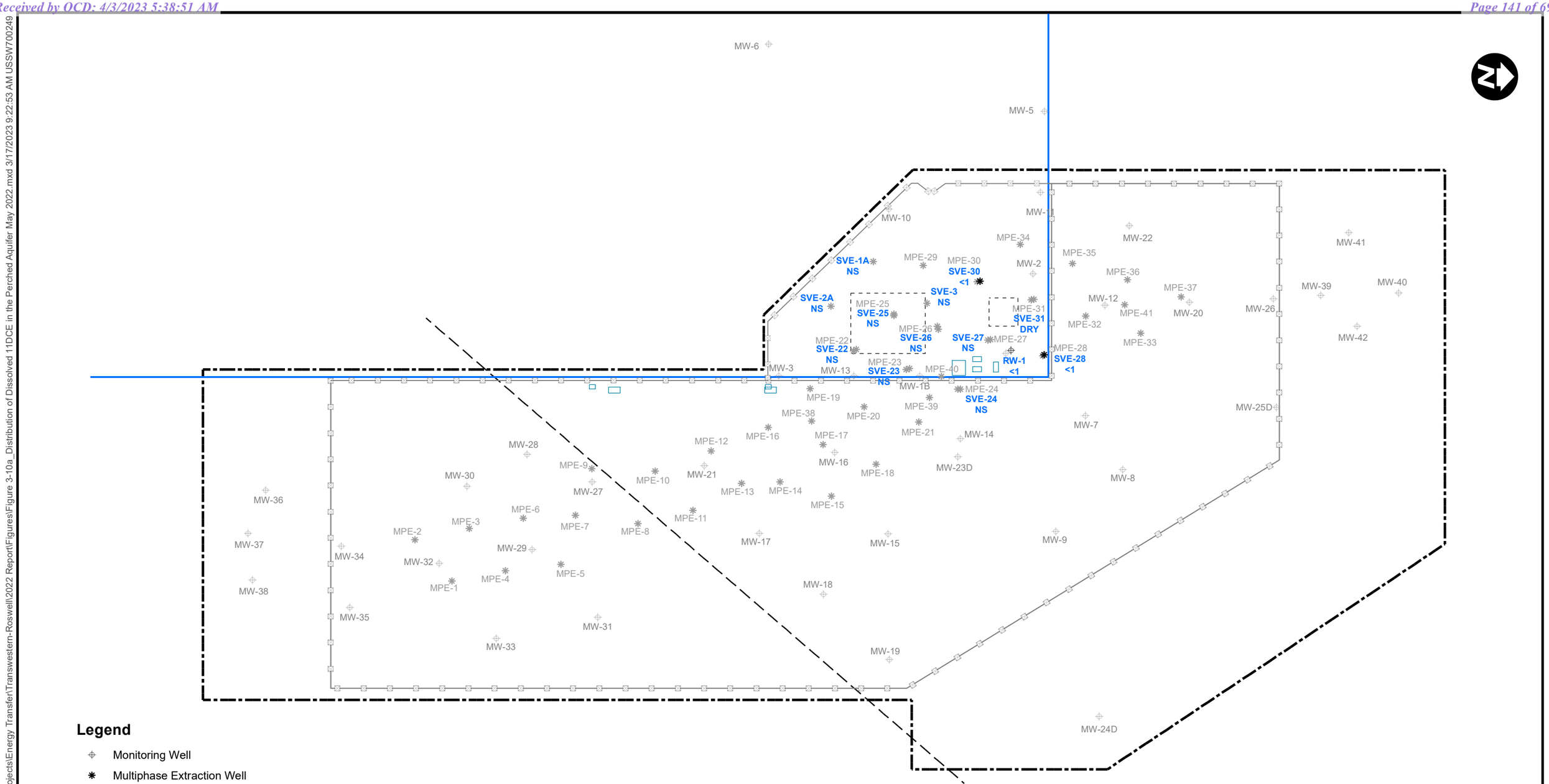
(770)-973-2100

Distribution of Dissolved BTEX in the Upper Aquifer November 2022

DRAWN	CHECKED	DATE	FIGURE
HVP	JDD	02/01/23	3-9b

File: Z:\CentralData\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-10a_Distribution of Dissolved 11DCE in the Perched Aquifer May 2022.mxd 3/17/2023 9:22:53 AM USSW700249



Legend

- Monitoring Well
- Multiphase Extraction Well
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary
- **<1.0** 1,1-DCE Concentration in ug/L
- **NS** Not sampled in accordance with SAP.

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
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ROSWELL. CHAVES COUNTY, NEW MEXICO

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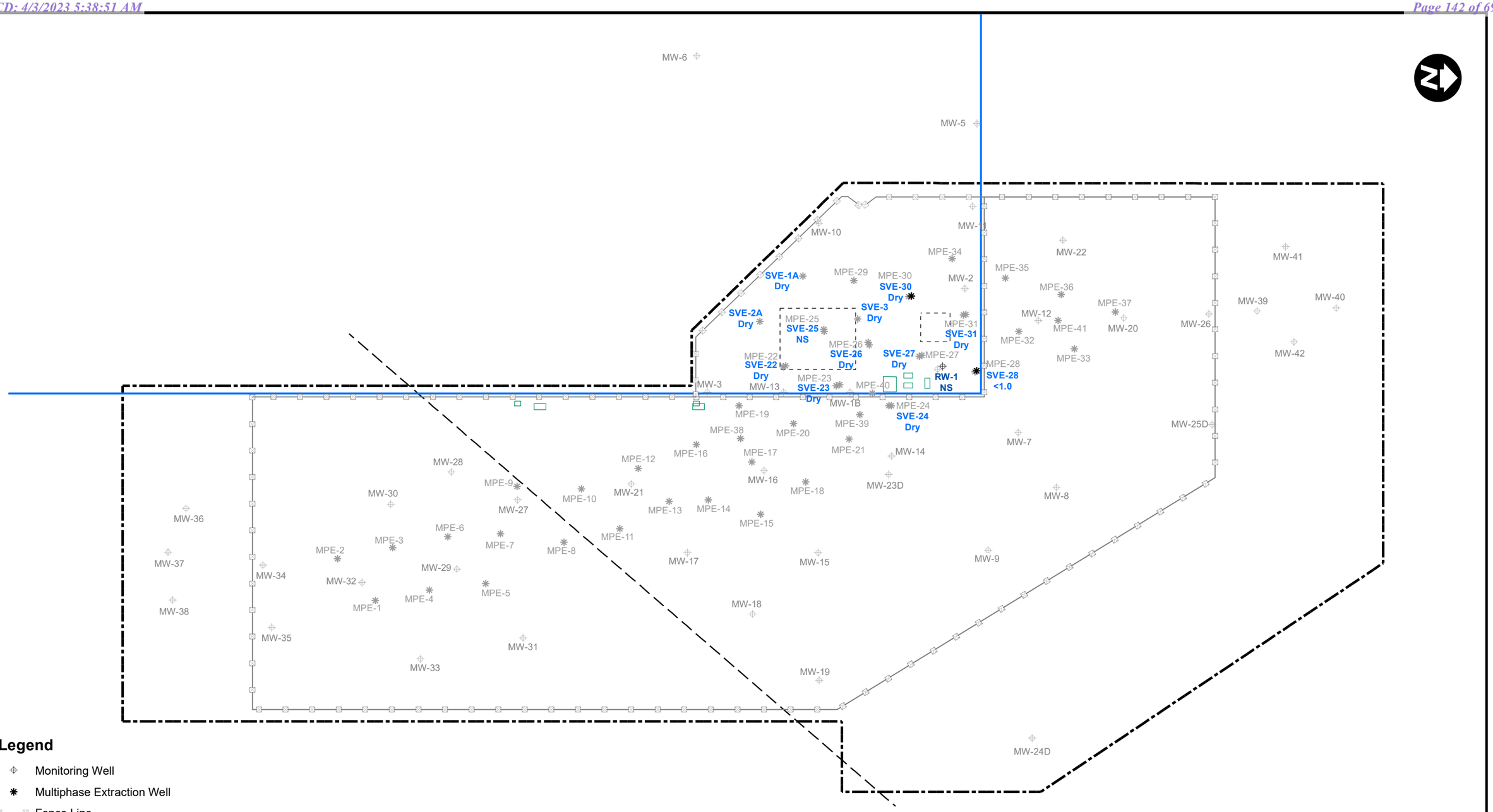
Distribution of Dissolved 1,1-DCE in the Perched Aquifer May 2022

DRAWN	CHECKED	DATE	FIGURE
HVP	JDD	02/01/23	3-10a

File: Z:\Central Data\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-10b_Distribution of Dissolved 11DCE in the Perched Aquifer Nov 2022.mxd 3/17/2023 9:23:45 AM USSW700249



Legend

- Monitoring Well
- Multiphase Extraction Well
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary
- **<1.0** 1,1-DCE Concentration in ug/L
- **NS** Not sampled due to PSH in well

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
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ROSWELL. CHAVES COUNTY, NEW MEXICO

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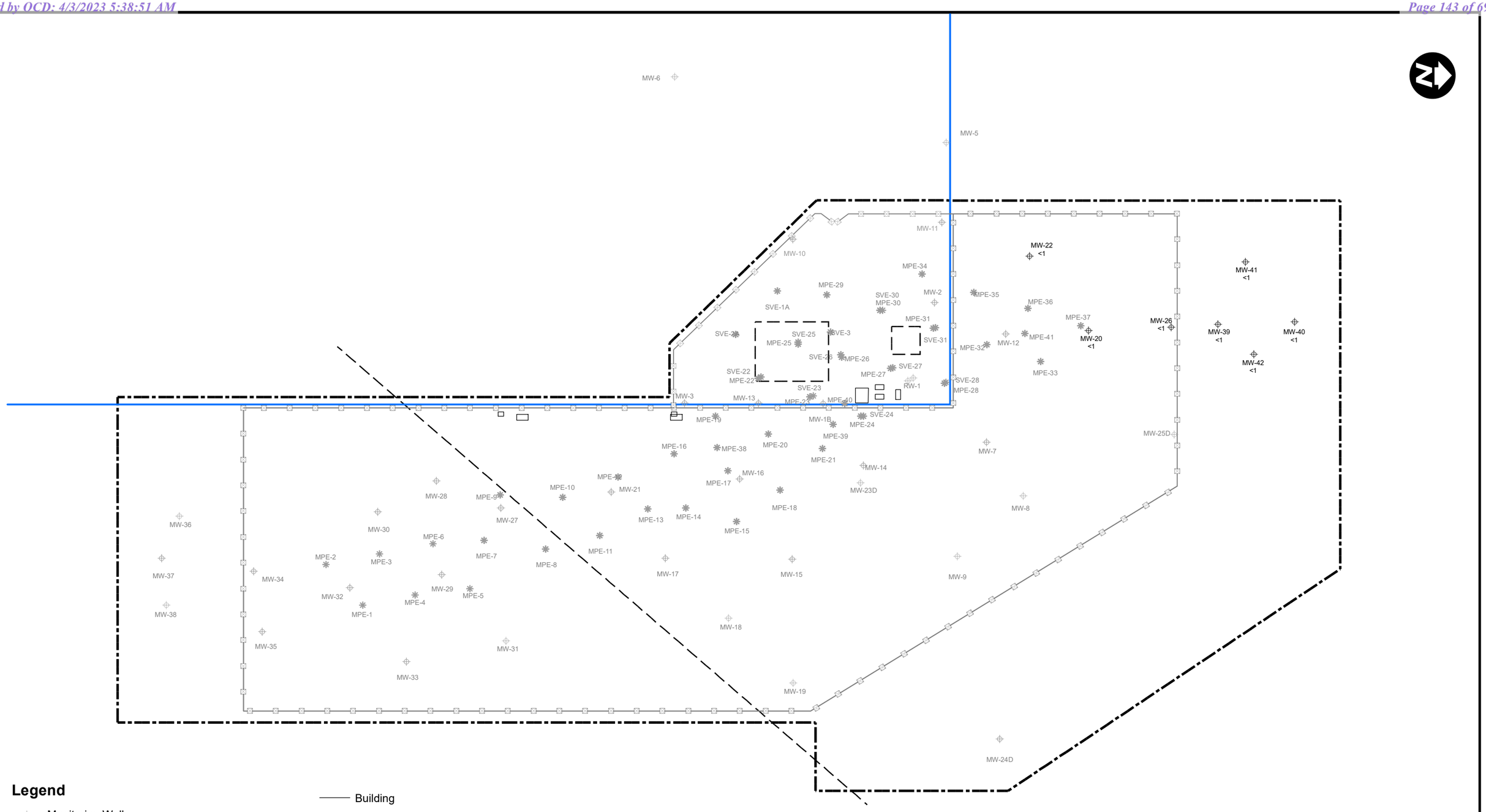
Distribution of Dissolved 1,1-DCE in the Perched Aquifer November 2022

DRAWN	CHECKED	DATE	FIGURE
SWS	JDD	JAN 2023	3-10b

File: Z:\Central Data\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-11a_Distribution of Dissolved 11DCE in the Upper Aquifer May 2022.mxd 3/17/2023 9:26:03 AM USSW700249



Legend

- Monitoring Well
- Multiphase Extraction Well
- Fence Line
- 5.3 1,1-DCE Concentration in ug/L
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)

ROSWELL. CHAVES COUNTY, NEW MEXICO

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(770)-973-2100

Distribution of Dissolved 1,1-DCE in the Upper Aquifer May 2022

DRAWN	CHECKED	DATE	FIGURE
SWS	JDD	JAN 2023	3-11a

File: Z:\Central Data\USMGE100\Garnett\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-11b_Distribution of Dissolved 11DCE in the Upper Aquifer Nov 2022.mxd 3/17/2023 9:41:43 AM USSW700249

MW-6
MW-5
MW-11 Dry
MW-10 Dry
MW-22 1.8
MW-41 1.2
MPE-34
MPE-29
MW-2
MPE-35
MPE-36
MPE-37
MW-26 31
MW-39 19
MW-40 <1.0
MW-42 3.2
SVE-30
MPE-30
SVE-1A
MPE-31
SVE-1
SVE-25
SVE-3
MPE-25
SVE-31
MW-20 1.6
MW-12
MPE-41
MPE-32
SVE-26
MPE-26
MPE-33
SVE-27
SVE-22
MPE-22
MPE-27
SVE-28
MPE-28
RW-1
SVE-23
MW-13 <1.0
MW-3
MPE-40
MPE-23
SVE-24
MPE-19
MW-1B
MPE-24
MPE-39
MPE-16
MPE-38
MPE-20
MW-25D
MW-7
MPE-21
MW-14 <1.0
MPE-12
MW-16 NS
MPE-17
MW-23D
MW-28
MPE-10
MPE-18
MW-8
MW-21 <1.0
MW-27 <1.0
MPE-13
MPE-14
MPE-15
MW-36
MW-30
MPE-6
MPE-11
MPE-7
MPE-2
MPE-3
MPE-8
MW-17 Dry
MW-15
MW-9
MW-37 <1.0
MW-34 <1.0
MW-29 <1.0
MW-32 <1.0
MPE-4
MPE-5
MPE-1
MW-38
MW-18
MW-35 <1.0
MW-31
MW-33
MW-19
MW-24D <1.0

Legend

- Monitoring Well
- Multiphase Extraction Well
- Fence Line
- 5.3 1,1-DCE Concentration in ug/L
- NS Not sampled due to PSH in well
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)

ROSWELL. CHAVES COUNTY, NEW MEXICO

PROJECT NO. EC02.20180005.00

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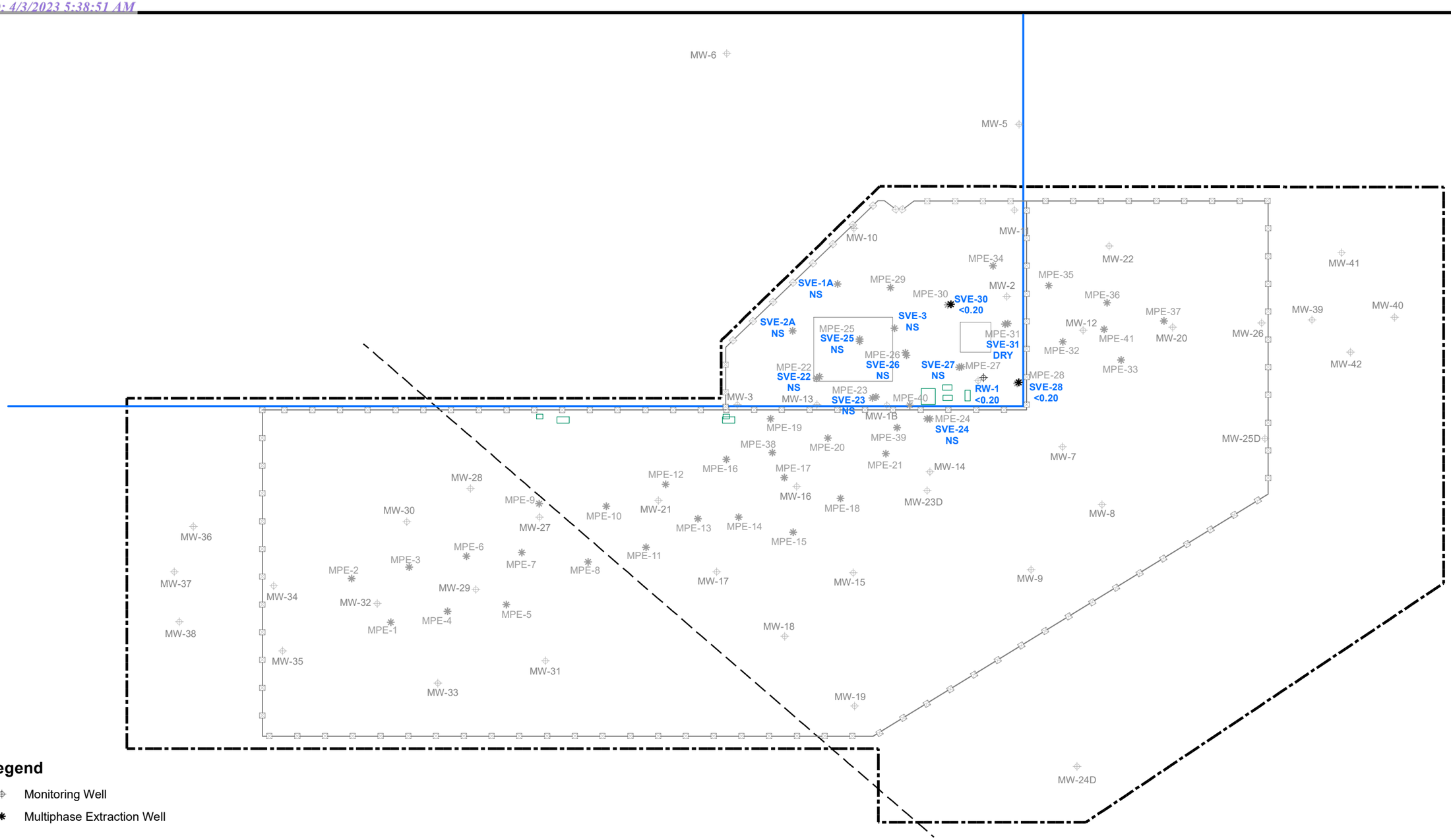
(770)-973-2100

Distribution of Dissolved 1,1-DCE in the Upper Aquifer November 2022

DRAWN	CHECKED	DATE	FIGURE
HVP	JDD	3/14/23	3-11b

File: Z:\Central Data\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-12a_Distribution of Dissolved 11DCA in the Perched Aquifer May 2022.mxd 3/17/2023 9:40:44 AM USSW700249



Legend

- Monitoring Well
- Multiphase Extraction Well
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary
- **<1.0** 1,1-DCA Concentration in ug/L
- **NS** Not sampled in accordance with SAP.

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
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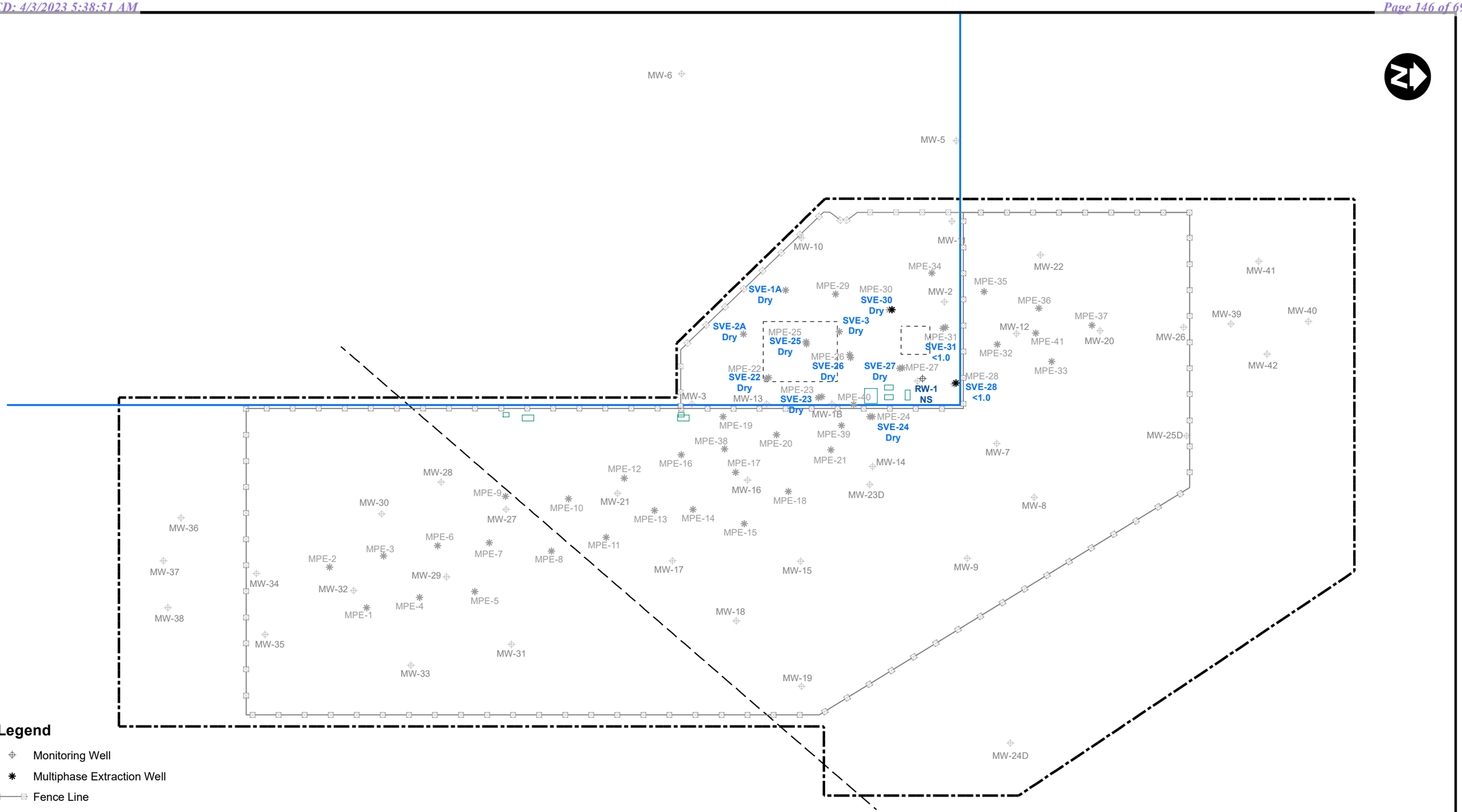
Distribution of Dissolved 1,1-DCA in the Perched Aquifer May 2022

DRAWN	CHECKED	DATE	FIGURE
HVP	JDD	3/14/23	3-12a

File: Z:\CentralData\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-12b_Distribution of Dissolved 11DCA in the Perched Aquifer Nov 2022.mxd 3/17/2023 9:43:47 AM USSW700249



Legend

- Monitoring Well
- Multiphase Extraction Well
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary
- **<1.0** 1,1-DCE Concentration in ug/L
- **NS** Not sampled due to PSH in well

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
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(ROSWELL COMPRESSOR STATION)

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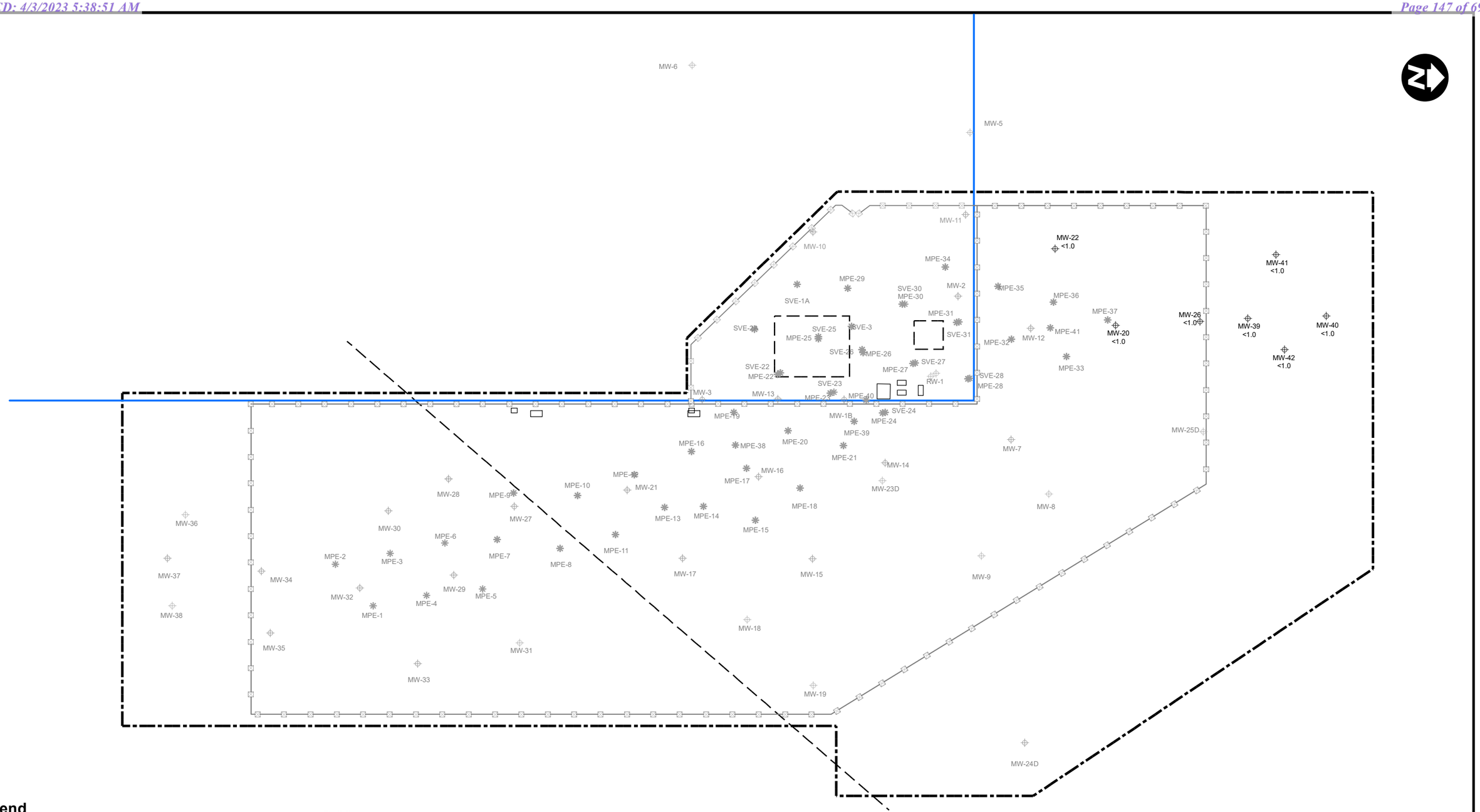
(770)-973-2100

Distribution of Dissolved 1,1-DCA in the Perched Aquifer November 2022

DRAWN	CHECKED	DATE	FIGURE
SWS	JDD	JAN 2023	3-12b

File: Z:\Central Data\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-13a_Distribution of Dissolved 11DCA in the Upper Aquifer May 2022.mxd 3/17/2023 9:44:38 AM USSW700249



Legend

- Monitoring Well
- Multiphase Extraction Well
- Fence Line
- 5.3 1,1-DCA Concentration in ug/L
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
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ROSWELL. CHAVES COUNTY, NEW MEXICO

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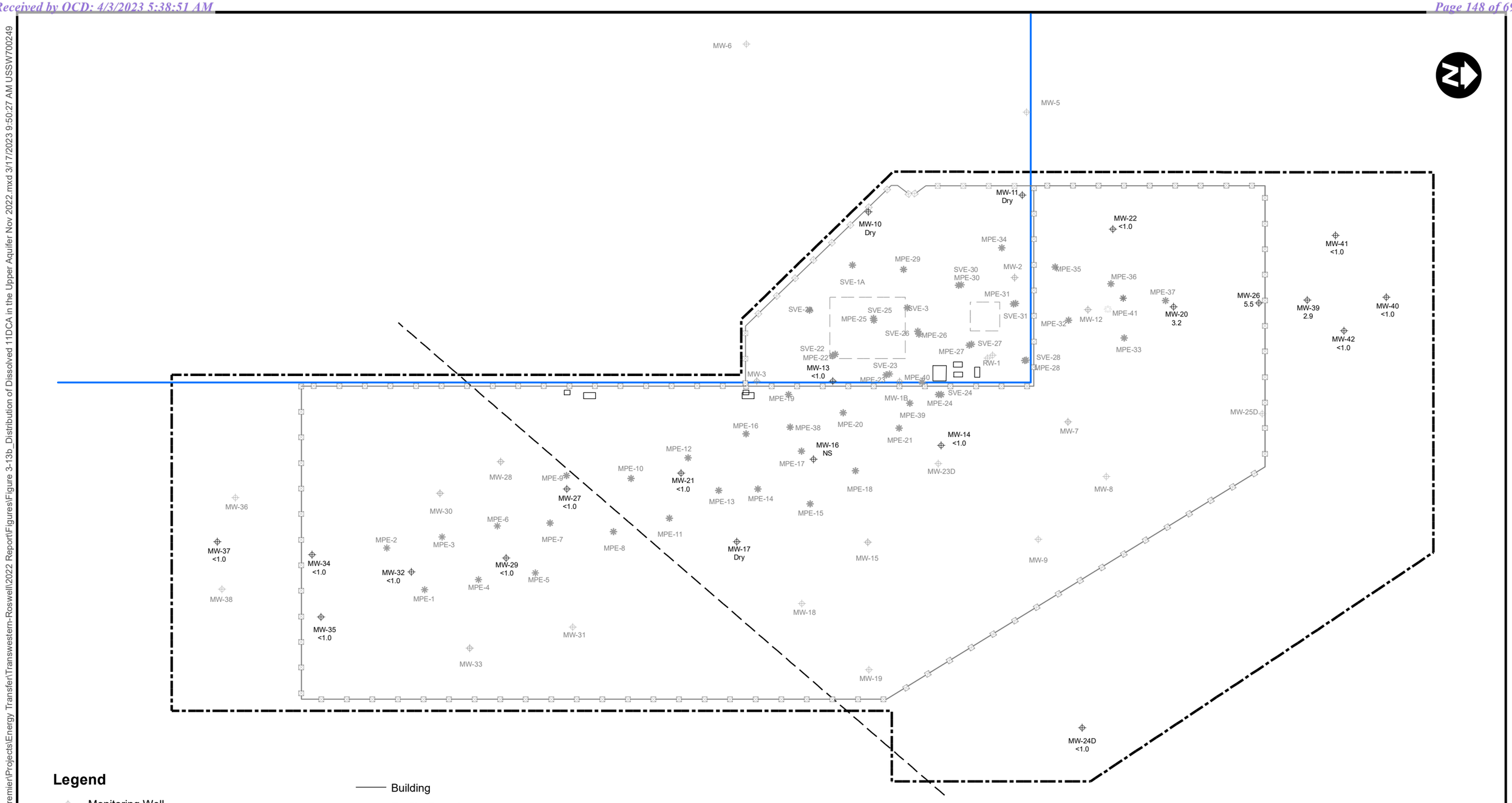
Distribution of Dissolved 1,1-DCA in the Upper Aquifer May 2022

DRAWN	CHECKED	DATE	FIGURE
SWS	JDD	JAN 2023	3-13a

File: Z:\Central Data\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-13b_Distribution of Dissolved 11DCA in the Upper Aquifer Nov 2022.mxd 3/17/2023 9:50:27 AM USSW700249



Legend

- Monitoring Well
- Multiphase Extraction Well
- Fence Line
- 5.3 1,1-DCA Concentration in ug/L
- NS Not sampled due to PSH in well

- Building
- Facility Boundary
- Station Pipeline
- Site Boundary

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)

ROSWELL. CHAVES COUNTY, NEW MEXICO

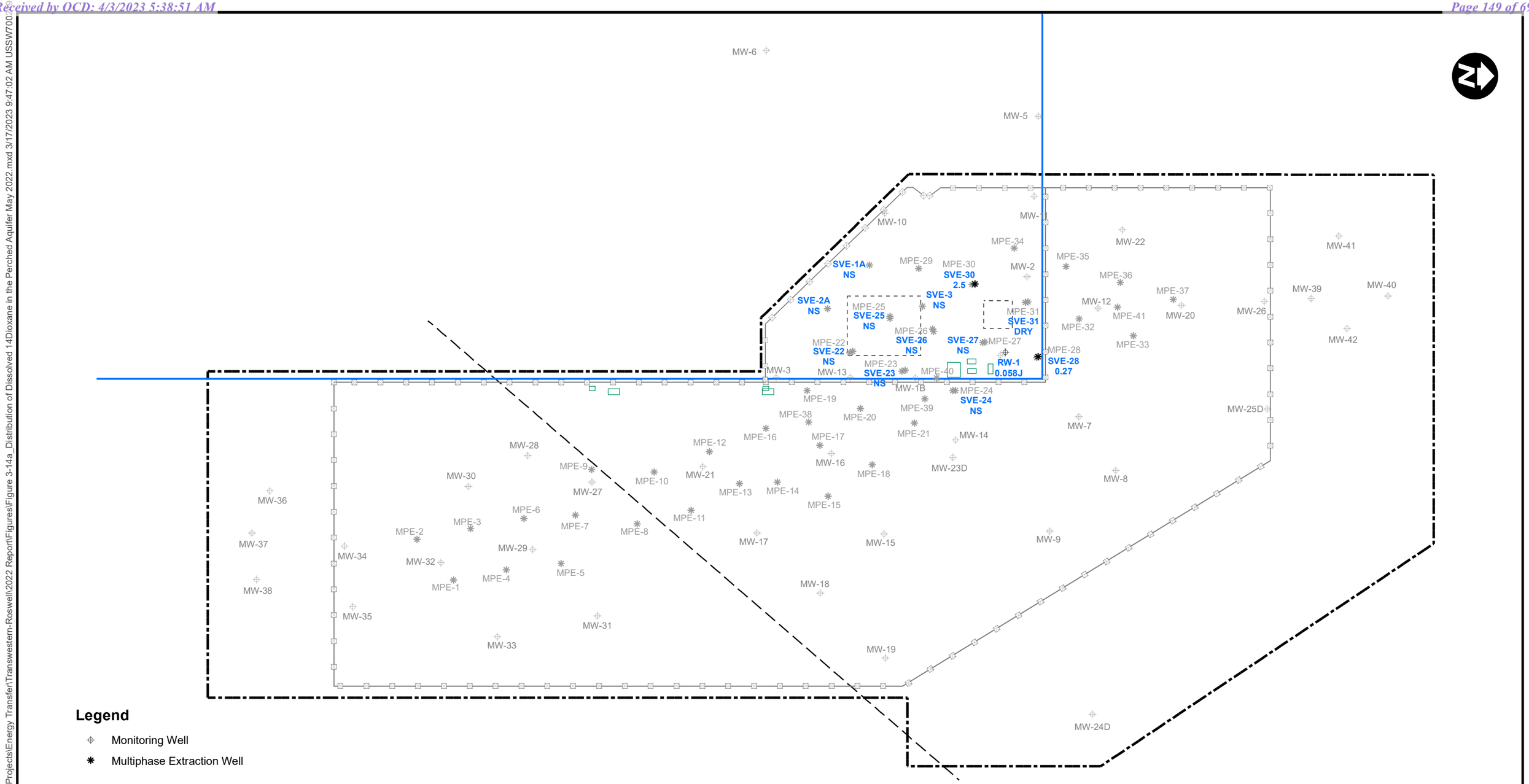
PROJECT NO. EC02.20180005.00

WSP USA, Inc.
1880 West Oak Pkwy, Building 100, Suite 106
Marietta, GA 30062
(770)-973-2100

Distribution of Dissolved 1,1-DCA in the Upper Aquifer November 2022

DRAWN	CHECKED	DATE	FIGURE
HVP	JDD	3/14/23	3-13b

File: Z:\Central Data\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-14a_Distribution of Dissolved 14Dioxane in the Perched Aquifer May 2022.mxd 3/17/2023 9:47:02 AM USSW700



Legend

- Monitoring Well
- Multiphase Extraction Well
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary
- **<1.0** 1,4-Dioxane Concentration in ug/L
- **NS** Not sampled in accordance with SAP.

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)

ROSWELL. CHAVES COUNTY, NEW MEXICO

PROJECT NO. EC02.20180005.00

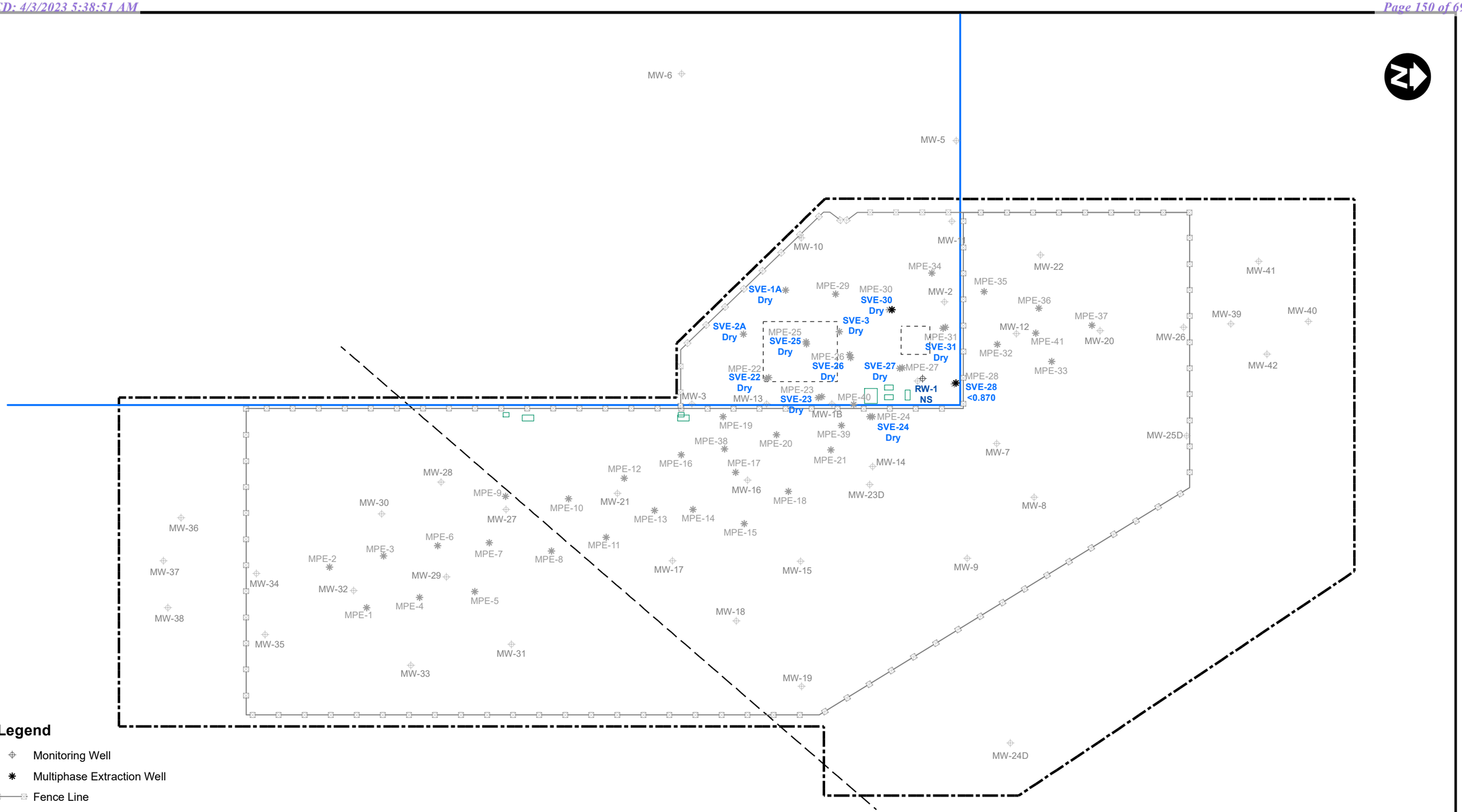
WSP USA, Inc.
1880 West Oak Pkwy, Building 100, Suite 106
Marietta, GA 30062
(770)-973-2100

Distribution of Dissolved 1,4-Dioxane in the Perched Aquifer May 2022

DRAWN	CHECKED	DATE	FIGURE
HVP	JDD	02/01/23	3-14a

Released to Imaging: 6/7/2024 10:32:31 AM

File: Z:\Central\Data\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-14b_Distribution of Dissolved 114Dioxane in the Perched Aquifer Nov 2022.mxd 3/17/2023 9:56:27 AM USSW700



Legend

- Monitoring Well
- Multiphase Extraction Well
- Fence Line
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary
- **<1.0** 1,4-Dioxane Concentration in ug/L
- **NS** Not sampled due to PSH in well

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)

ROSWELL. CHAVES COUNTY, NEW MEXICO

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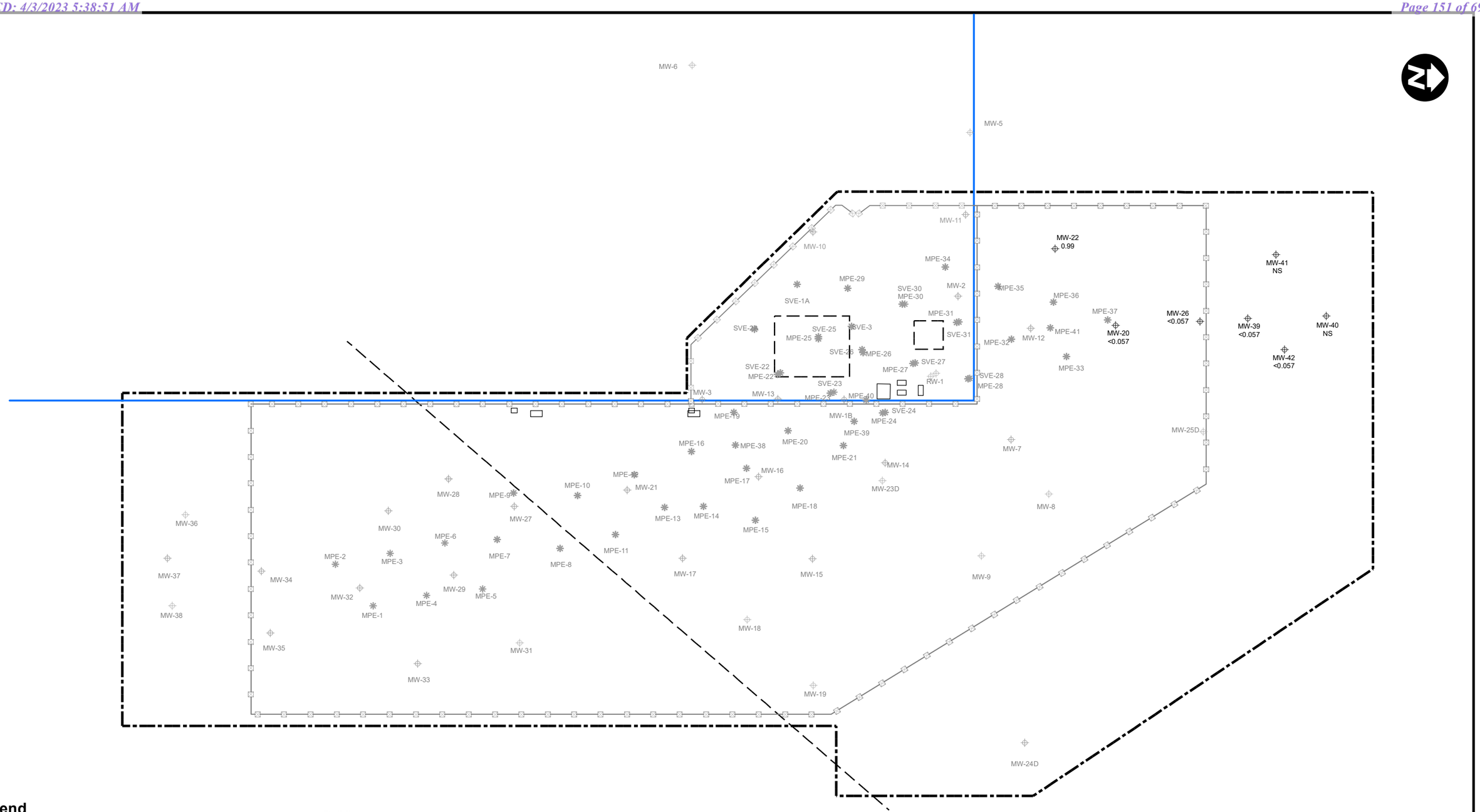
Distribution of Dissolved 1,4-Dioxane in the Perched Aquifer November 2022

DRAWN	CHECKED	DATE	FIGURE
SWS	JDD	JAN 2023	3-14b

File: Z:\Central Data\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-15a_Distribution of Dissolved 14Dioxane in the Upper Aquifer May 2022.mxd 3/17/2023 9:51:44 AM USSW70024



Legend

- Monitoring Well
- Multiphase Extraction Well
- Fence Line
- 5.3 1,4-Dioxane Concentration in ug/L
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
TRANSWESTERN COMPRESSOR STATION No.9
(ROSWELL COMPRESSOR STATION)
ROSWELL. CHAVES COUNTY, NEW MEXICO

PROJECT NO. EC02.20180005.00

WSP USA, Inc.
1880 West Oak Pkwy, Building 100, Suite 106
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(770)-973-2100

Distribution of Dissolved 1,4-Dioxane in the Upper Aquifer May 2022

DRAWN	CHECKED	DATE	FIGURE
SWS	JDD	JAN 2023	3-15a

Released to Imaging: 6/7/2024 10:32:31 AM

File: Z:\Central Data\USMGE100\Garnet\Premier\Projects\Energy Transfer\Transwestern-Roswell\2022 Report\Figures\Figure 3-15b_Distribution of Dissolved 14Dioxane in the Upper Aquifer Nov 2022.mxd 3/17/2023 9:55:31 AM USSW70024

MW-6
MW-5
MW-11 Dry
MW-10 Dry
MW-22 <0.833
MW-41 <0.833
MW-26 <0.833
MW-39 <1.0
MW-40 <0.833
MW-42 <0.870
MW-20 <0.833
MW-3
MW-13 <0.833
MW-1B
MW-14 <0.833
MW-16 NS
MW-23D
MW-25D
MW-7
MW-8
MW-28
MW-27 <0.833
MW-21 <0.833
MW-36
MW-30
MW-37 <0.833
MW-34 5.84
MW-32 2.76
MW-29 7.35
MW-38
MW-35 <0.833
MW-33
MW-31
MW-17 Dry
MW-15
MW-9
MW-18
MW-19
MW-24D <0.833

MPE-1 MPE-2 MPE-3 MPE-4 MPE-5 MPE-6 MPE-7 MPE-8 MPE-9 MPE-10 MPE-11 MPE-12 MPE-13 MPE-14 MPE-15 MPE-16 MPE-17 MPE-18 MPE-19 MPE-20 MPE-21 MPE-22 MPE-23 MPE-24 MPE-25 MPE-26 MPE-27 MPE-28 MPE-29 MPE-30 MPE-31 MPE-32 MPE-33 MPE-34 MPE-35 MPE-36 MPE-37 MPE-38 MPE-39 MPE-40 MPE-41

SVE-1A SVE-2 SVE-3 SVE-22 SVE-23 SVE-24 SVE-25 SVE-26 SVE-27 SVE-28 SVE-30 SVE-31

RW-1

MW-12

Legend

- Monitoring Well
- Multiphase Extraction Well
- Fence Line
- 5.3 1,4-Dioxane Concentration in ug/L
- NS Not sampled due to PSH in well
- Building
- Facility Boundary
- Station Pipeline
- Site Boundary

0 75 150 300 Feet

REPORT OF 2022 GROUNDWATER REMEDIATION ACTIVITIES
TRANSWESTERN PIPELINE COMPANY, LLC
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(770)-973-2100

Distribution of Dissolved 1,4-Dioxane in the Upper Aquifer November 2022

DRAWN	CHECKED	DATE	FIGURE
HVP	JDD	02/01/23	3-15b

APPENDICES

APPENDIX A

Released to Imaging: 6/7/2024 10:32:31 AM
Received by OCD: 4/3/2023 5:38:51 AM

Location Twp Roswell Station 9 Date 05/11/2022

Project / Client GW Monitoring 2022 For Earth Con Consultants, Inc. By: CMB Environmental & Geological Services, Inc. Page 1 OF 7

Arrive on-site @ 10:00 hours Sunny 80°F Wind SSE 5mph. Humidity 50° Barometric Pressure 28.91" Hg. Solinst I.P Serial #226949 Calibrated Hanna Instruments HI 98194 Multi-Parameter Meter. S/N 05400038101 Quick Cal Solution- 6.86 pH @25°C 5000 µs/cm @25°C Expires: 09/2025 Calibrated YSI 556 Serial #05F227KAL

Well	Dpsit	DTW	T.D.	3 Gallons 3C.V	Remarks
MW-37	Ø	60.07'	—	—	2" MW w/pump
MW-34	Ø	64.97'	75.75'	5.17	2" MW w/pump

pulled pump on MW-34 - To Gauge

MW-35	Ø	62.40'	—	—	2" MW w/pump

pulled pump on MW-35 To Gauge well.

Drought Conditions -

MW-32	Ø	68.55'	—	—	2" MW w/pump.
MW-33	Ø	66.51'	—	—	2" MW w/pump
MW-30	Ø	67.99'	—	—	2" MW w/pump
MW-28	Ø	~~71.04'~~ 71.40'	—	—	2" MW w/pump
~~MW-29~~		Had to pull pump to gauge well			

Location Twp Roswell Station 9 Date 05/11/2022

Project / Client GW Monitoring 2022 ~~By~~ For Earth Con Consultants, Inc./WSP By: CMB Environmental & Geological Services, Inc. Page 2 OF 7

Well #	Dpsit	DTW	T.D	3 C.V Gallons	Remarks
MW-29	Ø	70.85	~~74.80~~	1.75	2" MW w/pump

Drought Conditions Had to pull pump to gauge well.

MPE-7	Ø	69.33'	—	—	4" MPE well
MPE-9	Ø	69.39'	—	—	4" MPE well
MW-27	Ø	70.0	74.98	2.39	2" MW
MPE-8	Ø	67.65'	—	—	4" MPE well
MPE-11	Ø	65.21'	—	—	4" MPE well
MPE-10		67.60	68.95'	—	4" MPE w/pump

68.95' - 67.60 = 1.35' PSH Thickness

Wind picked up to +40mph Gusts left Site @ 15:00 hr.

05/12/2022 Arrive on-site @ 0750 hr. Sunny 71°F Wind WSW @ 8mph. Humidity @ 25% Barometric Pressure 29.75" Hg. Continued GW Monitoring

Rite in the Rain

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Released to Imaging: 6/7/2024 10:32:31 AM
Received by OCD: 4/3/2023 5:38:51 AM

Location Twp Roswell Station 9 Date 05/12/2022

Project / Client GW Monitoring 2022 For Earthcon Consultants Inc / WSP By: CMB Environmental & Geological Services, Inc. Page 3 of 7

Well #	DPSH	DTW	T.D.	gallons 3 CV	Remarks
MPE-12	66.30'	67.17	—	—	4" MPE well
	PSH Thickness = 67.17 - 66.30 = 0.87'				
MW-21	Ø	67.15	75	3.768	2" MW
MPE-13	Ø	66.42	—	—	4" MPE w/pump
	Had to pull pump to gauge well.				
	* Drought Conditions *				
MPE-14	65.80'	70.60'	—	—	4" MPE well w/pump
	Had to pull pump to Gauge well.				
	* Drought Conditions *				
	70.60 - 65.80 = 4.8' PSH Thickness				
MPE-16	68.83'	68.87	—	—	4" MPE w/pump
	Had to pull pump to gauge well.				
	* Drought - conditions *				
	68.87 - 68.83' = 0.04' PSH Thickness				
MW-17	Ø	63.47'	67.20'	1.79	2" MW
MW-15	Ø	61.89'	—	—	2" MW w/pump
MPE-15	Ø	65.88	—	—	4" MPE well
MW-16	~~Ø~~	67.53	—	—	2" MW
	67.55	69.10	= 1.55' PSH Thickness		
MPE-17	67.67'	68.50'	—	—	4" MPE w/pump
	68.50' - 67.67 = 0.83' PSH Thickness				

Location Twp Roswell Station 9 Date 05/12/2022

Project / Client GW Monitoring 2022 For Earthcon Consultants Inc / WSP By: CMB Environmental & Geological Services, Inc. Page 4 of 7

Well #	DPSH	DTW	T.D.	gallons 3 CV	Remarks
MPE-38	68.70	69.90	—	—	4" MPE w/pump
	69.90' - 68.70 = 1.2' PSH Thickness				
MPE-19	Ø	66.78	—	—	4" MPE well
MPE-20	65.11'	65.70	—	—	4" MPE w/pump
	65.70 - 65.11 = 0.59' PSH Thickness				
MPE-18	Ø	64.15'	—	—	4" MPE well
MPE-21	Ø	60.89	—	—	4" MPE w/pump
MPE-39	Ø	62.10'	—	—	4" MPE w/pump
SVE-24	Ø	Ø	28.70'	—	2" SVE well
MPE-24	Ø	60.48'	—	—	4" MPE w/pump
MW-14	Ø	55.90'	—	—	2" MW w/pump
MW-7	Ø	65.11'	—	—	2" MW
MPE-32	Ø	57.88'	—	—	4" MPE w/pump
MW-12	Ø	56.75'	—	—	2" MW
MPE-41	57.20'	61.0'			4" MPE w/pump
	61.0 - 57.20 = 4.39' PSH Thickness				
MPE-33	Ø	53.60'	—	—	4" MPE well
MPE-37	Ø	52.82'	—	—	4" MPE well
MPE-36	Ø	55.80	—	—	4" MPE well
MPE-35	Ø	60.05'	—	—	4" MPE w/pump

Rite in the Rain

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Location Twp Roswell Station 9 Date 05/12/2022

Project / Client GW Monitoring 2022 For Earthcon Consultants/WSP By: CMB Environmental & Geological Services, Inc. Page 5 of 7

Well	Dpsh	DTW	TD	Gallons 3CV	Remarks
MW-22	Ø	58.25	65.40	3.43	Turbid fine sand Clear H2O & sample Clear H2O
MW-26	Ø	55.53	65.0'	4.54	
MW 30	Ø	52.90	75.0	10.6	

Left Site 16:00 hr.

05/13/2022 Arrive on site @ 0730 hr

Sunny 55°F Wind NE 5mph

Humidity 11% Barometric Pressure ↑ 29.84" Hg.

Well	Dpsh	DTW	T.D.	Gallons 3CV	Remarks
MW-24D	Ø	65.0	—	—	4" Deep MW
MW-42	Ø	55.85	75.95	9.888	2" MW w/pump
MW-40	Ø	54.13	70.13	7.68	2" MW w/pump
MW-41	Ø	57.21	70.06	6.16	2" MW w/pump
MW-39	Ø	49.71	70.11	9.79	2" MW w/pump

Left Site @ 15:00 hr.

05/14/2022 Arrive on-site @ 0730hr. 57°F Wind NW @ 3mph Humidity 10% Barometric Pressure ↑ 29.87" Hg.

Location Twp Roswell Station 9 Date 05/14/2022

Project / Client GW Monitoring 2022 For Earthcon Consultants Inc./WSP By: CMB Environmental & Geological Services, Inc. Page 6 of 7

Well	Dpsh	DTW	T.D.	Gallons 3CV	Remarks
MW-11	Ø	65.53	69.0		2" MW
MPE-34	Ø	—	—	—	4" MPE well
	66.0	66.78	—	—	

66.78 - 66.0 = 0.78' psh Thickness

MPE-30	Ø	66.85	—	—	4" MPE well
SVE-30	Ø	43.01'	44.13'		2" SVE well
SVE-26	Ø	Ø	32.70'	—	2" SVE well
MPE-26	Ø	65.80	—	—	4" MPE well
SVE-3	Ø	Ø	62.0'	—	2" SVE well
MPE-29	Ø	68.60'	—	—	4" MPE well
MW-10	Ø	69.93	72.56	1.26	2" MW
SVE-1A	Ø	Ø	29.71'	—	2" SVE well
SVE-25	Ø	32.81	32.81		2" SVE well
MPE-25	Ø	68.34'	—	—	4" MPE well
SVE-2A	Ø	Ø	30.0	—	2" SVE well
MW-3	Ø	67.70'	—	—	2" MW
MW-13	Ø	65.50	—	—	2" MW w/pump
MPE-22	Ø	68.41	—	—	4" MPE well
SVE-22	Ø	~~Ø~~ 33.32'	33.32'	—	2" SVE well

Water in well is condensation

Rite in the Rain

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Location Twp Roswell Station 9 Date 05/14/2022

Project / Client GW Monitoring 2022 For Earthcon Consultants Inc. / WSP By: CMB Environmental & Geological Services Inc.

Well	DPSH	DTW	T.D.	Gallons SEV	Remarks
MW-2	∅	61.35'	—	—	2" MW
SVE-31	∅	∅	33.32'	∅	2" SVE well
MPE-31	64.64'	64.66	—	—	4" MPE w/pump
64.66 - 64.64 = 0.02' PSH Thickness					
MPE-28	∅	57.66	—	—	4" MPE well
	57.65				
57.66 - 57.65 = 0.01' PSH Thickness					
SVE-28	∅	29.10	34.85'	2.76	2" SVE well
RW-1	∅	33.60	42.35'	17.06	4" MW w/pump
MPE-27	∅	64.75	—	—	4" MPE w/pump
SVE-27	∅	∅	33.80	—	2" SVE well
MPE-40	64.40'	64.70	—	—	4" well 2" pump
64.70 - 64.40' = 0.30' PSH Thickness					
MW-1B	62.30'	62.77	—	—	2" MW
62.77 - 62.30' = 0.47' PSH Thickness					
MPE-23	∅	64.30	—	—	4" MPE well w/pump
SVE-23	33.30	33.89	—	—	2" SVE well
33.89 - 33.30 = 0.59 PSH Thickness					

Left Site @ 16:00 hours

PG.

Location _____ Date _____

Project / Client _____

Rite in the Rain

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Location Twp Roswell Station 9 Date 05/17/2022

Project / Client GW Monitoring 2022 For Earthcon Consultants Inc. / WSP By: CMB Environmental & Geological Services, Inc.

Page 7 of 7

Well	DPSH	DTW	T.D.	Gallons Bailed	Remarks
MW-2	∅	61.35'	—	—	2" MW
SVE-31	∅	∅	33.32'	∅	2" SVE well
MPE-31	64.64'	64.66	—	—	4" MPE w/pump
64.66 - 64.64 = 0.02' PSH Thickness					
MPE-28	∅	57.66	—	—	4" MPE well
	57.65				
57.66 - 57.65 = 0.01' PSH Thickness					
SVE-28	∅	29.10	34.85'	2.76	2" SVE well
RW-1	∅	33.60	42.35'	17.06	4" MW w/pump
MPE-27	∅	64.75	—	—	4" MPE w/pump
SVE-27	∅	∅	33.80	—	2" SVE well
MPE-40	64.40'	64.70	—	—	4" well 2" pump
64.70 - 64.40' = 0.30' PSH Thickness					
MW-1B	62.30'	62.77	—	—	2" MW
62.77 - 62.30' = 0.47' PSH Thickness					
MPE-23	∅	64.30	—	—	4" MPE well w/pump
SVE-23	33.30	33.89	—	—	2" SVE Well
33.89 - 33.30 = 0.59 PSH Thickness					

Left Site @ 16:00 hour.

PG.

Location Twp Roswell Station 9 Date 05/19/22

Project / Client GW Monitoring 2022 Re-Gauge MPE-14 For Earthcon Consultants, Inc. / WSP By: CMB Environmental & Geological Services, Inc.

Page 1 of 1

Arrive On-Site @ 10:00 hr.
Sunny 75°F Wind NE @ 6 mph
Humidity 16% Barometric Pressure 29.65" Hg.

MPE-14: 4" MPE Well with Pump- @ 10:07 hr.
DPSH = 65.77'
DTW = 67.82'

67.82' - 65.77' = 0.05'
PSH Thickness- .15
Left Site @ 10:~~30~~ 15 hr.

PG.

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GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station 9	SITE LOCATION: 6381 North Main Street Roswell NM 88201		
WELL NO: MW-34	SAMPLE ID: MW-34	DATE: 05/11/2022	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 49 feet to 79 feet	STATIC DEPTH TO WATER (feet): 64.97	PURGE PUMP TYPE OR BAILER: BP ~~Disposable Bailer~~

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (75.75 feet – 64.97 = 10.78 feet) X 0.14 gallons/foot = 1.72 gallons

3 WELL VOLUMES = 5.17 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 11:35	PURGING ENDED AT: 12:07	TOTAL VOLUME PURGED (gallons): 5.25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
11:35	0	Initial	0.10	64.97	6.89	22.11	3781	5.65	-3.1	Turbid	None
11:45	1	1.0	0.10		7.06	22.51	3774	4.58	-42.2	Clear	None
11:50	2	2.0	0.20		7.08	20.67	3766	6.94	-61.5	Clear	None
11:55	3	3.0	0.20		7.07	20.85	3757	4.61	-69.8	Clear	None
12:00	4	4.0	0.20		7.06	20.64	3769	4.74	-75.2	Clear	None
12:07	5.25	5.25	0.20		7.06	20.95	3729	4.76	-77.5	Clear	None

INSTRUMENTS USED: YSI 556 / Hanna 98194 Multi-Parameter Meters.

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M Barnhill, CMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 12:07	SAMPLING ENDED AT: 12:10

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N replaced) DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-34	3	CG	40mL	HCl	120mL	7.06	BTEX 8260	BP	0.20
Duplicate MW-34	3	CG	40mL	HCl	120mL	7.06	BTEX 8260	BP	2.0

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME: Twp Roswell Station 9		SITE LOCATION: 6381 N. Main ST. Roswell, NM 88201	
WELL NO: MW-29	SAMPLE ID: MW-29		DATE: 05/11/2022

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 60 feet to 75 feet	STATIC DEPTH TO WATER (feet): 70.85	PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (74.50 feet – 70.85 = 3.65 feet) X 0.16 gallons/foot = 0.584 gallons

3 WELL VOLUMES = 1.75 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 13:11	PURGING ENDED AT: 13:29	TOTAL VOLUME PURGED (gallons): 1.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
13:11	Initial	0	0.10	70.85	7.53	28.74	4075	2.33	-35.8	Tolgo	None
13:21	1.0	1.0	0.10	/	7.03	25.04	3881	1.54	-79.2	Clear	None
13:26	1.5	1.5	0.10	/	7.00	24.30	3846	2.53	-93.1	Clear	None
13:29	1.75	1.75	0.10	/	6.98	24.17	3834	2.60	-99.9	Clear	None

INSTRUMENTS USED: YSI 556 / Horiba 98194 Multi. Parameter Probe.

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M Barnhill / CMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:30	SAMPLING ENDED AT: 13:35
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-29	3	CG	40mL	HCL	120 mL	6.98	BTEX 8260	BP	0.10

REMARKS:

MATERIAL CODES: AG = Amber Glass; (CG) = Clear Glass; (PE) = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

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GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station 9	SITE LOCATION: 6381 N. Main St. Roswell, NM 88201		
WELL NO: MW-27	SAMPLE ID: MW-27	DATE: 05/11/2022	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 55 feet to 75 feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR (BAILER) HDPE Disposable

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY

= (74.98 feet − 70.0 = 4.98 feet) X 0.16 gallons/foot = 0.7968 gallons

3 WELL VOLUMES = 2.39 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 13:50	PURGING ENDED AT: 13:58	TOTAL VOLUME PURGED (gallons): 2.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
13:51	Initial	0	0.25	70.0	6.51	22.44	4114	2.16	-151.8	Clear	Hydrocarbon odor
13:53	1.0	1.0	0.25	/	6.58	21.51	4073	2.05	-141.3	Clear	HC odor
13:56	2.0	2.0	0.25	/	6.61	20.46	3967	2.08	-132.4	TURBID	HC odor
13:58	2.50	2.50	0.25	/	6.69	20.69	3958	2.75	-131.3	TURBID	STRONG HC ODOR

INSTRUMENTS USED: YSI 556 MPS / Hanna 98194 Multi Parameter Meter

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2") = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: (B) = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton McBarnhill, CMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 14:00	SAMPLING ENDED AT: 14:03
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-27	3	CG	40mL	HCl	120mL	6.69	BTEX 8260	B	0.25

REMARKS:

MATERIAL CODES: AG = Amber Glass; (CG) = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; (B) = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

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GROUNDWATER SAMPLING LOG

SITE NAME:	Twp Roswell Station #9	SITE LOCATION:	6381 N Main St. Roswell, NM 88201
WELL NO:	MW-21	SAMPLE ID:	MW-21
DATE:	05/12/2022		

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 54' feet to 74' feet	STATIC DEPTH TO WATER (feet): 67.15	PURGE PUMP TYPE OR BAILER: (BP)

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (75 feet – 67.15 = 7.85 feet) X 0.16 gallons/foot = 1.256 gallons

3 WELL VOLUMES = 3.768 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 0827	PURGING ENDED AT: 0913	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
0827	Initial	0	0.166	67.15	7.07	20.15	2945	~~2945~~	7.9	Clear	None
0833	1.0	1.0	0.166	/	7.15	20.16	3033	6.80	-82.1	Clear	None
0839	2.0	2.0	0.166	/	6.91	20.14	2944	6.76	-100.5	Clear	None
0853	3.0	3.0	0.071	/	6.92	20.58	3056	6.71	-108.6	Clear	None
0912	4.0	4.0	0.071	/	6.94	20.55	3077	6.49	-112.8	Clear	None

INSTRUMENTS USED: YSI 556 MPS / Hanna 98194 Multi Parameter Meter

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; (1/2") = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0913	SAMPLING ENDED AT: 0917
Clayton M Barnhill / CMB			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ___ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-21	3	CG	40mL	HCl	120mL	6.94	BTEX 8260	BP	0.071
Duplicate MW-21	3	GG	40mL	HCl	120 mL	6.94	BTEX 8260	BP	0.071

REMARKS:

MATERIAL CODES: AG = Amber Glass; (CG) = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

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GROUNDWATER SAMPLING LOG

SITE NAME: Twp Roswell Station 9	SITE LOCATION: 6381 N Main St. Roswell, NM 88201		
WELL NO: MW-17	SAMPLE ID: MW-17	DATE: 05/12/2022	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH 53 feet to 68 feet	STATIC DEPTH TO WATER (feet): 63.47	PURGE PUMP TYPE OR BAILER: Poly Disposable

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY

= (67.20 feet − 63.47 = 3.73 feet) X 0.16 gallons/foot = 0.5968 gallons

3 WELL VOLUMES = 1.79 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 0935	PURGING ENDED AT: 0941	TOTAL VOLUME PURGED (gallons): 2.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
0935	Initial	0	0.25	63.47	7.17	19.91	3827	2.60	-87.5	Turbid	None
0937	1.0	1.0	0.25	/	7.22	19.54	4262	2.65	-70.2	Turbid	None
0939	1.5	1.5	0.25	/	7.23	19.58	4274	2.09	-63.1	Turbid	None
0941	2.0	2.0	0.25	/	7.25	19.46	4281	2.10	-51.5	Turbid	None

INSTRUMENTS USED: YSI 556 MPS / Hanna 98194 Multi Parameter Probe

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M Barnhill / CMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0942	SAMPLING ENDED AT: 0950
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y N (replaced)	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-17	3	CG	40mL	~~H2SO4~~ HCl	120 mL	7.25	BTEX 8260	B	0.25
Duplicate MW-17	3	CG	40mL	HCl	120 mL	7.25	BTEX 8260	B	0.25

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

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GROUNDWATER SAMPLING LOG

SITE NAME: TWP. Roswell Station 9 | SITE LOCATION: 6381 N Main St. Roswell, NM 88201

WELL NO: MW-16 | SAMPLE ID: MW-16 | DATE: 05/12/2023

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 46.4 feet to 71.4 feet	STATIC DEPTH TO WATER (feet): 69.10	PURGE PUMP TYPE OR BAILER: Poly Disposable

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (feet – feet) X gallons/foot = gallons

3 WELL VOLUMES = gallons

*No Sample

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
				PSH @ 67.55' FROM TOC							
				H2O @ 69.10' FROM TOC							
				69.10 - 67.55 = 1.55' PSH/NAPL Thickness							

INSTRUMENTS USED: No Sample

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: (B) = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M Barnhill / EMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
					N/A				

REMARKS: No Sample NAPL / PSH in well

MATERIAL CODES: AG = Amber Glass; (CG) = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; (B) = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

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GROUNDWATER SAMPLING LOG

SITE NAME:	TAP Roswell Station 9	SITE LOCATION:	6381 N. Main ST. Roswell, NM 88201
WELL NO:	MW-22	SAMPLE ID:	MW-22
DATE:	05/12/2022		

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 50 feet to 65 feet	STATIC DEPTH TO WATER (feet): 58.25	PURGE PUMP TYPE OR BAILER: Disposable Poly

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (65.40 feet – 58.25 = 7.15 feet) x 0.16 gallons/foot = 1.14 gallons

3 WELL VOLUMES = 3.43 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 13:30	PURGING ENDED AT: 13:41	TOTAL VOLUME PURGED (gallons): 3.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
13:30	Initial	0	0.25	58.25	7.36	21.14	4076	5.69	-5.0	Turbid	None
13:34	1	1	0.25	/	7.32	19.73	4059	5.27	-4.4	Turbid	None
13:37	2	2	0.25	/	7.29	21.43	4048	5.74	-1.3	Turbid	None
13:41	3.5	3.5	0.25	/	7.23	21.12	4040	5.28	-7.1	Turbid	None

INSTRUMENTS USED: YSI 556 MPS / Hanna 98194 Multi Parameter Meter

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: (B = Bailer); BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:42	SAMPLING ENDED AT: 1350
Clayton M Barnhill / CMB			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-22	3	CG	40mL	HCL	120 mL	7.23	8260 VOC	B	0.25
MW-22	2	AG	1 Liter	None	2 Liter	7.23	1,4 Dioxane	B	0.25

REMARKS: Turbid Brown Sand

MATERIAL CODES: (AG) Amber Glass; (CG) Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; (B = Bailer); BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

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GROUNDWATER SAMPLING LOG

SITE NAME:	TWP Roswell Station 9	SITE LOCATION:	6381 N. Main St. Roswell, NM, 88201
WELL NO:	MW-26	SAMPLE ID:	MW-26
DATE:	05/12/22		

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 43 feet to 63 feet	STATIC DEPTH TO WATER (feet): 55.53	PURGE PUMP TYPE OR BAILER: (BP)

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (65 feet – 55.53 = 9.47 feet) X 0.16 gallons/foot = 1.515 gallons

3 WELL VOLUMES = 4.54 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1419	PURGING ENDED AT: 1433	TOTAL VOLUME PURGED (gallons): 4.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
1419	Initial	0	~~0.33~~ 0.33	55.53	7.11	18.19	4104	3.72	34.3	TURBID	None
1422	1.0	1.0	~~0.33~~ 0.33	0.35	6.97	19.97	4092	4.59	40.5	TURBID	None
1425	2.0	2.0	~~0.33~~ 0.33	0.33	7.02	19.07	4093	3.44	41.2	TURBID	None
1428	3.0	3.0	0.33	/	6.97	19.03	4114	4.35	44.4	TURBID	None
1431	4.0	4.0	0.33	/	6.94	19.15	4059	4.28	47.4	Clear	None
1433	4.75	4.75	0.33	/	6.94	19.21	~~4052~~ 4052	4.14	47.3	Clear	None

INSTRUMENTS USED: YSI 556 MPS / Hanna 98194 Mult. Parameter Meter

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; (1/2" = 0.010); 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M Barnhill / CMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1434	SAMPLING ENDED AT: 1437
PUMP OR TUBING DEPTH IN WELL (feet): 56.63'	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-26	3	CG	40mL	HCL	120mL		8260 VOC's	BP	
MW-26	2	AG	1 Liter	None	2 Liter		1,4 Dioxane	BP	

REMARKS: Placed Purged H2O in-on site 55 Gallon Drum

MATERIAL CODES: AG = Amber Glass; (CG) = Clear Glass; (PE) = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

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GROUNDWATER SAMPLING LOG

SITE NAME: Twp Roswell Station 9	SITE LOCATION: 6381 N. Main St. Roswell, NM 88201		
WELL NO: MW-42	SAMPLE ID: MW-42	DATE: 05/13/2022	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 50 feet to 70 feet	STATIC DEPTH TO WATER (feet): 55.35	PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY

= (75.95 feet − 55.35 = 20.6 feet) X 0.16 gallons/foot = 3.29 gallons

3 WELL VOLUMES = 9.888 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
64.03	64.03	0856	0928	10

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
0856	Initial	0	0.40	55.35	6.91	18.76	4020	6.51	17.3	Turbid	None
0901	2	2	0.40		6.98	18.71	4021	6.01	17.5	Turbid	None
0906	4	4	0.40		6.99	18.77	4023	5.37	20.6	Turbid	None
0912	6	6	0.40		6.99	19.15	4014	4.98	25.0	Turbid	None
0921	8	8	0.22		7.12	19.20	4043	4.79	20.6	Clear	None
0928	10	10	0.288		7.03	18.88	4030	4.80	26.8	Clear	None

INSTRUMENTS USED: YSI 55 MPS / Hanna 98194 Multi-Parameter Meter

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; (1/2" = 0.010); 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; (BP = Bladder Pump); ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Clayton M Barnhill / CMB	Clayton M Barnhill	0929	0935

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
64.03	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-42	3	CG	40mL	HCl	120mL	7.03	VOC's 8260	BP	0.285
MW-42	2	AG	1 Liter	None	2 Liter	7.03	8270 1,4 Dioxane	BP	0.285

REMARKS: Placed Purged H2O in On-site 55 Gallon Drum

MATERIAL CODES: (AG) = Amber Glass; (CG) = Clear Glass; (PE) = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

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GROUNDWATER SAMPLING LOG

SITE NAME:	TWP Roswell Station 9	SITE LOCATION:	6381 N Main ST. Roswell, NM
WELL NO:	MW-40	SAMPLE ID:	MW-40
		DATE:	05/13/2022

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 50 feet to 70 feet	STATIC DEPTH TO WATER (feet): 54.13	PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY

= (70.13 feet − 54.13 = 16 feet) X 0.16 gallons/foot = 2.56 gallons

3 WELL VOLUMES = 7.68 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
62.31	62.31	0945	10:05	7.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
0945	Initial	0	0.50	54.13	7.14	19.19	4013	5.67	31.7	Clear	None
0949	2	2	0.50		7.08	19.23	4002	5.41	33.2	Clear	None
0953	4	4	0.50		7.07	19.43	3994	5.32	33.8	clear	None
10:01	6	6	0.50		7.07	18.92	3983	5.38	34.5	Clear	None
10:05	7.75	7.75	0.50		7.03	19.10	3980	4.94	35.7	Clear	None

INSTRUMENTS USED: YSI 556 MPS / Hanna 98194 Multi-Parameter Meter

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M Barnhill / CMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:06	SAMPLING ENDED AT: 10:10
PUMP OR TUBING DEPTH IN WELL (feet): 62.31'	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-40	3	CG	40mL	HCl	120 mL	7.03	8260 VOC's	BP	0.50
MW-40	2	AG	1 Liter	None	2 Liter	7.03	~~8270~~ 1,4 Dioxane	BP	0.50

REMARKS: Placed purged H2O in On-Site Drum.

MATERIAL CODES: (AG) = Amber Glass; (CG) = Clear Glass; (PE) = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

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GROUNDWATER SAMPLING LOG

SITE NAME:	Twp Roswell Station 9	SITE LOCATION:	6381 N. Main ST. Roswell, NM 88201
WELL NO:	MW-41	SAMPLE ID:	MW-41
DATE:	05/13/2022		

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 50 feet to 70 feet	STATIC DEPTH TO WATER (feet): 57.21	PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY

= (70.06 feet − 57.21 = 12.85 feet) X 0.16 gallons/foot = 2.056 gallons

3 WELL VOLUMES = 6.16 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
58.49	58.49	10:24	10:42	6.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
10:24	Initial	0	0.33	57.21	7.13	19.56	3909	5.41	39.7	Clear	None
10:30	2	2	0.33	/	7.03	19.74	3910	5.59	42.8	Clear	None
10:36	4	4	0.33	/	7.03	19.91	3918	5.48	43.5	Clear	None
10:42	6.75	6.75	0.33	/	7.04	20.01	3915	5.46	43.7	Clear	None

INSTRUMENTS USED: YSI 556 MPS / Hanna 98194 Mult. - Parameter Meter

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; (1/2" = 0.010); 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; (BP = Bladder Pump); ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M. Barnhill / CMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1043	SAMPLING ENDED AT: 10:50
PUMP OR TUBING DEPTH IN WELL (feet): 58.49	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-41	3	CG	40mL	HCL	120 mL	7.04	8260 VOC's	BP	0.33
MW-41	2	A	1 Liter	None	2 Liters	7.04	8270 1,4 Dioxane	BP	0.33

REMARKS: Placed Purged H_2O in - on-site Drum

MATERIAL CODES: AG = Amber Glass; (CG = Clear Glass); (PE = Polyethylene); PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; (BP = Bladder Pump); ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

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GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station 9	SITE LOCATION: 6381 N. Main ST. Roswell, NM 88201		
WELL NO: MW-39	SAMPLE ID: MW-39	DATE: 05/14/2025	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 50 feet to 70 feet	STATIC DEPTH TO WATER (feet): 49.71	PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY

= (70.11 feet − 49.71 = 20.4 feet) X 0.16 gallons/foot = 3.26 gallons

3 WELL VOLUMES = 9.79 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 64.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 64.0'	PURGING INITIATED AT: 0818	PURGING ENDED AT: ~~0855~~ 0905	TOTAL VOLUME PURGED (gallons): 10

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
0818	Initial	0	0.28	49.71	7.01	18.99	3157	7.48	−11.1	Clear	None
0825	2	2	0.268		7.00	18.99	3181	6.39	−2.0	Clear	None
0835	4	4	0.20		7.01	19.09	3179	5.55	11.2	Clear	None
0845	6	6	0.20		7.02	19.16	3184	5.49	17.5	Clear	None
0855	8	8	0.20		7.02	19.16	3183	5.43	18.4	Clear	None
0905	10	10	0.20		7.02	19.15	3184	5.44	18.9	Clear	None

INSTRUMENTS USED: YSI 556 MPS / Hanna 78194 Multi-Parameter

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; (1/2" = 0.010); 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; (BP = Bladder Pump); ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M. Barnhill / Ecms	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0906	SAMPLING ENDED AT: 0912
PUMP OR TUBING DEPTH IN WELL (feet): 64.0	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-39	3	CG	40mL	HCl	120 mL	7.02	8260 VOCs	BP	0.20
	2	AG	1 Liter	None	2 Liters	7.02	8270 1,4 Dioxane	BP	0.20
Duplicate MW-39	3	~~40mL~~ CG	40mL	HCl	120mL	7.02	8260 VOCs	BP	0.20
MW-39	2	AG	1 Liter	None	2 Liters	7.02	8270 1,4 Dioxane	BP	0.20

REMARKS: Place of Purged water in on-site 55 Gallon Drum

MATERIAL CODES: (AG = Amber Glass; CG = Clear Glass; ~~PE~~ = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME:	TWP Roswell Station 9	SITE LOCATION:	6381 N. Main St. Roswell NM 88201
WELL NO:	MW-11	SAMPLE ID:	MW-11
		DATE:	05/14/2022

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 54 feet to 69 feet	STATIC DEPTH TO WATER (feet): 65.53	PURGE PUMP TYPE OR (BAILER) Poly Disposable

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY

= (69.0 feet − 65.53 = 3.47 feet) X 0.16 gallons/foot = 0.555 gallons

3 WELL VOLUMES = 1.665 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 0920	PURGING ENDED AT: 0926	TOTAL VOLUME PURGED (gallons): 1.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
0920	Initial	0	0.25	65.53	7.11	19.83	3257	3.67	27.2	TURBID	None
0923	1.0	1.0	0.25	/	7.12	19.62	3242	3.67	26.5	TURBID	None
0924	1.5	1.5	0.25	/	7.20	19.59	3240	3.60	26.1	TURBID	None
0926	1.75	1.75	0.25	/	7.16	19.48	3242	3.57	27.0	TURBID	None

INSTRUMENTS USED: YSI 556 MPS / Hanna 78194 Multi-Parameter Meter

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: (B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0927	SAMPLING ENDED AT: 0930
Clayton McBurnhill / CMB			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ___ µm
/	/		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-11	3	CG	40mL	HCl	120 mL	7.16	BTEX 8260	B	0.25
Duplicate MW-11	3	CG	40mL	HCl	120 mL	7.16	BTEX 8260	B	0.25

REMARKS:

MATERIAL CODES: AG = Amber Glass; (CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; (B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

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GROUNDWATER SAMPLING LOG

SITE NAME: Twp Roswell Station 9	SITE LOCATION: 6381 N. Main St. Roswell, NM 88201		
WELL NO: SVE-30	SAMPLE ID: SVE-30	DATE: 05/14/22	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 43.01	PURGE PUMP TYPE OR BAILER

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (44.13 feet – 43.01 = 1.12 feet) X 0.16 gallons/foot = 0.179 gallons

3 WELL VOLUMES = 0.53 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)

No Parameters Taken.
Small Water Column
Sample Immediately
Strong hydrocarbon odor & Sheen
Would not put probes in water.

INSTRUMENTS USED:

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Clayton McBarnhill, Jenna	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0943	SAMPLING ENDED AT: 0945
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SVE-30	3	CG	40mL	HCl	120 mL	N/A	8260 VOC's	B	0.25

REMARKS:

MATERIAL CODES: (AG) = Amber Glass; (CG) = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; (B) = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

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GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station #9	SITE LOCATION: 6381 N. Main ST. Roswell, NM 88201		
WELL NO: MW-10	SAMPLE ID: MW-10	DATE: 05/14/2022	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 57 feet to 72 feet	STATIC DEPTH TO WATER (feet): 69.93	PURGE PUMP TYPE OR BAILER: Poly Disposable

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (72.56 feet – 69.93 = 2.63 feet) X 0.16 gallons/foot = 0.420 gallons

3 WELL VOLUMES = 1.26 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 10:36	PURGING ENDED AT: 10:41	TOTAL VOLUME PURGED (gallons): 1.25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
10:36	Initial	0	0.25	69.93	7.16	20.56	3210	2.91	29.7	Tan	None
10:37	0.50	0.50	0.25		7.16	19.95	3205	2.96	30.1	Tan	None
10:39	1.0	1.0	0.25		7.19	20.08	3199	2.99	29.7	Tan	None
10:41	1.25	1.25	0.25		7.20	20.27	3205	2.92	30.1	Tan	None

INSTRUMENTS USED: YSI 556 MPS / Hanna 78194 Multi-Parameter Meter

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:42	SAMPLING ENDED AT: 10:45
Clayton Barnhill / CMB			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-10	3	CG	40mL	HCL	120 mL	7.20	BTEX 8260	B	0.25

REMARKS:

MATERIAL CODES: AG = Amber Glass; (CG) = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

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GROUNDWATER SAMPLING LOG

SITE NAME:	Twp Roswell Station 9	SITE LOCATION:	6381 N. Main St.
WELL NO:	SVE-31	SAMPLE ID:	SVE-31
DATE:	05/14/2022		

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (feet – feet) X gallons/foot = gallons

3 WELL VOLUMES = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)

Water level is Caused By Condensation in well at Total Depth T.D = 33.32'

INSTRUMENTS USED: *NO SAMPLE*

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced) DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

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GROUNDWATER SAMPLING LOG

SITE NAME: Twp Roswell Station 9		SITE LOCATION: 6381 N. Main St. Roswell, NM 88201	
WELL NO: 2 SVE-28	SAMPLE ID: SVE-28		DATE: 05/14/2022

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 29.10	PURGE PUMP TYPE OR BAILER: Poly Disposable

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (34.85 feet – 29.10 = 5.75 feet) X 0.16 gallons/foot = 0.92 gallons

3 WELL VOLUMES = 2.76 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 13:11	PURGING ENDED AT: 13:18	TOTAL VOLUME PURGED (gallons): 2.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
13:11	Initial	0	0.25	29.10	7.04	25.20	2697	0.79	11.2	Clear	H2S
13:14	1	1	0.25		6.95	22.37	2698	0.66	-88.7	TURBID	Strong hydrocarbon
13:16	2	2	0.25		6.96	21.68	2649	0.54	-111.3	TURBID	Strong HC
13:18	2.75	2.75	0.25		6.98	21.63	2644	0.73	-114.2	TURBID	HC

INSTRUMENTS USED: YSI MPS 556 / Hanna 75194 Multi-Parameter Meter

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:20	SAMPLING ENDED AT: 13:25
Clayton M Barnhill / CMB			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SVE-28	3	CG	40mL	HCL	120 mL	6.95	8260 VOC's	B	0.25
SVE-28	2	AG	1 Liter	None	2 LITERS	6.95	8270 1,4 Dioxane	B	0.25

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME:	Twp Roswell Station 9	SITE LOCATION:	6381 N. Main St. Roswell, NM 88201
WELL NO:	RW-1	SAMPLE ID:	RW-1
DATE:	05/14/2022		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 33.60	PURGE PUMP TYPE OR (BAILER)

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (42.35 feet – 33.60 – 8~~7~~ feet) X 0.65 gallons/foot = 5.687 gallons

3 WELL VOLUMES = 17.06 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 13:30	PURGING ENDED AT: 13:53	TOTAL VOLUME PURGED (gallons): 17.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
13:32	Initial	0	1.0	33.60	6.87	23.15	2928	0.58	-233.7	TURBID	Strong HC odor
13:38	5	5.0	1.0		6.93	23.15	2925	0.57	-228.6	TURBID	" "
13:43	10	10.0	1.0		6.90	23.25	2956	0.60	-294.5	"	" "
13:49	15	15.0	1.0		6.89	23.24	2947	0.59	-227.0	Slight Black	Strong HC
13:53	17.0	17.0	1.0		6.89	23.30	2926	0.58	-229.6	" "	" "

INSTRUMENTS USED: YSI 556 MPS / Hanna 78194 Mult. Parameter meter

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; (4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: (B = Bailer); BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:54	SAMPLING ENDED AT: 14:00
Clayton M. Barnhill / Tetra Tech			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (~~mL~~ per minute)
RW-1	3	CG	40mL	HCl	120 mL	6.89	8260 VOC's	B	~~3~~ 1.0
RW-1	2	AG	1 Liter	None	1 Liter	6.89	8270 w/ 1,4 Dioxane	B	1.0

REMARKS:

MATERIAL CODES: (AG) = Amber Glass; (CG) = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; (B = Bailer); BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

GROUNDWATER SAMPLING LOG

SITE NAME: Twp Roswell Station 9	SITE LOCATION: 6381 N Main ST. Roswell, NM 88201		
WELL NO: MW-20	SAMPLE ID: MW-20	DATE: 05/12/2022	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 54 feet to 74 feet	STATIC DEPTH TO WATER (feet): 52.90	PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (75 feet – 52.90 = 22.1 feet) X 0.16 gallons/foot = 3.536 gallons

3 WELL VOLUMES = 10.60 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
68.21	68.21	1500	1540	10.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
1500	Initial	0	0.50	52.90	7.18	21.79	4105	3.07	39.2	Clear	None
1504	2.0	2.0	0.50		7.13	19.33	4079	2.06	42.8	Clear	None
1513	4.0	4.0	0.27		7.11	19.51	4077	2.29	44.9	Clear	None
1522	6.0	6.0	0.27		7.10	19.76	4075	2.32	46.5	Clear	None
1531	8.0	8.0	0.27		7.10	19.78	4076	1.61	-17.0	Clear	None
1540	10.60	10.60	0.27		7.10	19.87	4073	1.58	-17.2	Clear	None

INSTRUMENTS USED: YSI 556 MPS/ Honna 98194 Multi-Parameter Meter

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT USED: B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M Barnhill/CMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1542	SAMPLING ENDED AT: 1545
PUMP OR TUBING DEPTH IN WELL (feet): 68.21	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-20	3	CG	120mL	HCl	120 mL	7.10	8260 VOC's	BP	0.22
MW-20	2	AG	1 Liter	None	2 Liter	7.10	8270 SIM C 1,4 Dioxane	BP	0.22

REMARKS: Placed purged H2O in on-site Drum.

MATERIAL CODES: (AG) = Amber Glass; (CG) = Clear Glass; (PE) = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Released to Imaging: 6/7/2024 10:32:31 AM
Received by OCD: 4/3/2023 5:38:51 AM

Location TWP Roswell station 9 Date 11/08/2022

Project / Client GW Monitoring 2022

Earthcon/WSP By: CMB

Environmental & Geological Services, Inc

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Arrive on-site @ 11:00 hr.

Cloudy 70°F W 15 mph N

62% Humidity Barometric

Pressure 30.02" Hg

Began Gauging MW's, SVE wells, MPE wells. Solonist I.P

Serial # 222719 @ 11:20 hr.

Well	Dpsh	DTW	T.D.	Remarks
MW-11	Ø	65.70'	68.10'	11/08/22 @ 11:26 2" MW
MW-10	Ø	70.14'	71.15'	11/08/22 @ 11:34 2" MW
MPE-34	Ø	66.10'	77.30'	4" MPE well 11/08/22 @ 11:38
MPE-30	Ø	67.35'	77.80'	11/08/22 @ 11:44 4" MPE Well
SVE-30	Ø	43.27'	43.80'	11/08/22 @ 11:43 2" SVE Well
MPE-25	Ø	68.52'	77.20'	11/08/22 @ 11:55 4" MPE Well
SVE-25	Ø	Ø DRY	34.80'	11/08/22 @ 11:58 2" SVE Well.
MPE-22	Ø	68.57'	77.10'	11/08/22 @ 12:01 4" MPE Well
SVE-22	Ø	Ø DRY.	33.10'	11/08/22 @ 12:04 2" SVE Well
MW-3	Ø	67.95'	70.50'	11/08/22 @ 12:09 2" MW
MW-13	Ø	66.30'	69.75'	11/08/22 @ 12:12 2" MW pulled pump
MPE-23	Ø	64.56'	—	11/08/22 @ 12:18 4" MPE W/pump
SVE-23	32.65	32.66	34.0	11/08/22 @ 13:22 2" SVE Well
MW-18	62.50	62.75	64.60'	11/08/22 @ 13:20 2" MW
MPE-29	Ø	68.80'	78.50'	11/08/22 @ 11:48 4" MPE Well

Location TWP Roswell station Date 11/08/22

Project / Client GW Monitoring 2022

Earthcon/WSP By: CMB

Environmental & Geological Services, Inc

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Well	Dpsh	DTW	T.D.	Remarks
MPE-40	2" Pump stuck in well			could not gauge
SVE-26	Ø	Ø DRY	34.63'	11/08/22 @ 12:25 2" SVE Well
MPE-26	Ø	66.0'	76.2'	11/08/22 @ 12:23 4" MPE well
~~MPE~~ SVE-27	Ø	~~33.45~~ Ø DRY.	33.45'	11/08/22 @ 12:35 2" SVE Well
MPE SVE-27	Ø	66.46'	pulled pump 78.80'	11/08/22 @ 12:30 4" MPE W/ pump
MPE-28	Ø	57.92'	77.65'	11/08/22 @ 12:45 4" MPE Well
SVE-28	Ø	28.60'	34.70'	11/08/22 @ 12:46 2" SVE Well
~~MPE-31~~	~~Ø~~	~~Ø DRY~~		
SVE-31	Ø	Ø Dry	33.30'	11/08/22 @ 12:50 2" SVE Well
MW-2	Ø	61.37'	61.40'	11/08/22 @ 12:58 2" MW
SVE-3	Ø	Ø Dry	61.56'.	11/08/22 @ 12:4 2" Pilot Test SVE Well
SVE-1A	Ø	Ø DRY	29.60'	11/08/22 @ 11:51 2" pilot Test SVE
SVE-2A	Ø	Ø DRY	29.70'	11/08/22 @ 12:06 2" pilot Test SVE
RW-1	Ø 32.95	~~33.0~~	~~42.0~~	11/08/22 @ 12:39 4" MW/Recovery well
MPE-31	Ø	67.20'	pulled pump 78.0'	11/08/22 @ 12:52 4" MPE W/pump
MW-14	Ø	56.55'	pulled pump 64.40'	11/08/22 @ 13:28 2" MW W/pump
MW-7	Ø	57.20'	69.40'	11/08/22 @ 13:35 2" MW
MPE-32	Ø	59.10	—	11/08/22 @ 13:37 4" MPE W/ pump
MW-12	Ø	56.53'	62.40'	11/08/22 @ 13:39 2" MW
MPE-41	56.70	56.80	—	11/08/22 @ 11:41 4" MPE W/pump

Rite in the Rain

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Released to Imaging: 6/7/2024 10:32:31 AM
Received by OCD: 4/3/2023 5:38:51 AM

Location Twp Roswell Station 9 Date 11/08/22

Project / Client GW Monitoring 2022

Earthcon/WSP By: CmB

Environmental & Geological Services, Inc. Page 3 of 6

Well	DpSH	DTW	T.D.	Remarks
MPE-33	Ø	54.55'	79.0'	11/08/22 @13:52 4" MPE
MPE-36	Ø	50.50'	70.80'	11/08/22 @13:55 4" MPE
MW-22	Ø	58.45'	62.60'	11/08/22 @13:58 2" MW
MPE-35	Ø	60.20	—	11/08/22 @ 14:00 4" MPE well w/pump
MPE-37	Ø	62.10'	73.40' pulled pump	11/08/22 @14:05 4" MPE well
MW-20	Ø	52.80'	61.30'	11/08/22 @14:08 2" MW w/pump
MW-26	Ø	61.25'	pulled pump 62.90'	11/08/22 @ 14:10 2" MW w/pump

Location Twp Roswell Station 9 Date 11/09/22

Project / Client GW Monitoring 2022 for Earthcon/WSP By: CmB

Environmental & Geological Services INC. Page 4 of 6

Arrive on site at 8:30 hr.

Partly Cloudy 62°F S 14 mph HN

77% Humidity Barometric Pressure 29.94 Hg

Besst Gauging MWS, Sve wells, MPE wells.

Solonist I.P Serial # 222190 9:00 hr

Well	DpSH	DTW	T.D.	Remarks
MW-37	Ø	60.10'	62.05'	11/09/22 @9:18 MW-37 4"
MW-34	Ø	65.21'	68.93'	11/09/22 @9:29 MW-34 2"
MW-35	Ø	62.35'	68.70'	11/09/22 @9:34 MW-35 2"
MW-33	Ø	67.30'	74.70'	11/09/22 @9:41 MW-33 2"
MW-32	Ø	68.65'	72.50'	11/09/22 @9:48 MW-32 2"
MW-30	Ø	68.41	70.00'	11/09/22 @9:54 MW-30 2"
MW-28	Ø	72.00	74.35'	11/09/22 @ 10:00 MW-28 2"
MW-29	Ø	71.08'	74.00'	11/09/22 @ 10:05 MW-29 2"
MPE-7	Ø	69.42'	78.50'	11/09/22 @ 10:13 MPE-7 4" no pump
MPE-9	Ø	69.52'	72.00'	11/09/22 @ 10:18 4" no pump MPE
MW-27	Ø	70.20'	75.13'	11/09/22 @ 10:22 2" MW-27
MPE-8	Ø	67.97'	77.40'	11/09/22 @ 10:27 4" MPE well no pump
MPE-11	Ø	65.56'	67.00	11/09/22 @ 10:37 4" MPE well

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Released to Imaging: 6/7/2024 10:32:31 AM

Location TWP, Roswell Station 9 Date 11/09/22

Project / Client GW Monitoring 2022 for Earth Con/WSP By: CMB

Environmental & Geological Services Inc. Page 5 of 6

Well	DPSH	DTW	T.D.	Remarks
MPE-10	68.00'	69.50	—	11/09/22 10:45 4" well Pump
MPE-12	66.50'	67.65'	71.7'	11/09/22 10:54 4" well no pump
MW-21	Ø	67.78	74.10	11/09/22 10:59 2" MW
MPE-13	Ø	66.98	74.50'	11/09/22 11:10 4" well pump
MPE-14	66.05	68.75	—	11/09/22 11:29 4" Vell pump
MPE-16	67.50'	68.20	—	11/09/22 11:32 4" vell pump
~~MPE-19~~	~~67.00~~	~~70.35~~	—	~~11/09/22 11:36~~
MPE-38	69.00'	70.35	—	11/09/22 11:36 4" well pump
MPE-17	70.75'	72.90	75.00'	11/09/22 11:55 4" well pump
MW-16	67.75'	70.10'	71.85	11/09/22 12:07 2" MW
MPE-15	Ø	65.18	79.43	11/09/22 12:08 4" well no pump
MPE-18	Ø	64.30	76.10	11/09/22 12:12 4" well no pump
MPE-20	Ø	65.40	—	11/09/22 12:15 4" vell pump
MPE-21	Ø	61.15	—	11/09/22 12:21 4" vell pump
MPE-39	Ø	62.43	—	11/09/22 12:26 4" well pump
MPE-24	Ø	60.70	—	11/09/22 12:32 4" well pump
MW-17	Ø	63.76'	67.35'	11/09/22 11:18 2" MW
MW-15	Ø	63.00'	65.30	11/09/22 11:20 2" MW
MPE-19	Ø	67.00'	73.66	11/09/22 11:45 4" well no pump
SVE-24	Ø	Ø	28.56	11/09/22 12:21 2" SVE
MW-42	Ø	56.45	75.85	11/09/22 12:45 2" MW
MW-40	Ø	55.06	70.00	11/09/22 12:50 2" MW
MW-39	Ø	50.35	69.78	11/09/22 12:58 2" MW

Location TWP Roswell Station 9 Date 11/09/22

Project / Client GW Monitoring 2022 for Earth Con/WSP By: CMB

Environmental & Geological Services Inc.

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Well	DPSH	DTW	T.D.	Remarks
MW-41	Ø	57.30'	70.00	11/09/22 13:00 2" MW
MW-29D	Ø	65.27	—	11/09/22 13:10 4" well no pump

left Site at 13:30

Calibrated #I98194

pH/EC/DO Multiparameter

Meter. S/N: 05400038101

Hanna Instruments #H9828-0

Quick Cal Calibration

Solution. 6.86 ± 0.01 pH @ 25°C

5000 ± 25 µs/cm @ 25°C

Lot #: 6713 Exp: 07/2026 Vol. 500mL

11/04/22 0830 - 10:00 Equipment MOB

11/08/22 0930 - 1500 Gauge Wells

11/09/22 0830 - 1400 Gauge wells.

11/15/22 0830 - 1200 Sampling GW

11/16/22 0900 - 11:00 Sampling GW

11/17/22 0830 - 1530 Sampling GW

11/15/22 1301 - 1630 Sampling GW

11/20/22 11:31 - 16:30 Sampling GW

Shipment of wells

Clayton MB

Rite in the Rain

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME:	Twp Roswell Station 9	SITE LOCATION:	6381 N. Main St.	Roswell, NM Serial	
WELL NO:	MW-10	SAMPLE ID:	MW-10	DATE:	11/20/22

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	N/A		70.14	

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (71.15 feet – 70.14 = 1.01 feet) X 0.16 gallons/foot = 0.161 gallons

3 WELL VOLUMES = 0.48 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
					Tubing						
					1/2" = 0.010			Gallons / FT.			
			Pump Set @		71.15 X 0.010			= 0.71 Gallons To			
					Fill 1/2" Tubing.			Not Possible.			
								To Fill Tubing			
								DRY Well			

INSTRUMENTS USED: N/A

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2") = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; (1/2") = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Clayton M Barnhill/Ensr	Clayton M Barnhill		

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced) DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
				N/A					

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station #9		SITE LOCATION: 6381 N. Main St, Roswell, NM 88201	
WELL NO: ~~MW-10~~ MW-11	SAMPLE ID: ~~MW-10~~ MW-11		DATE: 11/20/2022

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: (ESP)

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (68.10 feet – 65.70 = 2.40 feet) X 0.16 gallons/foot = 0.384 gallons

3 WELL VOLUMES = 1.152 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)

1/2 Tubing @ 0.010 Gallons/Ft.
68.10 X 0.010 = 0.681 Gallons.
1 Ft Tubes 0.384 Gallons = 1 well Volume. 10 Ft. 1/2" Tubing = 0.681 Gallons
Dry well

INSTRUMENTS USED:

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; (1/2" = 0.010); 5/8" = 0.016 0.681.

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; (ESP = Electric Submersible Pump); PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Clayton M Barnhill kcmb			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced) DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; (PE = Polyethylene); PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; (ESP = Electric Submersible Pump); RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

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GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station # 9		SITE LOCATION: 6381 N. Main Street Roswell, NM 88201	
WELL NO: MW-13	SAMPLE ID: MW-13	DATE: 11/20/2022	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 57 feet to 72 feet	STATIC DEPTH TO WATER (feet): 66.30	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (69.75 feet – 66.30 = 3.45 feet) X 0.16 gallons/foot = 0.552 gallons

3 WELL VOLUMES = 1.65 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 15:03	PURGING ENDED AT: 15:20	TOTAL VOLUME PURGED (gallons): 1.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
15:04	Initial	0	0.16	66.30	7.10	17.34	2149	7.92	-2.1	Turbid	None
15:11	0.50	0.50	0.16	/	6.93	20.98	3815	6.40	-90.1	Clear	None
15:14	1.0	1.0	0.16	/	6.91	20.91	3827	6.16	-100.3	Clear	None
15:18	1.5	1.5	0.16	/	6.95	20.87	3823	6.17	-100.2	Clear	None
15:20	1.75	1.75	0.16	/	6.95	20.91	3880	6.33	-74.4	Clear	None

INSTRUMENTS USED: Hanna Instruments HI 98194 S/N: 054 000 38101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; (1/2" = 0.010); 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; (BP = Bladder Pump); ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M Barnhill / CMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 15:20	SAMPLING ENDED AT: 15:25

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-13	6	CG	40mL	HCl	240 mL	6.95	8260/5011	BP	0.166
MW-13	2	AG	100mL	None	200 mL	6.95	8270	BP	0.166

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

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GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station #9	SITE LOCATION: 6381 N. Main St. Roswell, NM 88201		
WELL NO: MW-14	SAMPLE ID: MW-14	DATE: 11/18/2022	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 49.5 feet to 64.5 feet	STATIC DEPTH TO WATER (feet): 56.55	PURGE PUMP TYPE OR BAILER: Dedicated BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (64.5 feet – 56.55 = 7.95 feet) X 0.16 gallons/foot = 1.272 gallons

3 WELL VOLUMES = 3.81 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 14:33	PURGING ENDED AT: 14:45	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
14:33	Initial	0	0.33	56.55	6.93	19.02	3425	6.92	-101.2	Clear	None
14:36	1	1	0.33		6.89	19.43	3451	6.41	-115.3	Clear	None
14:39	2	2	0.33		6.86	19.41	3441	6.40	-114.6	Clear	None
14:42	3	3	0.33		6.87	19.27	3456	6.45	-112.7	Clear	None
14:45	4	4	0.33		6.87	19.31	3459	6.47	-112.4	Clear	None

INSTRUMENTS USED: Hanna Instruments HI-9814 S/N: 05400038101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M Barnhill/CMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 14:45	SAMPLING ENDED AT: 14:50
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-14	6	CG	40mL	HCL	240 mL	6.87	VOC's 8260	BP	0.33
MW-14	2	AG	100mL	None	100mL/Bottle	6.87	8011, EDB, DBCP	BP	0.33

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

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GROUNDWATER SAMPLING LOG

SITE NAME:	TWP Roswell Station 9	SITE LOCATION:	6381 N. Main ST Roswell, NM 88201
WELL NO:	MW-16	SAMPLE ID:	MW-16
DATE:	11/18/22		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): ~~67~~ 70.10'	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

DNAPL = 67.75 = (DTW = 70.10 feet – 67.75 feet) X gallons/foot = 0.376 gallons

3 WELL VOLUMES = 2.35' NAPL x 0.16 NAPL gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
				NAPL			Well				
				IN							

INSTRUMENTS USED: Solonist I.P. Serio 1# 222719

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Clayton M Barnhill / CMB			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced) DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
				N/A					

REMARKS: 2.35' NAPL/PSH IN Well DID NOT SAMPLE

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

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GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station #9		SITE LOCATION: 6381 N. Main St. Roswell, NM 88201	
WELL NO: MW-17	SAMPLE ID: MW-17		DATE: 11/18/22

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 53 feet to 68 feet	STATIC DEPTH TO WATER (feet): 63.70'	PURGE PUMP TYPE OR BAILER: ~~Dedicated~~ Dedicated ESP Pump

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (67.40' feet – 63.70 = 3.7' feet) X 0.16 gallons/foot = 0.592 gallons

3 WELL VOLUMES = 1.77 G gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
	Initial	0		63.70							
	0.50	0.50									
	1.0	1.0									
	1.5	1.5									
	2.0	2.0									

Well DRY
NOT Enough Hydrostatic to fill Tubing
Head to Fill Tubing = 0.6 Gallons
67.40' + 0.010 = 0.6

INSTRUMENTS USED: Hanna Instruments HI-98194 S/N: 05400038101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; (1/2" = 0.010); 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; (ESP) = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Clayton M Barnhill / CMB			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
@ T.D.	PE		

FIELD DECONTAMINATION: PUMP (Y) ~~N~~ TUBING (Y) ~~N (replaced)~~ **DUPLICATE:** Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-17	6	CG	40mL	HCl	240 mL		VOC's 8260	ESP	3
MW-17	2	AG	100mL	None	100mL per bottle		8011, EDB, DBCP	ESP	

REMARKS:

MATERIAL CODES: AG = Amber Glass; (CG) = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

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= (61.30 feet - 5280 = 8.5 feet) X 0.16 gallons/foot = 4.08 gallons

3 WELL VOLUMES = 4.08 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 13:24	PURGING ENDED AT: 1340	TOTAL VOLUME PURGED (gallons): 4.25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
13:24	Initial	0	0.33	52.80	7.14	18.45	3276	8.76	-47.8	Clear	None
13:27	1	1	0.25	/	6.98	18.68	3834	7.87	-40.5	Clear	None
13:31	2	2	0.25	/	6.94	18.67	3852	7.48	-36.8	Clear	None
13:34	3	3	0.25	/	6.93	18.68	3850	7.37	-33.9	Clear	None
13:40	4.25	4.25	0.25		6.93	18.70	3848	7.46	-32.1	Clear	None

INSTRUMENTS USED: Hanna Instruments HI-98194 S/N: 054000 38101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./FL): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; (1/2") = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; (BP = Bladder Pump); ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Clayton M Borrelli / CMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1340	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-20	6	CG	40mL	HCL	240 mL	6.93	8260/8011	BP	0.25
MW-20	2	AG	100mL	None	200 mL	6.93	8270/ SIM	BP	0.25

REMARKS:

MATERIAL CODES: (AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; (BP = Bladder Pump); ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station 9	SITE LOCATION: 6381 N. Main ST. Roswell, NM 88201		
WELL NO: MW-21	SAMPLE ID: MW-21	DATE: 11/18/22	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 54 feet to 74 feet	STATIC DEPTH TO WATER (feet): 67.78	PURGE PUMP TYPE OR BAILER: Dedicated BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (75.0 feet – 67.78 = 7.22 feet) X 0.16 gallons/foot = 1.15 gallons

3 WELL VOLUMES = 3.46 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 11:23	PURGING ENDED AT: 11:41	TOTAL VOLUME PURGED (gallons): 3.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
11:23	Init Fld	Ø	0.20	67.78	7.44	18.33	3101	7.72	-191.8	Clear	None
11:28	1	1	0.20	/	6.87	18.67	3146	6.52	-182.6	Clear	None
11:33	2	2	0.20	/	6.88	18.48	3144	6.43	-174.0	Clear	None
11:38	3	3	0.20	/	6.88	18.49	3141	6.42	-172.6	Clear	None
11:41	3.50	3.50	0.20	/	6.87	18.47	3139	6.41	-172.0	Clear	None

INSTRUMENTS USED: Hanna Instruments HI = 98194 S/N: 05400038101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2") = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:41	SAMPLING ENDED AT: 11:50
Clayton McBarnhill/CMB			
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-21	6	CG	40mL	HCL	0.40 mL	6.87	VOC's 8260	BP	0.20
MW-21	2	AG	100mL	None	100mL/Bottle	6.87	8011, EDB, DBCP	BP	0.20

REMARKS:

MATERIAL CODES: (AG) = Amber Glass; (CG) = Clear Glass; (PE) = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station #9	SITE LOCATION: 6381 N. Main St.	Roswell, NM 88201	
WELL NO: MW-22	SAMPLE ID: MW-22	DATE: 11/20/2022	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: 50 feet to 65 feet	STATIC DEPTH TO WATER (feet): 58.45	PURGE PUMP TYPE OR BAILER: ESP 2"

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (62.60 feet – 58.45 = 4.15 feet) X 0.16 gallons/foot = 0.664 gallons

3 WELL VOLUMES = 1.99 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 12:40	PURGING ENDED AT: 12:56	TOTAL VOLUME PURGED (gallons): 2.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
12:40	Initial	0	0.125	58.45	6.85	17.75	3305	7.01	-125.6	TURBID Red	None
12:44	0.50	0.50	0.125		6.97	18.24	3604	7.95	-112.7	TURBID Red	None
12:48	1.0	1.0	0.125		7.00	18.45	3562	8.33	-97.4	TURBID	None
12:52	1.5	1.5	0.125		7.00	18.42	3572	8.37	-95.4	Clear	Clear
12:56	2.0	2.0	0.125		7.01	18.44	3584	8.36	-95.2	Clear	Clear

INSTRUMENTS USED: Hanna Instruments HI 98194 S/N: 05400038101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; (1/2" = 0.010); 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; (ESP) = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 12:56	SAMPLING ENDED AT:
Clayton M Barnhill, CMB			
PUMP OR TUBING DEPTH IN WELL (feet): 61.00'	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-22	6	CG	40mL	HCL	240 mL	7.00	8260 VOC's	ESP	0.125
Dup. MW-22	2	CG	40mL	HCL	240 mL	7.00	8260 VOCs	ESP	0.125
~~Duplicate~~ MW-22	6	AG	100 mL	100mL/Bottle	200 mL	7.00	504/8270	ESP	0.125
Duplicate MW-22	2	AG	100mL	100mL/Bottle	100 mL	7.00	8011/8270	ESP	0.125

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

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GROUNDWATER SAMPLING LOG

SITE NAME: TNP Roswell Station 9	SITE LOCATION: 6381 N. Main Street Roswell, NM 88201		
WELL NO: MW-24D	SAMPLE ID: MW-24D	DATE: 11/21/22	

PURGING DATA

WELL DIAMETER (inches): 4"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 146 feet to 176 feet	STATIC DEPTH TO WATER (feet): 65.27	PURGE PUMP TYPE OR BAILER: ESP pump

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (180.0 feet – 65.27 = 114.73 feet) X 0.65 gallons/foot = 74.57 gallons

3 WELL VOLUMES = 223.72 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
80'	80'	0832	0918	50.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
0832	Turbid	0	1.25	65.27	6.97	18.87	3769	6.63	-188.3	Clear	None
0844 ~~0844~~	15	15.0	1.25	/	7.09	18.39	3210	6.22	-212.7	Clear	None
0856 ~~0856~~	30.0	30.0	1.25	/	7.09	18.19	3341	6.08	-218.9	Clear	None
0918 ~~0910~~	50.0	50.0	1.25	/	7.07	18.16	3381	6.07	-219.8	Clear	None
~~0900~~											

INSTRUMENTS USED: Horiba Instruments HI 98194 S/N: 054000 38101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Clayton M Barnhill/CMB		0920	0923

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ___ µm
80'	PE		

FIELD DECONTAMINATION: PUMP (Y) N TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-24D	6	CG	40mL	HCL	240 mL	7.07	8260/6011	ESP	1.25
MW-24D	2	AG	~~No~~ 100mL	None	~~200mL~~ 200	7.07	8270	~~ESP~~	1.25

REMARKS:

MATERIAL CODES: AG = Amber Glass; (CG) = Clear Glass; (PE) = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; (ESP) = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME:	TWP Roswell Station #9	SITE LOCATION:	6381 N. Main St. Roswell, NM 88201
WELL NO:	MW-26	SAMPLE ID:	MW-26
DATE:	11/20/2022		

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 43 feet to 63 feet	STATIC DEPTH TO WATER (feet): 61.25	PURGE PUMP TYPE OR BAILER: Dedicated BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY

= (65.0 feet − 61.25 = 3.75 feet) X 0.16 gallons/foot = 0.60 gallons

3 WELL VOLUMES = 1.80 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 13:55	PURGING ENDED AT: 14:03	TOTAL VOLUME PURGED (gallons): 2.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
13:55	Initial	0	0.25	61.25	7.03	18.79	3783	7.40	-25.3	clear	None
13:57	0.50	0.50	0.25	/	6.85	18.68	3813	7.95	-19.6	Clear	None
13:59	1.0	1.0	0.25	/	6.87	18.69	3816	7.98	-19.7	Clear	None
14:01	1.5	1.5	0.25	/	6.87	18.66	3823	8.07	-19.4	clear	None
14:03	2.0	2.0	0.25	/	6.73	18.60	3828	8.07	-15.3	Clear	None

INSTRUMENTS USED: Hanna Instruments HI 98194 S/N: 054 000 38101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 14:03	SAMPLING ENDED AT:
Clayton M Barnhill / CMB			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-26	6	CG	40mL	HCL	240 mL	6.73	8260/8011	BP	5
MW-26	2	AG	100mL	None	200 mL	6.73	8270 SIM	BP	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:

STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:

pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

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GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station 9	SITE LOCATION: 6381 N. Main ST Roswell, NM 88201		
WELL NO: MW-27	SAMPLE ID: MW-27	DATE: 11/18/2022	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 55 feet to 75 feet	STATIC DEPTH TO WATER (feet): 70.20'	PURGE PUMP TYPE OR BAILER: Electric ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (75.13 feet – 70.20 = 4.93 feet) X 0.16 gallons/foot = 0.788 gallons

3 WELL VOLUMES = 2.36 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 10:10	PURGING ENDED AT: 10:20	TOTAL VOLUME PURGED (gallons): 2.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
10:10	Initial	0	0.33	70.20	6.62	19.71	3951	6.13	-130.2	Gray Black	Strong
10:13	1	1	0.33		6.65	19.70	3926	6.65	-152.0	" "	"
10:17	2	2	0.25		6.71	20.55	3866	6.60	-195.1	" "	"
10:20	2.50	2.50	0.25		6.73	19.58	3882	5.90	-239.1	" "	"

INSTRUMENTS USED: Hanna Instruments HI-98194 S/N: 05400038101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:21	SAMPLING ENDED AT: 10:30
Clayton M Barnhill /cmb	PE		
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-27	6	CG	40mL	HCL	240mL	6.73	VOC's 8260	ESP	~~0.33~~ 0.25
MW-27	2	AG	100mL	None	100 mL	6.73	8011, EDB, DBCP	ESP	~~0.33~~ 0.25

REMARKS: GRAY Black Turbid H_2O – Strong HC odor

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME:	TWP Roswell Station #9	SITE LOCATION:	6381 N. Main ST. Roswell, NM 88201
WELL NO:	MW-29	SAMPLE ID:	MW-29
		DATE:	11/17/2022

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	1/2"	60 feet to 75 feet	71.08'	Dedicated BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (74.45' feet – 71.08 = 3.37 feet) X 0.16 gallons/foot = 0.539 gallons

3 WELL VOLUMES = 1.61 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
		14:34	15:05	1.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
14:34	Initial	0	0.05	71.08'	6.90	18.12	3379	7.55	-4.5	Clear	None
14:46	0.50	0.5	0.05	/	6.92	18.67	3661	~~6.87~~ 6.35	-61.5	Clear	None
14:56	1.0	1.0	0.05	/	6.89	18.61	3642	6.32	-99.1	Clear	None
15:05	1.75	1.75	0.05	/	6.89	18.49	3633	6.23	-112.7	Clear	None

INSTRUMENTS USED: Hanna Instruments HI 98194 S/N: 054000 38101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; (BP = Bladder Pump); ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Clayton M Barnhill / CMB		15:05	15:12

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
	PE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-29	6	CG	40mL	HCL	240 mL	6.89	VOCs 8260	BP	0.05
MW-29	2	AG	1000mL	None	100mL	6.89	8011, EDB, DBCP	BP	0.05

REMARKS:

MATERIAL CODES: (AG) = Amber Glass; (CG) = Clear Glass; (PE) = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station 9	SITE LOCATION: 6381 N. Main Street Roswell, NM 88201		
WELL NO: MW-32	SAMPLE ID: MW-32	DATE: 11/17/2022	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 60 feet to 75 feet	STATIC DEPTH TO WATER (feet): 68.65	PURGE PUMP TYPE OR BAILER: Dedicated BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (74.20 feet – 68.65 feet) X 0.16 gallons/foot = 0.888 gallons

3 WELL VOLUMES = 2.66 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 13:46	PURGING ENDED AT: 14:10	TOTAL VOLUME PURGED (gallons): 2.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
13:45	Initial	Ø	0.090	68.65	7.24	19.07	3321	7.99	-12.7	Clear	None
13:56	1	1	0.090		6.97	19.15	3378	7.20	-7.2	Clear	None
14:07	2	2	0.090		7.03	19.22	3380	7.16	-6.9	Clear	None
14:10	2.75	2.75	0.090		6.97	18.93	3399	7.05	-3.5	Clear	None

INSTRUMENTS USED: Hanna Instruments HI 96194 S/N: 054 00038101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton McBroom / CMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 14:10	SAMPLING ENDED AT: 14:15
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-32	6	CG	40mL	HCl	240 mL	6.97	VOC's 8260	BP	75
MW-32	2	AG	100mL	None	100 mL	6.97	8011, EDB, DBCP	BP	

REMARKS:

MATERIAL CODES: (AG) = Amber Glass; (CG) = Clear Glass; (PE) = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station 9 | SITE LOCATION: 6381 N Main Street Roswell, NM 88201
WELL NO: MW-34 | SAMPLE ID: MW-34 | DATE: 11/17/2022

PURGING DATA

WELL DIAMETER (inches): 2" | TUBING DIAMETER (inches): 1/2" | WELL SCREEN INTERVAL DEPTH: 49 feet to 79 feet | STATIC DEPTH TO WATER (feet): 65.21 | PURGE PUMP TYPE OR BAILER: Dedicated BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
= (75.75' feet – 65.21' feet) X 0.16 gallons/foot = 1.686 gallons
3 WELL VOLUMES = 5.05 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = 5.0 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 68.93' | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 68.93' | PURGING INITIATED AT: 10:39 | PURGING ENDED AT: 11:01 | TOTAL VOLUME PURGED (gallons): 5.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
10:39	Initial	Ø	0.167	65.21	6.99	19.01	3576	6.89	-20.0	Clear	None
10:45	1	1	0.167		6.99	19.17	3549	6.99	-55.2	Clear	None
10:49	2	2	0.25		6.99	18.99	3543	5.91	-70.9	Clear	None
10:53	3	3	0.25		6.99	19.01	3541	5.86	-75.5	Clear	None
10:57	4	4	0.25		6.99	18.94	3540	5.82	-79.7	Clear	None
11:01	5	5	0.25		7.00	18.90	3540	5.81	-80.6	Clear	None

INSTRUMENTS USED: Hanna Instruments HI 98194 S/N: 05400038101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT USED: B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M. Baenhill / Cmp | SAMPLER(S) SIGNATURE(S): [signature] PE | SAMPLING INITIATED AT: 11:01 | SAMPLING ENDED AT: 11:17
PUMP/OR TUBING DEPTH IN WELL (feet): | TUBING MATERIAL CODE: PE | FIELD-FILTERED: Y (N) Filtration Equipment Type: | FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N replaced) | DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-34	6	CG	6 40mL	HCL	240 mL	7.0	VOC's 8260	BP	0.25
Duplicate MW-34	6	CG	6 40mL	HCL	240 mL	7.0	VOC's 8260	BP	0.25
MW-34	2	AG	100mL	None	100 mL	7.0	8011 EDB, DBCP	BP	0.25
Duplicate MW-34	2	AG	100mL	None	100 mL	7.0	8011 EDB, DBCP	BP	0.25

REMARKS:

MATERIAL CODES: (AG) = Amber Glass; (CG) = Clear Glass; (PE) = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

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GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station 9	SITE LOCATION: 6381 N. Main Street Roswell NM 88201		
WELL NO: MW-35	SAMPLE ID: MW-35	DATE: 11/17/2022	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 49 feet to 79 feet	STATIC DEPTH TO WATER (feet): 62.35'	PURGE PUMP TYPE OR BAILER: Dedicated BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY

= (76.71 feet − 62.35' feet) X 0.16 gallons/foot = 2.297 gallons

3 WELL VOLUMES = 6.89 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 13:00 11:35	PURGING ENDED AT: 13:50	TOTAL VOLUME PURGED (gallons): 7.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
11:35	Initial	0	0.25	62.35	6.91	16.94	3746	6.96	-60.1	Clear	None
13:15	2	2	0.25		7.13	18.92	3943	7.65	-21.6	Clear	None
13:30	4	4	0.25		7.12	18.95	3950	7.66	-21.4	Clear	None
13:45	6	6	0.25		7.12	18.94	3953	7.67	-21.2	Clear	None
13:50	7	7	0.25		7.13	18.89	3957	7.68	-20.9	Clear	None

INSTRUMENTS USED: Hanna Instruments HI 98194 S/N: 054 000 38101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; (BP = Bladder Pump); ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:50	SAMPLING ENDED AT:
Clayton McBarnhill/Ensr			
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-35	6	CG	40mL	HCL	240 mL	7.13	VOC'S 8260	BP	0.25
MW-35	2	AG	100mL	None	100 mL	7.13	8011, EDB, DBCP	BP	0.25

REMARKS:

MATERIAL CODES: (AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; (BP = Bladder Pump); ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

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GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station 9		SITE LOCATION: 6381 N. Main Street Roswell, NM 88201	
WELL NO: MW-37	SAMPLE ID: MW-37		DATE: 11/17/2022

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 50 feet to 70 feet	STATIC DEPTH TO WATER (feet): 60.10'	PURGE PUMP TYPE OR BAILER: Dedicated BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (69.61' feet – 60.10 feet) X 0.16 gallons/foot = 1.521 gallons

3 WELL VOLUMES = 4.56 Gal (gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~~N/A~~ 62.05	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~~N/A~~ 62.05	PURGING INITIATED AT: 10:05	PURGING ENDED AT: 10:18	TOTAL VOLUME PURGED (gallons): 4.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
10:05	Initial	0	0.33	60.10	6.90	18.89	3825	6.53	-102.3	TURBID	None
10:08	1	1	0.33		6.94	18.93	3867	6.42	-104.2	Brown	None
10:10	2	2	0.50		6.95	18.88	3849	6.95	-104.6	" "	" "
10:13	3	3	0.33		6.94	18.88	3831	6.31	-103.1	Clear	None
10:16	4	4	0.33		6.94	18.92	3823	6.28	-101.4	Clear	None
10:18	~~4.75~~ 4.75	4.75	0.33		6.94	18.83	3847	6.30	-100.0	Clear	None

INSTRUMENTS USED: YSI Hanna Instruments HI 98194 S/N: 05400038101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton McBride/PE/CMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:18	SAMPLING ENDED AT: 10:25
PUMP OR TUBING DEPTH IN WELL (feet): 62.05	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-37	6	CG	40mL	HCl	~~120~~ 240 mL	6.94	VOCs 8260	BP	0.33
MW-37	2	AG	100mL	None	~~100~~ 200 mL	6.94	SOIL EDB, DBCP	BP	0.33

REMARKS:

MATERIAL CODES: (AG) = Amber Glass; (CG) = Clear Glass; (PE) = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station #9		SITE LOCATION: 6381 N. Main St. Roswell, NM 88201	
WELL NO: MW-39	SAMPLE ID: MW-39	DATE: 11/21/2022	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 55 feet to 75 feet	STATIC DEPTH TO WATER (feet): 50.35	PURGE PUMP TYPE OR BAILER: Dedicated BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY

= (69.78' feet − 50.35 = 19.43 feet) X 0.16 gallons/foot = 3.10 gallons

3 WELL VOLUMES = 9.32 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 11:08	PURGING ENDED AT: 11:37	TOTAL VOLUME PURGED (gallons): 9.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
11:08	Initial	0	0.33	50.35	6.99	18.77	3758	7.94	-70.0	Clear	None
11:17	3	3	0.33	/	6.90	18.68	3749	7.56	-64.0	Clear	None
11:26	6	6	0.33	/	6.91	18.59	3747	7.48	-62.8	Clear	None
11:37	9.50	9.50	0.33	/	6.90	18.65	3748	7.46	-62.4	Clear	None

INSTRUMENTS USED:

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; (1/2" = 0.010); 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; (BP = Bladder Pump); ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:37	SAMPLING ENDED AT: 11:45
Clayton M. Barnhill/cmec	PC		

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-39	6	CG	40mL	HCL	240mL	6.90	8260/8011	BP	0.33
MW-39	2	AG	100mL	None	200mL	6.90	8270 SIMM	BP	0.33

REMARKS:

MATERIAL CODES: (AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; (BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

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GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station 9	SITE LOCATION: 6381 N. Main Street Roswell, NM 88201		
WELL NO: MW-40	SAMPLE ID: MW-40	DATE: 11/21/2022	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 55 feet to 75 feet	STATIC DEPTH TO WATER (feet): 55.06	PURGE PUMP TYPE OR BAILER: Dedicated BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (70.0' feet – 55.06' = 14.94 feet) X 0.16 gallons/foot = 2.39 gallons

3 WELL VOLUMES = 7.171 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 10:08	PURGING ENDED AT: 10:30	TOTAL VOLUME PURGED (gallons): 7.25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
10:08	Initial	∅	0.40	55.06'	6.92	17.18	3718	7.48	-104.9	Clear	None
10:13	2	2.0	0.40	/	6.88	18.76	3748	7.06	-104.2	Clear	None
10:18	4	4.0	0.40	/	6.86	18.71	3756	7.14	-99.4	Clear	None
10:23	6	6.0	0.40	/	6.87	18.78	3757	7.10	-98.6	Clear	None
10:30	7.25	7.25	0.40	/	6.87	18.79	3759	7.09	-97.8	Clear	None

INSTRUMENTS USED: Hanna Instruments HI 98194 S/N: 05400038101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M Bombill/CMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:30	SAMPLING ENDED AT: 10:35
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-40	6	CG	40mL	HCL	240mL	6.87	8260/8021	BP	0.40
MW-40	2	AG	100mL	None	200mL	6.87	8270 SIM	BP	0.40

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

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GROUNDWATER SAMPLING LOG

SITE NAME:	Twp Roswell Station #9	SITE LOCATION:	6381 N. Main St. Roswell, NM 88201
WELL NO:	MW-41	SAMPLE ID:	MW-41
DATE:	11/21/22		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	1/2"	55 feet to 75 feet	57.30'	Dedicated BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (70.0 feet – 57.30' = 12.7 feet) X 0.16 gallons/foot = 2.03 gallons

3 WELL VOLUMES = 6.09 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 10:45	PURGING ENDED AT: 11:00	TOTAL VOLUME PURGED (gallons): 6.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
10:45	Initial	0	0.40	57.30	7.09	19.32	3692	7.01	-87.4	Clear	None
10:50	2	2.0	0.40	/	6.91	18.91	3702	7.72	-80.6	Clear	None
10:55	4	4.0	0.40	/	6.91	18.94	3703	7.70	-79.2	Clear	None
11:00	6	6.0	0.40	/	6.91	18.96	3709	7.69	-78.8	Clear	None

INSTRUMENTS USED: Hanna Instruments HI 98194 S/N: 05400338101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; (1/2" = 0.010); 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:00	SAMPLING ENDED AT: 11:05
Clayton M Barnhill / CMB			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-41	6	CG	40mL	HCl	240 mL	6.91	8260/8011	BP	0.40
MW-41	2	AG	100mL	None	200 mL	6.91	8270 SIMM	BP	0.40

REMARKS:

MATERIAL CODES: (AG) = Amber Glass; (CG) = Clear Glass; (PE) = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; (BP) = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

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GROUNDWATER SAMPLING LOG

SITE NAME: Twp Roswell Station 9		SITE LOCATION: 6381 N. Main St. Roswell, NM 88201	
WELL NO: MW-42	SAMPLE ID: MW-42		DATE: 11/21/22

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	1/2"	55 feet to 75 feet	56.95	Dedicated BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (75.85 feet – 56.95 = 18.9 feet) X 0.16 gallons/foot = 3.024 gallons

3 WELL VOLUMES = 9.07 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 0919	PURGING ENDED AT: 0936	TOTAL VOLUME PURGED (gallons): 9.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
0919	Initial	0	0.60	56.95	6.98	18.51	3816	7.20	-205.3	Turbid Reddish	None
0924	3	3.0	0.60	/	6.92	18.49	3773	7.49	-186.3	" " "	"
0930	6	6.0	0.50	/	6.89	18.37	3789	7.28	-163.9	Clear	Clear None
0936	9	9.0	0.50	/	6.91	1782	3778	7.31	-157.5	Clear	Clear

INSTRUMENTS USED: Hanna Instruments HI 9194 S/N: 05400038101

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0936	SAMPLING ENDED AT: 0940
Clayton McBarnhill/CMB			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N replaced) DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-42	6	CG	40mL	HCl	240 mL	6.91	8260/8011	BP	0.60
Duplicate MW-42	6	CG	40mL	HCl	240 mL	6.91	8260/8011	BP	0.60
MW-42	2	AG	100mL	None	200mL	6.91	8270 SIMM	BP	0.60
Duplicate MW-42	2	AG	100mL	None	200 mL	6.91	8270 SIMM	BP	0.60

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

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GROUNDWATER SAMPLING LOG

SITE NAME: Twp Roswell Station 9		SITE LOCATION: 6381 N. Main St. Roswell NM 88201	
WELL NO: SVE-1A	SAMPLE ID: SVE-1A		DATE: 11/08/22

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): N/A	PURGE PUMP TYPE OR BAILER: N/A

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (feet – feet) X gallons/foot = gallons

3 WELL VOLUMES = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
				N/A							
Dry Well T.D = 29.60											
SVE Pilot Test Well											
Dry Well											

INSTRUMENTS USED:

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Clayton McBaughill / Cmas			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced) DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

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GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station 9	SITE LOCATION: 6581 N. Main ST. Roswell, NM 88201		
WELL NO: SVE-2A	SAMPLE ID: SVE-2A	DATE: 11/08/22	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): N/A	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (feet – feet) X gallons/foot = gallons

3 WELL VOLUMES = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
				N/A							
				T.D = 29.70'				SVE Pilot Test Well			
				Dry Well							

INSTRUMENTS USED:

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M Barnhill/CMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y N (replaced)	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME:	TWP Roswell Station 9	SITE LOCATION:	6381 N. Main St. Roswell, NM 88201
WELL NO:	SVE-3	SAMPLE ID:	SVE-3
		DATE:	11/08/22

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): N/A	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (feet – feet) X gallons/foot = gallons

3 WELL VOLUMES = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
				N/A							
				SVE Pilot Test well							
				T.D. = 61.56							
				Dry Well							

INSTRUMENTS USED:

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Clayton M Brown II/CMS			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced) DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

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GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station 9	SITE LOCATION: 6381 N. Main St. Roswell, NM 88201		
WELL NO: SVE-22	SAMPLE ID: SVE-22	DATE: 11/08/22	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): N/A	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (feet – feet) X gallons/foot = gallons

3 WELL VOLUMES = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
				N/A							
				T.D = 33.10							
				Dry Well							

INSTRUMENTS USED:

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M. Barnhill / Ensr	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y N (replaced)	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

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GROUNDWATER SAMPLING LOG

SITE NAME: Twp Roswell Station 9	SITE LOCATION: 6381 N. Main St. Roswell NM 88201		
WELL NO: SVE-23	SAMPLE ID: SVE-23	DATE: 11/08/22	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): N/A	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY 32.65

= (34.0 feet – 32.65 = 1.35 feet) X 0.16 gallons/foot = 0.216 gallons

3 WELL VOLUMES = 0.648 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
				32.65							
				T.D = 34.0							
				1 Well Volume = 0.216 Gallons							
				3 Well Volumes = 0.648 Gallons							
				0.34 Gallons To Fill up Tubing.							
				Took more water to Fill up							
				Tubing to Surface, then what							
				was in well. = Dry Well							

INSTRUMENTS USED:

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Carter M Bowman / CMB			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced) DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

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GROUNDWATER SAMPLING LOG

SITE NAME: Twp Roswell Station 9	SITE LOCATION: 6381 N. Main St. Roswell NM 88201		
WELL NO: SVE-24	SAMPLE ID: SVE-24	DATE: 11/09/22	

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): N/A	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (feet – feet) X gallons/foot = gallons

3 WELL VOLUMES = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
				T.D = 28.56'							
				Dry Well							

INSTRUMENTS USED:

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M Bonhill / ENG	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y N (replaced)	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

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GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station 9	SITE LOCATION: 6381 N. Main St. Roswell NM 88201		
WELL NO: SVE - 25	SAMPLE ID: SVE - 25	DATE: 11/08/22	

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (feet – feet) X gallons/foot = gallons

3 WELL VOLUMES = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
				T.D = 34.80'							
				Dry Well							

INSTRUMENTS USED:

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M Bowdich/Jems	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y N (replaced)	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station 9	SITE LOCATION: 6381 N. Main St. Roswell NM 88201		
WELL NO: SVE-26	SAMPLE ID: SVE-26	DATE: 11/08/22	

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): N/A	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (feet – feet) X gallons/foot = gallons

3 WELL VOLUMES = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
				N/A							
				TD = 34.63'							
				Dry Well							

INSTRUMENTS USED:

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Clayton M Berrahill/ensr			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced) DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME: TNP Roswell Station 9	SITE LOCATION: 6381 N. Main St. Roswell, NM 88201		
WELL NO: SVE-27	SAMPLE ID: SVE-27	DATE: 11/08/22	

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): N/A	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (feet – feet) X gallons/foot = gallons

3 WELL VOLUMES = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X ' feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
				N/A							
				T.D = 33.45'							
				Dry well							

INSTRUMENTS USED:

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Clayton M Barnhill/Camp			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced) DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

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GROUNDWATER SAMPLING LOG

SITE NAME:	Twp Roswell Station #9	SITE LOCATION:	6381 N. Main St. Roswell, NM 88201
WELL NO:	SVE-28	SAMPLE ID:	SVE-28
DATE:	11/20/2022		

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 28.60'	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY

= (34.70 feet − 28.60 = 6.1 feet) X 0.16 gallons/foot = 0.976 gallons

3 WELL VOLUMES = 2.92 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 15:41	PURGING ENDED AT: 15:47	TOTAL VOLUME PURGED (gallons): 3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
15:41	Initial	0	0.50	28.60	6.73	19.01	3079	6.97	-87.2	TURBID BROWN	None
15:43	1	1.0	0.50	/	6.77	20.39	3027	5.83	-103.8	TURBID BROWN	None
15:45	2	2.0	0.50	/	6.76	20.43	3024	5.77	-104.1	" "	"
15:47	3	3.0	0.50	/	6.79	20.73	3025	5.63	-105.7	" "	"

INSTRUMENTS USED:

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; (1/2") = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; (ESP) = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton McBarnhill/ENMS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 15:47	SAMPLING ENDED AT: 16:00
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SVE-28	6	CG	40mL	HCL	240 mL	6.79	8260/8011	ESP	0.50
SVE-28	2	AG	100mL	None	200 mL	6.79	8270SIM	ESP	0.50

REMARKS:

MATERIAL CODES: (AG) = Amber Glass; (CG) = Clear Glass; (PE) = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; (ESP) = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME:	Twp Roswell Station 9	SITE LOCATION:	6381 N. Main St. Roswell NM 88201
WELL NO:	SVE-30	SAMPLE ID:	SVE-30
DATE:	11/20/2022		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 43.27	PURGE PUMP TYPE OR BAILER: Esp

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY

= (43.80 feet − 43.27 = 0.53 feet) X 0.16 gallons/foot = 0.0848 gallons

3 WELL VOLUMES = 0.2544 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
				TD = 43.80'							
				½ Tubing 0.010 X 43.80 = 0.438						gallons	
				To Fill Tubing ½", it							
				will Take 0.438 Gallons							
				Dry Well							

INSTRUMENTS USED:

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; (2" = 0.16); 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; (1/2" = 0.010); 5/8" = 0.016 0.438

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; (ESP = Electric Submersible Pump); PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Clayton M Barnhill / CMB	Clayton M Barnhill		

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced) DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station 9		SITE LOCATION: 6381 N. Main	
WELL NO: SVE-31	SAMPLE ID: SVE-31		DATE: 11/08/22

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): N/A	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (feet – feet) X gallons/foot = gallons

3 WELL VOLUMES = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)
				T.D. = 33.30'							
				Dry well							

INSTRUMENTS USED:

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M Barnhill/CMB	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y N (replaced)	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

GROUNDWATER SAMPLING LOG

SITE NAME: TWP Roswell Station #9	SITE LOCATION: 6381 N. Main St. Roswell, NM 88201		
WELL NO: RW-1	SAMPLE ID: RW-1	DATE: 11/20/2022	

PURGING DATA

WELL DIAMETER (inches): N/A	TUBING DIAMETER (inches): N/A	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 33.0	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

= (42.0 T.D. feet – NAPL = 32.95 H2O = 33 feet) X gallons/foot = gallons

3 WELL VOLUMES = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	OXYGEN REDUCTION POTENTIAL (mV)	COLOR (describe)	ODOR (describe)

NAPL in well.
DNAPL = 32.95
DTW = 33.0
0.05' NAPL

INSTRUMENTS USED: N/A

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT USED: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA[1]

SAMPLED BY (PRINT) / AFFILIATION: Clayton M Barnhill / CMS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y N (replaced)	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
				N/A					

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Sample collection will occur after 3 well volumes are purged or after well stabilization:
STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:
pH: ≤ 10% units **Temperature:** ≤ 10% °C **Specific Conductance:** ≤ 10% µS/cm **Dissolved Oxygen:** all readings ≤ 10% mg/L
Oxygen Reduction Potential: ≤ 10% mV

Revision Date: October 22, 2013

Received by OCD: 4/3/2023 5:38:51 AM

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Spring City, PA +1 610 948 4903
Salt Lake City, UT +1 801 266 7700
South Charleston, WV +1 304 356 3168
York, PA +1 717 505 5280

Chain of Custody Form

Page 1 of 6

COC ID: 281763

ALS Project Manager:

ALS Work Order #:

Customer Information		Project Information	
Purchase Order	WBS E-19002-CV-26050001 / Stacy B	Project Name	Energy Transfer Roswell GW
Work Order		Project Number	EC02.20180005.01
Company Name	WSP USA	Bill To Company	Energy Transfer
Send Report To	Sofie Weber-Snapp	Invoice Attn	Accounts Payable
Address	1880 W Oak Pkwy Building 100 Suite 106	Address	P.O Box 132400
City/State/Zip	Marietta, 30062	City/State/Zip	Dallas TX 75313
Phone	(770) 973-2100	Phone	
Fax		Fax	
e-Mail Address	sofie.weber.snapp@wsp.com	e-Mail Address	APInvoicesETP.mailbox@energytransfe

Parameter/Method Request for Analysis

A	8260_LL_W (8260 VOC site list (67))
B	8011_W (8011 EDB, DBCP)
C	8270_Min_W (8270_LL_Naph,1 & 2-MethNaph (100mL))
D	(8270_LL 1,4-dioxane [w/Naph,1&2-MethNaph (100mL)])
E	TBLK: 8260_LL_W (8260 VOC site list (68))
F	
G	
H	
I	
J	

Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
8260 Trip Blank			Water	1,8	2					X						
8011 Trip Blank			Water	1,8	2		X									
MW-37	11/17/22	10:18	H_2O	1,8	6/8	X	X	X								
MW-34	11/17/22	11:01	H_2O	1,8	6	X	X	X								
MW-34 Duplicate	11/17/22	11:01	H_2O	1,8	6	X	X	X								
MW-37	11/17/22	10:18	H_2O	8	2	X	X	X								
MW-34	11/17/22	11:01	H_2O	8	2	X	X	X								
MW-34 Duplicate	11/17/22	11:01	H_2O	8	2	X	X	X								
MW-35	11/17/22	13:50	H_2O	1,8	6	X	X	X								
MW-35	11/17/22	13:50	H_2O	8	2	X	X	X								

Relinquished by (Please Print & Sign)

Date: 11/21/22 Time: 14:00

Received by:

Date: Time:

Received by (Laboratory):

Date: Time:

Checked by (Laboratory):

Shipment Method

Required Turnaround Time: (Check Box) [X] 6 [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour

Results Due Date:

Notes: WSP ET Roswell NM

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

[X] Level II Std QC [ ] TRRP Checklist

Preservation Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH

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Chain of Custody Form

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COC ID: 281770

ALS Project Manager:

ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	WBS E-19002-CV-26050001 / Stacy B	Project Name	Energy Transfer Roswell GW	A	8260_LL_W (8260 VOC site list (67))
Work Order		Project Number	EC02.20180005.01	B	8011_W (8011 EDB, DBCP)
Company Name	WSP USA	Bill To Company	Energy Transfer	C	8270_Min_W (8270_LL_Naph,1 & 2-MethNaph (100mL))
Send Report To	Sofie Weber-Snapp	Invoice Attn	Accounts Payable	D	(8270_LL 1,4-dioxane [w/Naph,1&2-MethNaph (100mL)])
Address	1880 W Oak Pkwy Building 100 Suite 106	Address	P.O Box 132400	E	TBLK: 8260_LL_W (8260 VOC site list (68))
				F	
City/State/Zip	Marietta, 30062	City/State/Zip	Dallas TX 75313	G	
Phone	(770) 973-2100	Phone		H	
Fax		Fax		I	
e-Mail Address	sofie.weber.snapp@wsp.com	e-Mail Address	APInvoicesETP.mailbox@energytransfe	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	8260 Trip Blank			Water	1,8	2					X						
2	8011 Trip Blank			Water	1,8	2		X									
3	MW-32	11/17/22	14:10	H_2O	1,8	6	X	X	X		X						
4	MW-32	11/17/22	14:10	H_2O	+8	2	X	X	X								
5	MW-29	11/17/22	15:05	H_2O	1,8	6	X	X	X		X						
6	MW-29	11/17/22	15:05	H_2O	8	2	X	X	X								
7	MW-27	11/18/22	10:30	H_2O	1,8	6	X	X	X								
8	MW-27	11/18/22	10:30	H_2O	8	2	X	X	X								
9	MW-21	11/18/22	11:41	H_2O	1,8	6	X	X	X								
10	MW-21	11/18/22	11:41	H_2O	8	2	X	X	X								

Sampler(s) Please Print & Sign

Shipment Method

Required Turnaround Time: (Check Box) [X] 8 [X] STD (10 W. Days) [ ] 5 W. Days [ ] 2 W. Days [ ] 24 Hour

Results Due Date:

Relinquished by: Date: 11/22/22 Time: 14:00

Relinquished by: Date: Time:

Received by:

Received by (Laboratory):

Checked by (Laboratory): Date: Time:

Notes: WSP ET Roswell NM

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

- [X] Level II Std QC
- [ ] Level III Std QC/Raw Data
- [ ] Level IV SW846/CLP
- [ ] Other
- [ ] TRRP Checklist
- [ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental

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Chain of Custody Form

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COC ID: 281769

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	WBS E-19002-CV-26050001 / Stacy B	Project Name	Energy Transfer Roswell GW	A	8260_LL_W (8260 VOC site list (67)) FOR All
Work Order		Project Number	EC02.20180005.01	B	8011_W (8011 EDB, DBCP) FOR All
Company Name	WSP USA	Bill To Company	Energy Transfer	C	8270_Min_W (8270_LL_Naph.1 & 2-MethNaph (100mL)) All
Send Report To	Sofie Weber-Snapp	Invoice Attn	Accounts Payable	D	(8270_LL 1,4-dioxane [w/Naph,1&2-MethNaph (100mL)]) SIMM
Address	1880 W Oak Pkwy Building 100 Suite 106	Address	P.O Box 132400	E	TBLK: 8260_LL_W (8260 VOC site list (68)) Trip Blank
				F	
City/State/Zip	Marietta, 30062	City/State/Zip	Dallas TX 75313	G	
Phone	(770) 973-2100	Phone		H	
Fax		Fax		I	
e-Mail Address	sofie.weber.snapp@wsp.com	e-Mail Address	APInvoicesETP.mailbox@energytransfe	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	8260 Trip Blank			Water	1,8	2					X						
2	8011 Trip Blank			Water	1,8	2	X	X									
3	MW-14	11/18/22	14:45	H2O	1,8	6	X	X	X								
4	MW-14	11/18/22	14:45	H2O	8	2	X	X	X								
5	ESP Equipment Rinsate ESP Pump	11/20/22	11:30	H2O	1,8	6	X	X	X	X							
6	ESP Equipment Rinsate ESP Pump	11/20/22	11:30	H2O	8	2	X	X	X	X							
7	MW-22	11/20/22	12:56	H2O	1,8	6	X	X	X	X							
8	MW-22	11/20/22	12:56	H2O	8	2	X	X	X	X							
9	MW-22 Duplicate	11/20/22	12:56	H2O	1,8	6	X	X	X	X							
10	MW-22 Duplicate	11/20/22	12:56	H2O	8	2	X	X	X	X							

Sampler(s) Please Print & Sign:

Shipment Method:

Required Turnaround Time: (Check Box) [X] 8 [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 3 Wk Days [ ] 24 Hour

Results Due Date:

Relinquished by: Date: 11/21/22 Time: 1400 Received by:

Relinquished by: Date: Time: Received by (Laboratory):

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes: WSP ET Roswell NM

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

[X] Level II Std QC [ ] TRRP Checklist
[ ] Level III Std QC/Raw Data [ ] TRRP Level IV
[ ] Level IV SW846/CLP
[ ] Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Notes:
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COC ID: 281766

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	WBS E-19002-CV-26050001 / Stacy B	Project Name	Energy Transfer Roswell GW	A	8260_LL_W (8260 VOC site list (67))
Work Order		Project Number	EC02.20180005.01	B	8011_W (8011 EDB, DBCP)
Company Name	WSP USA	Bill To Company	Energy Transfer	C	8270_Min_W (8270_LL_Naph.1 & 2-MethNaph (100mL))
Send Report To	Sofie Weber-Snapp	Invoice Attn	Accounts Payable	D	(8270_LL 1,4-dioxane [w/Naph.1&2-MethNaph (100mL)])
Address	1880 W Oak Pkwy Building 100 Suite 106	Address	P.O Box 132400	E	TBLK: 8260_LL_W (8260 VOC site list (68))
				F	
City/State/Zip	Marietta, 30062	City/State/Zip	Dallas TX 75313	G	
Phone	(770) 973-2100	Phone		H	
Fax		Fax		I	
e-Mail Address	sofie.weber.snapp@wsp.com	e-Mail Address	APInvoicesETP.mailbox@energytransfe	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	8260 Trip Blank			Water	1,8	2					X						
2	8011 Trip Blank			Water	1,8	2		X									
3	MW-20	11/20/22	13:40	H20	1,8	6	X	X	X	X							
4	MW-20	11/20/22	13:40	H20	8	2	X	X	X	X							
5	MW-26	11/20/22	14:03	H20	1,8	6	X	X	X	X							
6	MW-26	11/20/22	14:03	H20	8	2	X	X	X	X							
7	MW-13	11/20/22	15:20	H20	1,8	6	X	X	X								
8	MW-13	11/20/22	15:20	H20	8	2	X	X	X								
9	SVE-28	11/20/22	15:47	H20	1,8	6	X	X	X	X							
10	SVE-28	11/20/22	15:47	H20	8	2	X	X	X	X							

Sampler(s) Please Print & Sign:

Shipment Method:

Required Turnaround Time: (Check Box) [X] 8 [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour

Results Due Date:

Relinquished by:	Date: 11/21/22	Time: 1400	Received by:	Notes: WSP ET Roswell NM	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

QC Package: (Check One Box Below)
- [X] Level II Std QC
- [ ] Level III Std QC/Raw Data
- [ ] Level IV SW846/CLP
- [ ] Other
- [ ] TRRP Checklist
- [ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Notes:
1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Chain of Custody Form

COC ID: 281765

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	WBS E-19002-CV-26050001 / Stacy B	Project Name	Energy Transfer Roswell GW	A	8260_LL_W (8260 VOC site list (67))
Work Order		Project Number	EC02.20180005.01	B	8011_W (8011 EDB, DBCP)
Company Name	WSP USA	Bill To Company	Energy Transfer	C	8270_Min_W (8270_LL_Naph,1 & 2-MethNaph (100mL))
Send Report To	Sofie Weber-Snapp	Invoice Attn	Accounts Payable	D	(8270_LL_1,4-dioxane [w/Naph,1&2-MethNaph (100mL)])
Address	1880 W Oak Pkwy Building 100 Suite 106	Address	P.O Box 132400	E	TBLK: 8260_LL_W (8260 VOC site list (68))
				F	
City/State/Zip	Marietta, 30062	City/State/Zip	Dallas TX 75313	G	
Phone	(770) 973-2100	Phone		H	
Fax		Fax		I	
e-Mail Address	sofie.weber.snapp@wsp.com	e-Mail Address	APInvoicesETP.mailbox@energytransfe	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	8260 Trip Blank			Water	1,8	2					X						
2	8011 Trip Blank			Water	1,8	2		X									
3	ESP Pump Equipment Rinsate	11/21/22	0730	Water	1,8	6	X	X	X								
4	ESP Pump Equipment Rinsate	11/21/22	0730	Water	8	2	X	X	X								
5	MW-24D	11/21/22	0920	Water	1,8	6	X	X	X								
6	MW-24D	11/21/22	0920	Water	8	2	X	X	X								
7	MW-42	11/21/22	0936	Water	1,8	6	X	X	X	X							
8	MW-42	11/21/22	0936	Water	1,8	6	X	X	X	X							
9	MW-42 Duplicate	11/21/22	0936	Water	8	2	X	X	X	X							
10	MW-42 Duplicate	11/21/22	0936	Water	8	2	X	X	X	X							

Sampler(s) Please Print & Sign

Shipment Method

Required Turnaround Time: (Check Box) [X] 8 [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour

Results Due Date:

Relinquished by:	Date: 11/21/22	Time: 1400	Received by:	Notes: WSP ET Roswell NM
Relinquished by:	Date:	Time:	Received by (Laboratory):	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

- [X] Level II Std QC
- [ ] Level III Std QC/Raw Data
- [ ] Level IV SW846/CLP
- [ ] Other
- [ ] TRRP Checklist
- [ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
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COC ID: 281771

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	WBS E-19002-CV-26050001 / Stacy B	Project Name	Energy Transfer Roswell GW	A	8260_LL_W (8260 VOC site list (67))
Work Order		Project Number	EC02.20180005.01	B	8011_W (8011 EDB, DBCP)
Company Name	WSP USA	Bill To Company	Energy Transfer	C	8270_Min_W (8270_LL Naph,1 & 2-MethNaph (100mL))
Send Report To	Sofie Weber-Snapp	Invoice Attn	Accounts Payable	D	(8270_LL 1,4-dioxane [w/Naph,1&2-MethNaph (100mL)])
Address	1880 W Oak Pkwy Building 100 Suite 106	Address	P.O Box 132400	E	TBLK: 8260_LL_W (8260 VOC site list (68))
				F	
City/State/Zip	Marietta, 30062	City/State/Zip	Dallas TX 75313	G	
Phone	(770) 973-2100	Phone		H	
Fax		Fax		I	
e-Mail Address	sofie.weber.snapp@wsp.com	e-Mail Address	APinvoicesETP.mailbox@energytransfe	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	8260 Trip Blank			Water	1,8	2					X						
2	8011 Trip Blank			Water	1,8	2		X									
3	MW-40	11/21/22	10:30	Water	1,8	6	X	X	X	X							
4	MW-40	11/21/22	10:30	Water	8	2	X	X	X	X							
5	MW-41	11/21/22	11:00	Water	1,8	6	X	X	X	X							
6	MW-41	11/21/22	11:00	Water	8	2	X	X	X	X							
7	MW-39	11/21/22	11:37	Water	1,8	6	X	X	X	X							
8	MW-39	11/21/22	11:37	Water	8	2	X	X	X	X							
9																	
10																	

Sampler(s) Please Print & Sign

Shipment Method: FEDEX

Required Turnaround Time: (Check Box) [X] 8 [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour

Results Due Date:

	Date:	Time:		
Relinquished by:	11/21/22	14:00	Received by:	
Relinquished by:	Date:	Time:	Received by (Laboratory):	
Shipped by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Notes: WSP ET Roswell NM

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

[X] Level II Std QC [ ] TRRP Checklist

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APPENDIX B

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F: +1 281 530 5887

June 01, 2022

Sofie Weber-Snapp
WSP USA
1880 W Oak Pkwy Building 100
Suite 106
Marietta, GA 30062

Work Order: **HS22050761**

Laboratory Results for: **Energy Transfer Roswell GW**

Dear Sofie Weber-Snapp,

ALS Environmental received 25 sample(s) on May 17, 2022 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: JUMOKE.LAWAL
Dane J. Wacasey

ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Work Order: HS22050761

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22050761-01	MW-34	Water		11-May-2022 12:07	17-May-2022 09:20	
HS22050761-02	MW-34 Duplicate	Water		11-May-2022 12:07	17-May-2022 09:20	
HS22050761-03	MW-29	Water		11-May-2022 13:30	17-May-2022 09:20	
HS22050761-04	MW-27	Water		11-May-2022 14:00	17-May-2022 09:20	
HS22050761-05	MW-21	Water		12-May-2022 09:13	17-May-2022 09:20	
HS22050761-06	MW-21 Duplicate	Water		12-May-2022 09:13	17-May-2022 09:20	
HS22050761-07	MW-17	Water		12-May-2022 09:42	17-May-2022 09:20	
HS22050761-08	MW-17 Duplicate	Water		12-May-2022 09:42	17-May-2022 09:20	
HS22050761-09	MW-22	Water		12-May-2022 13:42	17-May-2022 09:20	
HS22050761-10	MW-26	Water		12-May-2022 14:34	17-May-2022 09:20	
HS22050761-11	MW-20	Water		12-May-2022 15:42	17-May-2022 09:20	
HS22050761-12	MW-42	Water		13-May-2022 09:29	17-May-2022 09:20	
HS22050761-13	MW-40	Water		13-May-2022 10:06	17-May-2022 09:20	
HS22050761-14	MW-41	Water		13-May-2022 10:43	17-May-2022 09:20	
HS22050761-15	MW-39	Water		14-May-2022 09:06	17-May-2022 09:20	
HS22050761-16	MW-39 Duplicate	Water		14-May-2022 09:06	17-May-2022 09:20	
HS22050761-17	MW-11	Water		14-May-2022 09:27	17-May-2022 09:20	
HS22050761-18	MW-11 Duplicate	Water		14-May-2022 09:27	17-May-2022 09:20	
HS22050761-19	SVE-30	Water		14-May-2022 09:43	17-May-2022 09:20	
HS22050761-20	MW-10	Water		14-May-2022 10:42	17-May-2022 09:20	
HS22050761-21	SVE-28	Water		14-May-2022 13:20	17-May-2022 09:20	
HS22050761-22	RW-1	Water		14-May-2022 13:54	17-May-2022 09:20	
HS22050761-23	Trip Blank 1	Water	CG-040422-08	11-May-2022 00:00	17-May-2022 09:20	
HS22050761-24	Trip Blank 2	Water	CG-040422-09	12-May-2022 00:00	17-May-2022 09:20	
HS22050761-25	Trip Blank 3	Water	CG-040422-10	14-May-2022 00:00	17-May-2022 09:20	

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 01-Jun-22

Client: WSP USA **CASE NARRATIVE**
Project: Energy Transfer Roswell GW
Work Order: HS22050761

GCMS Semivolatiles by Method SW8270

Batch ID: 178967

Sample ID: LCSD-178967

- The RPD between the LCS and LCSD was outside of the control limit.

Sample ID: MW-26 (HS22050761-10)

- One or more surrogate recoveries were above the upper control limits. No target analytes were detected in the sample. The high surrogate recoveries did not impact the non-detect results for target analytes.

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA **CASE NARRATIVE**
Project: Energy Transfer Roswell GW
Work Order: HS22050761

GCMS Volatiles by Method SW8260

Batch ID: R409132

Sample ID: MW-21 Duplicate (HS22050761-06)

- Surrogate failed high due to matrix interference. This surrogate is not associated with the target compounds. 4-Bromofluorobenzene

Sample ID: MW-27 (HS22050761-04)

- Surrogate failed high due to matrix interference. This surrogate is not associated with the target compounds. 4-Bromofluorobenzene

Batch ID: R409102

Sample ID: VLCSW-220520

- 1,2-Dichlorobenzene, 1,4-Dichlorobenzene high in LCS but samples are ND.

Sample ID: HS22050645-19MSD

- MSD is for an unrelated sample

Batch ID: R409131

Sample ID: HS22050523-02MS

- MS and MSD are for an unrelated sample

Batch ID: R409144

Sample ID: VLCSW-220521

- 1,1-Dichloroethene, Trichlorofluoromethane high in LCS but samples are ND.

Sample ID: VSTD050

- CCV has some compounds failing outside control limits high. All the samples are ND.

Sample ID: MW-20 (HS22050761-11)

- Toluene-d8 failed low due to matrix effect. Surrogate failure is confirmed by reanalysis.

Sample ID: MW-22 (HS22050761-09MS)

- MS/MSD failed QC and RPD limits for some compounds due to matrix effect.

Batch ID: R409160

Sample ID: HS22050517-03MSD

- MSD is for an unrelated sample

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-34
Collection Date: 11-May-2022 12:07

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-01
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
Benzene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 10:34
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 10:34
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 10:34
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 10:34
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*1*	*21-May-2022 10:34*
Surr: 4-Bromofluorobenzene	*104*			*77-113*	*%REC*	*1*	*21-May-2022 10:34*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*21-May-2022 10:34*
Surr: Toluene-d8	*99.0*			*82-127*	*%REC*	*1*	*21-May-2022 10:34*

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-34 Duplicate
Collection Date: 11-May-2022 12:07

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-02
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
Benzene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 10:55
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 10:55
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 10:55
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 10:55
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*21-May-2022 10:55*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*1*	*21-May-2022 10:55*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*21-May-2022 10:55*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*21-May-2022 10:55*

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-29
Collection Date: 11-May-2022 13:30

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-03
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
Benzene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 11:17
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 11:17
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 11:17
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 11:17
Surr: 1,2-Dichloroethane-d4	*106*			*70-126*	*%REC*	*1*	*21-May-2022 11:17*
Surr: 4-Bromofluorobenzene	*103*			*77-113*	*%REC*	*1*	*21-May-2022 11:17*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*21-May-2022 11:17*
Surr: Toluene-d8	*99.9*			*82-127*	*%REC*	*1*	*21-May-2022 11:17*

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-27
Collection Date: 11-May-2022 14:00

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-04
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
Benzene	**3.0**		**0.20**	**1.0**	**ug/L**	1	21-May-2022 07:29
Ethylbenzene	**1.8**		**0.30**	**1.0**	**ug/L**	1	21-May-2022 07:29
Toluene	**2.4**		**0.20**	**1.0**	**ug/L**	1	21-May-2022 07:29
Xylenes, Total	**1.3**		**0.30**	**1.0**	**ug/L**	1	21-May-2022 07:29
Surr: 1,2-Dichloroethane-d4	*117*			*70-126*	*%REC*	*1*	*21-May-2022 07:29*
Surr: 4-Bromofluorobenzene	*158*	*S*		*77-113*	*%REC*	*1*	*21-May-2022 07:29*
Surr: Dibromofluoromethane	*106*			*77-123*	*%REC*	*1*	*21-May-2022 07:29*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*21-May-2022 07:29*

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-21
Collection Date: 12-May-2022 09:13

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-05
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
Benzene	**1.2**		**0.20**	**1.0**	**ug/L**	1	23-May-2022 18:35
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	23-May-2022 18:35
Toluene	< 0.20		0.20	1.0	ug/L	1	23-May-2022 18:35
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	23-May-2022 18:35
Surr: 1,2-Dichloroethane-d4	*113*			*70-126*	*%REC*	*1*	*23-May-2022 18:35*
Surr: 4-Bromofluorobenzene	*98.4*			*77-113*	*%REC*	*1*	*23-May-2022 18:35*
Surr: Dibromofluoromethane	*108*			*77-123*	*%REC*	*1*	*23-May-2022 18:35*
Surr: Toluene-d8	*107*			*82-127*	*%REC*	*1*	*23-May-2022 18:35*

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-21 Duplicate
Collection Date: 12-May-2022 09:13

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-06
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: FT
Benzene	**1.5**		**0.20**	**1.0**	**ug/L**	1	21-May-2022 08:15
Ethylbenzene	**0.52**	J	**0.30**	**1.0**	**ug/L**	1	21-May-2022 08:15
Toluene	**2.1**		**0.20**	**1.0**	**ug/L**	1	21-May-2022 08:15
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 08:15
Surr: 1,2-Dichloroethane-d4	*118*			*70-126*	*%REC*	*1*	*21-May-2022 08:15*
Surr: 4-Bromofluorobenzene	*214*	*S*		*77-113*	*%REC*	*1*	*21-May-2022 08:15*
Surr: Dibromofluoromethane	*107*			*77-123*	*%REC*	*1*	*21-May-2022 08:15*
Surr: Toluene-d8	*107*			*82-127*	*%REC*	*1*	*21-May-2022 08:15*

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-17
Collection Date: 12-May-2022 09:42

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-07
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: ZQM
Benzene	**7.2**		**1.0**	**5.0**	**ug/L**	5	23-May-2022 18:58
Ethylbenzene	< 1.5		1.5	5.0	ug/L	5	23-May-2022 18:58
Toluene	**11**		**1.0**	**5.0**	**ug/L**	5	23-May-2022 18:58
Xylenes, Total	< 1.5		1.5	5.0	ug/L	5	23-May-2022 18:58
Surr: 1,2-Dichloroethane-d4	*115*			*70-126*	*%REC*	*5*	*23-May-2022 18:58*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*5*	*23-May-2022 18:58*
Surr: Dibromofluoromethane	*108*			*77-123*	*%REC*	*5*	*23-May-2022 18:58*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*5*	*23-May-2022 18:58*

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-17 Duplicate
Collection Date: 12-May-2022 09:42

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-08
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
Benzene	**1.3**		**0.20**	**1.0**	**ug/L**	1	21-May-2022 18:44
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 18:44
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 18:44
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 18:44
Surr: 1,2-Dichloroethane-d4	*112*			*70-126*	*%REC*	*1*	*21-May-2022 18:44*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*21-May-2022 18:44*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*21-May-2022 18:44*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*21-May-2022 18:44*

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-22
Collection Date: 12-May-2022 13:42

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-09
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,1,1-Trichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 17:36
1,1,2,2-Tetrachloroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 17:36
1,1,2-Trichlor-1,2,2-trifluoroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 17:36
1,1,2-Trichloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 17:36
1,1-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 17:36
1,1-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 17:36
1,2,4-Trichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 17:36
1,2-Dibromo-3-chloropropane	< 1.0		1.0	1.0	ug/L	1	21-May-2022 17:36
1,2-Dibromoethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 17:36
1,2-Dichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 17:36
1,2-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 17:36
1,2-Dichloropropane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 17:36
1,3-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 17:36
1,4-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 17:36
2-Butanone	< 0.50		0.50	2.0	ug/L	1	21-May-2022 17:36
2-Hexanone	< 1.0		1.0	2.0	ug/L	1	21-May-2022 17:36
4-Methyl-2-pentanone	< 0.70		0.70	2.0	ug/L	1	21-May-2022 17:36
Acetone	< 2.0		2.0	2.0	ug/L	1	21-May-2022 17:36
Benzene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 17:36
Bromodichloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 17:36
Bromoform	< 0.40		0.40	1.0	ug/L	1	21-May-2022 17:36
Bromomethane	< 0.40		0.40	1.0	ug/L	1	21-May-2022 17:36
Carbon disulfide	< 0.60		0.60	2.0	ug/L	1	21-May-2022 17:36
Carbon tetrachloride	< 0.50		0.50	1.0	ug/L	1	21-May-2022 17:36
Chlorobenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 17:36
Chloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 17:36
Chloroform	< 0.20		0.20	1.0	ug/L	1	21-May-2022 17:36
Chloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 17:36
cis-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 17:36
cis-1,3-Dichloropropene	< 0.10		0.10	1.0	ug/L	1	21-May-2022 17:36
Cyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 17:36
Dibromochloromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 17:36
Dichlorodifluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 17:36
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 17:36
Isopropylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 17:36
m,p-Xylene	< 0.50		0.50	2.0	ug/L	1	21-May-2022 17:36
Methyl acetate	< 1.0		1.0	1.0	ug/L	1	21-May-2022 17:36
Methyl tert-butyl ether	< 0.20		0.20	1.0	ug/L	1	21-May-2022 17:36
Methylcyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 17:36

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-22
Collection Date: 12-May-2022 13:42

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-09
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: DLB
Methylene chloride	< 1.0		1.0	2.0	ug/L	1	21-May-2022 17:36
o-Xylene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 17:36
Styrene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 17:36
Tetrachloroethene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 17:36
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 17:36
trans-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 17:36
trans-1,3-Dichloropropene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 17:36
Trichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 17:36
Trichlorofluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 17:36
Vinyl chloride	< 0.20		0.20	1.0	ug/L	1	21-May-2022 17:36
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 17:36
Surr: 1,2-Dichloroethane-d4	*114*			*70-126*	*%REC*	*1*	*21-May-2022 17:36*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*21-May-2022 17:36*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*21-May-2022 17:36*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*21-May-2022 17:36*
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 18-May-2022		Analyst: EM
1,4-Dioxane	**0.99**		**0.057**	**0.20**	**ug/L**	1	20-May-2022 14:24
Naphthalene	< 0.020		0.020	0.10	ug/L	1	20-May-2022 14:24
Surr: 2-Fluorobiphenyl	*89.7*			*40-125*	*%REC*	*1*	*20-May-2022 14:24*
Surr: 4-Terphenyl-d14	*104*			*40-135*	*%REC*	*1*	*20-May-2022 14:24*
Surr: Nitrobenzene-d5	*84.7*			*41-120*	*%REC*	*1*	*20-May-2022 14:24*

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-26
Collection Date: 12-May-2022 14:34

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-10
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,1,1-Trichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:06
1,1,2,2-Tetrachloroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:06
1,1,2-Trichlor-1,2,2-trifluoroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:06
1,1,2-Trichloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:06
1,1-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:06
1,1-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:06
1,2,4-Trichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:06
1,2-Dibromo-3-chloropropane	< 1.0		1.0	1.0	ug/L	1	21-May-2022 19:06
1,2-Dibromoethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:06
1,2-Dichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:06
1,2-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:06
1,2-Dichloropropane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:06
1,3-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 19:06
1,4-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 19:06
2-Butanone	< 0.50		0.50	2.0	ug/L	1	21-May-2022 19:06
2-Hexanone	< 1.0		1.0	2.0	ug/L	1	21-May-2022 19:06
4-Methyl-2-pentanone	< 0.70		0.70	2.0	ug/L	1	21-May-2022 19:06
Acetone	< 2.0		2.0	2.0	ug/L	1	21-May-2022 19:06
Benzene	**0.95**	J	**0.20**	**1.0**	**ug/L**	1	21-May-2022 19:06
Bromodichloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:06
Bromoform	< 0.40		0.40	1.0	ug/L	1	21-May-2022 19:06
Bromomethane	< 0.40		0.40	1.0	ug/L	1	21-May-2022 19:06
Carbon disulfide	< 0.60		0.60	2.0	ug/L	1	21-May-2022 19:06
Carbon tetrachloride	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:06
Chlorobenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:06
Chloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:06
Chloroform	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:06
Chloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:06
cis-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:06
cis-1,3-Dichloropropene	< 0.10		0.10	1.0	ug/L	1	21-May-2022 19:06
Cyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:06
Dibromochloromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:06
Dichlorodifluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:06
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:06
Isopropylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:06
m,p-Xylene	< 0.50		0.50	2.0	ug/L	1	21-May-2022 19:06
Methyl acetate	< 1.0		1.0	1.0	ug/L	1	21-May-2022 19:06
Methyl tert-butyl ether	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:06
Methylcyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:06

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-26
Collection Date: 12-May-2022 14:34

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-10
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: DLB
Methylene chloride	< 1.0		1.0	2.0	ug/L	1	21-May-2022 19:06
o-Xylene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:06
Styrene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:06
Tetrachloroethene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:06
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:06
trans-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:06
trans-1,3-Dichloropropene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:06
Trichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:06
Trichlorofluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:06
Vinyl chloride	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:06
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:06
Surr: 1,2-Dichloroethane-d4	*117*			*70-126*	*%REC*	*1*	*21-May-2022 19:06*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*21-May-2022 19:06*
Surr: Dibromofluoromethane	*107*			*77-123*	*%REC*	*1*	*21-May-2022 19:06*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*21-May-2022 19:06*
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 18-May-2022		Analyst: MBG
1,4-Dioxane	< 0.057		0.057	0.20	ug/L	1	31-May-2022 19:23
Naphthalene	< 0.020		0.020	0.10	ug/L	1	31-May-2022 19:23
Surr: 2-Fluorobiphenyl	*185*	*S*		*40-125*	*%REC*	*1*	*31-May-2022 19:23*
Surr: 4-Terphenyl-d14	*225*	*SE*		*40-135*	*%REC*	*1*	*31-May-2022 19:23*
Surr: Nitrobenzene-d5	*210*	*SE*		*41-120*	*%REC*	*1*	*31-May-2022 19:23*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-20
Collection Date: 12-May-2022 15:42

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-11
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,1,1-Trichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:29
1,1,2,2-Tetrachloroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:29
1,1,2-Trichlor-1,2,2-trifluoroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:29
1,1,2-Trichloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:29
1,1-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:29
1,1-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:29
1,2,4-Trichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:29
1,2-Dibromo-3-chloropropane	< 1.0		1.0	1.0	ug/L	1	21-May-2022 19:29
1,2-Dibromoethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:29
1,2-Dichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:29
1,2-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:29
1,2-Dichloropropane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:29
1,3-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 19:29
1,4-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 19:29
2-Butanone	< 0.50		0.50	2.0	ug/L	1	21-May-2022 19:29
2-Hexanone	< 1.0		1.0	2.0	ug/L	1	21-May-2022 19:29
4-Methyl-2-pentanone	< 0.70		0.70	2.0	ug/L	1	21-May-2022 19:29
Acetone	< 2.0		2.0	2.0	ug/L	1	21-May-2022 19:29
Benzene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:29
Bromodichloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:29
Bromoform	< 0.40		0.40	1.0	ug/L	1	21-May-2022 19:29
Bromomethane	< 0.40		0.40	1.0	ug/L	1	21-May-2022 19:29
Carbon disulfide	< 0.60		0.60	2.0	ug/L	1	21-May-2022 19:29
Carbon tetrachloride	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:29
Chlorobenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:29
Chloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:29
Chloroform	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:29
Chloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:29
cis-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:29
cis-1,3-Dichloropropene	< 0.10		0.10	1.0	ug/L	1	21-May-2022 19:29
Cyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:29
Dibromochloromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:29
Dichlorodifluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:29
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:29
Isopropylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:29
m,p-Xylene	< 0.50		0.50	2.0	ug/L	1	21-May-2022 19:29
Methyl acetate	< 1.0		1.0	1.0	ug/L	1	21-May-2022 19:29
Methyl tert-butyl ether	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:29
Methylcyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:29

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-20
Collection Date: 12-May-2022 15:42

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-11
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: DLB
Methylene chloride	< 1.0		1.0	2.0	ug/L	1	21-May-2022 19:29
o-Xylene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:29
Styrene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:29
Tetrachloroethene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:29
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:29
trans-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:29
trans-1,3-Dichloropropene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:29
Trichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:29
Trichlorofluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:29
Vinyl chloride	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:29
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:29
Surr: 1,2-Dichloroethane-d4	*114*			*70-126*	*%REC*	*1*	*21-May-2022 19:29*
Surr: 4-Bromofluorobenzene	*106*			*77-113*	*%REC*	*1*	*21-May-2022 19:29*
Surr: Dibromofluoromethane	*106*			*77-123*	*%REC*	*1*	*21-May-2022 19:29*
Surr: Toluene-d8	*53.8*	*S*		*82-127*	*%REC*	*1*	*21-May-2022 19:29*
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 18-May-2022		Analyst: EM
1,4-Dioxane	< 0.057		0.057	0.20	ug/L	1	20-May-2022 15:40
Naphthalene	< 0.020		0.020	0.10	ug/L	1	20-May-2022 15:40
Surr: 2-Fluorobiphenyl	*93.1*			*40-125*	*%REC*	*1*	*20-May-2022 15:40*
Surr: 4-Terphenyl-d14	*106*			*40-135*	*%REC*	*1*	*20-May-2022 15:40*
Surr: Nitrobenzene-d5	*84.2*			*41-120*	*%REC*	*1*	*20-May-2022 15:40*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-42
Collection Date: 13-May-2022 09:29

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-12
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,1,1-Trichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:51
1,1,2,2-Tetrachloroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:51
1,1,2-Trichlor-1,2,2-trifluoroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:51
1,1,2-Trichloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:51
1,1-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:51
1,1-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:51
1,2,4-Trichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:51
1,2-Dibromo-3-chloropropane	< 1.0		1.0	1.0	ug/L	1	21-May-2022 19:51
1,2-Dibromoethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:51
1,2-Dichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:51
1,2-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:51
1,2-Dichloropropane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:51
1,3-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 19:51
1,4-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 19:51
2-Butanone	< 0.50		0.50	2.0	ug/L	1	21-May-2022 19:51
2-Hexanone	< 1.0		1.0	2.0	ug/L	1	21-May-2022 19:51
4-Methyl-2-pentanone	< 0.70		0.70	2.0	ug/L	1	21-May-2022 19:51
Acetone	< 2.0		2.0	2.0	ug/L	1	21-May-2022 19:51
Benzene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:51
Bromodichloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:51
Bromoform	< 0.40		0.40	1.0	ug/L	1	21-May-2022 19:51
Bromomethane	< 0.40		0.40	1.0	ug/L	1	21-May-2022 19:51
Carbon disulfide	< 0.60		0.60	2.0	ug/L	1	21-May-2022 19:51
Carbon tetrachloride	< 0.50		0.50	1.0	ug/L	1	21-May-2022 19:51
Chlorobenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:51
Chloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:51
Chloroform	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:51
Chloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:51
cis-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:51
cis-1,3-Dichloropropene	< 0.10		0.10	1.0	ug/L	1	21-May-2022 19:51
Cyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:51
Dibromochloromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:51
Dichlorodifluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:51
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:51
Isopropylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:51
m,p-Xylene	< 0.50		0.50	2.0	ug/L	1	21-May-2022 19:51
Methyl acetate	< 1.0		1.0	1.0	ug/L	1	21-May-2022 19:51
Methyl tert-butyl ether	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:51
Methylcyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:51

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-42
Collection Date: 13-May-2022 09:29

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-12
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
Methylene chloride	< 1.0		1.0	2.0	ug/L	1	21-May-2022 19:51
o-Xylene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:51
Styrene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:51
Tetrachloroethene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:51
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:51
trans-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:51
trans-1,3-Dichloropropene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:51
Trichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:51
Trichlorofluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:51
Vinyl chloride	< 0.20		0.20	1.0	ug/L	1	21-May-2022 19:51
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 19:51
Surr: 1,2-Dichloroethane-d4	*114*			*70-126*	*%REC*	*1*	*21-May-2022 19:51*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*21-May-2022 19:51*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*21-May-2022 19:51*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*21-May-2022 19:51*
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-May-2022		Analyst: EM
1,4-Dioxane	< 0.057		0.057	0.20	ug/L	1	20-May-2022 15:59
Naphthalene	< 0.020		0.020	0.10	ug/L	1	20-May-2022 15:59
Surr: 2-Fluorobiphenyl	*75.0*			*40-125*	*%REC*	*1*	*20-May-2022 15:59*
Surr: 4-Terphenyl-d14	*84.5*			*40-135*	*%REC*	*1*	*20-May-2022 15:59*
Surr: Nitrobenzene-d5	*68.7*			*41-120*	*%REC*	*1*	*20-May-2022 15:59*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-40
Collection Date: 13-May-2022 10:06

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-13
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,1,1-Trichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:14
1,1,2,2-Tetrachloroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:14
1,1,2-Trichlor-1,2,2-trifluoroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:14
1,1,2-Trichloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:14
1,1-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:14
1,1-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:14
1,2,4-Trichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:14
1,2-Dibromo-3-chloropropane	< 1.0		1.0	1.0	ug/L	1	21-May-2022 20:14
1,2-Dibromoethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:14
1,2-Dichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:14
1,2-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:14
1,2-Dichloropropane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:14
1,3-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 20:14
1,4-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 20:14
2-Butanone	< 0.50		0.50	2.0	ug/L	1	21-May-2022 20:14
2-Hexanone	< 1.0		1.0	2.0	ug/L	1	21-May-2022 20:14
4-Methyl-2-pentanone	< 0.70		0.70	2.0	ug/L	1	21-May-2022 20:14
Acetone	< 2.0		2.0	2.0	ug/L	1	21-May-2022 20:14
Benzene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:14
Bromodichloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:14
Bromoform	< 0.40		0.40	1.0	ug/L	1	21-May-2022 20:14
Bromomethane	< 0.40		0.40	1.0	ug/L	1	21-May-2022 20:14
Carbon disulfide	< 0.60		0.60	2.0	ug/L	1	21-May-2022 20:14
Carbon tetrachloride	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:14
Chlorobenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:14
Chloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:14
Chloroform	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:14
Chloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:14
cis-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:14
cis-1,3-Dichloropropene	< 0.10		0.10	1.0	ug/L	1	21-May-2022 20:14
Cyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:14
Dibromochloromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:14
Dichlorodifluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:14
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:14
Isopropylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:14
m,p-Xylene	< 0.50		0.50	2.0	ug/L	1	21-May-2022 20:14
Methyl acetate	< 1.0		1.0	1.0	ug/L	1	21-May-2022 20:14
Methyl tert-butyl ether	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:14
Methylcyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:14

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-40
Collection Date: 13-May-2022 10:06

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-13
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
Methylene chloride	< 1.0		1.0	2.0	ug/L	1	21-May-2022 20:14
o-Xylene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:14
Styrene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:14
Tetrachloroethene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:14
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:14
trans-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:14
trans-1,3-Dichloropropene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:14
Trichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:14
Trichlorofluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:14
Vinyl chloride	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:14
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:14
Surr: 1,2-Dichloroethane-d4	*117*			*70-126*	*%REC*	*1*	*21-May-2022 20:14*
Surr: 4-Bromofluorobenzene	*104*			*77-113*	*%REC*	*1*	*21-May-2022 20:14*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*21-May-2022 20:14*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*21-May-2022 20:14*
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-May-2022		Analyst: EM
1,4-Dioxane	< 0.057		0.057	0.20	ug/L	1	20-May-2022 16:18
Naphthalene	< 0.020		0.020	0.10	ug/L	1	20-May-2022 16:18
Surr: 2-Fluorobiphenyl	*79.9*			*40-125*	*%REC*	*1*	*20-May-2022 16:18*
Surr: 4-Terphenyl-d14	*99.9*			*40-135*	*%REC*	*1*	*20-May-2022 16:18*
Surr: Nitrobenzene-d5	*78.6*			*41-120*	*%REC*	*1*	*20-May-2022 16:18*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-41
Collection Date: 13-May-2022 10:43

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-14
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,1,1-Trichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:36
1,1,2,2-Tetrachloroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:36
1,1,2-Trichlor-1,2,2-trifluoroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:36
1,1,2-Trichloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:36
1,1-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:36
1,1-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:36
1,2,4-Trichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:36
1,2-Dibromo-3-chloropropane	< 1.0		1.0	1.0	ug/L	1	21-May-2022 20:36
1,2-Dibromoethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:36
1,2-Dichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:36
1,2-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:36
1,2-Dichloropropane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:36
1,3-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 20:36
1,4-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 20:36
2-Butanone	< 0.50		0.50	2.0	ug/L	1	21-May-2022 20:36
2-Hexanone	< 1.0		1.0	2.0	ug/L	1	21-May-2022 20:36
4-Methyl-2-pentanone	< 0.70		0.70	2.0	ug/L	1	21-May-2022 20:36
Acetone	< 2.0		2.0	2.0	ug/L	1	21-May-2022 20:36
Benzene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:36
Bromodichloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:36
Bromoform	< 0.40		0.40	1.0	ug/L	1	21-May-2022 20:36
Bromomethane	< 0.40		0.40	1.0	ug/L	1	21-May-2022 20:36
Carbon disulfide	< 0.60		0.60	2.0	ug/L	1	21-May-2022 20:36
Carbon tetrachloride	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:36
Chlorobenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:36
Chloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:36
Chloroform	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:36
Chloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:36
cis-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:36
cis-1,3-Dichloropropene	< 0.10		0.10	1.0	ug/L	1	21-May-2022 20:36
Cyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:36
Dibromochloromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:36
Dichlorodifluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:36
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:36
Isopropylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:36
m,p-Xylene	< 0.50		0.50	2.0	ug/L	1	21-May-2022 20:36
Methyl acetate	< 1.0		1.0	1.0	ug/L	1	21-May-2022 20:36
Methyl tert-butyl ether	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:36
Methylcyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:36

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-41
Collection Date: 13-May-2022 10:43

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-14
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: DLB
Methylene chloride	< 1.0		1.0	2.0	ug/L	1	21-May-2022 20:36
o-Xylene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:36
Styrene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:36
Tetrachloroethene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:36
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:36
trans-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:36
trans-1,3-Dichloropropene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:36
Trichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:36
Trichlorofluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:36
Vinyl chloride	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:36
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:36
Surr: 1,2-Dichloroethane-d4	*113*			*70-126*	*%REC*	*1*	*21-May-2022 20:36*
Surr: 4-Bromofluorobenzene	*98.6*			*77-113*	*%REC*	*1*	*21-May-2022 20:36*
Surr: Dibromofluoromethane	*107*			*77-123*	*%REC*	*1*	*21-May-2022 20:36*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*21-May-2022 20:36*
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 18-May-2022		Analyst: EM
1,4-Dioxane	< 0.057		0.057	0.20	ug/L	1	20-May-2022 16:38
Naphthalene	< 0.020		0.020	0.10	ug/L	1	20-May-2022 16:38
Surr: 2-Fluorobiphenyl	*86.7*			*40-125*	*%REC*	*1*	*20-May-2022 16:38*
Surr: 4-Terphenyl-d14	*105*			*40-135*	*%REC*	*1*	*20-May-2022 16:38*
Surr: Nitrobenzene-d5	*84.5*			*41-120*	*%REC*	*1*	*20-May-2022 16:38*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-39
Collection Date: 14-May-2022 09:06

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-15
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,1,1-Trichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:59
1,1,2,2-Tetrachloroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:59
1,1,2-Trichlor-1,2,2-trifluoroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:59
1,1,2-Trichloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:59
1,1-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:59
1,1-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:59
1,2,4-Trichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:59
1,2-Dibromo-3-chloropropane	< 1.0		1.0	1.0	ug/L	1	21-May-2022 20:59
1,2-Dibromoethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:59
1,2-Dichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:59
1,2-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:59
1,2-Dichloropropane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:59
1,3-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 20:59
1,4-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 20:59
2-Butanone	< 0.50		0.50	2.0	ug/L	1	21-May-2022 20:59
2-Hexanone	< 1.0		1.0	2.0	ug/L	1	21-May-2022 20:59
4-Methyl-2-pentanone	< 0.70		0.70	2.0	ug/L	1	21-May-2022 20:59
Acetone	< 2.0		2.0	2.0	ug/L	1	21-May-2022 20:59
Benzene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:59
Bromodichloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:59
Bromoform	< 0.40		0.40	1.0	ug/L	1	21-May-2022 20:59
Bromomethane	< 0.40		0.40	1.0	ug/L	1	21-May-2022 20:59
Carbon disulfide	< 0.60		0.60	2.0	ug/L	1	21-May-2022 20:59
Carbon tetrachloride	< 0.50		0.50	1.0	ug/L	1	21-May-2022 20:59
Chlorobenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:59
Chloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:59
Chloroform	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:59
Chloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:59
cis-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:59
cis-1,3-Dichloropropene	< 0.10		0.10	1.0	ug/L	1	21-May-2022 20:59
Cyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:59
Dibromochloromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:59
Dichlorodifluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:59
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:59
Isopropylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:59
m,p-Xylene	< 0.50		0.50	2.0	ug/L	1	21-May-2022 20:59
Methyl acetate	< 1.0		1.0	1.0	ug/L	1	21-May-2022 20:59
Methyl tert-butyl ether	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:59
Methylcyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:59

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-39
Collection Date: 14-May-2022 09:06

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-15
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: DLB
Methylene chloride	< 1.0		1.0	2.0	ug/L	1	21-May-2022 20:59
o-Xylene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:59
Styrene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:59
Tetrachloroethene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:59
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:59
trans-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:59
trans-1,3-Dichloropropene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:59
Trichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:59
Trichlorofluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:59
Vinyl chloride	< 0.20		0.20	1.0	ug/L	1	21-May-2022 20:59
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 20:59
Surr: 1,2-Dichloroethane-d4	*114*			*70-126*	*%REC*	*1*	*21-May-2022 20:59*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*21-May-2022 20:59*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*21-May-2022 20:59*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*21-May-2022 20:59*
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 18-May-2022		Analyst: EM
1,4-Dioxane	< 0.057		0.057	0.20	ug/L	1	20-May-2022 16:57
Naphthalene	< 0.020		0.020	0.10	ug/L	1	20-May-2022 16:57
Surr: 2-Fluorobiphenyl	*77.7*			*40-125*	*%REC*	*1*	*20-May-2022 16:57*
Surr: 4-Terphenyl-d14	*93.5*			*40-135*	*%REC*	*1*	*20-May-2022 16:57*
Surr: Nitrobenzene-d5	*76.1*			*41-120*	*%REC*	*1*	*20-May-2022 16:57*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-39 Duplicate
Collection Date: 14-May-2022 09:06

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-16
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,1,1-Trichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:21
1,1,2,2-Tetrachloroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 21:21
1,1,2-Trichlor-1,2,2-trifluoroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 21:21
1,1,2-Trichloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 21:21
1,1-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:21
1,1-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:21
1,2,4-Trichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 21:21
1,2-Dibromo-3-chloropropane	< 1.0		1.0	1.0	ug/L	1	21-May-2022 21:21
1,2-Dibromoethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:21
1,2-Dichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 21:21
1,2-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:21
1,2-Dichloropropane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 21:21
1,3-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 21:21
1,4-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 21:21
2-Butanone	< 0.50		0.50	2.0	ug/L	1	21-May-2022 21:21
2-Hexanone	< 1.0		1.0	2.0	ug/L	1	21-May-2022 21:21
4-Methyl-2-pentanone	< 0.70		0.70	2.0	ug/L	1	21-May-2022 21:21
Acetone	< 2.0		2.0	2.0	ug/L	1	21-May-2022 21:21
Benzene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:21
Bromodichloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:21
Bromoform	< 0.40		0.40	1.0	ug/L	1	21-May-2022 21:21
Bromomethane	< 0.40		0.40	1.0	ug/L	1	21-May-2022 21:21
Carbon disulfide	< 0.60		0.60	2.0	ug/L	1	21-May-2022 21:21
Carbon tetrachloride	< 0.50		0.50	1.0	ug/L	1	21-May-2022 21:21
Chlorobenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 21:21
Chloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 21:21
Chloroform	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:21
Chloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:21
cis-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:21
cis-1,3-Dichloropropene	< 0.10		0.10	1.0	ug/L	1	21-May-2022 21:21
Cyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 21:21
Dibromochloromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 21:21
Dichlorodifluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 21:21
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 21:21
Isopropylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 21:21
m,p-Xylene	< 0.50		0.50	2.0	ug/L	1	21-May-2022 21:21
Methyl acetate	< 1.0		1.0	1.0	ug/L	1	21-May-2022 21:21
Methyl tert-butyl ether	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:21
Methylcyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 21:21

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-39 Duplicate
Collection Date: 14-May-2022 09:06

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-16
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
Methylene chloride	< 1.0		1.0	2.0	ug/L	1	21-May-2022 21:21
o-Xylene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 21:21
Styrene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 21:21
Tetrachloroethene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 21:21
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:21
trans-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:21
trans-1,3-Dichloropropene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:21
Trichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:21
Trichlorofluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 21:21
Vinyl chloride	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:21
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 21:21
Surr: 1,2-Dichloroethane-d4	*117*			*70-126*	*%REC*	*1*	*21-May-2022 21:21*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*21-May-2022 21:21*
Surr: Dibromofluoromethane	*106*			*77-123*	*%REC*	*1*	*21-May-2022 21:21*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*21-May-2022 21:21*
LOW-LEVEL SEMIVOLATILES BY 8270D	**Method:SW8270**				Prep:SW3510 / 18-May-2022		Analyst: EM
1,4-Dioxane	< 0.057		0.057	0.20	ug/L	1	20-May-2022 17:16
Naphthalene	< 0.020		0.020	0.10	ug/L	1	20-May-2022 17:16
Surr: 2-Fluorobiphenyl	*88.0*			*40-125*	*%REC*	*1*	*20-May-2022 17:16*
Surr: 4-Terphenyl-d14	*99.5*			*40-135*	*%REC*	*1*	*20-May-2022 17:16*
Surr: Nitrobenzene-d5	*80.4*			*41-120*	*%REC*	*1*	*20-May-2022 17:16*

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-11
Collection Date: 14-May-2022 09:27

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-17
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
Benzene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:44
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 21:44
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 21:44
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 21:44
Surr: 1,2-Dichloroethane-d4	*116*			*70-126*	*%REC*	*1*	*21-May-2022 21:44*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*21-May-2022 21:44*
Surr: Dibromofluoromethane	*107*			*77-123*	*%REC*	*1*	*21-May-2022 21:44*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*21-May-2022 21:44*

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-11 Duplicate
Collection Date: 14-May-2022 09:27

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-18
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
Benzene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:06
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 22:06
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:06
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 22:06
Surr: 1,2-Dichloroethane-d4	*109*			*70-126*	*%REC*	*1*	*21-May-2022 22:06*
Surr: 4-Bromofluorobenzene	*98.3*			*77-113*	*%REC*	*1*	*21-May-2022 22:06*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*21-May-2022 22:06*
Surr: Toluene-d8	*107*			*82-127*	*%REC*	*1*	*21-May-2022 22:06*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: SVE-30
Collection Date: 14-May-2022 09:43

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-19
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,1,1-Trichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:29
1,1,2,2-Tetrachloroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 22:29
1,1,2-Trichlor-1,2,2-trifluoroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 22:29
1,1,2-Trichloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 22:29
1,1-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:29
1,1-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:29
1,2,4-Trichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 22:29
1,2-Dibromo-3-chloropropane	< 1.0		1.0	1.0	ug/L	1	21-May-2022 22:29
1,2-Dibromoethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:29
1,2-Dichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 22:29
1,2-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:29
1,2-Dichloropropane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 22:29
1,3-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 22:29
1,4-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 22:29
2-Butanone	< 0.50		0.50	2.0	ug/L	1	21-May-2022 22:29
2-Hexanone	< 1.0		1.0	2.0	ug/L	1	21-May-2022 22:29
4-Methyl-2-pentanone	< 0.70		0.70	2.0	ug/L	1	21-May-2022 22:29
Acetone	< 2.0		2.0	2.0	ug/L	1	21-May-2022 22:29
Benzene	**6.5**		**0.20**	**1.0**	**ug/L**	1	21-May-2022 22:29
Bromodichloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:29
Bromoform	< 0.40		0.40	1.0	ug/L	1	21-May-2022 22:29
Bromomethane	< 0.40		0.40	1.0	ug/L	1	21-May-2022 22:29
Carbon disulfide	< 0.60		0.60	2.0	ug/L	1	21-May-2022 22:29
Carbon tetrachloride	< 0.50		0.50	1.0	ug/L	1	21-May-2022 22:29
Chlorobenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 22:29
Chloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 22:29
Chloroform	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:29
Chloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:29
cis-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:29
cis-1,3-Dichloropropene	< 0.10		0.10	1.0	ug/L	1	21-May-2022 22:29
Cyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 22:29
Dibromochloromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 22:29
Dichlorodifluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 22:29
Ethylbenzene	**5.2**		**0.30**	**1.0**	**ug/L**	1	21-May-2022 22:29
Isopropylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 22:29
m,p-Xylene	**8.3**		**0.50**	**2.0**	**ug/L**	1	21-May-2022 22:29
Methyl acetate	< 1.0		1.0	1.0	ug/L	1	21-May-2022 22:29
Methyl tert-butyl ether	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:29
Methylcyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 22:29

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: SVE-30
Collection Date: 14-May-2022 09:43

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-19
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: DLB
Methylene chloride	< 1.0		1.0	2.0	ug/L	1	21-May-2022 22:29
o-Xylene	**3.5**		**0.30**	**1.0**	**ug/L**	1	21-May-2022 22:29
Styrene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 22:29
Tetrachloroethene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 22:29
Toluene	**2.4**		**0.20**	**1.0**	**ug/L**	1	21-May-2022 22:29
trans-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:29
trans-1,3-Dichloropropene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:29
Trichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:29
Trichlorofluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 22:29
Vinyl chloride	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:29
Xylenes, Total	**12**		**0.30**	**1.0**	**ug/L**	1	21-May-2022 22:29
Surr: 1,2-Dichloroethane-d4	*115*			*70-126*	*%REC*	*1*	*21-May-2022 22:29*
Surr: 4-Bromofluorobenzene	*101*			*77-113*	*%REC*	*1*	*21-May-2022 22:29*
Surr: Dibromofluoromethane	*107*			*77-123*	*%REC*	*1*	*21-May-2022 22:29*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*21-May-2022 22:29*
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 18-May-2022		Analyst: EM
1,4-Dioxane	**2.5**		**0.057**	**0.20**	**ug/L**	1	20-May-2022 17:35
Naphthalene	**0.23**		**0.020**	**0.10**	**ug/L**	1	20-May-2022 17:35
Surr: 2-Fluorobiphenyl	*40.3*			*40-125*	*%REC*	*1*	*20-May-2022 17:35*
Surr: 4-Terphenyl-d14	*80.4*			*40-135*	*%REC*	*1*	*20-May-2022 17:35*
Surr: Nitrobenzene-d5	*66.9*			*41-120*	*%REC*	*1*	*20-May-2022 17:35*

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-10
Collection Date: 14-May-2022 10:42

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-20
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
Benzene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:51
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 22:51
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 22:51
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 22:51
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*1*	*21-May-2022 22:51*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*21-May-2022 22:51*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*21-May-2022 22:51*
Surr: Toluene-d8	*106*			*82-127*	*%REC*	*1*	*21-May-2022 22:51*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: SVE-28
Collection Date: 14-May-2022 13:20

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-21
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,1,1-Trichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:14
1,1,2,2-Tetrachloroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 23:14
1,1,2-Trichlor-1,2,2-trifluoroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 23:14
1,1,2-Trichloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:14
1,1-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:14
1,1-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:14
1,2,4-Trichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 23:14
1,2-Dibromo-3-chloropropane	< 1.0		1.0	1.0	ug/L	1	21-May-2022 23:14
1,2-Dibromoethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:14
1,2-Dichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 23:14
1,2-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:14
1,2-Dichloropropane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 23:14
1,3-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 23:14
1,4-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 23:14
2-Butanone	< 0.50		0.50	2.0	ug/L	1	21-May-2022 23:14
2-Hexanone	< 1.0		1.0	2.0	ug/L	1	21-May-2022 23:14
4-Methyl-2-pentanone	< 0.70		0.70	2.0	ug/L	1	21-May-2022 23:14
Acetone	< 2.0		2.0	2.0	ug/L	1	21-May-2022 23:14
Benzene	**2.7**		**0.20**	**1.0**	**ug/L**	1	21-May-2022 23:14
Bromodichloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:14
Bromoform	< 0.40		0.40	1.0	ug/L	1	21-May-2022 23:14
Bromomethane	< 0.40		0.40	1.0	ug/L	1	21-May-2022 23:14
Carbon disulfide	< 0.60		0.60	2.0	ug/L	1	21-May-2022 23:14
Carbon tetrachloride	< 0.50		0.50	1.0	ug/L	1	21-May-2022 23:14
Chlorobenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:14
Chloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:14
Chloroform	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:14
Chloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:14
cis-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:14
cis-1,3-Dichloropropene	< 0.10		0.10	1.0	ug/L	1	21-May-2022 23:14
Cyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:14
Dibromochloromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:14
Dichlorodifluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:14
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:14
Isopropylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:14
m,p-Xylene	< 0.50		0.50	2.0	ug/L	1	21-May-2022 23:14
Methyl acetate	< 1.0		1.0	1.0	ug/L	1	21-May-2022 23:14
Methyl tert-butyl ether	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:14
Methylcyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:14

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: SVE-28
Collection Date: 14-May-2022 13:20

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-21
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: DLB
Methylene chloride	< 1.0		1.0	2.0	ug/L	1	21-May-2022 23:14
o-Xylene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:14
Styrene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:14
Tetrachloroethene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:14
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:14
trans-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:14
trans-1,3-Dichloropropene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:14
Trichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:14
Trichlorofluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:14
Vinyl chloride	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:14
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:14
Surr: 1,2-Dichloroethane-d4	*118*			*70-126*	*%REC*	*1*	*21-May-2022 23:14*
Surr: 4-Bromofluorobenzene	*100.0*			*77-113*	*%REC*	*1*	*21-May-2022 23:14*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*21-May-2022 23:14*
Surr: Toluene-d8	*105*			*82-127*	*%REC*	*1*	*21-May-2022 23:14*
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 18-May-2022		Analyst: MBG
1,4-Dioxane	**0.27**		**0.057**	**0.20**	**ug/L**	1	31-May-2022 16:17
Naphthalene	**0.029**	J	**0.020**	**0.10**	**ug/L**	1	31-May-2022 16:17
Surr: 2-Fluorobiphenyl	*119*			*40-125*	*%REC*	*1*	*31-May-2022 16:17*
Surr: 4-Terphenyl-d14	*97.8*			*40-135*	*%REC*	*1*	*31-May-2022 16:17*
Surr: Nitrobenzene-d5	*105*			*41-120*	*%REC*	*1*	*31-May-2022 16:17*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: RW-1
Collection Date: 14-May-2022 13:54

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-22
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,1,1-Trichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:36
1,1,2,2-Tetrachloroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 23:36
1,1,2-Trichlor-1,2,2-trifluoroethane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 23:36
1,1,2-Trichloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:36
1,1-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:36
1,1-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:36
1,2,4-Trichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 23:36
1,2-Dibromo-3-chloropropane	< 1.0		1.0	1.0	ug/L	1	21-May-2022 23:36
1,2-Dibromoethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:36
1,2-Dichlorobenzene	< 0.50		0.50	1.0	ug/L	1	21-May-2022 23:36
1,2-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:36
1,2-Dichloropropane	< 0.50		0.50	1.0	ug/L	1	21-May-2022 23:36
1,3-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 23:36
1,4-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	21-May-2022 23:36
2-Butanone	< 0.50		0.50	2.0	ug/L	1	21-May-2022 23:36
2-Hexanone	< 1.0		1.0	2.0	ug/L	1	21-May-2022 23:36
4-Methyl-2-pentanone	< 0.70		0.70	2.0	ug/L	1	21-May-2022 23:36
Acetone	< 2.0		2.0	2.0	ug/L	1	21-May-2022 23:36
Benzene	**9.9**		**0.20**	**1.0**	**ug/L**	1	21-May-2022 23:36
Bromodichloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:36
Bromoform	< 0.40		0.40	1.0	ug/L	1	21-May-2022 23:36
Bromomethane	< 0.40		0.40	1.0	ug/L	1	21-May-2022 23:36
Carbon disulfide	< 0.60		0.60	2.0	ug/L	1	21-May-2022 23:36
Carbon tetrachloride	< 0.50		0.50	1.0	ug/L	1	21-May-2022 23:36
Chlorobenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:36
Chloroethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:36
Chloroform	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:36
Chloromethane	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:36
cis-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:36
cis-1,3-Dichloropropene	< 0.10		0.10	1.0	ug/L	1	21-May-2022 23:36
Cyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:36
Dibromochloromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:36
Dichlorodifluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:36
Ethylbenzene	**1.8**		**0.30**	**1.0**	**ug/L**	1	21-May-2022 23:36
Isopropylbenzene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:36
m,p-Xylene	< 0.50		0.50	2.0	ug/L	1	21-May-2022 23:36
Methyl acetate	< 1.0		1.0	1.0	ug/L	1	21-May-2022 23:36
Methyl tert-butyl ether	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:36
Methylcyclohexane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:36

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: RW-1
Collection Date: 14-May-2022 13:54

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-22
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: DLB
Methylene chloride	< 1.0		1.0	2.0	ug/L	1	21-May-2022 23:36
o-Xylene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:36
Styrene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:36
Tetrachloroethene	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:36
Toluene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:36
trans-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:36
trans-1,3-Dichloropropene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:36
Trichloroethene	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:36
Trichlorofluoromethane	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:36
Vinyl chloride	< 0.20		0.20	1.0	ug/L	1	21-May-2022 23:36
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	21-May-2022 23:36
Surr: 1,2-Dichloroethane-d4	*117*			*70-126*	*%REC*	*1*	*21-May-2022 23:36*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*21-May-2022 23:36*
Surr: Dibromofluoromethane	*110*			*77-123*	*%REC*	*1*	*21-May-2022 23:36*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*21-May-2022 23:36*
LOW-LEVEL SEMIVOLATILES BY 8270D		**Method:SW8270**			Prep:SW3510 / 18-May-2022		Analyst: MBG
1,4-Dioxane	**0.058**	J	**0.057**	**0.20**	**ug/L**	1	31-May-2022 16:38
Naphthalene	**0.44**		**0.020**	**0.10**	**ug/L**	1	31-May-2022 16:38
Surr: 2-Fluorobiphenyl	*86.2*			*40-125*	*%REC*	*1*	*31-May-2022 16:38*
Surr: 4-Terphenyl-d14	*103*			*40-135*	*%REC*	*1*	*31-May-2022 16:38*
Surr: Nitrobenzene-d5	*91.4*			*41-120*	*%REC*	*1*	*31-May-2022 16:38*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: Trip Blank 1
Collection Date: 11-May-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-23
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,1,1-Trichloroethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:02
1,1,2,2-Tetrachloroethane	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:02
1,1,2-Trichlor-1,2,2-trifluoroethane	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:02
1,1,2-Trichloroethane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:02
1,1-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:02
1,1-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:02
1,2,4-Trichlorobenzene	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:02
1,2-Dibromo-3-chloropropane	< 1.0		1.0	1.0	ug/L	1	20-May-2022 22:02
1,2-Dibromoethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:02
1,2-Dichlorobenzene	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:02
1,2-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:02
1,2-Dichloropropane	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:02
1,3-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	20-May-2022 22:02
1,4-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	20-May-2022 22:02
2-Butanone	< 0.50		0.50	2.0	ug/L	1	20-May-2022 22:02
2-Hexanone	< 1.0		1.0	2.0	ug/L	1	20-May-2022 22:02
4-Methyl-2-pentanone	< 0.70		0.70	2.0	ug/L	1	20-May-2022 22:02
Acetone	< 2.0		2.0	2.0	ug/L	1	20-May-2022 22:02
Benzene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:02
Bromodichloromethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:02
Bromoform	< 0.40		0.40	1.0	ug/L	1	20-May-2022 22:02
Bromomethane	< 0.40		0.40	1.0	ug/L	1	20-May-2022 22:02
Carbon disulfide	< 0.60		0.60	2.0	ug/L	1	20-May-2022 22:02
Carbon tetrachloride	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:02
Chlorobenzene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:02
Chloroethane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:02
Chloroform	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:02
Chloromethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:02
cis-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:02
cis-1,3-Dichloropropene	< 0.10		0.10	1.0	ug/L	1	20-May-2022 22:02
Cyclohexane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:02
Dibromochloromethane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:02
Dichlorodifluoromethane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:02
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:02
Isopropylbenzene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:02
m,p-Xylene	< 0.50		0.50	2.0	ug/L	1	20-May-2022 22:02
Methyl acetate	< 1.0		1.0	1.0	ug/L	1	20-May-2022 22:02
Methyl tert-butyl ether	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:02
Methylcyclohexane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:02

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: Trip Blank 1
Collection Date: 11-May-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-23
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
Methylene chloride	< 1.0		1.0	2.0	ug/L	1	20-May-2022 22:02
o-Xylene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:02
Styrene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:02
Tetrachloroethene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:02
Toluene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:02
trans-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:02
trans-1,3-Dichloropropene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:02
Trichloroethene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:02
Trichlorofluoromethane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:02
Vinyl chloride	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:02
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:02
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*20-May-2022 22:02*
Surr: 4-Bromofluorobenzene	*105*			*77-113*	*%REC*	*1*	*20-May-2022 22:02*
Surr: Dibromofluoromethane	*108*			*77-123*	*%REC*	*1*	*20-May-2022 22:02*
Surr: Toluene-d8	*98.1*			*82-127*	*%REC*	*1*	*20-May-2022 22:02*

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: Trip Blank 2
Collection Date: 12-May-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-24
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,1,1-Trichloroethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:23
1,1,2,2-Tetrachloroethane	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:23
1,1,2-Trichlor-1,2,2-trifluoroethane	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:23
1,1,2-Trichloroethane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:23
1,1-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:23
1,1-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:23
1,2,4-Trichlorobenzene	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:23
1,2-Dibromo-3-chloropropane	< 1.0		1.0	1.0	ug/L	1	20-May-2022 22:23
1,2-Dibromoethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:23
1,2-Dichlorobenzene	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:23
1,2-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:23
1,2-Dichloropropane	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:23
1,3-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	20-May-2022 22:23
1,4-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	20-May-2022 22:23
2-Butanone	< 0.50		0.50	2.0	ug/L	1	20-May-2022 22:23
2-Hexanone	< 1.0		1.0	2.0	ug/L	1	20-May-2022 22:23
4-Methyl-2-pentanone	< 0.70		0.70	2.0	ug/L	1	20-May-2022 22:23
Acetone	< 2.0		2.0	2.0	ug/L	1	20-May-2022 22:23
Benzene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:23
Bromodichloromethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:23
Bromoform	< 0.40		0.40	1.0	ug/L	1	20-May-2022 22:23
Bromomethane	< 0.40		0.40	1.0	ug/L	1	20-May-2022 22:23
Carbon disulfide	< 0.60		0.60	2.0	ug/L	1	20-May-2022 22:23
Carbon tetrachloride	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:23
Chlorobenzene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:23
Chloroethane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:23
Chloroform	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:23
Chloromethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:23
cis-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:23
cis-1,3-Dichloropropene	< 0.10		0.10	1.0	ug/L	1	20-May-2022 22:23
Cyclohexane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:23
Dibromochloromethane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:23
Dichlorodifluoromethane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:23
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:23
Isopropylbenzene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:23
m,p-Xylene	< 0.50		0.50	2.0	ug/L	1	20-May-2022 22:23
Methyl acetate	< 1.0		1.0	1.0	ug/L	1	20-May-2022 22:23
Methyl tert-butyl ether	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:23
Methylcyclohexane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:23

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: Trip Blank 2
Collection Date: 12-May-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-24
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
Methylene chloride	< 1.0		1.0	2.0	ug/L	1	20-May-2022 22:23
o-Xylene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:23
Styrene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:23
Tetrachloroethene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:23
Toluene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:23
trans-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:23
trans-1,3-Dichloropropene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:23
Trichloroethene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:23
Trichlorofluoromethane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:23
Vinyl chloride	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:23
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:23
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*20-May-2022 22:23*
Surr: 4-Bromofluorobenzene	*106*			*77-113*	*%REC*	*1*	*20-May-2022 22:23*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*20-May-2022 22:23*
Surr: Toluene-d8	*99.0*			*82-127*	*%REC*	*1*	*20-May-2022 22:23*

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: Trip Blank 3
Collection Date: 14-May-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-25
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
1,1,1-Trichloroethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:45
1,1,2,2-Tetrachloroethane	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:45
1,1,2-Trichlor-1,2,2-trifluoroethane	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:45
1,1,2-Trichloroethane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:45
1,1-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:45
1,1-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:45
1,2,4-Trichlorobenzene	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:45
1,2-Dibromo-3-chloropropane	< 1.0		1.0	1.0	ug/L	1	20-May-2022 22:45
1,2-Dibromoethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:45
1,2-Dichlorobenzene	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:45
1,2-Dichloroethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:45
1,2-Dichloropropane	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:45
1,3-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	20-May-2022 22:45
1,4-Dichlorobenzene	< 0.40		0.40	1.0	ug/L	1	20-May-2022 22:45
2-Butanone	< 0.50		0.50	2.0	ug/L	1	20-May-2022 22:45
2-Hexanone	< 1.0		1.0	2.0	ug/L	1	20-May-2022 22:45
4-Methyl-2-pentanone	< 0.70		0.70	2.0	ug/L	1	20-May-2022 22:45
Acetone	< 2.0		2.0	2.0	ug/L	1	20-May-2022 22:45
Benzene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:45
Bromodichloromethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:45
Bromoform	< 0.40		0.40	1.0	ug/L	1	20-May-2022 22:45
Bromomethane	< 0.40		0.40	1.0	ug/L	1	20-May-2022 22:45
Carbon disulfide	< 0.60		0.60	2.0	ug/L	1	20-May-2022 22:45
Carbon tetrachloride	< 0.50		0.50	1.0	ug/L	1	20-May-2022 22:45
Chlorobenzene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:45
Chloroethane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:45
Chloroform	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:45
Chloromethane	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:45
cis-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:45
cis-1,3-Dichloropropene	< 0.10		0.10	1.0	ug/L	1	20-May-2022 22:45
Cyclohexane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:45
Dibromochloromethane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:45
Dichlorodifluoromethane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:45
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:45
Isopropylbenzene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:45
m,p-Xylene	< 0.50		0.50	2.0	ug/L	1	20-May-2022 22:45
Methyl acetate	< 1.0		1.0	1.0	ug/L	1	20-May-2022 22:45
Methyl tert-butyl ether	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:45
Methylcyclohexane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:45

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

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: Trip Blank 3
Collection Date: 14-May-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22050761
Lab ID:HS22050761-25
Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DLB
Methylene chloride	< 1.0		1.0	2.0	ug/L	1	20-May-2022 22:45
o-Xylene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:45
Styrene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:45
Tetrachloroethene	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:45
Toluene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:45
trans-1,2-Dichloroethene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:45
trans-1,3-Dichloropropene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:45
Trichloroethene	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:45
Trichlorofluoromethane	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:45
Vinyl chloride	< 0.20		0.20	1.0	ug/L	1	20-May-2022 22:45
Xylenes, Total	< 0.30		0.30	1.0	ug/L	1	20-May-2022 22:45
Surr: 1,2-Dichloroethane-d4	*108*			*70-126*	*%REC*	*1*	*20-May-2022 22:45*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*20-May-2022 22:45*
Surr: Dibromofluoromethane	*106*			*77-123*	*%REC*	*1*	*20-May-2022 22:45*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*20-May-2022 22:45*

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

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ALS Houston, US

Date: 01-Jun-22

Weight / Prep Log

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

Batch ID: 178967 **Start Date:** 18 May 2022 12:00 **End Date:** 18 May 2022 17:00
Method: SV AQ SEP FUN EXTRACT-LOWLEV - 3510C **Prep Code:** 3510_B_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22050761-09		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22050761-10		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22050761-11		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22050761-12		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22050761-13		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22050761-14		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22050761-15		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22050761-16		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22050761-19		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22050761-21		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS22050761-22		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 178967 (0)	**Test Name :** LOW-LEVEL SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS22050761-09	MW-22	12 May 2022 13:42		18 May 2022 12:00	20 May 2022 14:24	1
HS22050761-10	MW-26	12 May 2022 14:34		18 May 2022 12:00	31 May 2022 19:23	1
HS22050761-11	MW-20	12 May 2022 15:42		18 May 2022 12:00	20 May 2022 15:40	1
HS22050761-12	MW-42	13 May 2022 09:29		18 May 2022 12:00	20 May 2022 15:59	1
HS22050761-13	MW-40	13 May 2022 10:06		18 May 2022 12:00	20 May 2022 16:18	1
HS22050761-14	MW-41	13 May 2022 10:43		18 May 2022 12:00	20 May 2022 16:38	1
HS22050761-15	MW-39	14 May 2022 09:06		18 May 2022 12:00	20 May 2022 16:57	1
HS22050761-16	MW-39 Duplicate	14 May 2022 09:06		18 May 2022 12:00	20 May 2022 17:16	1
HS22050761-19	SVE-30	14 May 2022 09:43		18 May 2022 12:00	20 May 2022 17:35	1
HS22050761-21	SVE-28	14 May 2022 13:20		18 May 2022 12:00	31 May 2022 16:17	1
HS22050761-22	RW-1	14 May 2022 13:54		18 May 2022 12:00	31 May 2022 16:38	1
Batch ID: R409102 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22050761-23	Trip Blank 1	11 May 2022 00:00			20 May 2022 22:02	1
HS22050761-24	Trip Blank 2	12 May 2022 00:00			20 May 2022 22:23	1
HS22050761-25	Trip Blank 3	14 May 2022 00:00			20 May 2022 22:45	1
Batch ID: R409131 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22050761-01	MW-34	11 May 2022 12:07			21 May 2022 10:34	1
HS22050761-02	MW-34 Duplicate	11 May 2022 12:07			21 May 2022 10:55	1
HS22050761-03	MW-29	11 May 2022 13:30			21 May 2022 11:17	1
Batch ID: R409132 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22050761-04	MW-27	11 May 2022 14:00			21 May 2022 07:29	1
HS22050761-06	MW-21 Duplicate	12 May 2022 09:13			21 May 2022 08:15	1

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R409144 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22050761-08	MW-17 Duplicate	12 May 2022 09:42			21 May 2022 18:44	1
HS22050761-09	MW-22	12 May 2022 13:42			21 May 2022 17:36	1
HS22050761-10	MW-26	12 May 2022 14:34			21 May 2022 19:06	1
HS22050761-11	MW-20	12 May 2022 15:42			21 May 2022 19:29	1
HS22050761-12	MW-42	13 May 2022 09:29			21 May 2022 19:51	1
HS22050761-13	MW-40	13 May 2022 10:06			21 May 2022 20:14	1
HS22050761-14	MW-41	13 May 2022 10:43			21 May 2022 20:36	1
HS22050761-15	MW-39	14 May 2022 09:06			21 May 2022 20:59	1
HS22050761-16	MW-39 Duplicate	14 May 2022 09:06			21 May 2022 21:21	1
HS22050761-17	MW-11	14 May 2022 09:27			21 May 2022 21:44	1
HS22050761-18	MW-11 Duplicate	14 May 2022 09:27			21 May 2022 22:06	1
HS22050761-19	SVE-30	14 May 2022 09:43			21 May 2022 22:29	1
HS22050761-20	MW-10	14 May 2022 10:42			21 May 2022 22:51	1
HS22050761-21	SVE-28	14 May 2022 13:20			21 May 2022 23:14	1
HS22050761-22	RW-1	14 May 2022 13:54			21 May 2022 23:36	1
Batch ID: R409160 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22050761-05	MW-21	12 May 2022 09:13			23 May 2022 18:35	1
HS22050761-07	MW-17	12 May 2022 09:42			23 May 2022 18:58	5

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: 178967 (0) **Instrument: SV-7** **Method: LOW-LEVEL SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-178967** Units: **ug/L** Analysis Date: **23-May-2022 11:16**
Client ID: Run ID: **SV-7_409169** SeqNo: **6659540** PrepDate: **18-May-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dioxane	< 0.057	0.20								
Naphthalene	< 0.020	0.10								
Surr: 2-Fluorobiphenyl	*3.942*	*0.20*	*5*	*0*	*78.8*	*40 - 125*				
Surr: 4-Terphenyl-d14	*5.175*	*0.20*	*5*	*0*	*104*	*40 - 135*				
Surr: Nitrobenzene-d5	*4.149*	*0.20*	*5*	*0*	*83.0*	*41 - 120*				

LCS Sample ID: **LCS-178967** Units: **ug/L** Analysis Date: **23-May-2022 11:37**
Client ID: Run ID: **SV-7_409169** SeqNo: **6659541** PrepDate: **18-May-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dioxane	2.535	0.20	5	0	50.7	30 - 140				
Naphthalene	4.285	0.10	5	0	85.7	45 - 120				
Surr: 2-Fluorobiphenyl	*4.008*	*0.20*	*5*	*0*	*80.2*	*40 - 125*				
Surr: 4-Terphenyl-d14	*4.192*	*0.20*	*5*	*0*	*83.8*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.052*	*0.20*	*5*	*0*	*61.0*	*41 - 120*				

LCSD Sample ID: **LCSD-178967** Units: **ug/L** Analysis Date: **21-May-2022 12:08**
Client ID: Run ID: **SV-7_409166** SeqNo: **6668599** PrepDate: **18-May-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dioxane	5.128	0.20	5	0	103	30 - 140	2.535	67.7	20	R
Naphthalene	5.933	0.10	5	0	119	45 - 120	4.285	32.3	20	R
Surr: 2-Fluorobiphenyl	*5.826*	*0.20*	*5*	*0*	*117*	*40 - 125*	*4.008*	*37*	*20*	R
Surr: 4-Terphenyl-d14	*6.02*	*0.20*	*5*	*0*	*120*	*40 - 135*	*4.192*	*35.8*	*20*	R
Surr: Nitrobenzene-d5	*5.45*	*0.20*	*5*	*0*	*109*	*41 - 120*	*3.052*	*56.4*	*20*	R

The following samples were analyzed in this batch:

HS22050761-09	HS22050761-10	HS22050761-11	HS22050761-12
HS22050761-13	HS22050761-14	HS22050761-15	HS22050761-16
HS22050761-19	HS22050761-21	HS22050761-22	

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409102 (0) **Instrument: VOA10** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220520** Units: **ug/L** Analysis Date: **20-May-2022 20:36**
Client ID: Run ID: **VOA10_409102** SeqNo: **6658084** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,1,1-Trichloroethane	< 0.20	1.0							
1,1,2,2-Tetrachloroethane	< 0.50	1.0							
1,1,2-Trichlor-1,2,2-trifluoroethane	< 0.50	1.0							
1,1,2-Trichloroethane	< 0.30	1.0							
1,1-Dichloroethane	< 0.20	1.0							
1,1-Dichloroethene	< 0.20	1.0							
1,2,4-Trichlorobenzene	< 0.50	1.0							
1,2-Dibromo-3-chloropropane	< 1.0	1.0							
1,2-Dibromoethane	< 0.20	1.0							
1,2-Dichlorobenzene	< 0.50	1.0							
1,2-Dichloroethane	< 0.20	1.0							
1,2-Dichloropropane	< 0.50	1.0							
1,3-Dichlorobenzene	< 0.40	1.0							
1,4-Dichlorobenzene	< 0.40	1.0							
2-Butanone	< 0.50	2.0							
2-Hexanone	< 1.0	2.0							
4-Methyl-2-pentanone	< 0.70	2.0							
Acetone	< 2.0	2.0							
Benzene	< 0.20	1.0							
Bromodichloromethane	< 0.20	1.0							
Bromoform	< 0.40	1.0							
Bromomethane	< 0.40	1.0							
Carbon disulfide	< 0.60	2.0							
Carbon tetrachloride	< 0.50	1.0							
Chlorobenzene	< 0.30	1.0							
Chloroethane	< 0.30	1.0							
Chloroform	< 0.20	1.0							
Chloromethane	< 0.20	1.0							
cis-1,2-Dichloroethene	< 0.20	1.0							
cis-1,3-Dichloropropene	< 0.10	1.0							
Cyclohexane	< 0.30	1.0							
Dibromochloromethane	< 0.30	1.0							
Dichlorodifluoromethane	< 0.30	1.0							
Ethylbenzene	< 0.30	1.0							

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409102 (0) **Instrument: VOA10** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220520** Units: **ug/L** Analysis Date: **20-May-2022 20:36**
Client ID: Run ID: **VOA10_409102** SeqNo: **6658084** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Isopropylbenzene	< 0.30	1.0								
m,p-Xylene	< 0.50	2.0								
Methyl acetate	< 1.0	1.0								
Methyl tert-butyl ether	< 0.20	1.0								
Methylcyclohexane	< 0.30	1.0								
Methylene chloride	< 1.0	2.0								
o-Xylene	< 0.30	1.0								
Styrene	< 0.30	1.0								
Tetrachloroethene	< 0.30	1.0								
Toluene	< 0.20	1.0								
trans-1,2-Dichloroethene	< 0.20	1.0								
trans-1,3-Dichloropropene	< 0.20	1.0								
Trichloroethene	< 0.20	1.0								
Trichlorofluoromethane	< 0.30	1.0								
Vinyl chloride	< 0.20	1.0								
Xylenes, Total	< 0.30	1.0								
Surr: 1,2-Dichloroethane-d4	*50.85*	*1.0*	*50*	*0*	*102*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*53.11*	*1.0*	*50*	*0*	*106*	*77 - 113*				
Surr: Dibromofluoromethane	*53.1*	*1.0*	*50*	*0*	*106*	*73 - 126*				
Surr: Toluene-d8	*49.43*	*1.0*	*50*	*0*	*98.9*	*81 - 120*				

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409102 (0) **Instrument: VOA10** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCS Sample ID: **VLCSW-220520** Units: **ug/L** Analysis Date: **20-May-2022 19:53**
Client ID: Run ID: **VOA10_409102** SeqNo: **6658083** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.53	1.0	20	0	108	70 - 130				
1,1,2,2-Tetrachloroethane	21.08	1.0	20	0	105	70 - 120				
1,1,2-Trichlor-1,2,2-trifluoroethane	23.25	1.0	20	0	116	70 - 130				
1,1,2-Trichloroethane	21.79	1.0	20	0	109	77 - 113				
1,1-Dichloroethane	21.97	1.0	20	0	110	71 - 122				
1,1-Dichloroethene	21.84	1.0	20	0	109	70 - 130				
1,2,4-Trichlorobenzene	22.37	1.0	20	0	112	77 - 126				
1,2-Dibromo-3-chloropropane	21.47	1.0	20	0	107	70 - 130				
1,2-Dibromoethane	21.35	1.0	20	0	107	76 - 123				
1,2-Dichlorobenzene	23.11	1.0	20	0	116	77 - 113				S
1,2-Dichloroethane	22.12	1.0	20	0	111	70 - 124				
1,2-Dichloropropane	20.89	1.0	20	0	104	72 - 119				
1,3-Dichlorobenzene	23.1	1.0	20	0	115	78 - 118				
1,4-Dichlorobenzene	22.88	1.0	20	0	114	79 - 113				S
2-Butanone	40.56	2.0	40	0	101	70 - 130				
2-Hexanone	43.08	2.0	40	0	108	70 - 130				
4-Methyl-2-pentanone	40.63	2.0	40	0	102	70 - 130				
Acetone	40.84	2.0	40	0	102	70 - 130				
Benzene	20.81	1.0	20	0	104	74 - 120				
Bromodichloromethane	21.98	1.0	20	0	110	74 - 122				
Bromoform	20.33	1.0	20	0	102	73 - 128				
Bromomethane	23.23	1.0	20	0	116	70 - 130				
Carbon disulfide	46.8	2.0	40	0	117	70 - 130				
Carbon tetrachloride	22	1.0	20	0	110	71 - 125				
Chlorobenzene	22.13	1.0	20	0	111	76 - 113				
Chloroethane	21.89	1.0	20	0	109	70 - 130				
Chloroform	22.85	1.0	20	0	114	71 - 121				
Chloromethane	22.49	1.0	20	0	112	70 - 129				
cis-1,2-Dichloroethene	22.74	1.0	20	0	114	75 - 122				
cis-1,3-Dichloropropene	20.45	1.0	20	0	102	73 - 127				
Cyclohexane	23.19	1.0	20	0	116	70 - 130				
Dibromochloromethane	21.62	1.0	20	0	108	77 - 122				
Dichlorodifluoromethane	23.81	1.0	20	0	119	70 - 130				
Ethylbenzene	20.94	1.0	20	0	105	77 - 117				

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409102 (0) **Instrument: VOA10** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCS Sample ID: **VLCSW-220520** Units: **ug/L** Analysis Date: **20-May-2022 19:53**
Client ID: Run ID: **VOA10_409102** SeqNo: **6658083** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Isopropylbenzene	21.23	1.0	20	0	106	73 - 127				
m,p-Xylene	42.07	2.0	40	0	105	77 - 122				
Methyl acetate	19.84	1.0	20	0	99.2	76 - 122				
Methyl tert-butyl ether	21.87	1.0	20	0	109	70 - 130				
Methylcyclohexane	20.1	1.0	20	0	100	61 - 157				
Methylene chloride	22.92	2.0	20	0	115	70 - 127				
o-Xylene	20.69	1.0	20	0	103	75 - 119				
Styrene	22.54	1.0	20	0	113	72 - 126				
Tetrachloroethene	22.28	1.0	20	0	111	76 - 119				
Toluene	20.58	1.0	20	0	103	77 - 118				
trans-1,2-Dichloroethene	22.66	1.0	20	0	113	72 - 127				
trans-1,3-Dichloropropene	22.11	1.0	20	0	111	77 - 119				
Trichloroethene	21.29	1.0	20	0	106	77 - 121				
Trichlorofluoromethane	22.34	1.0	20	0	112	70 - 130				
Vinyl chloride	22.48	1.0	20	0	112	70 - 130				
Xylenes, Total	62.76	1.0	60	0	105	75 - 122				
Surr: 1,2-Dichloroethane-d4	*52.66*	*1.0*	*50*	*0*	*105*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.72*	*1.0*	*50*	*0*	*99.4*	*77 - 113*				
Surr: Dibromofluoromethane	*51.29*	*1.0*	*50*	*0*	*103*	*73 - 126*				
Surr: Toluene-d8	*50.48*	*1.0*	*50*	*0*	*101*	*81 - 120*				

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409102 (0) **Instrument: VOA10** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22050645-19MS** Units: **ug/L** Analysis Date: **21-May-2022 00:11**
Client ID: Run ID: **VOA10_409102** SeqNo: **6658093** PrepDate: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	185.9	10	200	0	92.9	70 - 130				
1,1,2,2-Tetrachloroethane	168	10	200	0	84.0	70 - 123				
1,1,2-Trichlor-1,2,2-trifluoroethane	213.1	10	200	0	107	70 - 130				
1,1,2-Trichloroethane	171.4	10	200	0	85.7	70 - 117				
1,1-Dichloroethane	184.3	10	200	0	92.1	70 - 127				
1,1-Dichloroethene	191.6	10	200	0	95.8	70 - 130				
1,2,4-Trichlorobenzene	173.7	10	200	0	86.9	70 - 125				
1,2-Dibromo-3-chloropropane	157.8	10	200	0	78.9	70 - 130				
1,2-Dibromoethane	170.3	10	200	0	85.2	70 - 124				
1,2-Dichlorobenzene	175	10	200	0	87.5	70 - 115				
1,2-Dichloroethane	211.2	10	200	0	106	70 - 127				
1,2-Dichloropropane	170.5	10	200	0	85.3	70 - 122				
1,3-Dichlorobenzene	178.9	10	200	0	89.4	70 - 119				
1,4-Dichlorobenzene	177	10	200	0	88.5	70 - 114				
2-Butanone	343.1	20	400	0	85.8	70 - 130				
2-Hexanone	328	20	400	0	82.0	70 - 130				
4-Methyl-2-pentanone	308.3	20	400	0	77.1	70 - 130				
Acetone	364.3	20	400	18.33	86.5	70 - 130				
Benzene	595.4	10	200	430.7	82.4	70 - 127				
Bromodichloromethane	181.8	10	200	0	90.9	70 - 124				
Bromoform	157.5	10	200	0	78.8	70 - 129				
Bromomethane	206.7	10	200	0	103	70 - 130				
Carbon disulfide	402.2	20	400	0	101	70 - 130				
Carbon tetrachloride	188.4	10	200	0	94.2	70 - 130				
Chlorobenzene	181.4	10	200	0	90.7	70 - 114				
Chloroethane	207.5	10	200	0	104	70 - 130				
Chloroform	185.4	10	200	0	92.7	70 - 125				
Chloromethane	218.7	10	200	0	109	70 - 130				
cis-1,2-Dichloroethene	189.8	10	200	0	94.9	70 - 128				
cis-1,3-Dichloropropene	167.5	10	200	0	83.7	70 - 125				
Cyclohexane	205.4	10	200	0	103	70 - 130				
Dibromochloromethane	170.9	10	200	0	85.5	70 - 124				
Dichlorodifluoromethane	232.7	10	200	0	116	70 - 130				
Ethylbenzene	183	10	200	14.88	84.1	70 - 124				

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409102 (0) **Instrument: VOA10** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22050645-19MS** Units: **ug/L** Analysis Date: **21-May-2022 00:11**
Client ID: Run ID: **VOA10_409102** SeqNo: **6658093** PrepDate: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Isopropylbenzene	172.8	10	200	1.637	85.6	70 - 130				
m,p-Xylene	354.5	20	400	4.087	87.6	70 - 130				
Methyl acetate	173.1	10	200	0	86.6	76 - 122				
Methyl tert-butyl ether	283.6	10	200	102.6	90.5	70 - 130				
Methylcyclohexane	156.8	10	200	0	78.4	61 - 158				
Methylene chloride	181.1	20	200	0	90.5	70 - 128				
o-Xylene	168	10	200	4.028	82.0	70 - 124				
Styrene	179	10	200	0	89.5	70 - 130				
Tetrachloroethene	176	10	200	0	88.0	70 - 130				
Toluene	173.5	10	200	3.125	85.2	70 - 123				
trans-1,2-Dichloroethene	189.4	10	200	0	94.7	70 - 130				
trans-1,3-Dichloropropene	171.3	10	200	0	85.7	70 - 121				
Trichloroethene	182.3	10	200	0	91.1	70 - 129				
Trichlorofluoromethane	217.6	10	200	0	109	70 - 130				
Vinyl chloride	219.4	10	200	0	110	70 - 130				
Xylenes, Total	522.5	10	600	4.028	86.4	70 - 130				
Surr: 1,2-Dichloroethane-d4	*516.9*	*10*	*500*	*0*	*103*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*488.4*	*10*	*500*	*0*	*97.7*	*77 - 113*				
Surr: Dibromofluoromethane	*506.1*	*10*	*500*	*0*	*101*	*77 - 123*				
Surr: Toluene-d8	*504.1*	*10*	*500*	*0*	*101*	*82 - 127*				

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409102 (0) **Instrument: VOA10** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS22050645-19MSD** Units: **ug/L** Analysis Date: **21-May-2022 00:32**
Client ID: Run ID: **VOA10_409102** SeqNo: **6658094** PrepDate: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,1,1-Trichloroethane	194.2	10	200	0	97.1	70 - 130	185.9	4.37	20	
1,1,2,2-Tetrachloroethane	182.9	10	200	0	91.5	70 - 123	168	8.5	20	
1,1,2-Trichlor-1,2,2-trifluoroethane	220.2	10	200	0	110	70 - 130	213.1	3.29	20	
1,1,2-Trichloroethane	182.6	10	200	0	91.3	70 - 117	171.4	6.3	20	
1,1-Dichloroethane	198.6	10	200	0	99.3	70 - 127	184.3	7.48	20	
1,1-Dichloroethene	198	10	200	0	99.0	70 - 130	191.6	3.28	20	
1,2,4-Trichlorobenzene	184	10	200	0	92.0	70 - 125	173.7	5.73	20	
1,2-Dibromo-3-chloropropane	183.6	10	200	0	91.8	70 - 130	157.8	15.1	20	
1,2-Dibromoethane	180.9	10	200	0	90.5	70 - 124	170.3	6.04	20	
1,2-Dichlorobenzene	196.7	10	200	0	98.4	70 - 115	175	11.7	20	
1,2-Dichloroethane	221.7	10	200	0	111	70 - 127	211.2	4.86	20	
1,2-Dichloropropane	182	10	200	0	91.0	70 - 122	170.5	6.53	20	
1,3-Dichlorobenzene	191.9	10	200	0	96.0	70 - 119	178.9	7.03	20	
1,4-Dichlorobenzene	194.3	10	200	0	97.2	70 - 114	177	9.36	20	
2-Butanone	362.9	20	400	0	90.7	70 - 130	343.1	5.62	20	
2-Hexanone	350.4	20	400	0	87.6	70 - 130	328	6.59	20	
4-Methyl-2-pentanone	334.8	20	400	0	83.7	70 - 130	308.3	8.24	20	
Acetone	373.2	20	400	18.33	88.7	70 - 130	364.3	2.43	20	
Benzene	585.6	10	200	430.7	77.5	70 - 127	595.4	1.66	20	
Bromodichloromethane	193	10	200	0	96.5	70 - 124	181.8	6	20	
Bromoform	167.1	10	200	0	83.5	70 - 129	157.5	5.88	20	
Bromomethane	208.5	10	200	0	104	70 - 130	206.7	0.825	20	
Carbon disulfide	422.2	20	400	0	106	70 - 130	402.2	4.85	20	
Carbon tetrachloride	198.9	10	200	0	99.5	70 - 130	188.4	5.43	20	
Chlorobenzene	197.4	10	200	0	98.7	70 - 114	181.4	8.41	20	
Chloroethane	215	10	200	0	107	70 - 130	207.5	3.54	20	
Chloroform	199.3	10	200	0	99.7	70 - 125	185.4	7.22	20	
Chloromethane	222.4	10	200	0	111	70 - 130	218.7	1.68	20	
cis-1,2-Dichloroethene	201.8	10	200	0	101	70 - 128	189.8	6.14	20	
cis-1,3-Dichloropropene	177.1	10	200	0	88.6	70 - 125	167.5	5.59	20	
Cyclohexane	211.6	10	200	0	106	70 - 130	205.4	3.01	20	
Dibromochloromethane	186.3	10	200	0	93.1	70 - 124	170.9	8.61	20	
Dichlorodifluoromethane	236.8	10	200	0	118	70 - 130	232.7	1.77	20	
Ethylbenzene	197.7	10	200	14.88	91.4	70 - 124	183	7.73	20	

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Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409102 (0) **Instrument: VOA10** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS22050645-19MSD** Units: **ug/L** Analysis Date: **21-May-2022 00:32**
Client ID: Run ID: **VOA10_409102** SeqNo: **6658094** PrepDate: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Isopropylbenzene	189.6	10	200	1.637	94.0	70 - 130	172.8	9.26	20	
m,p-Xylene	388.6	20	400	4.087	96.1	70 - 130	354.5	9.19	20	
Methyl acetate	177	10	200	0	88.5	76 - 122	173.1	2.19	20	
Methyl tert-butyl ether	289.9	10	200	102.6	93.7	70 - 130	283.6	2.19	20	
Methylcyclohexane	167.4	10	200	0	83.7	61 - 158	156.8	6.5	20	
Methylene chloride	183.2	20	200	0	91.6	70 - 128	181.1	1.18	20	
o-Xylene	179.9	10	200	4.028	87.9	70 - 124	168	6.81	20	
Styrene	201.4	10	200	0	101	70 - 130	179	11.8	20	
Tetrachloroethene	194	10	200	0	97.0	70 - 130	176	9.72	20	
Toluene	185.6	10	200	3.125	91.2	70 - 123	173.5	6.7	20	
trans-1,2-Dichloroethene	198.7	10	200	0	99.4	70 - 130	189.4	4.8	20	
trans-1,3-Dichloropropene	182.8	10	200	0	91.4	70 - 121	171.3	6.48	20	
Trichloroethene	191.8	10	200	0	95.9	70 - 129	182.3	5.09	20	
Trichlorofluoromethane	215.3	10	200	0	108	70 - 130	217.6	1.09	20	
Vinyl chloride	162.6	10	200	0	81.3	70 - 130	219.4	29.8	20	R
Xylenes, Total	568.5	10	600	4.028	94.1	70 - 130	522.5	8.43	20	
Surr: 1,2-Dichloroethane-d4	*510.6*	*10*	*500*	*0*	*102*	*70 - 126*	*516.9*	*1.22*	*20*	
Surr: 4-Bromofluorobenzene	*502.3*	*10*	*500*	*0*	*100*	*77 - 113*	*488.4*	*2.8*	*20*	
Surr: Dibromofluoromethane	*502.9*	*10*	*500*	*0*	*101*	*77 - 123*	*506.1*	*0.639*	*20*	
Surr: Toluene-d8	*502.2*	*10*	*500*	*0*	*100*	*82 - 127*	*504.1*	*0.381*	*20*	

The following samples were analyzed in this batch: HS22050761-23 HS22050761-24 HS22050761-25

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409131 (0) **Instrument: VOA10** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220503** Units: **ug/L** Analysis Date: **21-May-2022 03:24**
Client ID: Run ID: **VOA10_409131** SeqNo: **6658594** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	< 0.20	1.0								
Ethylbenzene	< 0.30	1.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	1.0								
Surr: 1,2-Dichloroethane-d4	*53.72*	*1.0*	*50*	*0*	*107*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*52.59*	*1.0*	*50*	*0*	*105*	*77 - 113*				
Surr: Dibromofluoromethane	*54.23*	*1.0*	*50*	*0*	*108*	*73 - 126*				
Surr: Toluene-d8	*48.58*	*1.0*	*50*	*0*	*97.2*	*81 - 120*				

LCS Sample ID: **VLCSW-220503** Units: **ug/L** Analysis Date: **21-May-2022 02:41**
Client ID: Run ID: **VOA10_409131** SeqNo: **6658593** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	16.55	1.0	20	0	82.7	74 - 120				
Ethylbenzene	15.57	1.0	20	0	77.8	77 - 117				
Toluene	15.81	1.0	20	0	79.0	77 - 118				
Xylenes, Total	49.04	1.0	60	0	81.7	75 - 122				
Surr: 1,2-Dichloroethane-d4	*53.04*	*1.0*	*50*	*0*	*106*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*50.19*	*1.0*	*50*	*0*	*100*	*77 - 113*				
Surr: Dibromofluoromethane	*50.94*	*1.0*	*50*	*0*	*102*	*73 - 126*				
Surr: Toluene-d8	*49.59*	*1.0*	*50*	*0*	*99.2*	*81 - 120*				

MS Sample ID: **HS22050523-02MS** Units: **ug/L** Analysis Date: **21-May-2022 13:24**
Client ID: Run ID: **VOA10_409131** SeqNo: **6658614** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	15.43	1.0	20	0	77.2	70 - 127				
Ethylbenzene	12.84	1.0	20	0	64.2	70 - 124				S
Toluene	13.82	1.0	20	0	69.1	70 - 123				S
Xylenes, Total	39.38	1.0	60	0	65.6	70 - 130				S
Surr: 1,2-Dichloroethane-d4	*53.49*	*1.0*	*50*	*0*	*107*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*52.36*	*1.0*	*50*	*0*	*105*	*77 - 113*				
Surr: Dibromofluoromethane	*52.05*	*1.0*	*50*	*0*	*104*	*77 - 123*				
Surr: Toluene-d8	*50.66*	*1.0*	*50*	*0*	*101*	*82 - 127*				

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409131 (0) **Instrument: VOA10** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS22050523-02MSD** Units: **ug/L** Analysis Date: **21-May-2022 13:45**
Client ID: Run ID: **VOA10_409131** SeqNo: **6659543** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	16.32	1.0	20	0	81.6	70 - 127	15.43	5.59	20	
Ethylbenzene	13.84	1.0	20	0	69.2	70 - 124	12.84	7.47	20	S
Toluene	14.96	1.0	20	0	74.8	70 - 123	13.82	7.91	20	
Xylenes, Total	43.66	1.0	60	0	72.8	70 - 130	39.38	10.3	20	
Surr: 1,2-Dichloroethane-d4	*54.13*	*1.0*	*50*	*0*	*108*	*70 - 126*	*53.49*	*1.18*	*20*	
Surr: 4-Bromofluorobenzene	*50.07*	*1.0*	*50*	*0*	*100*	*77 - 113*	*52.36*	*4.46*	*20*	
Surr: Dibromofluoromethane	*52.7*	*1.0*	*50*	*0*	*105*	*77 - 123*	*52.05*	*1.25*	*20*	
Surr: Toluene-d8	*50.51*	*1.0*	*50*	*0*	*101*	*82 - 127*	*50.66*	*0.305*	*20*	

The following samples were analyzed in this batch: HS22050761-01 HS22050761-02 HS22050761-03

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409132 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220520** Units: **ug/L** Analysis Date: **21-May-2022 00:22**
Client ID: Run ID: **VOA11_409132** SeqNo: **6658618** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	< 0.20	1.0								
Ethylbenzene	< 0.30	1.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	1.0								
Surr: 1,2-Dichloroethane-d4	*50.57*	*1.0*	*50*	*0*	*101*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*53.13*	*1.0*	*50*	*0*	*106*	*77 - 113*				
Surr: Dibromofluoromethane	*48.98*	*1.0*	*50*	*0*	*98.0*	*73 - 126*				
Surr: Toluene-d8	*52.55*	*1.0*	*50*	*0*	*105*	*81 - 120*				

LCS Sample ID: **VLCSW-220520** Units: **ug/L** Analysis Date: **20-May-2022 23:37**
Client ID: Run ID: **VOA11_409132** SeqNo: **6658617** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	17.77	1.0	20	0	88.9	74 - 120				
Ethylbenzene	16.21	1.0	20	0	81.1	77 - 117				
Toluene	18.03	1.0	20	0	90.1	77 - 118				
Xylenes, Total	50.99	1.0	60	0	85.0	75 - 122				
Surr: 1,2-Dichloroethane-d4	*49.86*	*1.0*	*50*	*0*	*99.7*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*54.06*	*1.0*	*50*	*0*	*108*	*77 - 113*				
Surr: Dibromofluoromethane	*50.22*	*1.0*	*50*	*0*	*100*	*73 - 126*				
Surr: Toluene-d8	*51.56*	*1.0*	*50*	*0*	*103*	*81 - 120*				

MS Sample ID: **HS22050517-04MS** Units: **ug/L** Analysis Date: **21-May-2022 01:07**
Client ID: Run ID: **VOA11_409132** SeqNo: **6658620** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.94	1.0	20	1.503	92.2	70 - 127				
Ethylbenzene	18.09	1.0	20	0	90.4	70 - 124				
Toluene	19.74	1.0	20	0	98.7	70 - 123				
Xylenes, Total	57.21	1.0	60	0	95.3	70 - 130				
Surr: 1,2-Dichloroethane-d4	*50.29*	*1.0*	*50*	*0*	*101*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*53.81*	*1.0*	*50*	*0*	*108*	*77 - 113*				
Surr: Dibromofluoromethane	*49.37*	*1.0*	*50*	*0*	*98.7*	*77 - 123*				
Surr: Toluene-d8	*52.49*	*1.0*	*50*	*0*	*105*	*82 - 127*				

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Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409132 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS22050517-04MSD** Units: **ug/L** Analysis Date: **21-May-2022 01:29**
Client ID: Run ID: **VOA11_409132** SeqNo: **6658621** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Benzene	19.16	1.0	20	1.503	88.3	70 - 127	19.94	4	20	
Ethylbenzene	16.99	1.0	20	0	85.0	70 - 124	18.09	6.22	20	
Toluene	18.45	1.0	20	0	92.2	70 - 123	19.74	6.77	20	
Xylenes, Total	52.94	1.0	60	0	88.2	70 - 130	57.21	7.75	20	
Surr: 1,2-Dichloroethane-d4	*51.66*	*1.0*	*50*	*0*	*103*	*70 - 126*	*50.29*	*2.69*	*20*	
Surr: 4-Bromofluorobenzene	*54*	*1.0*	*50*	*0*	*108*	*77 - 113*	*53.81*	*0.363*	*20*	
Surr: Dibromofluoromethane	*50.22*	*1.0*	*50*	*0*	*100*	*77 - 123*	*49.37*	*1.7*	*20*	
Surr: Toluene-d8	*51.25*	*1.0*	*50*	*0*	*103*	*82 - 127*	*52.49*	*2.38*	*20*	

The following samples were analyzed in this batch: HS22050761-04 HS22050761-06

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409144 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220521** Units: **ug/L** Analysis Date: **21-May-2022 17:14**
Client ID: Run ID: **VOA11_409144** SeqNo: **6665506** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	< 0.20	1.0								
1,1,2,2-Tetrachloroethane	< 0.50	1.0								
1,1,2-Trichlor-1,2,2-trifluoroethane	< 0.50	1.0								
1,1,2-Trichloroethane	< 0.30	1.0								
1,1-Dichloroethane	< 0.20	1.0								
1,1-Dichloroethene	< 0.20	1.0								
1,2,4-Trichlorobenzene	< 0.50	1.0								
1,2-Dibromo-3-chloropropane	< 1.0	1.0								
1,2-Dibromoethane	< 0.20	1.0								
1,2-Dichlorobenzene	< 0.50	1.0								
1,2-Dichloroethane	< 0.20	1.0								
1,2-Dichloropropane	< 0.50	1.0								
1,3-Dichlorobenzene	< 0.40	1.0								
1,4-Dichlorobenzene	< 0.40	1.0								
2-Butanone	< 0.50	2.0								
2-Hexanone	< 1.0	2.0								
4-Methyl-2-pentanone	< 0.70	2.0								
Acetone	< 2.0	2.0								
Benzene	< 0.20	1.0								
Bromodichloromethane	< 0.20	1.0								
Bromoform	< 0.40	1.0								
Bromomethane	< 0.40	1.0								
Carbon disulfide	< 0.60	2.0								
Carbon tetrachloride	< 0.50	1.0								
Chlorobenzene	< 0.30	1.0								
Chloroethane	< 0.30	1.0								
Chloroform	< 0.20	1.0								
Chloromethane	< 0.20	1.0								
cis-1,2-Dichloroethene	< 0.20	1.0								
cis-1,3-Dichloropropene	< 0.10	1.0								
Cyclohexane	< 0.30	1.0								
Dibromochloromethane	< 0.30	1.0								
Dichlorodifluoromethane	< 0.30	1.0								
Ethylbenzene	< 0.30	1.0								

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QC BATCH REPORT

Batch ID: R409144 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220521** Units: **ug/L** Analysis Date: **21-May-2022 17:14**
Client ID: Run ID: **VOA11_409144** SeqNo: **6665506** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Isopropylbenzene	< 0.30	1.0							
m,p-Xylene	< 0.50	2.0							
Methyl acetate	< 1.0	1.0							
Methyl tert-butyl ether	< 0.20	1.0							
Methylcyclohexane	< 0.30	1.0							
Methylene chloride	< 1.0	2.0							
o-Xylene	< 0.30	1.0							
Styrene	< 0.30	1.0							
Tetrachloroethene	< 0.30	1.0							
Toluene	< 0.20	1.0							
trans-1,2-Dichloroethene	< 0.20	1.0							
trans-1,3-Dichloropropene	< 0.20	1.0							
Trichloroethene	< 0.20	1.0							
Trichlorofluoromethane	< 0.30	1.0							
Vinyl chloride	< 0.20	1.0							
Xylenes, Total	< 0.30	1.0							
Surr: 1,2-Dichloroethane-d4	*58.11*	*1.0*	*50*	*0*	*116*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*49.75*	*1.0*	*50*	*0*	*99.5*	*77 - 113*			
Surr: Dibromofluoromethane	*52.04*	*1.0*	*50*	*0*	*104*	*73 - 126*			
Surr: Toluene-d8	*52.56*	*1.0*	*50*	*0*	*105*	*81 - 120*			

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409144 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCS Sample ID: **VLCSW-220521** Units: **ug/L** Analysis Date: **21-May-2022 16:29**
Client ID: Run ID: **VOA11_409144** SeqNo: **6665505** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.01	1.0	20	0	105	70 - 130				
1,1,2,2-Tetrachloroethane	21.79	1.0	20	0	109	70 - 120				
1,1,2-Trichlor-1,2,2-trifluoroethane	22.76	1.0	20	0	114	70 - 130				
1,1,2-Trichloroethane	20.47	1.0	20	0	102	77 - 113				
1,1-Dichloroethane	23.65	1.0	20	0	118	71 - 122				
1,1-Dichloroethene	28.32	1.0	20	0	142	70 - 130				S
1,2,4-Trichlorobenzene	19.86	1.0	20	0	99.3	77 - 126				
1,2-Dibromo-3-chloropropane	17.77	1.0	20	0	88.9	70 - 130				
1,2-Dibromoethane	19.35	1.0	20	0	96.8	76 - 123				
1,2-Dichlorobenzene	20.47	1.0	20	0	102	77 - 113				
1,2-Dichloroethane	20.67	1.0	20	0	103	70 - 124				
1,2-Dichloropropane	20.75	1.0	20	0	104	72 - 119				
1,3-Dichlorobenzene	20.87	1.0	20	0	104	78 - 118				
1,4-Dichlorobenzene	20.32	1.0	20	0	102	79 - 113				
2-Butanone	42.31	2.0	40	0	106	70 - 130				
2-Hexanone	39.44	2.0	40	0	98.6	70 - 130				
4-Methyl-2-pentanone	39.99	2.0	40	0	100.0	70 - 130				
Acetone	47.77	2.0	40	0	119	70 - 130				
Benzene	21.48	1.0	20	0	107	74 - 120				
Bromodichloromethane	19.58	1.0	20	0	97.9	74 - 122				
Bromoform	16.48	1.0	20	0	82.4	73 - 128				
Bromomethane	21.78	1.0	20	0	109	70 - 130				
Carbon disulfide	47.13	2.0	40	0	118	70 - 130				
Carbon tetrachloride	19.99	1.0	20	0	100.0	71 - 125				
Chlorobenzene	18.17	1.0	20	0	90.9	76 - 113				
Chloroethane	20.6	1.0	20	0	103	70 - 130				
Chloroform	22	1.0	20	0	110	71 - 121				
Chloromethane	20.48	1.0	20	0	102	70 - 129				
cis-1,2-Dichloroethene	23.2	1.0	20	0	116	75 - 122				
cis-1,3-Dichloropropene	19.5	1.0	20	0	97.5	73 - 127				
Cyclohexane	22.16	1.0	20	0	111	70 - 130				
Dibromochloromethane	17.91	1.0	20	0	89.6	77 - 122				
Dichlorodifluoromethane	17.61	1.0	20	0	88.1	70 - 130				
Ethylbenzene	18.98	1.0	20	0	94.9	77 - 117				

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409144 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCS Sample ID: **VLCSW-220521** Units: **ug/L** Analysis Date: **21-May-2022 16:29**
Client ID: Run ID: **VOA11_409144** SeqNo: **6665505** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Isopropylbenzene	19.18	1.0	20	0	95.9	73 - 127				
m,p-Xylene	39.3	2.0	40	0	98.2	77 - 122				
Methyl acetate	21.87	1.0	20	0	109	76 - 122				
Methyl tert-butyl ether	23.12	1.0	20	0	116	70 - 130				
Methylcyclohexane	18.97	1.0	20	0	94.9	61 - 157				
Methylene chloride	24.98	2.0	20	0	125	70 - 127				
o-Xylene	20.37	1.0	20	0	102	75 - 119				
Styrene	19.45	1.0	20	0	97.3	72 - 126				
Tetrachloroethene	20.02	1.0	20	0	100	76 - 119				
Toluene	20.42	1.0	20	0	102	77 - 118				
trans-1,2-Dichloroethene	22.48	1.0	20	0	112	72 - 127				
trans-1,3-Dichloropropene	18.74	1.0	20	0	93.7	77 - 119				
Trichloroethene	19.63	1.0	20	0	98.2	77 - 121				
Trichlorofluoromethane	28.86	1.0	20	0	144	70 - 130				S
Vinyl chloride	20.09	1.0	20	0	100	70 - 130				
Xylenes, Total	59.67	1.0	60	0	99.4	75 - 122				
Surr: 1,2-Dichloroethane-d4	*57.58*	*1.0*	*50*	*0*	*115*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*53.18*	*1.0*	*50*	*0*	*106*	*77 - 113*				
Surr: Dibromofluoromethane	*53.73*	*1.0*	*50*	*0*	*107*	*73 - 126*				
Surr: Toluene-d8	*50.79*	*1.0*	*50*	*0*	*102*	*81 - 120*				

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409144 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MS Sample ID: **HS22050761-09MS** Units: **ug/L** Analysis Date: **21-May-2022 17:59**
Client ID: **MW-22** Run ID: **VOA11_409144** SeqNo: **6665508** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.99	1.0	20	0	110	70 - 130				
1,1,2,2-Tetrachloroethane	20.79	1.0	20	0	104	70 - 123				
1,1,2-Trichlor-1,2,2-trifluoroethane	53.61	1.0	20	0	268	70 - 130				S
1,1,2-Trichloroethane	19.98	1.0	20	0	99.9	70 - 117				
1,1-Dichloroethane	25.09	1.0	20	0	125	70 - 127				
1,1-Dichloroethene	71.76	1.0	20	0	359	70 - 130				S
1,2,4-Trichlorobenzene	19.38	1.0	20	0	96.9	70 - 125				
1,2-Dibromo-3-chloropropane	16.22	1.0	20	0	81.1	70 - 130				
1,2-Dibromoethane	18.9	1.0	20	0	94.5	70 - 124				
1,2-Dichlorobenzene	19.91	1.0	20	0	99.5	70 - 115				
1,2-Dichloroethane	21.5	1.0	20	0	107	70 - 127				
1,2-Dichloropropane	21.11	1.0	20	0	106	70 - 122				
1,3-Dichlorobenzene	20.79	1.0	20	0	104	70 - 119				
1,4-Dichlorobenzene	19.79	1.0	20	0	99.0	70 - 114				
2-Butanone	43.1	2.0	40	0	108	70 - 130				
2-Hexanone	38.33	2.0	40	0	95.8	70 - 130				
4-Methyl-2-pentanone	40.14	2.0	40	0	100	70 - 130				
Acetone	108.2	2.0	40	0	270	70 - 130				S
Benzene	21.79	1.0	20	0	109	70 - 127				
Bromodichloromethane	19.85	1.0	20	0	99.3	70 - 124				
Bromoform	15.29	1.0	20	0	76.4	70 - 129				
Bromomethane	26.3	1.0	20	0	132	70 - 130				S
Carbon disulfide	116.9	2.0	40	0	292	70 - 130				S
Carbon tetrachloride	20.65	1.0	20	0	103	70 - 130				
Chlorobenzene	18.37	1.0	20	0	91.8	70 - 114				
Chloroethane	32.27	1.0	20	0	161	70 - 130				S
Chloroform	22.61	1.0	20	0	113	70 - 125				
Chloromethane	21.69	1.0	20	0	108	70 - 130				
cis-1,2-Dichloroethene	23.82	1.0	20	0	119	70 - 128				
cis-1,3-Dichloropropene	20.19	1.0	20	0	101	70 - 125				
Cyclohexane	25.43	1.0	20	0	127	70 - 130				
Dibromochloromethane	17.12	1.0	20	0	85.6	70 - 124				
Dichlorodifluoromethane	18.59	1.0	20	0	93.0	70 - 130				
Ethylbenzene	18.47	1.0	20	0	92.3	70 - 124				

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QC BATCH REPORT

Batch ID: R409144 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MS Sample ID: **HS22050761-09MS** Units: **ug/L** Analysis Date: **21-May-2022 17:59**
Client ID: **MW-22** Run ID: **VOA11_409144** SeqNo: **6665508** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Isopropylbenzene	20.07	1.0	20	0	100	70 - 130			
m,p-Xylene	39.76	2.0	40	0	99.4	70 - 130			
Methyl acetate	50.32	1.0	20	0	252	76 - 122			S
Methyl tert-butyl ether	22.49	1.0	20	0	112	70 - 130			
Methylcyclohexane	17.37	1.0	20	0	86.9	61 - 158			
Methylene chloride	54.23	2.0	20	0	271	70 - 128			S
o-Xylene	20.76	1.0	20	0	104	70 - 124			
Styrene	19.5	1.0	20	0	97.5	70 - 130			
Tetrachloroethene	21.04	1.0	20	0	105	70 - 130			
Toluene	21.19	1.0	20	0	106	70 - 123			
trans-1,2-Dichloroethene	23.6	1.0	20	0	118	70 - 130			
trans-1,3-Dichloropropene	18.79	1.0	20	0	93.9	70 - 121			
Trichloroethene	19.83	1.0	20	0	99.2	70 - 129			
Trichlorofluoromethane	30.7	1.0	20	0	153	70 - 130			S
Vinyl chloride	22.42	1.0	20	0	112	70 - 130			
Xylenes, Total	60.52	1.0	60	0	101	70 - 130			
Surr: 1,2-Dichloroethane-d4	*58.01*	*1.0*	*50*	*0*	*116*	*70 - 126*			
Surr: 4-Bromofluorobenzene	*53.43*	*1.0*	*50*	*0*	*107*	*77 - 113*			
Surr: Dibromofluoromethane	*54.02*	*1.0*	*50*	*0*	*108*	*77 - 123*			
Surr: Toluene-d8	*51.35*	*1.0*	*50*	*0*	*103*	*82 - 127*			

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409144 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MSD Sample ID: **HS22050761-09MSD** Units: **ug/L** Analysis Date: **21-May-2022 18:21**
Client ID: **MW-22** Run ID: **VOA11_409144** SeqNo: **6665509** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.76	1.0	20	0	109	70 - 130	21.99	1.02	20	
1,1,2,2-Tetrachloroethane	23.52	1.0	20	0	118	70 - 123	20.79	12.3	20	
1,1,2-Trichlor-1,2,2-trifluoroethane	23.22	1.0	20	0	116	70 - 130	53.61	79.1	20	R
1,1,2-Trichloroethane	22.17	1.0	20	0	111	70 - 117	19.98	10.4	20	
1,1-Dichloroethane	24.74	1.0	20	0	124	70 - 127	25.09	1.4	20	
1,1-Dichloroethene	29.18	1.0	20	0	146	70 - 130	71.76	84.4	20	SR
1,2,4-Trichlorobenzene	21.89	1.0	20	0	109	70 - 125	19.38	12.2	20	
1,2-Dibromo-3-chloropropane	19.77	1.0	20	0	98.9	70 - 130	16.22	19.7	20	
1,2-Dibromoethane	21.04	1.0	20	0	105	70 - 124	18.9	10.7	20	
1,2-Dichlorobenzene	21.46	1.0	20	0	107	70 - 115	19.91	7.5	20	
1,2-Dichloroethane	22.3	1.0	20	0	112	70 - 127	21.5	3.67	20	
1,2-Dichloropropane	20.63	1.0	20	0	103	70 - 122	21.11	2.31	20	
1,3-Dichlorobenzene	22.44	1.0	20	0	112	70 - 119	20.79	7.63	20	
1,4-Dichlorobenzene	21.78	1.0	20	0	109	70 - 114	19.79	9.58	20	
2-Butanone	43.91	2.0	40	0	110	70 - 130	43.1	1.87	20	
2-Hexanone	43.32	2.0	40	0	108	70 - 130	38.33	12.2	20	
4-Methyl-2-pentanone	42.05	2.0	40	0	105	70 - 130	40.14	4.65	20	
Acetone	44.72	2.0	40	0	112	70 - 130	108.2	83	20	R
Benzene	22.14	1.0	20	0	111	70 - 127	21.79	1.6	20	
Bromodichloromethane	20.36	1.0	20	0	102	70 - 124	19.85	2.56	20	
Bromoform	22.29	1.0	20	0	111	70 - 129	15.29	37.3	20	R
Bromomethane	28.16	1.0	20	0	141	70 - 130	26.3	6.82	20	S
Carbon disulfide	49.88	2.0	40	0	125	70 - 130	116.9	80.3	20	R
Carbon tetrachloride	21.38	1.0	20	0	107	70 - 130	20.65	3.46	20	
Chlorobenzene	19.74	1.0	20	0	98.7	70 - 114	18.37	7.18	20	
Chloroethane	29.96	1.0	20	0	150	70 - 130	32.27	7.43	20	S
Chloroform	22.61	1.0	20	0	113	70 - 125	22.61	0.00611	20	
Chloromethane	20.91	1.0	20	0	105	70 - 130	21.69	3.68	20	
cis-1,2-Dichloroethene	23.61	1.0	20	0	118	70 - 128	23.82	0.886	20	
cis-1,3-Dichloropropene	20.5	1.0	20	0	102	70 - 125	20.19	1.53	20	
Cyclohexane	23.82	1.0	20	0	119	70 - 130	25.43	6.57	20	
Dibromochloromethane	17.98	1.0	20	0	89.9	70 - 124	17.12	4.93	20	
Dichlorodifluoromethane	18.03	1.0	20	0	90.2	70 - 130	18.59	3.05	20	
Ethylbenzene	20.11	1.0	20	0	101	70 - 124	18.47	8.51	20	

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409144 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MSD Sample ID: **HS22050761-09MSD** Units: **ug/L** Analysis Date: **21-May-2022 18:21**
Client ID: **MW-22** Run ID: **VOA11_409144** SeqNo: **6665509** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Isopropylbenzene	25.73	1.0	20	0	129	70 - 130	20.07	24.7	20	R
m,p-Xylene	43.13	2.0	40	0	108	70 - 130	39.76	8.13	20	
Methyl acetate	22.46	1.0	20	0	112	76 - 122	50.32	76.6	20	R
Methyl tert-butyl ether	22.79	1.0	20	0	114	70 - 130	22.49	1.35	20	
Methylcyclohexane	19.14	1.0	20	0	95.7	61 - 158	17.37	9.68	20	
Methylene chloride	24.46	2.0	20	0	122	70 - 128	54.23	75.7	20	R
o-Xylene	31.84	1.0	20	0	159	70 - 124	20.76	42.1	20	SR
Styrene	28.64	1.0	20	0	143	70 - 130	19.5	37.9	20	SR
Tetrachloroethene	22.13	1.0	20	0	111	70 - 130	21.04	5.05	20	
Toluene	22.51	1.0	20	0	113	70 - 123	21.19	6.02	20	
trans-1,2-Dichloroethene	23.15	1.0	20	0	116	70 - 130	23.6	1.95	20	
trans-1,3-Dichloropropene	18.74	1.0	20	0	93.7	70 - 121	18.79	0.238	20	
Trichloroethene	20.22	1.0	20	0	101	70 - 129	19.83	1.92	20	
Trichlorofluoromethane	28.01	1.0	20	0	140	70 - 130	30.7	9.15	20	S
Vinyl chloride	21.78	1.0	20	0	109	70 - 130	22.42	2.9	20	
Xylenes, Total	74.97	1.0	60	0	125	70 - 130	60.52	21.3	20	R
Surr: 1,2-Dichloroethane-d4	*57.44*	*1.0*	*50*	*0*	*115*	*70 - 126*	*58.01*	*0.987*	*20*	
Surr: 4-Bromofluorobenzene	*52.91*	*1.0*	*50*	*0*	*106*	*77 - 113*	*53.43*	*0.961*	*20*	
Surr: Dibromofluoromethane	*53.98*	*1.0*	*50*	*0*	*108*	*77 - 123*	*54.02*	*0.0802*	*20*	
Surr: Toluene-d8	*53.48*	*1.0*	*50*	*0*	*107*	*82 - 127*	*51.35*	*4.06*	*20*	

The following samples were analyzed in this batch:

HS22050761-08	HS22050761-09	HS22050761-10	HS22050761-11
HS22050761-12	HS22050761-13	HS22050761-14	HS22050761-15
HS22050761-16	HS22050761-17	HS22050761-18	HS22050761-19
HS22050761-20	HS22050761-21	HS22050761-22	

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409160 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-220523** Units: **ug/L** Analysis Date: **23-May-2022 14:37**
Client ID: Run ID: **VOA11_409160** SeqNo: **6659250** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	< 0.20	1.0								
Ethylbenzene	< 0.30	1.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	1.0								
Surr: 1,2-Dichloroethane-d4	*55.71*	*1.0*	*50*	*0*	*111*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.5*	*1.0*	*50*	*0*	*99.0*	*77 - 113*				
Surr: Dibromofluoromethane	*51.76*	*1.0*	*50*	*0*	*104*	*73 - 126*				
Surr: Toluene-d8	*52.91*	*1.0*	*50*	*0*	*106*	*81 - 120*				

LCS Sample ID: **VLCSW-220523** Units: **ug/L** Analysis Date: **23-May-2022 15:58**
Client ID: Run ID: **VOA11_409160** SeqNo: **6659252** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.78	1.0	20	0	93.9	74 - 120				
Ethylbenzene	15.93	1.0	20	0	79.7	77 - 117				
Toluene	18.44	1.0	20	0	92.2	77 - 118				
Xylenes, Total	53.21	1.0	60	0	88.7	75 - 122				
Surr: 1,2-Dichloroethane-d4	*56.57*	*1.0*	*50*	*0*	*113*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*51.21*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*53.68*	*1.0*	*50*	*0*	*107*	*73 - 126*				
Surr: Toluene-d8	*51.19*	*1.0*	*50*	*0*	*102*	*81 - 120*				

MS Sample ID: **HS22050517-03MS** Units: **ug/L** Analysis Date: **23-May-2022 16:20**
Client ID: Run ID: **VOA11_409160** SeqNo: **6659895** PrepDate: DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1004	50	1000	0	100	70 - 127				
Ethylbenzene	810.4	50	1000	0	81.0	70 - 124				
Toluene	941.3	50	1000	0	94.1	70 - 123				
Xylenes, Total	2644	50	3000	0	88.1	70 - 130				
Surr: 1,2-Dichloroethane-d4	*2914*	*50*	*2500*	*0*	*117*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*2571*	*50*	*2500*	*0*	*103*	*77 - 113*				
Surr: Dibromofluoromethane	*2737*	*50*	*2500*	*0*	*109*	*77 - 123*				
Surr: Toluene-d8	*2529*	*50*	*2500*	*0*	*101*	*82 - 127*				

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22050761

QC BATCH REPORT

Batch ID: R409160 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS22050517-03MSD** Units: **ug/L** Analysis Date: **23-May-2022 16:43**
Client ID: Run ID: **VOA11_409160** SeqNo: **6659896** PrepDate: DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1047	50	1000	0	105	70 - 127	1004	4.15	20	
Ethylbenzene	930.9	50	1000	0	93.1	70 - 124	810.4	13.8	20	
Toluene	2021	50	1000	0	202	70 - 123	941.3	72.9	20	SR
Xylenes, Total	2940	50	3000	0	98.0	70 - 130	2644	10.6	20	
Surr: 1,2-Dichloroethane-d4	*2659*	*50*	*2500*	*0*	*106*	*70 - 126*	*2914*	*9.15*	*20*	
Surr: 4-Bromofluorobenzene	*2692*	*50*	*2500*	*0*	*108*	*77 - 113*	*2571*	*4.62*	*20*	
Surr: Dibromofluoromethane	*2659*	*50*	*2500*	*0*	*106*	*77 - 123*	*2737*	*2.89*	*20*	
Surr: Toluene-d8	*5460*	*50*	*2500*	*0*	*218*	*82 - 127*	*2529*	*73.4*	*20*	SR

The following samples were analyzed in this batch: HS22050761-05 HS22050761-07

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ALS Houston, US Date: 01-Jun-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: **HS22050761**

QUALIFIERS, ACRONYMS, UNITS

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

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

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Received by OCD: 4/3/2023 5:38:51 AM

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-34	30-Jun-2022
Illinois	2000322022-9	09-May-2023
Kansas	E-10352 2021-2022	31-Jul-2022
Louisiana	03087, 2021-2022	30-Jun-2022
Maryland	343, 2021-2022	30-Jun-2022
North Carolina	624-2022	31-Dec-2022
Oklahoma	2021-080	31-Aug-2022
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932021-12	30-Jul-2022

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ALS Houston, US Date: 01-Jun-22

Sample Receipt Checklist

Work Order ID: HS22050761 **Date/Time Received:** 17-May-2022 09:20

Client Name: WSP Marietta GA **Received by:** Pablo Marinez

Completed By:	/S/ Pablo Marinez	17-May-2022 16:11	**Reviewed by:**	/S/ Dane J. Wacasey	18-May-2022 07:59
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **WATER** Carrier name: **FedEx Priority Overnight**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	3 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:270052/53/54
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	0.3°C/0.8°C, 0.5°C/1.0°C, 0.6°C/1.1°C UC/C	IR 31
Cooler(s)/Kit(s):	47998, 47300, 48811	
Date/Time sample(s) sent to storage:	5/17/22 15:10	

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

Login Notes: MW-22 Duplicate - Sample not received - not collected per client
MW-26 - listed on CoC 2x, rec'd. 1 set of bottles
SVE- 30 - Rec'd 2 Amber bottles, 8270 not selected. logged for 8270
3 x trip blanks rec'd not on COC. logged for anlaysis

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

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Chain of Custody Form

Page 1 of 3

COC ID: 270052

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Energy Transfer Roswell GW	A	8260_LL_W (8260 BTEX) [3xVOAHCl]
Work Order		Project Number		B	8260_LL_W (8260 VOC TCL 4.3) [3xVOAHCl]
Company Name	WSP USA	Bill To Company	WSP USA	C	8270_LOW_W (8270 (LL) 1,4-dioxane) [2x1L Am Neat]
Send Report To	Sofie Weber-Snapp	Invoice Attn	Sofie Weber-Snapp	D	
Address	1880 W Oak Pkwy Building 100 Suite 106	Address	1880 W Oak Pkwy Building 100 Suite 106	E	
				F	
City/State/Zip	Marietta, 30062	City/State/Zip	Marietta GA 30062	G	
Phone	(770) 973-2100	Phone	(770) 973-2100	H	
Fax		Fax		I	
e-Mail Address	sofie.weber.snapp@wsp.com	e-Mail Address	sofie.weber.snapp@wsp.com	J	

HS22050761
WSP USA
Energy Transfer Roswell GW

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	Trip Blank			Water	1,8	2											
2	MW-34	05/11/2022	12:07			3	X										
3	MW-34 Duplicate	05/11/2022	12:07			3	X										
4	MW-29	05/11/2022	13:30			3	X										
5	MW-27	05/11/2022	14:00			3	X										
6	MW-21	05/12/2022	09:13			3	X										
7	MW-21 Duplicate	05/12/2022	09:13			3	X										
8	MW-17	05/12/2022	09:42			3	X										
9	MW-17 Duplicate	05/12/2022	09:42			3	X										
10																	

Sampler(s) Please Print & Sign: Clayton M. Burrell

Shipment Method: FEDEX

Required Turnaround Time: (Check Box) [X] 8 [ ] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hou

Results Due Date:

Relinquished by:	Date: 05/16/22	Time: 0800	Received by:	Notes: WSP ET Roswell NM	
Relinquished by:	Date: 5/17/22	Time: 0920	Received by (Laboratory):	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	4799B	0.3C
				4730W	0.5C
				4EE11	0.6C

QC Package: (Check One Box Below)
[X] Level II Std QC
[ ] Level III Std QC/Raw Date
[ ] Level IV SW846/CLP
[ ] Other
[ ] TRRP Checklist
[ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

CR3 CF+0.5

Note:
1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

Chain of Custody Form

COC ID: 270053

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Energy Transfer Roswell GW	A	8260_LL_W (8260 BTEX) [3xVOAHCl]
Work Order		Project Number		B	8260_LL_W (8260 VOC TCL 4.3) [3xVOAHCl]
Company Name	WSP USA	Bill To Company	WSP USA	C	8270_LOW_W (8270 (LL) 1,4-dioxane) [2x1L Am Neat]
Send Report To	Sofie Weber-Snapp	Invoice Attn	Sofie Weber-Snapp	D	
Address	1880 W Oak Pkwy Building 100 Suite 106	Address	1880 W Oak Pkwy Building 100 Suite 106	E	
				F	
City/State/Zip	Marietta, 30062	City/State/Zip	Marietta GA 30062	G	
Phone	(770) 973-2100	Phone	(770) 973-2100	H	
Fax		Fax		I	
e-Mail Address	sofie.weber.snapp@wsp.com	e-Mail Address	sofie.weber.snapp@wsp.com	J	

HS22050761
WSP USA
Energy Transfer Roswell GW

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	Trip Blank			Water	1,8	2											
2	MW-22	05/12/22	13:42	↓	1,8	3/2		X	X								
3	~~MW-22 Duplicate~~ djw ALS for WSP 5/18/22	05/12/22	13:42		1,8	3/2		X	X								
4	MW-26	05/12/22	14:34		1,8	3/2		X	X								
5	~~MW-26~~ djw ALS for WSP 5/18/22	05/12/22	14:34		1,8	3/2		X	X								
6	MW-20 ~~MW-21~~ djw ALS for WSP 5/18/22	05/12/22	15:42		1,8	3/2		X	X								
7	~~MW-21~~ MW-42	05/13/22	09:29		1,8	3/2		X	X								
8	MW-40	05/13/22	10:06		1,8	3/2		X	X								
9	MW-41	05/13/22	10:43		1,8	3/2		X	X								
10				✓													

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
Clayton M Barnhill	FEDEX	☒ 8 ☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour	

Relinquished by:	Date:	Time:	Received by:	Notes: WSP ET Roswell NM
	05/16/22	0800		
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID / Cooler Temp.
	5/17/22	930		
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

QC Package: (Check One Box Below)
☒ Level II Std QC
☐ Level III Std QC/Raw Date
☐ Level IV SW846/CLP
☐ Other
☐ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
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Chain of Custody Form

Page 3 of 3

COC ID: 270054

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Energy Transfer Roswell GW	A	8260_LL_W (8260 BTEX) [3xVOAHCl]
Work Order		Project Number		B	8260_LL_W (8260 VOC TCL 4.3) [3xVOAHCl]
Company Name	WSP USA	Bill To Company	WSP USA	C	8270_LOW_W (8270 (LL) 1,4-dioxane) [2x1L Am Neat]
Send Report To	Sofie Weber-Snapp	Invoice Attn	Sofie Weber-Snapp	D	
Address	1880 W Oak Pkwy Building 100 Suite 106	Address	1880 W Oak Pkwy Building 100 Suite 106	E	
				F	
City/State/Zip	Marietta, 30062	City/State/Zip	Marietta GA 30062	G	
Phone	(770) 973-2100	Phone	(770) 973-2100	H	
Fax		Fax		I	
e-Mail Address	sofie.weber.snapp@wsp.com	e-Mail Address	sofie.weber.snapp@wsp.com	J	

HS22050761
WSP USA
Energy Transfer Roswell GW

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	Trip Blank			Water	1,8	2											
2	MW-39	~~05/14/22~~ 05/15/22	0906		1/8	3/2		X	X								
3	MW-39 Duplicate	05/14/22	0906		1/8	3/2		X	X								
4	MW-11	05/14/22	0927		1.8	3	X										
5	MW-11 Duplicate	05/14/22	0927		1.8	3	X										
6	SVE-30	05/14/22	0943		1.8	3		X									
7	MW-40	05/14/22	10:42		1.8	3	X										
8	SVE-28	05/14/22	13:20		1/8	3/2		X	X								
9	RW-1	05/14/22	13:54		1/8	3/2		X	X								
10																	

Sampler(s) Please Print & Sign: Clayton M Baughn

Shipment Method: FEDEX

Required Turnaround Time: (Check Box) [X] 8 [ ] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hou

Results Due Date:

Relinquished by:	Date: 05/16/22	Time:	Received by:	
Relinquished by:	Date: 5/17/22	Time: 9:20	Received by (Laboratory):	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Notes: WSP ET Roswell NM

Cooler ID	Cooler Temp.
47446	0.7c
47300	0.5c
46911	0.6c

QC Package: (Check One Box Below)
[X] Level II Std QC
[ ] Level III Std QC/Raw Date
[ ] Level IV SW846/CLP
[ ] Other
[ ] TRRP Checklist
[ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

LR51 LR705

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10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887 47498

CUSTODY SEAL
Date: 05/16/22 Time: 0800
Name: Clayton Garcia II
Company: Cimarex Environmental
Seal Broken By:
Date: 5/17/22

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887 47498

CUSTODY SEAL
Date: 05/16/22 Time: 0800
Name: Clayton Garcia II
Company: Cimarex Environmental
Seal Broken By:
Date: 5/17/22

TRK# 0221 5300 5230 6950
RETURNS MON–SAT
PRIORITY OVERNIGHT
47498
77099
G REASON(S):
Retention Ser

FedEx
TRK# 0221 5300 5230 6950
TUE – 17 MAY
PRIORITY OVE
XA SGRA

FedEx
TRK# 0221 5300 5230 6949
TUE – 17 MAY 10:30A
PRIORITY OVERNIGHT
TX–US XA SGRA
47300
77099 IAH
TX–US
#237218 05/16 577J5/1BD8/FE4A
RT 917

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887 47300

CUSTODY SEAL
Date: 05/16/22 Time: 0800
Name: Clayton Garcia II
Company: Cimarex Environmental
Seal Broken By:
Date: 5/17/22

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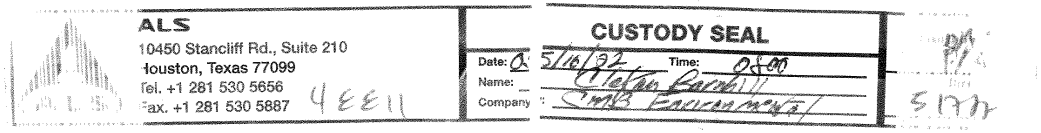

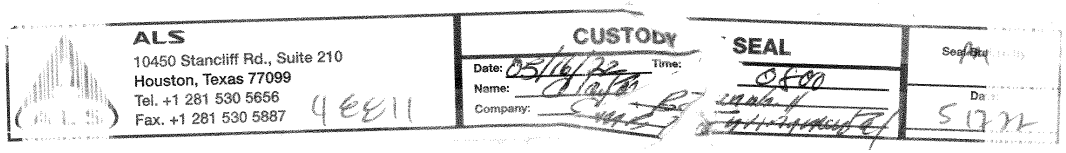

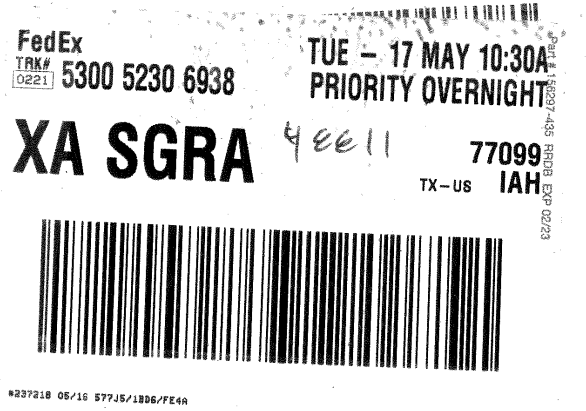

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10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
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December 09, 2022

Sofie Weber-Snapp
WSP USA
1880 W Oak Pkwy Building 100
Suite 106
Marietta, GA 30062

Work Order: **HS22111328**

Laboratory Results for: **Energy Transfer Roswell GW**

Dear Sofie Weber-Snapp,

ALS Environmental received 31 sample(s) on Nov 22, 2022 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: JUMOKE.LAWAL
Dane J. Wacasey

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Work Order: HS22111328

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22111328-01	8260 Trip Blank CG-102122-103	Water	CG-102122-103	17-Nov-2022 00:00	22-Nov-2022 09:10	
HS22111328-02	8011 Trip Blank CG102122-102	Water	CG102122-102	17-Nov-2022 00:00	22-Nov-2022 09:10	
HS22111328-03	MW-37	Water		17-Nov-2022 10:18	22-Nov-2022 09:10	
HS22111328-04	MW-34	Water		17-Nov-2022 11:01	22-Nov-2022 09:10	
HS22111328-05	MW-34 Duplicate	Water		17-Nov-2022 11:01	22-Nov-2022 09:10	
HS22111328-06	MW-35	Water		17-Nov-2022 13:50	22-Nov-2022 09:10	
HS22111328-07	8260 Trip Blank CG-102122-113	Water	CG-102122-113	17-Nov-2022 00:00	22-Nov-2022 09:10	
HS22111328-08	8011 Trip Blank CG102122-112	Water	CG102122-112	17-Nov-2022 00:00	22-Nov-2022 09:10	
HS22111328-09	MW-32	Water		17-Nov-2022 14:10	22-Nov-2022 09:10	
HS22111328-10	MW-29	Water		17-Nov-2022 15:05	22-Nov-2022 09:10	
HS22111328-11	MW-27	Water		18-Nov-2022 10:30	22-Nov-2022 09:10	
HS22111328-12	MW-21	Water		18-Nov-2022 11:41	22-Nov-2022 09:10	
HS22111328-13	8260 Trip Blank CG-102122-110	Water	CG-102122-110	18-Nov-2022 00:00	22-Nov-2022 09:10	
HS22111328-14	8011 Trip Blank CG-102-122-111	Water	CG-102-122-111	18-Nov-2022 00:00	22-Nov-2022 09:10	
HS22111328-15	MW-14	Water		18-Nov-2022 14:45	22-Nov-2022 09:10	
HS22111328-16	ESP Equipment Rinsate ESP PUMP	Water		20-Nov-2022 11:30	22-Nov-2022 09:10	
HS22111328-17	MW-22	Water		20-Nov-2022 12:56	22-Nov-2022 09:10	
HS22111328-18	MW-22 Duplicate	Water		20-Nov-2022 12:56	22-Nov-2022 09:10	
HS22111328-19	8260 Trip Blank CG-102122-106	Water	CG-102122-106	20-Nov-2022 00:00	22-Nov-2022 09:10	
HS22111328-20	8011 Trip Blank CG-102122-107	Water	CG-102122-107	20-Nov-2022 00:00	22-Nov-2022 09:10	
HS22111328-21	MW-20	Water		20-Nov-2022 13:40	22-Nov-2022 09:10	
HS22111328-22	MW-26	Water		20-Nov-2022 14:03	22-Nov-2022 09:10	
HS22111328-23	MW-13	Water		20-Nov-2022 15:20	22-Nov-2022 09:10	
HS22111328-24	SVE-28	Water		20-Nov-2022 15:47	22-Nov-2022 09:10	
HS22111328-25	ESP Pump Equipment Rinsate	Water		21-Nov-2022 07:30	22-Nov-2022 09:10	
HS22111328-26	MW-24D	Water		21-Nov-2022 09:20	22-Nov-2022 09:10	

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Work Order: HS22111328

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22111328-27	MW-42	Water		21-Nov-2022 09:36	22-Nov-2022 09:10	☐
HS22111328-28	MW-42 Duplicate	Water		21-Nov-2022 09:36	22-Nov-2022 09:10	☐
HS22111328-29	MW-40	Water		21-Nov-2022 10:30	22-Nov-2022 09:10	☐
HS22111328-30	MW-41	Water		21-Nov-2022 11:00	22-Nov-2022 09:10	☐
HS22111328-31	MW-39	Water		20-Nov-2022 11:37	22-Nov-2022 09:10	☐

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA **CASE NARRATIVE**
Project: Energy Transfer Roswell GW
Work Order: HS22111328

ECD Organics by Method SW8011

Batch ID: 186691

Sample ID: MBLK-186691

- Insufficient sample available to perform MS/MSD. LCS/LCSD provided as batch quality control.

Batch ID: 186692

Sample ID: MBLK-186692

- Insufficient sample available to perform MS/MSD. LCS/LCSD provided as batch quality control.

GCMS Semivolatiles by Method SW8270

Batch ID: 186581

Sample ID: LCSD-186581

- The RPD between the LCS and LCSD was outside of the control limit for select analytes.

Batch ID: 186621

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

GCMS Volatiles by Method SW8260

Batch ID: R422672

Sample ID: CCV

- CCV failed outside control limits high for Hexachlorobutadiene. Associated samples are ND.

Sample ID: MW-37 (HS22111328-03MS)

- The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. However, the LCS was within control limits. The recovery of the MS may be due to sample matrix interference.
- The RPD between the MS and MSD was outside of the control limit for select analytes.

Sample ID: MW-37 (HS22111328-03MSD)

- The recovery of the Matrix Spike Duplicate (MSD) associated to this analyte was outside of the established control limits. However, the LCS was within control limits. The failed recovery of the MSD may be due to sample matrix interference.

Sample ID: VLCSW-221128

- LCS failed outside control limits high for Chloromethane and Hexachlorobutadiene. Associated samples are ND.

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA **CASE NARRATIVE**
Project: Energy Transfer Roswell GW
Work Order: HS22111328

GCMS Volatiles by Method SW8260

Batch ID: R422787

Sample ID: CCV

- The %D for Bromomethane, Chloroethane, Chloromethane and Vinyl Chloride was below 20% in the daily CCV, however this meets the method criteria for 8260C with less than 10% of the compound failing so no corrective action was taken. Hexachlorobutadiene and Acrolein failed high. Samples are ND.

Sample ID: VLCSW-221129

- The %D for Chloromethane was below 20% in the daily LCS, however this meets the method criteria for 8260C with less than 10% of the compound failing so no corrective action was taken. Hexachlorobutadiene failed high. Samples are ND.

Sample ID: MW-41 (HS22111328-30MS)

- MS and or MSD failed QC limits for some compounds due to suspect matrix effect

Batch ID: R422881

Sample ID: CCV

- The %D for Bromomethane,Chloroethane,Chloromethane and Vinyl Chloride was below 20% in the daily CCV, however this meets the method criteria for 8260C with less than 10% of the compound failing so no corrective action was taken.

- 1,2,3-Trichlorobenzene,1,2,4-Trichlorobenzene,Bromoform and Hexachlorobutadiene failed high in CCV. Associated samples are ND.

Sample ID: VLCSW-221130

- LCS failed outside control limits high for1,1,2-Trichlor-1,2,2-trifluoroethane, Dichlorodifluoromethane,Hexachlorobutadiene and Trichlorofluoromethane. Associated samples are ND.

Sample ID: ESP Equipment Rinsate ESP PUMP (HS22111328-16MS)

- MS and or MSD failed QC limits for some compounds due to suspect matrix effect

Batch ID: R422893

Sample ID: CCV

- CCV failed outside control limits high for 1,1,2-Trichlor-1,2,2-trifluoroethane, Chloromethane, Dichlorodifluoromethane, Hexachlorobutadiene, Vinyl Chloride and Trichlorofluoromethane. Associated samples are ND.

Sample ID: VLCSW-221130

- LCS failed outside control limits high for Dichlorodifluoromethane and Hexachlorobutadiene. Associated samples are ND.

Sample ID: MW-24D (HS22111328-26MS)

- MS and or MSD failed QC limits for some compounds due to suspect matrix effect

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: 8260 Trip Blank CG-102122-103
Collection Date: 17-Nov-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,1,1-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,1,2-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,1-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,1-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,1-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,2,3-Trichloropropane	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,2-Dibromoethane	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,2-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,2-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,3-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,3-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 16:12
1,4-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:12
2,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 16:12
2-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 16:12
4-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 16:12
4-Isopropyltoluene	ND		1.0	ug/L	1	28-Nov-2022 16:12
Acetone	ND		2.0	ug/L	1	28-Nov-2022 16:12
Benzene	ND		1.0	ug/L	1	28-Nov-2022 16:12
Bromobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:12
Bromodichloromethane	ND		1.0	ug/L	1	28-Nov-2022 16:12
Bromoform	ND		1.0	ug/L	1	28-Nov-2022 16:12
Bromomethane	ND		1.0	ug/L	1	28-Nov-2022 16:12
Carbon disulfide	ND		2.0	ug/L	1	28-Nov-2022 16:12
Carbon tetrachloride	ND		1.0	ug/L	1	28-Nov-2022 16:12
Chlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:12
Chloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:12
Chloroform	ND		1.0	ug/L	1	28-Nov-2022 16:12
Chloromethane	ND		1.0	ug/L	1	28-Nov-2022 16:12
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 16:12
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 16:12

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: 8260 Trip Blank CG-102122-103
Collection Date: 17-Nov-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	28-Nov-2022 16:12
Dibromochloromethane	ND		1.0	ug/L	1	28-Nov-2022 16:12
Dichlorodifluoromethane	ND		1.0	ug/L	1	28-Nov-2022 16:12
Ethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:12
Hexachlorobutadiene	ND		1.0	ug/L	1	28-Nov-2022 16:12
Isopropylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:12
m,p-Xylene	ND		2.0	ug/L	1	28-Nov-2022 16:12
Methyl acetate	ND		1.0	ug/L	1	28-Nov-2022 16:12
2-Hexanone	ND		2.0	ug/L	1	28-Nov-2022 16:12
2-Butanone	ND		2.0	ug/L	1	28-Nov-2022 16:12
4-Methyl-2-pentanone	ND		2.0	ug/L	1	28-Nov-2022 16:12
Methyl tert-butyl ether	ND		1.0	ug/L	1	28-Nov-2022 16:12
Methylcyclohexane	ND		1.0	ug/L	1	28-Nov-2022 16:12
Methylene chloride	ND		2.0	ug/L	1	28-Nov-2022 16:12
n-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:12
n-Propylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:12
Naphthalene	ND		1.0	ug/L	1	28-Nov-2022 16:12
o-Xylene	ND		1.0	ug/L	1	28-Nov-2022 16:12
sec-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:12
Styrene	ND		1.0	ug/L	1	28-Nov-2022 16:12
tert-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:12
Tetrachloroethene	ND		1.0	ug/L	1	28-Nov-2022 16:12
Toluene	ND		1.0	ug/L	1	28-Nov-2022 16:12
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 16:12
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 16:12
Trichloroethene	ND		1.0	ug/L	1	28-Nov-2022 16:12
Trichlorofluoromethane	ND		1.0	ug/L	1	28-Nov-2022 16:12
Vinyl chloride	ND		1.0	ug/L	1	28-Nov-2022 16:12
Xylenes, Total	ND		1.0	ug/L	1	28-Nov-2022 16:12
Surr: 1,2-Dichloroethane-d4	*92.7*		*70-126*	*%REC*	*1*	*28-Nov-2022 16:12*
Surr: 4-Bromofluorobenzene	*101*		*77-113*	*%REC*	*1*	*28-Nov-2022 16:12*
Surr: Dibromofluoromethane	*105*		*77-123*	*%REC*	*1*	*28-Nov-2022 16:12*
Surr: Toluene-d8	*94.5*		*82-127*	*%REC*	*1*	*28-Nov-2022 16:12*

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: 8011 Trip Blank CG102122-102
Collection Date: 17-Nov-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
EDB-123TCP BY SW8011	**Method:SW8011**			Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 00:07
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 00:07

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-37
Collection Date: 17-Nov-2022 10:18

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,1,1-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,1,2-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,1-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,1-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,1-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,2,3-Trichloropropane	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,2-Dibromoethane	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,2-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,2-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,3-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,3-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 13:57
1,4-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 13:57
2,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 13:57
2-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 13:57
4-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 13:57
4-Isopropyltoluene	ND		1.0	ug/L	1	28-Nov-2022 13:57
Acetone	ND		2.0	ug/L	1	28-Nov-2022 13:57
Benzene	ND		1.0	ug/L	1	28-Nov-2022 13:57
Bromobenzene	ND		1.0	ug/L	1	28-Nov-2022 13:57
Bromodichloromethane	ND		1.0	ug/L	1	28-Nov-2022 13:57
Bromoform	ND		1.0	ug/L	1	28-Nov-2022 13:57
Bromomethane	ND		1.0	ug/L	1	28-Nov-2022 13:57
Carbon disulfide	ND		2.0	ug/L	1	28-Nov-2022 13:57
Carbon tetrachloride	ND		1.0	ug/L	1	28-Nov-2022 13:57
Chlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 13:57
Chloroethane	ND		1.0	ug/L	1	28-Nov-2022 13:57
Chloroform	ND		1.0	ug/L	1	28-Nov-2022 13:57
Chloromethane	ND		1.0	ug/L	1	28-Nov-2022 13:57
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 13:57
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 13:57

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-37
Collection Date: 17-Nov-2022 10:18

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	28-Nov-2022 13:57
Dibromochloromethane	ND		1.0	ug/L	1	28-Nov-2022 13:57
Dichlorodifluoromethane	ND		1.0	ug/L	1	28-Nov-2022 13:57
Ethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 13:57
Hexachlorobutadiene	ND		1.0	ug/L	1	28-Nov-2022 13:57
Isopropylbenzene	ND		1.0	ug/L	1	28-Nov-2022 13:57
m,p-Xylene	ND		2.0	ug/L	1	28-Nov-2022 13:57
Methyl acetate	ND		1.0	ug/L	1	28-Nov-2022 13:57
2-Hexanone	ND		2.0	ug/L	1	28-Nov-2022 13:57
2-Butanone	ND		2.0	ug/L	1	28-Nov-2022 13:57
4-Methyl-2-pentanone	ND		2.0	ug/L	1	28-Nov-2022 13:57
Methyl tert-butyl ether	ND		1.0	ug/L	1	28-Nov-2022 13:57
Methylcyclohexane	ND		1.0	ug/L	1	28-Nov-2022 13:57
Methylene chloride	ND		2.0	ug/L	1	28-Nov-2022 13:57
n-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 13:57
n-Propylbenzene	ND		1.0	ug/L	1	28-Nov-2022 13:57
o-Xylene	ND		1.0	ug/L	1	28-Nov-2022 13:57
sec-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 13:57
Styrene	ND		1.0	ug/L	1	28-Nov-2022 13:57
tert-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 13:57
Tetrachloroethene	ND		1.0	ug/L	1	28-Nov-2022 13:57
Toluene	ND		1.0	ug/L	1	28-Nov-2022 13:57
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 13:57
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 13:57
Trichloroethene	ND		1.0	ug/L	1	28-Nov-2022 13:57
Trichlorofluoromethane	ND		1.0	ug/L	1	28-Nov-2022 13:57
Vinyl chloride	ND		1.0	ug/L	1	28-Nov-2022 13:57
Xylenes, Total	ND		1.0	ug/L	1	28-Nov-2022 13:57
Surr: 1,2-Dichloroethane-d4	*90.2*		*70-126*	*%REC*	*1*	*28-Nov-2022 13:57*
Surr: 4-Bromofluorobenzene	*101*		*77-113*	*%REC*	*1*	*28-Nov-2022 13:57*
Surr: Dibromofluoromethane	*98.6*		*77-123*	*%REC*	*1*	*28-Nov-2022 13:57*
Surr: Toluene-d8	*95.8*		*82-127*	*%REC*	*1*	*28-Nov-2022 13:57*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-37
Collection Date: 17-Nov-2022 10:18

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.833	ug/L	1	29-Nov-2022 14:41
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 14:41
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 14:41
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 14:41
Surr: 2-Fluorobiphenyl	*84.0*		*40-125*	*%REC*	*1*	*29-Nov-2022 14:41*
Surr: 4-Terphenyl-d14	*98.9*		*40-135*	*%REC*	*1*	*29-Nov-2022 14:41*
Surr: Nitrobenzene-d5	*64.9*		*41-120*	*%REC*	*1*	*29-Nov-2022 14:41*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 00:31
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 00:31

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-34
Collection Date: 17-Nov-2022 11:01

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,1,1-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,1,2-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,1-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,1-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,1-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,2,3-Trichloropropane	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,2-Dibromoethane	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,2-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,2-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,3-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,3-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 17:42
1,4-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 17:42
2,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 17:42
2-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 17:42
4-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 17:42
4-Isopropyltoluene	ND		1.0	ug/L	1	28-Nov-2022 17:42
Acetone	ND		2.0	ug/L	1	28-Nov-2022 17:42
Benzene	ND		1.0	ug/L	1	28-Nov-2022 17:42
Bromobenzene	ND		1.0	ug/L	1	28-Nov-2022 17:42
Bromodichloromethane	ND		1.0	ug/L	1	28-Nov-2022 17:42
Bromoform	ND		1.0	ug/L	1	28-Nov-2022 17:42
Bromomethane	ND		1.0	ug/L	1	28-Nov-2022 17:42
Carbon disulfide	ND		2.0	ug/L	1	28-Nov-2022 17:42
Carbon tetrachloride	ND		1.0	ug/L	1	28-Nov-2022 17:42
Chlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 17:42
Chloroethane	ND		1.0	ug/L	1	28-Nov-2022 17:42
Chloroform	ND		1.0	ug/L	1	28-Nov-2022 17:42
Chloromethane	ND		1.0	ug/L	1	28-Nov-2022 17:42
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 17:42
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 17:42

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-34
Collection Date: 17-Nov-2022 11:01

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	28-Nov-2022 17:42
Dibromochloromethane	ND		1.0	ug/L	1	28-Nov-2022 17:42
Dichlorodifluoromethane	ND		1.0	ug/L	1	28-Nov-2022 17:42
Ethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 17:42
Hexachlorobutadiene	ND		1.0	ug/L	1	28-Nov-2022 17:42
Isopropylbenzene	ND		1.0	ug/L	1	28-Nov-2022 17:42
m,p-Xylene	ND		2.0	ug/L	1	28-Nov-2022 17:42
Methyl acetate	ND		1.0	ug/L	1	28-Nov-2022 17:42
2-Hexanone	ND		2.0	ug/L	1	28-Nov-2022 17:42
2-Butanone	ND		2.0	ug/L	1	28-Nov-2022 17:42
4-Methyl-2-pentanone	ND		2.0	ug/L	1	28-Nov-2022 17:42
Methyl tert-butyl ether	ND		1.0	ug/L	1	28-Nov-2022 17:42
Methylcyclohexane	ND		1.0	ug/L	1	28-Nov-2022 17:42
Methylene chloride	ND		2.0	ug/L	1	28-Nov-2022 17:42
n-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 17:42
n-Propylbenzene	ND		1.0	ug/L	1	28-Nov-2022 17:42
o-Xylene	ND		1.0	ug/L	1	28-Nov-2022 17:42
sec-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 17:42
Styrene	ND		1.0	ug/L	1	28-Nov-2022 17:42
tert-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 17:42
Tetrachloroethene	ND		1.0	ug/L	1	28-Nov-2022 17:42
Toluene	ND		1.0	ug/L	1	28-Nov-2022 17:42
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 17:42
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 17:42
Trichloroethene	ND		1.0	ug/L	1	28-Nov-2022 17:42
Trichlorofluoromethane	ND		1.0	ug/L	1	28-Nov-2022 17:42
Vinyl chloride	ND		1.0	ug/L	1	28-Nov-2022 17:42
Xylenes, Total	ND		1.0	ug/L	1	28-Nov-2022 17:42
Surr: 1,2-Dichloroethane-d4	*93.4*		*70-126*	*%REC*	*1*	*28-Nov-2022 17:42*
Surr: 4-Bromofluorobenzene	*101*		*77-113*	*%REC*	*1*	*28-Nov-2022 17:42*
Surr: Dibromofluoromethane	*100*		*77-123*	*%REC*	*1*	*28-Nov-2022 17:42*
Surr: Toluene-d8	*95.8*		*82-127*	*%REC*	*1*	*28-Nov-2022 17:42*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-34
Collection Date: 17-Nov-2022 11:01

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	**5.84**		**0.833**	**ug/L**	1	29-Nov-2022 15:00
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 15:00
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 15:00
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 15:00
Surr: 2-Fluorobiphenyl	*85.5*		*40-125*	*%REC*	*1*	*29-Nov-2022 15:00*
Surr: 4-Terphenyl-d14	*100*		*40-135*	*%REC*	*1*	*29-Nov-2022 15:00*
Surr: Nitrobenzene-d5	*66.9*		*41-120*	*%REC*	*1*	*29-Nov-2022 15:00*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 00:54
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 00:54

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-34 Duplicate
Collection Date: 17-Nov-2022 11:01

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-05
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,1,1-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,1,2-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,1-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,1-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,1-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,2,3-Trichloropropane	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,2-Dibromoethane	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,2-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,2-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,3-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,3-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 18:04
1,4-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:04
2,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 18:04
2-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 18:04
4-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 18:04
4-Isopropyltoluene	ND		1.0	ug/L	1	28-Nov-2022 18:04
Acetone	ND		2.0	ug/L	1	28-Nov-2022 18:04
Benzene	ND		1.0	ug/L	1	28-Nov-2022 18:04
Bromobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:04
Bromodichloromethane	ND		1.0	ug/L	1	28-Nov-2022 18:04
Bromoform	ND		1.0	ug/L	1	28-Nov-2022 18:04
Bromomethane	ND		1.0	ug/L	1	28-Nov-2022 18:04
Carbon disulfide	ND		2.0	ug/L	1	28-Nov-2022 18:04
Carbon tetrachloride	ND		1.0	ug/L	1	28-Nov-2022 18:04
Chlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:04
Chloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:04
Chloroform	ND		1.0	ug/L	1	28-Nov-2022 18:04
Chloromethane	ND		1.0	ug/L	1	28-Nov-2022 18:04
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 18:04
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 18:04

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-34 Duplicate
Collection Date: 17-Nov-2022 11:01

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-05
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	28-Nov-2022 18:04
Dibromochloromethane	ND		1.0	ug/L	1	28-Nov-2022 18:04
Dichlorodifluoromethane	ND		1.0	ug/L	1	28-Nov-2022 18:04
Ethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:04
Hexachlorobutadiene	ND		1.0	ug/L	1	28-Nov-2022 18:04
Isopropylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:04
m,p-Xylene	ND		2.0	ug/L	1	28-Nov-2022 18:04
Methyl acetate	ND		1.0	ug/L	1	28-Nov-2022 18:04
2-Hexanone	ND		2.0	ug/L	1	28-Nov-2022 18:04
2-Butanone	ND		2.0	ug/L	1	28-Nov-2022 18:04
4-Methyl-2-pentanone	ND		2.0	ug/L	1	28-Nov-2022 18:04
Methyl tert-butyl ether	ND		1.0	ug/L	1	28-Nov-2022 18:04
Methylcyclohexane	ND		1.0	ug/L	1	28-Nov-2022 18:04
Methylene chloride	ND		2.0	ug/L	1	28-Nov-2022 18:04
n-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:04
n-Propylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:04
o-Xylene	ND		1.0	ug/L	1	28-Nov-2022 18:04
sec-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:04
Styrene	ND		1.0	ug/L	1	28-Nov-2022 18:04
tert-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:04
Tetrachloroethene	ND		1.0	ug/L	1	28-Nov-2022 18:04
Toluene	ND		1.0	ug/L	1	28-Nov-2022 18:04
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 18:04
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 18:04
Trichloroethene	ND		1.0	ug/L	1	28-Nov-2022 18:04
Trichlorofluoromethane	ND		1.0	ug/L	1	28-Nov-2022 18:04
Vinyl chloride	ND		1.0	ug/L	1	28-Nov-2022 18:04
Xylenes, Total	ND		1.0	ug/L	1	28-Nov-2022 18:04
Surr: 1,2-Dichloroethane-d4	*90.2*		*70-126*	*%REC*	*1*	*28-Nov-2022 18:04*
Surr: 4-Bromofluorobenzene	*99.1*		*77-113*	*%REC*	*1*	*28-Nov-2022 18:04*
Surr: Dibromofluoromethane	*101*		*77-123*	*%REC*	*1*	*28-Nov-2022 18:04*
Surr: Toluene-d8	*95.7*		*82-127*	*%REC*	*1*	*28-Nov-2022 18:04*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-34 Duplicate
Collection Date: 17-Nov-2022 11:01

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-05
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	**9.26**		**0.833**	**ug/L**	1	29-Nov-2022 15:19
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 15:19
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 15:19
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 15:19
Surr: 2-Fluorobiphenyl	*82.1*		*40-125*	*%REC*	*1*	*29-Nov-2022 15:19*
Surr: 4-Terphenyl-d14	*92.7*		*40-135*	*%REC*	*1*	*29-Nov-2022 15:19*
Surr: Nitrobenzene-d5	*63.5*		*41-120*	*%REC*	*1*	*29-Nov-2022 15:19*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 01:18
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 01:18

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-35
Collection Date: 17-Nov-2022 13:50

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-06
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,1,1-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,1,2-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,1-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,1-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,1-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,2,3-Trichloropropane	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,2-Dibromoethane	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,2-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,2-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,3-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,3-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 18:27
1,4-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:27
2,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 18:27
2-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 18:27
4-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 18:27
4-Isopropyltoluene	ND		1.0	ug/L	1	28-Nov-2022 18:27
Acetone	ND		2.0	ug/L	1	28-Nov-2022 18:27
Benzene	ND		1.0	ug/L	1	28-Nov-2022 18:27
Bromobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:27
Bromodichloromethane	ND		1.0	ug/L	1	28-Nov-2022 18:27
Bromoform	ND		1.0	ug/L	1	28-Nov-2022 18:27
Bromomethane	ND		1.0	ug/L	1	28-Nov-2022 18:27
Carbon disulfide	ND		2.0	ug/L	1	28-Nov-2022 18:27
Carbon tetrachloride	ND		1.0	ug/L	1	28-Nov-2022 18:27
Chlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:27
Chloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:27
Chloroform	ND		1.0	ug/L	1	28-Nov-2022 18:27
Chloromethane	ND		1.0	ug/L	1	28-Nov-2022 18:27
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 18:27
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 18:27

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-35
Collection Date: 17-Nov-2022 13:50

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-06
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	28-Nov-2022 18:27
Dibromochloromethane	ND		1.0	ug/L	1	28-Nov-2022 18:27
Dichlorodifluoromethane	ND		1.0	ug/L	1	28-Nov-2022 18:27
Ethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:27
Hexachlorobutadiene	ND		1.0	ug/L	1	28-Nov-2022 18:27
Isopropylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:27
m,p-Xylene	ND		2.0	ug/L	1	28-Nov-2022 18:27
Methyl acetate	ND		1.0	ug/L	1	28-Nov-2022 18:27
2-Hexanone	ND		2.0	ug/L	1	28-Nov-2022 18:27
2-Butanone	ND		2.0	ug/L	1	28-Nov-2022 18:27
4-Methyl-2-pentanone	ND		2.0	ug/L	1	28-Nov-2022 18:27
Methyl tert-butyl ether	ND		1.0	ug/L	1	28-Nov-2022 18:27
Methylcyclohexane	ND		1.0	ug/L	1	28-Nov-2022 18:27
Methylene chloride	ND		2.0	ug/L	1	28-Nov-2022 18:27
n-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:27
n-Propylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:27
o-Xylene	ND		1.0	ug/L	1	28-Nov-2022 18:27
sec-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:27
Styrene	ND		1.0	ug/L	1	28-Nov-2022 18:27
tert-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:27
Tetrachloroethene	ND		1.0	ug/L	1	28-Nov-2022 18:27
Toluene	ND		1.0	ug/L	1	28-Nov-2022 18:27
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 18:27
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 18:27
Trichloroethene	ND		1.0	ug/L	1	28-Nov-2022 18:27
Trichlorofluoromethane	ND		1.0	ug/L	1	28-Nov-2022 18:27
Vinyl chloride	ND		1.0	ug/L	1	28-Nov-2022 18:27
Xylenes, Total	ND		1.0	ug/L	1	28-Nov-2022 18:27
Surr: 1,2-Dichloroethane-d4	*90.4*		*70-126*	*%REC*	*1*	*28-Nov-2022 18:27*
Surr: 4-Bromofluorobenzene	*102*		*77-113*	*%REC*	*1*	*28-Nov-2022 18:27*
Surr: Dibromofluoromethane	*99.5*		*77-123*	*%REC*	*1*	*28-Nov-2022 18:27*
Surr: Toluene-d8	*91.7*		*82-127*	*%REC*	*1*	*28-Nov-2022 18:27*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-35
Collection Date: 17-Nov-2022 13:50

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-06
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.833	ug/L	1	29-Nov-2022 15:38
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 15:38
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 15:38
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 15:38
Surr: 2-Fluorobiphenyl	*89.7*		*40-125*	*%REC*	*1*	*29-Nov-2022 15:38*
Surr: 4-Terphenyl-d14	*102*		*40-135*	*%REC*	*1*	*29-Nov-2022 15:38*
Surr: Nitrobenzene-d5	*71.2*		*41-120*	*%REC*	*1*	*29-Nov-2022 15:38*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 03:38
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 03:38

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: 8260 Trip Blank CG-102122-113
Collection Date: 17-Nov-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-07
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,1,1-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,1,2-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,1-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,1-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,1-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,2,3-Trichloropropane	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,2-Dibromoethane	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,2-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,2-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,3-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,3-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 16:34
1,4-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:34
2,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 16:34
2-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 16:34
4-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 16:34
4-Isopropyltoluene	ND		1.0	ug/L	1	28-Nov-2022 16:34
Acetone	ND		2.0	ug/L	1	28-Nov-2022 16:34
Benzene	ND		1.0	ug/L	1	28-Nov-2022 16:34
Bromobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:34
Bromodichloromethane	ND		1.0	ug/L	1	28-Nov-2022 16:34
Bromoform	ND		1.0	ug/L	1	28-Nov-2022 16:34
Bromomethane	ND		1.0	ug/L	1	28-Nov-2022 16:34
Carbon disulfide	ND		2.0	ug/L	1	28-Nov-2022 16:34
Carbon tetrachloride	ND		1.0	ug/L	1	28-Nov-2022 16:34
Chlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:34
Chloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:34
Chloroform	ND		1.0	ug/L	1	28-Nov-2022 16:34
Chloromethane	ND		1.0	ug/L	1	28-Nov-2022 16:34
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 16:34
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 16:34

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: 8260 Trip Blank CG-102122-113
Collection Date: 17-Nov-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-07
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	28-Nov-2022 16:34
Dibromochloromethane	ND		1.0	ug/L	1	28-Nov-2022 16:34
Dichlorodifluoromethane	ND		1.0	ug/L	1	28-Nov-2022 16:34
Ethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:34
Hexachlorobutadiene	ND		1.0	ug/L	1	28-Nov-2022 16:34
Isopropylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:34
m,p-Xylene	ND		2.0	ug/L	1	28-Nov-2022 16:34
Methyl acetate	ND		1.0	ug/L	1	28-Nov-2022 16:34
2-Hexanone	ND		2.0	ug/L	1	28-Nov-2022 16:34
2-Butanone	ND		2.0	ug/L	1	28-Nov-2022 16:34
4-Methyl-2-pentanone	ND		2.0	ug/L	1	28-Nov-2022 16:34
Methyl tert-butyl ether	ND		1.0	ug/L	1	28-Nov-2022 16:34
Methylcyclohexane	ND		1.0	ug/L	1	28-Nov-2022 16:34
Methylene chloride	ND		2.0	ug/L	1	28-Nov-2022 16:34
n-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:34
n-Propylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:34
Naphthalene	ND		1.0	ug/L	1	28-Nov-2022 16:34
o-Xylene	ND		1.0	ug/L	1	28-Nov-2022 16:34
sec-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:34
Styrene	ND		1.0	ug/L	1	28-Nov-2022 16:34
tert-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:34
Tetrachloroethene	ND		1.0	ug/L	1	28-Nov-2022 16:34
Toluene	ND		1.0	ug/L	1	28-Nov-2022 16:34
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 16:34
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 16:34
Trichloroethene	ND		1.0	ug/L	1	28-Nov-2022 16:34
Trichlorofluoromethane	ND		1.0	ug/L	1	28-Nov-2022 16:34
Vinyl chloride	ND		1.0	ug/L	1	28-Nov-2022 16:34
Xylenes, Total	ND		1.0	ug/L	1	28-Nov-2022 16:34
Surr: 1,2-Dichloroethane-d4	*93.7*		*70-126*	*%REC*	*1*	*28-Nov-2022 16:34*
Surr: 4-Bromofluorobenzene	*96.5*		*77-113*	*%REC*	*1*	*28-Nov-2022 16:34*
Surr: Dibromofluoromethane	*103*		*77-123*	*%REC*	*1*	*28-Nov-2022 16:34*
Surr: Toluene-d8	*94.6*		*82-127*	*%REC*	*1*	*28-Nov-2022 16:34*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: 8011 Trip Blank CG102122-112
Collection Date: 17-Nov-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-08
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
EDB-123TCP BY SW8011	**Method:SW8011**			Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 04:02
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 04:02

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-32
Collection Date: 17-Nov-2022 14:10

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-09
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,1,1-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,1,2-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,1-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,1-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,1-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,2,3-Trichloropropane	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,2-Dibromoethane	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,2-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,2-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,3-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,3-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 18:49
1,4-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:49
2,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 18:49
2-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 18:49
4-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 18:49
4-Isopropyltoluene	ND		1.0	ug/L	1	28-Nov-2022 18:49
Acetone	ND		2.0	ug/L	1	28-Nov-2022 18:49
Benzene	ND		1.0	ug/L	1	28-Nov-2022 18:49
Bromobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:49
Bromodichloromethane	ND		1.0	ug/L	1	28-Nov-2022 18:49
Bromoform	ND		1.0	ug/L	1	28-Nov-2022 18:49
Bromomethane	ND		1.0	ug/L	1	28-Nov-2022 18:49
Carbon disulfide	ND		2.0	ug/L	1	28-Nov-2022 18:49
Carbon tetrachloride	ND		1.0	ug/L	1	28-Nov-2022 18:49
Chlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 18:49
Chloroethane	ND		1.0	ug/L	1	28-Nov-2022 18:49
Chloroform	ND		1.0	ug/L	1	28-Nov-2022 18:49
Chloromethane	ND		1.0	ug/L	1	28-Nov-2022 18:49
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 18:49
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 18:49

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-32
Collection Date: 17-Nov-2022 14:10

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-09
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	28-Nov-2022 18:49
Dibromochloromethane	ND		1.0	ug/L	1	28-Nov-2022 18:49
Dichlorodifluoromethane	ND		1.0	ug/L	1	28-Nov-2022 18:49
Ethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:49
Hexachlorobutadiene	ND		1.0	ug/L	1	28-Nov-2022 18:49
Isopropylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:49
m,p-Xylene	ND		2.0	ug/L	1	28-Nov-2022 18:49
Methyl acetate	ND		1.0	ug/L	1	28-Nov-2022 18:49
2-Hexanone	ND		2.0	ug/L	1	28-Nov-2022 18:49
2-Butanone	ND		2.0	ug/L	1	28-Nov-2022 18:49
4-Methyl-2-pentanone	ND		2.0	ug/L	1	28-Nov-2022 18:49
Methyl tert-butyl ether	ND		1.0	ug/L	1	28-Nov-2022 18:49
Methylcyclohexane	ND		1.0	ug/L	1	28-Nov-2022 18:49
Methylene chloride	ND		2.0	ug/L	1	28-Nov-2022 18:49
n-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:49
n-Propylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:49
o-Xylene	ND		1.0	ug/L	1	28-Nov-2022 18:49
sec-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:49
Styrene	ND		1.0	ug/L	1	28-Nov-2022 18:49
tert-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 18:49
Tetrachloroethene	ND		1.0	ug/L	1	28-Nov-2022 18:49
Toluene	ND		1.0	ug/L	1	28-Nov-2022 18:49
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 18:49
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 18:49
Trichloroethene	ND		1.0	ug/L	1	28-Nov-2022 18:49
Trichlorofluoromethane	ND		1.0	ug/L	1	28-Nov-2022 18:49
Vinyl chloride	ND		1.0	ug/L	1	28-Nov-2022 18:49
Xylenes, Total	ND		1.0	ug/L	1	28-Nov-2022 18:49
Surr: 1,2-Dichloroethane-d4	*92.8*		*70-126*	*%REC*	*1*	*28-Nov-2022 18:49*
Surr: 4-Bromofluorobenzene	*98.1*		*77-113*	*%REC*	*1*	*28-Nov-2022 18:49*
Surr: Dibromofluoromethane	*102*		*77-123*	*%REC*	*1*	*28-Nov-2022 18:49*
Surr: Toluene-d8	*93.8*		*82-127*	*%REC*	*1*	*28-Nov-2022 18:49*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-32
Collection Date: 17-Nov-2022 14:10

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-09
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	**2.76**		**0.833**	**ug/L**	1	29-Nov-2022 15:57
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 15:57
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 15:57
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 15:57
Surr: 2-Fluorobiphenyl	*82.7*		*40-125*	*%REC*	*1*	*29-Nov-2022 15:57*
Surr: 4-Terphenyl-d14	*95.5*		*40-135*	*%REC*	*1*	*29-Nov-2022 15:57*
Surr: Nitrobenzene-d5	*64.5*		*41-120*	*%REC*	*1*	*29-Nov-2022 15:57*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 04:25
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 04:25

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-29
Collection Date: 17-Nov-2022 15:05

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-10
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,1,1-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,1,2-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,1-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,1-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,1-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,2,3-Trichloropropane	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,2-Dibromoethane	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,2-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,2-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,3-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,3-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 19:12
1,4-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 19:12
2,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 19:12
2-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 19:12
4-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 19:12
4-Isopropyltoluene	ND		1.0	ug/L	1	28-Nov-2022 19:12
Acetone	ND		2.0	ug/L	1	28-Nov-2022 19:12
Benzene	ND		1.0	ug/L	1	28-Nov-2022 19:12
Bromobenzene	ND		1.0	ug/L	1	28-Nov-2022 19:12
Bromodichloromethane	ND		1.0	ug/L	1	28-Nov-2022 19:12
Bromoform	ND		1.0	ug/L	1	28-Nov-2022 19:12
Bromomethane	ND		1.0	ug/L	1	28-Nov-2022 19:12
Carbon disulfide	ND		2.0	ug/L	1	28-Nov-2022 19:12
Carbon tetrachloride	ND		1.0	ug/L	1	28-Nov-2022 19:12
Chlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 19:12
Chloroethane	ND		1.0	ug/L	1	28-Nov-2022 19:12
Chloroform	ND		1.0	ug/L	1	28-Nov-2022 19:12
Chloromethane	ND		1.0	ug/L	1	28-Nov-2022 19:12
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 19:12
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 19:12

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-29
Collection Date: 17-Nov-2022 15:05

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-10
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	28-Nov-2022 19:12
Dibromochloromethane	ND		1.0	ug/L	1	28-Nov-2022 19:12
Dichlorodifluoromethane	ND		1.0	ug/L	1	28-Nov-2022 19:12
Ethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 19:12
Hexachlorobutadiene	ND		1.0	ug/L	1	28-Nov-2022 19:12
Isopropylbenzene	ND		1.0	ug/L	1	28-Nov-2022 19:12
m,p-Xylene	ND		2.0	ug/L	1	28-Nov-2022 19:12
Methyl acetate	ND		1.0	ug/L	1	28-Nov-2022 19:12
2-Hexanone	ND		2.0	ug/L	1	28-Nov-2022 19:12
2-Butanone	ND		2.0	ug/L	1	28-Nov-2022 19:12
4-Methyl-2-pentanone	ND		2.0	ug/L	1	28-Nov-2022 19:12
Methyl tert-butyl ether	ND		1.0	ug/L	1	28-Nov-2022 19:12
Methylcyclohexane	ND		1.0	ug/L	1	28-Nov-2022 19:12
Methylene chloride	ND		2.0	ug/L	1	28-Nov-2022 19:12
n-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 19:12
n-Propylbenzene	ND		1.0	ug/L	1	28-Nov-2022 19:12
o-Xylene	ND		1.0	ug/L	1	28-Nov-2022 19:12
sec-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 19:12
Styrene	ND		1.0	ug/L	1	28-Nov-2022 19:12
tert-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 19:12
Tetrachloroethene	ND		1.0	ug/L	1	28-Nov-2022 19:12
Toluene	ND		1.0	ug/L	1	28-Nov-2022 19:12
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 19:12
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 19:12
Trichloroethene	ND		1.0	ug/L	1	28-Nov-2022 19:12
Trichlorofluoromethane	ND		1.0	ug/L	1	28-Nov-2022 19:12
Vinyl chloride	ND		1.0	ug/L	1	28-Nov-2022 19:12
Xylenes, Total	ND		1.0	ug/L	1	28-Nov-2022 19:12
Surr: 1,2-Dichloroethane-d4	*90.9*		*70-126*	*%REC*	*1*	*28-Nov-2022 19:12*
Surr: 4-Bromofluorobenzene	*99.5*		*77-113*	*%REC*	*1*	*28-Nov-2022 19:12*
Surr: Dibromofluoromethane	*102*		*77-123*	*%REC*	*1*	*28-Nov-2022 19:12*
Surr: Toluene-d8	*95.6*		*82-127*	*%REC*	*1*	*28-Nov-2022 19:12*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-29
Collection Date: 17-Nov-2022 15:05

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-10
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	**7.35**		**0.833**	**ug/L**	1	29-Nov-2022 16:16
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 16:16
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 16:16
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 16:16
Surr: 2-Fluorobiphenyl	*93.0*		*40-125*	*%REC*	*1*	*29-Nov-2022 16:16*
Surr: 4-Terphenyl-d14	*104*		*40-135*	*%REC*	*1*	*29-Nov-2022 16:16*
Surr: Nitrobenzene-d5	*71.5*		*41-120*	*%REC*	*1*	*29-Nov-2022 16:16*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 04:49
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 04:49

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-27
Collection Date: 18-Nov-2022 10:30

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-11
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,1,1-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,1,2-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,1-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,1-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,1-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,2,3-Trichloropropane	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,2-Dibromoethane	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,2-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,2-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,3-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,3-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 05:55
1,4-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 05:55
2,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 05:55
2-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 05:55
4-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 05:55
4-Isopropyltoluene	ND		1.0	ug/L	1	30-Nov-2022 05:55
Acetone	ND		2.0	ug/L	1	30-Nov-2022 05:55
Benzene	ND		1.0	ug/L	1	30-Nov-2022 05:55
Bromobenzene	ND		1.0	ug/L	1	30-Nov-2022 05:55
Bromodichloromethane	ND		1.0	ug/L	1	30-Nov-2022 05:55
Bromoform	ND		1.0	ug/L	1	30-Nov-2022 05:55
Bromomethane	ND		1.0	ug/L	1	30-Nov-2022 05:55
Carbon disulfide	ND		2.0	ug/L	1	30-Nov-2022 05:55
Carbon tetrachloride	ND		1.0	ug/L	1	30-Nov-2022 05:55
Chlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 05:55
Chloroethane	ND		1.0	ug/L	1	30-Nov-2022 05:55
Chloroform	ND		1.0	ug/L	1	30-Nov-2022 05:55
Chloromethane	ND		1.0	ug/L	1	30-Nov-2022 05:55
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 05:55
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 05:55

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-27
Collection Date: 18-Nov-2022 10:30

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-11
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**				Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	30-Nov-2022 05:55
Dibromochloromethane	ND		1.0	ug/L	1	30-Nov-2022 05:55
Dichlorodifluoromethane	ND		1.0	ug/L	1	30-Nov-2022 05:55
Ethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 05:55
Hexachlorobutadiene	ND		1.0	ug/L	1	30-Nov-2022 05:55
Isopropylbenzene	ND		1.0	ug/L	1	30-Nov-2022 05:55
m,p-Xylene	ND		2.0	ug/L	1	30-Nov-2022 05:55
Methyl acetate	ND		1.0	ug/L	1	30-Nov-2022 05:55
2-Hexanone	ND		2.0	ug/L	1	30-Nov-2022 05:55
2-Butanone	ND		2.0	ug/L	1	30-Nov-2022 05:55
4-Methyl-2-pentanone	ND		2.0	ug/L	1	30-Nov-2022 05:55
Methyl tert-butyl ether	ND		1.0	ug/L	1	30-Nov-2022 05:55
Methylcyclohexane	**52**		**1.0**	**ug/L**	1	30-Nov-2022 05:55
Methylene chloride	ND		2.0	ug/L	1	30-Nov-2022 05:55
n-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 05:55
n-Propylbenzene	ND		1.0	ug/L	1	30-Nov-2022 05:55
o-Xylene	ND		1.0	ug/L	1	30-Nov-2022 05:55
sec-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 05:55
Styrene	ND		1.0	ug/L	1	30-Nov-2022 05:55
tert-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 05:55
Tetrachloroethene	ND		1.0	ug/L	1	30-Nov-2022 05:55
Toluene	ND		1.0	ug/L	1	30-Nov-2022 05:55
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 05:55
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 05:55
Trichloroethene	ND		1.0	ug/L	1	30-Nov-2022 05:55
Trichlorofluoromethane	ND		1.0	ug/L	1	30-Nov-2022 05:55
Vinyl chloride	ND		1.0	ug/L	1	30-Nov-2022 05:55
Xylenes, Total	ND		1.0	ug/L	1	30-Nov-2022 05:55
Surr: 1,2-Dichloroethane-d4	*82.5*		*70-126*	*%REC*	*1*	*30-Nov-2022 05:55*
Surr: 4-Bromofluorobenzene	*101*		*77-113*	*%REC*	*1*	*30-Nov-2022 05:55*
Surr: Dibromofluoromethane	*94.1*		*77-123*	*%REC*	*1*	*30-Nov-2022 05:55*
Surr: Toluene-d8	*91.7*		*82-127*	*%REC*	*1*	*30-Nov-2022 05:55*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-27
Collection Date: 18-Nov-2022 10:30

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-11
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.833	ug/L	1	29-Nov-2022 16:35
1-Methylnaphthalene	**1.1**		**0.0833**	**ug/L**	1	29-Nov-2022 16:35
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 16:35
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 16:35
Surr: 2-Fluorobiphenyl	*87.6*		*40-125*	*%REC*	*1*	*29-Nov-2022 16:35*
Surr: 4-Terphenyl-d14	*96.3*		*40-135*	*%REC*	*1*	*29-Nov-2022 16:35*
Surr: Nitrobenzene-d5	*66.8*		*41-120*	*%REC*	*1*	*29-Nov-2022 16:35*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 05:12
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 05:12

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-21
Collection Date: 18-Nov-2022 11:41

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-12
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,1,1-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,1,2-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,1-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,1-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,1-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,2,3-Trichloropropane	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,2-Dibromoethane	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,2-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,2-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,3-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,3-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 06:17
1,4-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 06:17
2,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 06:17
2-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 06:17
4-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 06:17
4-Isopropyltoluene	ND		1.0	ug/L	1	30-Nov-2022 06:17
Acetone	ND		2.0	ug/L	1	30-Nov-2022 06:17
Benzene	ND		1.0	ug/L	1	30-Nov-2022 06:17
Bromobenzene	ND		1.0	ug/L	1	30-Nov-2022 06:17
Bromodichloromethane	ND		1.0	ug/L	1	30-Nov-2022 06:17
Bromoform	ND		1.0	ug/L	1	30-Nov-2022 06:17
Bromomethane	ND		1.0	ug/L	1	30-Nov-2022 06:17
Carbon disulfide	ND		2.0	ug/L	1	30-Nov-2022 06:17
Carbon tetrachloride	ND		1.0	ug/L	1	30-Nov-2022 06:17
Chlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 06:17
Chloroethane	ND		1.0	ug/L	1	30-Nov-2022 06:17
Chloroform	ND		1.0	ug/L	1	30-Nov-2022 06:17
Chloromethane	ND		1.0	ug/L	1	30-Nov-2022 06:17
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 06:17
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 06:17

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-21
Collection Date: 18-Nov-2022 11:41

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-12
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	30-Nov-2022 06:17
Dibromochloromethane	ND		1.0	ug/L	1	30-Nov-2022 06:17
Dichlorodifluoromethane	ND		1.0	ug/L	1	30-Nov-2022 06:17
Ethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 06:17
Hexachlorobutadiene	ND		1.0	ug/L	1	30-Nov-2022 06:17
Isopropylbenzene	ND		1.0	ug/L	1	30-Nov-2022 06:17
m,p-Xylene	ND		2.0	ug/L	1	30-Nov-2022 06:17
Methyl acetate	ND		1.0	ug/L	1	30-Nov-2022 06:17
2-Hexanone	ND		2.0	ug/L	1	30-Nov-2022 06:17
2-Butanone	ND		2.0	ug/L	1	30-Nov-2022 06:17
4-Methyl-2-pentanone	ND		2.0	ug/L	1	30-Nov-2022 06:17
Methyl tert-butyl ether	ND		1.0	ug/L	1	30-Nov-2022 06:17
Methylcyclohexane	ND		1.0	ug/L	1	30-Nov-2022 06:17
Methylene chloride	ND		2.0	ug/L	1	30-Nov-2022 06:17
n-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 06:17
n-Propylbenzene	ND		1.0	ug/L	1	30-Nov-2022 06:17
o-Xylene	ND		1.0	ug/L	1	30-Nov-2022 06:17
sec-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 06:17
Styrene	ND		1.0	ug/L	1	30-Nov-2022 06:17
tert-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 06:17
Tetrachloroethene	ND		1.0	ug/L	1	30-Nov-2022 06:17
Toluene	ND		1.0	ug/L	1	30-Nov-2022 06:17
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 06:17
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 06:17
Trichloroethene	ND		1.0	ug/L	1	30-Nov-2022 06:17
Trichlorofluoromethane	ND		1.0	ug/L	1	30-Nov-2022 06:17
Vinyl chloride	ND		1.0	ug/L	1	30-Nov-2022 06:17
Xylenes, Total	ND		1.0	ug/L	1	30-Nov-2022 06:17
Surr: 1,2-Dichloroethane-d4	*85.5*		*70-126*	*%REC*	*1*	*30-Nov-2022 06:17*
Surr: 4-Bromofluorobenzene	*103*		*77-113*	*%REC*	*1*	*30-Nov-2022 06:17*
Surr: Dibromofluoromethane	*93.0*		*77-123*	*%REC*	*1*	*30-Nov-2022 06:17*
Surr: Toluene-d8	*93.4*		*82-127*	*%REC*	*1*	*30-Nov-2022 06:17*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-21
Collection Date: 18-Nov-2022 11:41

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-12
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.833	ug/L	1	29-Nov-2022 16:53
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 16:53
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 16:53
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 16:53
Surr: 2-Fluorobiphenyl	*89.2*		*40-125*	*%REC*	*1*	*29-Nov-2022 16:53*
Surr: 4-Terphenyl-d14	*103*		*40-135*	*%REC*	*1*	*29-Nov-2022 16:53*
Surr: Nitrobenzene-d5	*68.8*		*41-120*	*%REC*	*1*	*29-Nov-2022 16:53*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 05:36
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 05:36

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: 8260 Trip Blank CG-102122-110
Collection Date: 18-Nov-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-13
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,1,1-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,1,2-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,1-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,1-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,1-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,2,3-Trichloropropane	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,2-Dibromoethane	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,2-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,2-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,3-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,3-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 16:57
1,4-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:57
2,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 16:57
2-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 16:57
4-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 16:57
4-Isopropyltoluene	ND		1.0	ug/L	1	28-Nov-2022 16:57
Acetone	ND		2.0	ug/L	1	28-Nov-2022 16:57
Benzene	ND		1.0	ug/L	1	28-Nov-2022 16:57
Bromobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:57
Bromodichloromethane	ND		1.0	ug/L	1	28-Nov-2022 16:57
Bromoform	ND		1.0	ug/L	1	28-Nov-2022 16:57
Bromomethane	ND		1.0	ug/L	1	28-Nov-2022 16:57
Carbon disulfide	ND		2.0	ug/L	1	28-Nov-2022 16:57
Carbon tetrachloride	ND		1.0	ug/L	1	28-Nov-2022 16:57
Chlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 16:57
Chloroethane	ND		1.0	ug/L	1	28-Nov-2022 16:57
Chloroform	ND		1.0	ug/L	1	28-Nov-2022 16:57
Chloromethane	ND		1.0	ug/L	1	28-Nov-2022 16:57
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 16:57
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 16:57

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: 8260 Trip Blank CG-102122-110
Collection Date: 18-Nov-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-13
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	28-Nov-2022 16:57
Dibromochloromethane	ND		1.0	ug/L	1	28-Nov-2022 16:57
Dichlorodifluoromethane	ND		1.0	ug/L	1	28-Nov-2022 16:57
Ethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:57
Hexachlorobutadiene	ND		1.0	ug/L	1	28-Nov-2022 16:57
Isopropylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:57
m,p-Xylene	ND		2.0	ug/L	1	28-Nov-2022 16:57
Methyl acetate	ND		1.0	ug/L	1	28-Nov-2022 16:57
2-Hexanone	ND		2.0	ug/L	1	28-Nov-2022 16:57
2-Butanone	ND		2.0	ug/L	1	28-Nov-2022 16:57
4-Methyl-2-pentanone	ND		2.0	ug/L	1	28-Nov-2022 16:57
Methyl tert-butyl ether	ND		1.0	ug/L	1	28-Nov-2022 16:57
Methylcyclohexane	ND		1.0	ug/L	1	28-Nov-2022 16:57
Methylene chloride	ND		2.0	ug/L	1	28-Nov-2022 16:57
n-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:57
n-Propylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:57
Naphthalene	ND		1.0	ug/L	1	28-Nov-2022 16:57
o-Xylene	ND		1.0	ug/L	1	28-Nov-2022 16:57
sec-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:57
Styrene	ND		1.0	ug/L	1	28-Nov-2022 16:57
tert-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 16:57
Tetrachloroethene	ND		1.0	ug/L	1	28-Nov-2022 16:57
Toluene	ND		1.0	ug/L	1	28-Nov-2022 16:57
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 16:57
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 16:57
Trichloroethene	ND		1.0	ug/L	1	28-Nov-2022 16:57
Trichlorofluoromethane	ND		1.0	ug/L	1	28-Nov-2022 16:57
Vinyl chloride	ND		1.0	ug/L	1	28-Nov-2022 16:57
Xylenes, Total	ND		1.0	ug/L	1	28-Nov-2022 16:57
Surr: 1,2-Dichloroethane-d4	*94.2*		*70-126*	*%REC*	*1*	*28-Nov-2022 16:57*
Surr: 4-Bromofluorobenzene	*100*		*77-113*	*%REC*	*1*	*28-Nov-2022 16:57*
Surr: Dibromofluoromethane	*102*		*77-123*	*%REC*	*1*	*28-Nov-2022 16:57*
Surr: Toluene-d8	*94.2*		*82-127*	*%REC*	*1*	*28-Nov-2022 16:57*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: 8011 Trip Blank CG-102-122-111
Collection Date: 18-Nov-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-14
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
EDB-123TCP BY SW8011	**Method:SW8011**			Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 05:59
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 05:59

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-14
Collection Date: 18-Nov-2022 14:45

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-15
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,1,1-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,1,2-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,1-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,1-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,1-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,2,3-Trichloropropane	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,2-Dibromoethane	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,2-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,2-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,3-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,3-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 06:40
1,4-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 06:40
2,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 06:40
2-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 06:40
4-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 06:40
4-Isopropyltoluene	ND		1.0	ug/L	1	30-Nov-2022 06:40
Acetone	ND		2.0	ug/L	1	30-Nov-2022 06:40
Benzene	ND		1.0	ug/L	1	30-Nov-2022 06:40
Bromobenzene	ND		1.0	ug/L	1	30-Nov-2022 06:40
Bromodichloromethane	ND		1.0	ug/L	1	30-Nov-2022 06:40
Bromoform	ND		1.0	ug/L	1	30-Nov-2022 06:40
Bromomethane	ND		1.0	ug/L	1	30-Nov-2022 06:40
Carbon disulfide	ND		2.0	ug/L	1	30-Nov-2022 06:40
Carbon tetrachloride	ND		1.0	ug/L	1	30-Nov-2022 06:40
Chlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 06:40
Chloroethane	ND		1.0	ug/L	1	30-Nov-2022 06:40
Chloroform	ND		1.0	ug/L	1	30-Nov-2022 06:40
Chloromethane	ND		1.0	ug/L	1	30-Nov-2022 06:40
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 06:40
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 06:40

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-14
Collection Date: 18-Nov-2022 14:45

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-15
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	30-Nov-2022 06:40
Dibromochloromethane	ND		1.0	ug/L	1	30-Nov-2022 06:40
Dichlorodifluoromethane	ND		1.0	ug/L	1	30-Nov-2022 06:40
Ethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 06:40
Hexachlorobutadiene	ND		1.0	ug/L	1	30-Nov-2022 06:40
Isopropylbenzene	ND		1.0	ug/L	1	30-Nov-2022 06:40
m,p-Xylene	ND		2.0	ug/L	1	30-Nov-2022 06:40
Methyl acetate	ND		1.0	ug/L	1	30-Nov-2022 06:40
2-Hexanone	ND		2.0	ug/L	1	30-Nov-2022 06:40
2-Butanone	ND		2.0	ug/L	1	30-Nov-2022 06:40
4-Methyl-2-pentanone	ND		2.0	ug/L	1	30-Nov-2022 06:40
Methyl tert-butyl ether	ND		1.0	ug/L	1	30-Nov-2022 06:40
Methylcyclohexane	ND		1.0	ug/L	1	30-Nov-2022 06:40
Methylene chloride	ND		2.0	ug/L	1	30-Nov-2022 06:40
n-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 06:40
n-Propylbenzene	ND		1.0	ug/L	1	30-Nov-2022 06:40
o-Xylene	ND		1.0	ug/L	1	30-Nov-2022 06:40
sec-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 06:40
Styrene	ND		1.0	ug/L	1	30-Nov-2022 06:40
tert-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 06:40
Tetrachloroethene	ND		1.0	ug/L	1	30-Nov-2022 06:40
Toluene	ND		1.0	ug/L	1	30-Nov-2022 06:40
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 06:40
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 06:40
Trichloroethene	ND		1.0	ug/L	1	30-Nov-2022 06:40
Trichlorofluoromethane	ND		1.0	ug/L	1	30-Nov-2022 06:40
Vinyl chloride	ND		1.0	ug/L	1	30-Nov-2022 06:40
Xylenes, Total	ND		1.0	ug/L	1	30-Nov-2022 06:40
Surr: 1,2-Dichloroethane-d4	*88.6*		*70-126*	*%REC*	*1*	*30-Nov-2022 06:40*
Surr: 4-Bromofluorobenzene	*102*		*77-113*	*%REC*	*1*	*30-Nov-2022 06:40*
Surr: Dibromofluoromethane	*97.9*		*77-123*	*%REC*	*1*	*30-Nov-2022 06:40*
Surr: Toluene-d8	*92.1*		*82-127*	*%REC*	*1*	*30-Nov-2022 06:40*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-14
Collection Date: 18-Nov-2022 14:45

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-15
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.833	ug/L	1	29-Nov-2022 17:12
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 17:12
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 17:12
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 17:12
Surr: 2-Fluorobiphenyl	*81.0*		*40-125*	*%REC*	*1*	*29-Nov-2022 17:12*
Surr: 4-Terphenyl-d14	*94.8*		*40-135*	*%REC*	*1*	*29-Nov-2022 17:12*
Surr: Nitrobenzene-d5	*65.1*		*41-120*	*%REC*	*1*	*29-Nov-2022 17:12*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 06:22
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 06:22

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: ESP Equipment Rinsate ESP PUMP
Collection Date: 20-Nov-2022 11:30

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-16
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,1,1-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,1,2-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,1-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,1-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,1-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,2,3-Trichloropropane	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,2-Dibromoethane	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,2-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,2-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,3-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,3-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 14:11
1,4-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 14:11
2,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 14:11
2-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 14:11
4-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 14:11
4-Isopropyltoluene	ND		1.0	ug/L	1	30-Nov-2022 14:11
Acetone	ND		2.0	ug/L	1	30-Nov-2022 14:11
Benzene	ND		1.0	ug/L	1	30-Nov-2022 14:11
Bromobenzene	ND		1.0	ug/L	1	30-Nov-2022 14:11
Bromodichloromethane	ND		1.0	ug/L	1	30-Nov-2022 14:11
Bromoform	ND		1.0	ug/L	1	30-Nov-2022 14:11
Bromomethane	ND		1.0	ug/L	1	30-Nov-2022 14:11
Carbon disulfide	ND		2.0	ug/L	1	30-Nov-2022 14:11
Carbon tetrachloride	ND		1.0	ug/L	1	30-Nov-2022 14:11
Chlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 14:11
Chloroethane	ND		1.0	ug/L	1	30-Nov-2022 14:11
Chloroform	ND		1.0	ug/L	1	30-Nov-2022 14:11
Chloromethane	ND		1.0	ug/L	1	30-Nov-2022 14:11
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 14:11
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 14:11

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: ESP Equipment Rinsate ESP PUMP
Collection Date: 20-Nov-2022 11:30

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-16
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**				Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	30-Nov-2022 14:11
Dibromochloromethane	**2.1**		**1.0**	**ug/L**	1	30-Nov-2022 14:11
Dichlorodifluoromethane	ND		1.0	ug/L	1	30-Nov-2022 14:11
Ethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 14:11
Hexachlorobutadiene	ND		1.0	ug/L	1	30-Nov-2022 14:11
Isopropylbenzene	ND		1.0	ug/L	1	30-Nov-2022 14:11
m,p-Xylene	ND		2.0	ug/L	1	30-Nov-2022 14:11
Methyl acetate	ND		1.0	ug/L	1	30-Nov-2022 14:11
2-Hexanone	ND		2.0	ug/L	1	30-Nov-2022 14:11
2-Butanone	ND		2.0	ug/L	1	30-Nov-2022 14:11
4-Methyl-2-pentanone	ND		2.0	ug/L	1	30-Nov-2022 14:11
Methyl tert-butyl ether	ND		1.0	ug/L	1	30-Nov-2022 14:11
Methylcyclohexane	ND		1.0	ug/L	1	30-Nov-2022 14:11
Methylene chloride	ND		2.0	ug/L	1	30-Nov-2022 14:11
n-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 14:11
n-Propylbenzene	ND		1.0	ug/L	1	30-Nov-2022 14:11
o-Xylene	ND		1.0	ug/L	1	30-Nov-2022 14:11
sec-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 14:11
Styrene	ND		1.0	ug/L	1	30-Nov-2022 14:11
tert-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 14:11
Tetrachloroethene	ND		1.0	ug/L	1	30-Nov-2022 14:11
Toluene	ND		1.0	ug/L	1	30-Nov-2022 14:11
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 14:11
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 14:11
Trichloroethene	ND		1.0	ug/L	1	30-Nov-2022 14:11
Trichlorofluoromethane	ND		1.0	ug/L	1	30-Nov-2022 14:11
Vinyl chloride	ND		1.0	ug/L	1	30-Nov-2022 14:11
Xylenes, Total	ND		1.0	ug/L	1	30-Nov-2022 14:11
Surr: 1,2-Dichloroethane-d4	*89.3*		*70-126*	*%REC*	*1*	*30-Nov-2022 14:11*
Surr: 4-Bromofluorobenzene	*104*		*77-113*	*%REC*	*1*	*30-Nov-2022 14:11*
Surr: Dibromofluoromethane	*99.8*		*77-123*	*%REC*	*1*	*30-Nov-2022 14:11*
Surr: Toluene-d8	*93.0*		*82-127*	*%REC*	*1*	*30-Nov-2022 14:11*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: ESP Equipment Rinsate ESP PUMP
Collection Date: 20-Nov-2022 11:30

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-16
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.833	ug/L	1	29-Nov-2022 17:31
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 17:31
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 17:31
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 17:31
Surr: 2-Fluorobiphenyl	*86.1*		*40-125*	*%REC*	*1*	*29-Nov-2022 17:31*
Surr: 4-Terphenyl-d14	*99.0*		*40-135*	*%REC*	*1*	*29-Nov-2022 17:31*
Surr: Nitrobenzene-d5	*65.7*		*41-120*	*%REC*	*1*	*29-Nov-2022 17:31*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 06:46
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 06:46

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-22
Collection Date: 20-Nov-2022 12:56

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-17
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**				Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,1,1-Trichloroethane	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,1,2-Trichloroethane	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,1-Dichloroethane	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,1-Dichloroethene	**1.8**		**1.0**	**ug/L**	1	01-Dec-2022 04:56
1,1-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,2,3-Trichloropropane	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,2-Dibromoethane	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,2-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,2-Dichloroethane	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,2-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,3-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,3-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 04:56
1,4-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 04:56
2,2-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 04:56
2-Chlorotoluene	ND		1.0	ug/L	1	01-Dec-2022 04:56
4-Chlorotoluene	ND		1.0	ug/L	1	01-Dec-2022 04:56
4-Isopropyltoluene	ND		1.0	ug/L	1	01-Dec-2022 04:56
Acetone	ND		2.0	ug/L	1	01-Dec-2022 04:56
Benzene	ND		1.0	ug/L	1	01-Dec-2022 04:56
Bromobenzene	ND		1.0	ug/L	1	01-Dec-2022 04:56
Bromodichloromethane	ND		1.0	ug/L	1	01-Dec-2022 04:56
Bromoform	ND		1.0	ug/L	1	01-Dec-2022 04:56
Bromomethane	ND		1.0	ug/L	1	01-Dec-2022 04:56
Carbon disulfide	ND		2.0	ug/L	1	01-Dec-2022 04:56
Carbon tetrachloride	ND		1.0	ug/L	1	01-Dec-2022 04:56
Chlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 04:56
Chloroethane	ND		1.0	ug/L	1	01-Dec-2022 04:56
Chloroform	ND		1.0	ug/L	1	01-Dec-2022 04:56
Chloromethane	ND		1.0	ug/L	1	01-Dec-2022 04:56
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	01-Dec-2022 04:56
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 04:56

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-22
Collection Date: 20-Nov-2022 12:56

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-17
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**				Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	01-Dec-2022 04:56
Dibromochloromethane	ND		1.0	ug/L	1	01-Dec-2022 04:56
Dichlorodifluoromethane	ND		1.0	ug/L	1	01-Dec-2022 04:56
Ethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 04:56
Hexachlorobutadiene	ND		1.0	ug/L	1	01-Dec-2022 04:56
Isopropylbenzene	ND		1.0	ug/L	1	01-Dec-2022 04:56
m,p-Xylene	ND		2.0	ug/L	1	01-Dec-2022 04:56
Methyl acetate	ND		1.0	ug/L	1	01-Dec-2022 04:56
2-Hexanone	ND		2.0	ug/L	1	01-Dec-2022 04:56
2-Butanone	ND		2.0	ug/L	1	01-Dec-2022 04:56
4-Methyl-2-pentanone	ND		2.0	ug/L	1	01-Dec-2022 04:56
Methyl tert-butyl ether	ND		1.0	ug/L	1	01-Dec-2022 04:56
Methylcyclohexane	ND		1.0	ug/L	1	01-Dec-2022 04:56
Methylene chloride	ND		2.0	ug/L	1	01-Dec-2022 04:56
n-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 04:56
n-Propylbenzene	ND		1.0	ug/L	1	01-Dec-2022 04:56
o-Xylene	ND		1.0	ug/L	1	01-Dec-2022 04:56
sec-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 04:56
Styrene	ND		1.0	ug/L	1	01-Dec-2022 04:56
tert-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 04:56
Tetrachloroethene	ND		1.0	ug/L	1	01-Dec-2022 04:56
Toluene	ND		1.0	ug/L	1	01-Dec-2022 04:56
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	01-Dec-2022 04:56
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 04:56
Trichloroethene	ND		1.0	ug/L	1	01-Dec-2022 04:56
Trichlorofluoromethane	ND		1.0	ug/L	1	01-Dec-2022 04:56
Vinyl chloride	ND		1.0	ug/L	1	01-Dec-2022 04:56
Xylenes, Total	ND		1.0	ug/L	1	01-Dec-2022 04:56
Surr: 1,2-Dichloroethane-d4	*85.9*		*70-126*	*%REC*	*1*	*01-Dec-2022 04:56*
Surr: 4-Bromofluorobenzene	*105*		*77-113*	*%REC*	*1*	*01-Dec-2022 04:56*
Surr: Dibromofluoromethane	*91.4*		*77-123*	*%REC*	*1*	*01-Dec-2022 04:56*
Surr: Toluene-d8	*94.8*		*82-127*	*%REC*	*1*	*01-Dec-2022 04:56*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-22
Collection Date: 20-Nov-2022 12:56

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-17
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.833	ug/L	1	29-Nov-2022 17:50
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 17:50
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 17:50
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 17:50
Surr: 2-Fluorobiphenyl	*89.7*		*40-125*	*%REC*	*1*	*29-Nov-2022 17:50*
Surr: 4-Terphenyl-d14	*107*		*40-135*	*%REC*	*1*	*29-Nov-2022 17:50*
Surr: Nitrobenzene-d5	*68.0*		*41-120*	*%REC*	*1*	*29-Nov-2022 17:50*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 08:20
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 08:20

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-22 Duplicate
Collection Date: 20-Nov-2022 12:56

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-18
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**				Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,1,1-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,1,2-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,1-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,1-Dichloroethene	**1.8**		**1.0**	**ug/L**	1	30-Nov-2022 20:41
1,1-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,2,3-Trichloropropane	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,2-Dibromoethane	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,2-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,2-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,3-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,3-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 20:41
1,4-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 20:41
2,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 20:41
2-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 20:41
4-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 20:41
4-Isopropyltoluene	ND		1.0	ug/L	1	30-Nov-2022 20:41
Acetone	ND		2.0	ug/L	1	30-Nov-2022 20:41
Benzene	ND		1.0	ug/L	1	30-Nov-2022 20:41
Bromobenzene	ND		1.0	ug/L	1	30-Nov-2022 20:41
Bromodichloromethane	ND		1.0	ug/L	1	30-Nov-2022 20:41
Bromoform	ND		1.0	ug/L	1	30-Nov-2022 20:41
Bromomethane	ND		1.0	ug/L	1	30-Nov-2022 20:41
Carbon disulfide	ND		2.0	ug/L	1	30-Nov-2022 20:41
Carbon tetrachloride	ND		1.0	ug/L	1	30-Nov-2022 20:41
Chlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 20:41
Chloroethane	ND		1.0	ug/L	1	30-Nov-2022 20:41
Chloroform	ND		1.0	ug/L	1	30-Nov-2022 20:41
Chloromethane	ND		1.0	ug/L	1	30-Nov-2022 20:41
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 20:41
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 20:41

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-22 Duplicate
Collection Date: 20-Nov-2022 12:56

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-18
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	30-Nov-2022 20:41
Dibromochloromethane	ND		1.0	ug/L	1	30-Nov-2022 20:41
Dichlorodifluoromethane	ND		1.0	ug/L	1	30-Nov-2022 20:41
Ethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 20:41
Hexachlorobutadiene	ND		1.0	ug/L	1	30-Nov-2022 20:41
Isopropylbenzene	ND		1.0	ug/L	1	30-Nov-2022 20:41
m,p-Xylene	ND		2.0	ug/L	1	30-Nov-2022 20:41
Methyl acetate	ND		1.0	ug/L	1	30-Nov-2022 20:41
2-Hexanone	ND		2.0	ug/L	1	30-Nov-2022 20:41
2-Butanone	ND		2.0	ug/L	1	30-Nov-2022 20:41
4-Methyl-2-pentanone	ND		2.0	ug/L	1	30-Nov-2022 20:41
Methyl tert-butyl ether	ND		1.0	ug/L	1	30-Nov-2022 20:41
Methylcyclohexane	ND		1.0	ug/L	1	30-Nov-2022 20:41
Methylene chloride	ND		2.0	ug/L	1	30-Nov-2022 20:41
n-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 20:41
n-Propylbenzene	ND		1.0	ug/L	1	30-Nov-2022 20:41
o-Xylene	ND		1.0	ug/L	1	30-Nov-2022 20:41
sec-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 20:41
Styrene	ND		1.0	ug/L	1	30-Nov-2022 20:41
tert-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 20:41
Tetrachloroethene	ND		1.0	ug/L	1	30-Nov-2022 20:41
Toluene	ND		1.0	ug/L	1	30-Nov-2022 20:41
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 20:41
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 20:41
Trichloroethene	ND		1.0	ug/L	1	30-Nov-2022 20:41
Trichlorofluoromethane	ND		1.0	ug/L	1	30-Nov-2022 20:41
Vinyl chloride	ND		1.0	ug/L	1	30-Nov-2022 20:41
Xylenes, Total	ND		1.0	ug/L	1	30-Nov-2022 20:41
Surr: 1,2-Dichloroethane-d4	*80.5*		*70-126*	*%REC*	*1*	*30-Nov-2022 20:41*
Surr: 4-Bromofluorobenzene	*101*		*77-113*	*%REC*	*1*	*30-Nov-2022 20:41*
Surr: Dibromofluoromethane	*93.3*		*77-123*	*%REC*	*1*	*30-Nov-2022 20:41*
Surr: Toluene-d8	*91.2*		*82-127*	*%REC*	*1*	*30-Nov-2022 20:41*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-22 Duplicate
Collection Date: 20-Nov-2022 12:56

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-18
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.833	ug/L	1	29-Nov-2022 18:09
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 18:09
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 18:09
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 18:09
Surr: 2-Fluorobiphenyl	*90.4*		*40-125*	*%REC*	*1*	*29-Nov-2022 18:09*
Surr: 4-Terphenyl-d14	*109*		*40-135*	*%REC*	*1*	*29-Nov-2022 18:09*
Surr: Nitrobenzene-d5	*66.1*		*41-120*	*%REC*	*1*	*29-Nov-2022 18:09*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 08:43
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 08:43

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: 8260 Trip Blank CG-102122-106
Collection Date: 20-Nov-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-19
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,1,1-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,1,2-Trichloroethane	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,1-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,1-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,1-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,2,3-Trichloropropane	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,2-Dibromoethane	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,2-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,2-Dichloroethane	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,3-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,3-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 17:19
1,4-Dichlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 17:19
2,2-Dichloropropane	ND		1.0	ug/L	1	28-Nov-2022 17:19
2-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 17:19
4-Chlorotoluene	ND		1.0	ug/L	1	28-Nov-2022 17:19
4-Isopropyltoluene	ND		1.0	ug/L	1	28-Nov-2022 17:19
Acetone	ND		2.0	ug/L	1	28-Nov-2022 17:19
Benzene	ND		1.0	ug/L	1	28-Nov-2022 17:19
Bromobenzene	ND		1.0	ug/L	1	28-Nov-2022 17:19
Bromodichloromethane	ND		1.0	ug/L	1	28-Nov-2022 17:19
Bromoform	ND		1.0	ug/L	1	28-Nov-2022 17:19
Bromomethane	ND		1.0	ug/L	1	28-Nov-2022 17:19
Carbon disulfide	ND		2.0	ug/L	1	28-Nov-2022 17:19
Carbon tetrachloride	ND		1.0	ug/L	1	28-Nov-2022 17:19
Chlorobenzene	ND		1.0	ug/L	1	28-Nov-2022 17:19
Chloroethane	ND		1.0	ug/L	1	28-Nov-2022 17:19
Chloroform	ND		1.0	ug/L	1	28-Nov-2022 17:19
Chloromethane	ND		1.0	ug/L	1	28-Nov-2022 17:19
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 17:19
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 17:19

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: 8260 Trip Blank CG-102122-106
Collection Date: 20-Nov-2022 00:00

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-19
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	28-Nov-2022 17:19
Dibromochloromethane	ND		1.0	ug/L	1	28-Nov-2022 17:19
Dichlorodifluoromethane	ND		1.0	ug/L	1	28-Nov-2022 17:19
Ethylbenzene	ND		1.0	ug/L	1	28-Nov-2022 17:19
Hexachlorobutadiene	ND		1.0	ug/L	1	28-Nov-2022 17:19
Isopropylbenzene	ND		1.0	ug/L	1	28-Nov-2022 17:19
m,p-Xylene	ND		2.0	ug/L	1	28-Nov-2022 17:19
Methyl acetate	ND		1.0	ug/L	1	28-Nov-2022 17:19
2-Hexanone	ND		2.0	ug/L	1	28-Nov-2022 17:19
2-Butanone	ND		2.0	ug/L	1	28-Nov-2022 17:19
4-Methyl-2-pentanone	ND		2.0	ug/L	1	28-Nov-2022 17:19
Methyl tert-butyl ether	ND		1.0	ug/L	1	28-Nov-2022 17:19
Methylcyclohexane	ND		1.0	ug/L	1	28-Nov-2022 17:19
Methylene chloride	ND		2.0	ug/L	1	28-Nov-2022 17:19
n-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 17:19
n-Propylbenzene	ND		1.0	ug/L	1	28-Nov-2022 17:19
Naphthalene	ND		1.0	ug/L	1	28-Nov-2022 17:19
o-Xylene	ND		1.0	ug/L	1	28-Nov-2022 17:19
sec-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 17:19
Styrene	ND		1.0	ug/L	1	28-Nov-2022 17:19
tert-Butylbenzene	ND		1.0	ug/L	1	28-Nov-2022 17:19
Tetrachloroethene	ND		1.0	ug/L	1	28-Nov-2022 17:19
Toluene	ND		1.0	ug/L	1	28-Nov-2022 17:19
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	28-Nov-2022 17:19
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	28-Nov-2022 17:19
Trichloroethene	ND		1.0	ug/L	1	28-Nov-2022 17:19
Trichlorofluoromethane	ND		1.0	ug/L	1	28-Nov-2022 17:19
Vinyl chloride	ND		1.0	ug/L	1	28-Nov-2022 17:19
Xylenes, Total	ND		1.0	ug/L	1	28-Nov-2022 17:19
Surr: 1,2-Dichloroethane-d4	*95.7*		*70-126*	*%REC*	*1*	*28-Nov-2022 17:19*
Surr: 4-Bromofluorobenzene	*99.9*		*77-113*	*%REC*	*1*	*28-Nov-2022 17:19*
Surr: Dibromofluoromethane	*108*		*77-123*	*%REC*	*1*	*28-Nov-2022 17:19*
Surr: Toluene-d8	*91.6*		*82-127*	*%REC*	*1*	*28-Nov-2022 17:19*

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

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ALS Houston, US Date: 09-Dec-22

Client:	WSP USA	**ANALYTICAL REPORT**	
Project:	Energy Transfer Roswell GW	WorkOrder:HS22111328	
Sample ID:	8011 Trip Blank CG-102122-107	Lab ID:HS22111328-20	
Collection Date:	20-Nov-2022 00:00	Matrix:Water	

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
EDB-123TCP BY SW8011	**Method:SW8011**			Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 09:07
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 09:07

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-20
Collection Date: 20-Nov-2022 13:40

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-21
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**				Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,1,1-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,1,2-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,1-Dichloroethane	**3.2**		**1.0**	**ug/L**	1	30-Nov-2022 21:03
1,1-Dichloroethene	**1.6**		**1.0**	**ug/L**	1	30-Nov-2022 21:03
1,1-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,2,3-Trichloropropane	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,2-Dibromoethane	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,2-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,2-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,3-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,3-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 21:03
1,4-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:03
2,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 21:03
2-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 21:03
4-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 21:03
4-Isopropyltoluene	ND		1.0	ug/L	1	30-Nov-2022 21:03
Acetone	ND		2.0	ug/L	1	30-Nov-2022 21:03
Benzene	ND		1.0	ug/L	1	30-Nov-2022 21:03
Bromobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:03
Bromodichloromethane	ND		1.0	ug/L	1	30-Nov-2022 21:03
Bromoform	ND		1.0	ug/L	1	30-Nov-2022 21:03
Bromomethane	ND		1.0	ug/L	1	30-Nov-2022 21:03
Carbon disulfide	ND		2.0	ug/L	1	30-Nov-2022 21:03
Carbon tetrachloride	ND		1.0	ug/L	1	30-Nov-2022 21:03
Chlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:03
Chloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:03
Chloroform	ND		1.0	ug/L	1	30-Nov-2022 21:03
Chloromethane	ND		1.0	ug/L	1	30-Nov-2022 21:03
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 21:03
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 21:03

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-20
Collection Date: 20-Nov-2022 13:40

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-21
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	30-Nov-2022 21:03
Dibromochloromethane	ND		1.0	ug/L	1	30-Nov-2022 21:03
Dichlorodifluoromethane	ND		1.0	ug/L	1	30-Nov-2022 21:03
Ethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:03
Hexachlorobutadiene	ND		1.0	ug/L	1	30-Nov-2022 21:03
Isopropylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:03
m,p-Xylene	ND		2.0	ug/L	1	30-Nov-2022 21:03
Methyl acetate	ND		1.0	ug/L	1	30-Nov-2022 21:03
2-Hexanone	ND		2.0	ug/L	1	30-Nov-2022 21:03
2-Butanone	ND		2.0	ug/L	1	30-Nov-2022 21:03
4-Methyl-2-pentanone	ND		2.0	ug/L	1	30-Nov-2022 21:03
Methyl tert-butyl ether	ND		1.0	ug/L	1	30-Nov-2022 21:03
Methylcyclohexane	ND		1.0	ug/L	1	30-Nov-2022 21:03
Methylene chloride	ND		2.0	ug/L	1	30-Nov-2022 21:03
n-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:03
n-Propylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:03
o-Xylene	ND		1.0	ug/L	1	30-Nov-2022 21:03
sec-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:03
Styrene	ND		1.0	ug/L	1	30-Nov-2022 21:03
tert-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:03
Tetrachloroethene	ND		1.0	ug/L	1	30-Nov-2022 21:03
Toluene	ND		1.0	ug/L	1	30-Nov-2022 21:03
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 21:03
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 21:03
Trichloroethene	ND		1.0	ug/L	1	30-Nov-2022 21:03
Trichlorofluoromethane	ND		1.0	ug/L	1	30-Nov-2022 21:03
Vinyl chloride	ND		1.0	ug/L	1	30-Nov-2022 21:03
Xylenes, Total	ND		1.0	ug/L	1	30-Nov-2022 21:03
Surr: 1,2-Dichloroethane-d4	*80.4*		*70-126*	*%REC*	*1*	*30-Nov-2022 21:03*
Surr: 4-Bromofluorobenzene	*101*		*77-113*	*%REC*	*1*	*30-Nov-2022 21:03*
Surr: Dibromofluoromethane	*93.4*		*77-123*	*%REC*	*1*	*30-Nov-2022 21:03*
Surr: Toluene-d8	*88.4*		*82-127*	*%REC*	*1*	*30-Nov-2022 21:03*

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-20
Collection Date: 20-Nov-2022 13:40

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-21
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.833	ug/L	1	29-Nov-2022 18:28
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 18:28
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 18:28
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 18:28
Surr: 2-Fluorobiphenyl	*94.4*		*40-125*	*%REC*	*1*	*29-Nov-2022 18:28*
Surr: 4-Terphenyl-d14	*110*		*40-135*	*%REC*	*1*	*29-Nov-2022 18:28*
Surr: Nitrobenzene-d5	*73.2*		*41-120*	*%REC*	*1*	*29-Nov-2022 18:28*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 09:30
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 09:30

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-26
Collection Date: 20-Nov-2022 14:03

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-22
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**				Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,1,1-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,1,2-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,1-Dichloroethane	**5.5**		**1.0**	**ug/L**	1	30-Nov-2022 21:26
1,1-Dichloroethene	**31**		**1.0**	**ug/L**	1	30-Nov-2022 21:26
1,1-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,2,3-Trichloropropane	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,2-Dibromoethane	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,2-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,2-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,3-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,3-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 21:26
1,4-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:26
2,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 21:26
2-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 21:26
4-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 21:26
4-Isopropyltoluene	ND		1.0	ug/L	1	30-Nov-2022 21:26
Acetone	ND		2.0	ug/L	1	30-Nov-2022 21:26
Benzene	ND		1.0	ug/L	1	30-Nov-2022 21:26
Bromobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:26
Bromodichloromethane	ND		1.0	ug/L	1	30-Nov-2022 21:26
Bromoform	ND		1.0	ug/L	1	30-Nov-2022 21:26
Bromomethane	ND		1.0	ug/L	1	30-Nov-2022 21:26
Carbon disulfide	ND		2.0	ug/L	1	30-Nov-2022 21:26
Carbon tetrachloride	ND		1.0	ug/L	1	30-Nov-2022 21:26
Chlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:26
Chloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:26
Chloroform	ND		1.0	ug/L	1	30-Nov-2022 21:26
Chloromethane	ND		1.0	ug/L	1	30-Nov-2022 21:26
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 21:26
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 21:26

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-26
Collection Date: 20-Nov-2022 14:03

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-22
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	30-Nov-2022 21:26
Dibromochloromethane	ND		1.0	ug/L	1	30-Nov-2022 21:26
Dichlorodifluoromethane	ND		1.0	ug/L	1	30-Nov-2022 21:26
Ethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:26
Hexachlorobutadiene	ND		1.0	ug/L	1	30-Nov-2022 21:26
Isopropylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:26
m,p-Xylene	ND		2.0	ug/L	1	30-Nov-2022 21:26
Methyl acetate	ND		1.0	ug/L	1	30-Nov-2022 21:26
2-Hexanone	ND		2.0	ug/L	1	30-Nov-2022 21:26
2-Butanone	ND		2.0	ug/L	1	30-Nov-2022 21:26
4-Methyl-2-pentanone	ND		2.0	ug/L	1	30-Nov-2022 21:26
Methyl tert-butyl ether	ND		1.0	ug/L	1	30-Nov-2022 21:26
Methylcyclohexane	ND		1.0	ug/L	1	30-Nov-2022 21:26
Methylene chloride	ND		2.0	ug/L	1	30-Nov-2022 21:26
n-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:26
n-Propylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:26
o-Xylene	ND		1.0	ug/L	1	30-Nov-2022 21:26
sec-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:26
Styrene	ND		1.0	ug/L	1	30-Nov-2022 21:26
tert-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:26
Tetrachloroethene	ND		1.0	ug/L	1	30-Nov-2022 21:26
Toluene	ND		1.0	ug/L	1	30-Nov-2022 21:26
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 21:26
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 21:26
Trichloroethene	ND		1.0	ug/L	1	30-Nov-2022 21:26
Trichlorofluoromethane	ND		1.0	ug/L	1	30-Nov-2022 21:26
Vinyl chloride	ND		1.0	ug/L	1	30-Nov-2022 21:26
Xylenes, Total	ND		1.0	ug/L	1	30-Nov-2022 21:26
Surr: 1,2-Dichloroethane-d4	*81.6*		*70-126*	*%REC*	*1*	*30-Nov-2022 21:26*
Surr: 4-Bromofluorobenzene	*103*		*77-113*	*%REC*	*1*	*30-Nov-2022 21:26*
Surr: Dibromofluoromethane	*93.6*		*77-123*	*%REC*	*1*	*30-Nov-2022 21:26*
Surr: Toluene-d8	*92.1*		*82-127*	*%REC*	*1*	*30-Nov-2022 21:26*

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-26
Collection Date: 20-Nov-2022 14:03

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-22
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.833	ug/L	1	29-Nov-2022 18:47
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 18:47
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 18:47
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 18:47
Surr: 2-Fluorobiphenyl	*91.4*		*40-125*	*%REC*	*1*	*29-Nov-2022 18:47*
Surr: 4-Terphenyl-d14	*103*		*40-135*	*%REC*	*1*	*29-Nov-2022 18:47*
Surr: Nitrobenzene-d5	*68.6*		*41-120*	*%REC*	*1*	*29-Nov-2022 18:47*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 09:54
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 09:54

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-13
Collection Date: 20-Nov-2022 15:20

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-23
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,1,1-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,1,2-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,1-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,1-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,1-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,2,3-Trichloropropane	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,2-Dibromoethane	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,2-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,2-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,3-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,3-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 21:48
1,4-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:48
2,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 21:48
2-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 21:48
4-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 21:48
4-Isopropyltoluene	ND		1.0	ug/L	1	30-Nov-2022 21:48
Acetone	ND		2.0	ug/L	1	30-Nov-2022 21:48
Benzene	ND		1.0	ug/L	1	30-Nov-2022 21:48
Bromobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:48
Bromodichloromethane	ND		1.0	ug/L	1	30-Nov-2022 21:48
Bromoform	ND		1.0	ug/L	1	30-Nov-2022 21:48
Bromomethane	ND		1.0	ug/L	1	30-Nov-2022 21:48
Carbon disulfide	ND		2.0	ug/L	1	30-Nov-2022 21:48
Carbon tetrachloride	ND		1.0	ug/L	1	30-Nov-2022 21:48
Chlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 21:48
Chloroethane	ND		1.0	ug/L	1	30-Nov-2022 21:48
Chloroform	ND		1.0	ug/L	1	30-Nov-2022 21:48
Chloromethane	ND		1.0	ug/L	1	30-Nov-2022 21:48
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 21:48
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 21:48

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-13
Collection Date: 20-Nov-2022 15:20

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-23
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	30-Nov-2022 21:48
Dibromochloromethane	ND		1.0	ug/L	1	30-Nov-2022 21:48
Dichlorodifluoromethane	ND		1.0	ug/L	1	30-Nov-2022 21:48
Ethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:48
Hexachlorobutadiene	ND		1.0	ug/L	1	30-Nov-2022 21:48
Isopropylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:48
m,p-Xylene	ND		2.0	ug/L	1	30-Nov-2022 21:48
Methyl acetate	ND		1.0	ug/L	1	30-Nov-2022 21:48
2-Hexanone	ND		2.0	ug/L	1	30-Nov-2022 21:48
2-Butanone	ND		2.0	ug/L	1	30-Nov-2022 21:48
4-Methyl-2-pentanone	ND		2.0	ug/L	1	30-Nov-2022 21:48
Methyl tert-butyl ether	ND		1.0	ug/L	1	30-Nov-2022 21:48
Methylcyclohexane	ND		1.0	ug/L	1	30-Nov-2022 21:48
Methylene chloride	ND		2.0	ug/L	1	30-Nov-2022 21:48
n-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:48
n-Propylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:48
o-Xylene	ND		1.0	ug/L	1	30-Nov-2022 21:48
sec-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:48
Styrene	ND		1.0	ug/L	1	30-Nov-2022 21:48
tert-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 21:48
Tetrachloroethene	ND		1.0	ug/L	1	30-Nov-2022 21:48
Toluene	ND		1.0	ug/L	1	30-Nov-2022 21:48
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 21:48
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 21:48
Trichloroethene	ND		1.0	ug/L	1	30-Nov-2022 21:48
Trichlorofluoromethane	ND		1.0	ug/L	1	30-Nov-2022 21:48
Vinyl chloride	ND		1.0	ug/L	1	30-Nov-2022 21:48
Xylenes, Total	ND		1.0	ug/L	1	30-Nov-2022 21:48
Surr: 1,2-Dichloroethane-d4	*79.5*		*70-126*	*%REC*	*1*	*30-Nov-2022 21:48*
Surr: 4-Bromofluorobenzene	*103*		*77-113*	*%REC*	*1*	*30-Nov-2022 21:48*
Surr: Dibromofluoromethane	*92.5*		*77-123*	*%REC*	*1*	*30-Nov-2022 21:48*
Surr: Toluene-d8	*89.7*		*82-127*	*%REC*	*1*	*30-Nov-2022 21:48*

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-13
Collection Date: 20-Nov-2022 15:20

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-23
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.833	ug/L	1	29-Nov-2022 19:06
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 19:06
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 19:06
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 19:06
Surr: 2-Fluorobiphenyl	*88.4*		*40-125*	*%REC*	*1*	*29-Nov-2022 19:06*
Surr: 4-Terphenyl-d14	*107*		*40-135*	*%REC*	*1*	*29-Nov-2022 19:06*
Surr: Nitrobenzene-d5	*64.7*		*41-120*	*%REC*	*1*	*29-Nov-2022 19:06*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 10:17
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 10:17

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: SVE-28
Collection Date: 20-Nov-2022 15:47

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-24
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**				Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,1,1-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,1,2-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,1-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,1-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,1-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,2,3-Trichloropropane	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,2-Dibromoethane	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,2-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,2-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,3-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,3-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 22:11
1,4-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 22:11
2,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 22:11
2-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 22:11
4-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 22:11
4-Isopropyltoluene	ND		1.0	ug/L	1	30-Nov-2022 22:11
Acetone	**2.8**		**2.0**	**ug/L**	1	30-Nov-2022 22:11
Benzene	**3.7**		**1.0**	**ug/L**	1	30-Nov-2022 22:11
Bromobenzene	ND		1.0	ug/L	1	30-Nov-2022 22:11
Bromodichloromethane	ND		1.0	ug/L	1	30-Nov-2022 22:11
Bromoform	ND		1.0	ug/L	1	30-Nov-2022 22:11
Bromomethane	ND		1.0	ug/L	1	30-Nov-2022 22:11
Carbon disulfide	ND		2.0	ug/L	1	30-Nov-2022 22:11
Carbon tetrachloride	ND		1.0	ug/L	1	30-Nov-2022 22:11
Chlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 22:11
Chloroethane	ND		1.0	ug/L	1	30-Nov-2022 22:11
Chloroform	ND		1.0	ug/L	1	30-Nov-2022 22:11
Chloromethane	ND		1.0	ug/L	1	30-Nov-2022 22:11
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 22:11
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 22:11

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: SVE-28
Collection Date: 20-Nov-2022 15:47

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-24
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	30-Nov-2022 22:11
Dibromochloromethane	ND		1.0	ug/L	1	30-Nov-2022 22:11
Dichlorodifluoromethane	ND		1.0	ug/L	1	30-Nov-2022 22:11
Ethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 22:11
Hexachlorobutadiene	ND		1.0	ug/L	1	30-Nov-2022 22:11
Isopropylbenzene	ND		1.0	ug/L	1	30-Nov-2022 22:11
m,p-Xylene	ND		2.0	ug/L	1	30-Nov-2022 22:11
Methyl acetate	ND		1.0	ug/L	1	30-Nov-2022 22:11
2-Hexanone	ND		2.0	ug/L	1	30-Nov-2022 22:11
2-Butanone	ND		2.0	ug/L	1	30-Nov-2022 22:11
4-Methyl-2-pentanone	ND		2.0	ug/L	1	30-Nov-2022 22:11
Methyl tert-butyl ether	ND		1.0	ug/L	1	30-Nov-2022 22:11
Methylcyclohexane	ND		1.0	ug/L	1	30-Nov-2022 22:11
Methylene chloride	ND		2.0	ug/L	1	30-Nov-2022 22:11
n-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 22:11
n-Propylbenzene	ND		1.0	ug/L	1	30-Nov-2022 22:11
o-Xylene	ND		1.0	ug/L	1	30-Nov-2022 22:11
sec-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 22:11
Styrene	ND		1.0	ug/L	1	30-Nov-2022 22:11
tert-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 22:11
Tetrachloroethene	ND		1.0	ug/L	1	30-Nov-2022 22:11
Toluene	ND		1.0	ug/L	1	30-Nov-2022 22:11
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 22:11
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 22:11
Trichloroethene	ND		1.0	ug/L	1	30-Nov-2022 22:11
Trichlorofluoromethane	ND		1.0	ug/L	1	30-Nov-2022 22:11
Vinyl chloride	ND		1.0	ug/L	1	30-Nov-2022 22:11
Xylenes, Total	ND		1.0	ug/L	1	30-Nov-2022 22:11
Surr: 1,2-Dichloroethane-d4	*82.6*		*70-126*	*%REC*	*1*	*30-Nov-2022 22:11*
Surr: 4-Bromofluorobenzene	*101*		*77-113*	*%REC*	*1*	*30-Nov-2022 22:11*
Surr: Dibromofluoromethane	*94.1*		*77-123*	*%REC*	*1*	*30-Nov-2022 22:11*
Surr: Toluene-d8	*92.7*		*82-127*	*%REC*	*1*	*30-Nov-2022 22:11*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: SVE-28
Collection Date: 20-Nov-2022 15:47

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-24
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.870	ug/L	1	29-Nov-2022 19:25
1-Methylnaphthalene	ND		0.0870	ug/L	1	29-Nov-2022 19:25
2-Methylnaphthalene	ND		0.0870	ug/L	1	29-Nov-2022 19:25
Naphthalene	ND		0.0870	ug/L	1	29-Nov-2022 19:25
Surr: 2-Fluorobiphenyl	*85.9*		*40-125*	*%REC*	*1*	*29-Nov-2022 19:25*
Surr: 4-Terphenyl-d14	*96.2*		*40-135*	*%REC*	*1*	*29-Nov-2022 19:25*
Surr: Nitrobenzene-d5	*63.8*		*41-120*	*%REC*	*1*	*29-Nov-2022 19:25*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 10:41
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 10:41

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: ESP Pump Equipment Rinsate
Collection Date: 21-Nov-2022 07:30

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-25
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,1,1-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,1,2-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,1-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,1-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,1-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,2,3-Trichloropropane	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,2-Dibromoethane	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,2-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,2-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,3-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,3-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 22:33
1,4-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 22:33
2,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 22:33
2-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 22:33
4-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 22:33
4-Isopropyltoluene	ND		1.0	ug/L	1	30-Nov-2022 22:33
Acetone	ND		2.0	ug/L	1	30-Nov-2022 22:33
Benzene	ND		1.0	ug/L	1	30-Nov-2022 22:33
Bromobenzene	ND		1.0	ug/L	1	30-Nov-2022 22:33
Bromodichloromethane	ND		1.0	ug/L	1	30-Nov-2022 22:33
Bromoform	ND		1.0	ug/L	1	30-Nov-2022 22:33
Bromomethane	ND		1.0	ug/L	1	30-Nov-2022 22:33
Carbon disulfide	ND		2.0	ug/L	1	30-Nov-2022 22:33
Carbon tetrachloride	ND		1.0	ug/L	1	30-Nov-2022 22:33
Chlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 22:33
Chloroethane	ND		1.0	ug/L	1	30-Nov-2022 22:33
Chloroform	ND		1.0	ug/L	1	30-Nov-2022 22:33
Chloromethane	ND		1.0	ug/L	1	30-Nov-2022 22:33
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 22:33
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 22:33

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: ESP Pump Equipment Rinsate
Collection Date: 21-Nov-2022 07:30

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-25
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**				Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	30-Nov-2022 22:33
Dibromochloromethane	**1.9**		**1.0**	**ug/L**	1	30-Nov-2022 22:33
Dichlorodifluoromethane	ND		1.0	ug/L	1	30-Nov-2022 22:33
Ethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 22:33
Hexachlorobutadiene	ND		1.0	ug/L	1	30-Nov-2022 22:33
Isopropylbenzene	ND		1.0	ug/L	1	30-Nov-2022 22:33
m,p-Xylene	ND		2.0	ug/L	1	30-Nov-2022 22:33
Methyl acetate	ND		1.0	ug/L	1	30-Nov-2022 22:33
2-Hexanone	ND		2.0	ug/L	1	30-Nov-2022 22:33
2-Butanone	ND		2.0	ug/L	1	30-Nov-2022 22:33
4-Methyl-2-pentanone	ND		2.0	ug/L	1	30-Nov-2022 22:33
Methyl tert-butyl ether	ND		1.0	ug/L	1	30-Nov-2022 22:33
Methylcyclohexane	ND		1.0	ug/L	1	30-Nov-2022 22:33
Methylene chloride	ND		2.0	ug/L	1	30-Nov-2022 22:33
n-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 22:33
n-Propylbenzene	ND		1.0	ug/L	1	30-Nov-2022 22:33
o-Xylene	ND		1.0	ug/L	1	30-Nov-2022 22:33
sec-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 22:33
Styrene	ND		1.0	ug/L	1	30-Nov-2022 22:33
tert-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 22:33
Tetrachloroethene	ND		1.0	ug/L	1	30-Nov-2022 22:33
Toluene	ND		1.0	ug/L	1	30-Nov-2022 22:33
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 22:33
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 22:33
Trichloroethene	ND		1.0	ug/L	1	30-Nov-2022 22:33
Trichlorofluoromethane	ND		1.0	ug/L	1	30-Nov-2022 22:33
Vinyl chloride	ND		1.0	ug/L	1	30-Nov-2022 22:33
Xylenes, Total	ND		1.0	ug/L	1	30-Nov-2022 22:33
Surr: 1,2-Dichloroethane-d4	*79.1*		*70-126*	*%REC*	*1*	*30-Nov-2022 22:33*
Surr: 4-Bromofluorobenzene	*100*		*77-113*	*%REC*	*1*	*30-Nov-2022 22:33*
Surr: Dibromofluoromethane	*93.7*		*77-123*	*%REC*	*1*	*30-Nov-2022 22:33*
Surr: Toluene-d8	*92.7*		*82-127*	*%REC*	*1*	*30-Nov-2022 22:33*

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: ESP Pump Equipment Rinsate
Collection Date: 21-Nov-2022 07:30

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-25
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.833	ug/L	1	29-Nov-2022 19:43
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 19:43
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 19:43
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 19:43
Surr: 2-Fluorobiphenyl	*88.7*		*40-125*	*%REC*	*1*	*29-Nov-2022 19:43*
Surr: 4-Terphenyl-d14	*103*		*40-135*	*%REC*	*1*	*29-Nov-2022 19:43*
Surr: Nitrobenzene-d5	*68.7*		*41-120*	*%REC*	*1*	*29-Nov-2022 19:43*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 11:04
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 11:04

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

RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-24D
Collection Date: 21-Nov-2022 09:20

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-26
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,1,1-Trichloroethane	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,1,2-Trichloroethane	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,1-Dichloroethane	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,1-Dichloroethene	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,1-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,2,3-Trichloropropane	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,2-Dibromoethane	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,2-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,2-Dichloroethane	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,2-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,3-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,3-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 02:18
1,4-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 02:18
2,2-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 02:18
2-Chlorotoluene	ND		1.0	ug/L	1	01-Dec-2022 02:18
4-Chlorotoluene	ND		1.0	ug/L	1	01-Dec-2022 02:18
4-Isopropyltoluene	ND		1.0	ug/L	1	01-Dec-2022 02:18
Acetone	ND		2.0	ug/L	1	01-Dec-2022 02:18
Benzene	ND		1.0	ug/L	1	01-Dec-2022 02:18
Bromobenzene	ND		1.0	ug/L	1	01-Dec-2022 02:18
Bromodichloromethane	ND		1.0	ug/L	1	01-Dec-2022 02:18
Bromoform	ND		1.0	ug/L	1	01-Dec-2022 02:18
Bromomethane	ND		1.0	ug/L	1	01-Dec-2022 02:18
Carbon disulfide	ND		2.0	ug/L	1	01-Dec-2022 02:18
Carbon tetrachloride	ND		1.0	ug/L	1	01-Dec-2022 02:18
Chlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 02:18
Chloroethane	ND		1.0	ug/L	1	01-Dec-2022 02:18
Chloroform	ND		1.0	ug/L	1	01-Dec-2022 02:18
Chloromethane	ND		1.0	ug/L	1	01-Dec-2022 02:18
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	01-Dec-2022 02:18
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 02:18

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-24D
Collection Date: 21-Nov-2022 09:20

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-26
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	01-Dec-2022 02:18
Dibromochloromethane	ND		1.0	ug/L	1	01-Dec-2022 02:18
Dichlorodifluoromethane	ND		1.0	ug/L	1	01-Dec-2022 02:18
Ethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 02:18
Hexachlorobutadiene	ND		1.0	ug/L	1	01-Dec-2022 02:18
Isopropylbenzene	ND		1.0	ug/L	1	01-Dec-2022 02:18
m,p-Xylene	ND		2.0	ug/L	1	01-Dec-2022 02:18
Methyl acetate	ND		1.0	ug/L	1	01-Dec-2022 02:18
2-Hexanone	ND		2.0	ug/L	1	01-Dec-2022 02:18
2-Butanone	ND		2.0	ug/L	1	01-Dec-2022 02:18
4-Methyl-2-pentanone	ND		2.0	ug/L	1	01-Dec-2022 02:18
Methyl tert-butyl ether	ND		1.0	ug/L	1	01-Dec-2022 02:18
Methylcyclohexane	ND		1.0	ug/L	1	01-Dec-2022 02:18
Methylene chloride	ND		2.0	ug/L	1	01-Dec-2022 02:18
n-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 02:18
n-Propylbenzene	ND		1.0	ug/L	1	01-Dec-2022 02:18
o-Xylene	ND		1.0	ug/L	1	01-Dec-2022 02:18
sec-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 02:18
Styrene	ND		1.0	ug/L	1	01-Dec-2022 02:18
tert-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 02:18
Tetrachloroethene	ND		1.0	ug/L	1	01-Dec-2022 02:18
Toluene	ND		1.0	ug/L	1	01-Dec-2022 02:18
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	01-Dec-2022 02:18
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 02:18
Trichloroethene	ND		1.0	ug/L	1	01-Dec-2022 02:18
Trichlorofluoromethane	ND		1.0	ug/L	1	01-Dec-2022 02:18
Vinyl chloride	ND		1.0	ug/L	1	01-Dec-2022 02:18
Xylenes, Total	ND		1.0	ug/L	1	01-Dec-2022 02:18
Surr: 1,2-Dichloroethane-d4	*80.2*		*70-126*	*%REC*	*1*	*01-Dec-2022 02:18*
Surr: 4-Bromofluorobenzene	*102*		*77-113*	*%REC*	*1*	*01-Dec-2022 02:18*
Surr: Dibromofluoromethane	*92.0*		*77-123*	*%REC*	*1*	*01-Dec-2022 02:18*
Surr: Toluene-d8	*93.2*		*82-127*	*%REC*	*1*	*01-Dec-2022 02:18*

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-24D
Collection Date: 21-Nov-2022 09:20

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-26
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.833	ug/L	1	29-Nov-2022 20:02
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 20:02
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 20:02
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 20:02
Surr: 2-Fluorobiphenyl	*83.2*		*40-125*	*%REC*	*1*	*29-Nov-2022 20:02*
Surr: 4-Terphenyl-d14	*96.5*		*40-135*	*%REC*	*1*	*29-Nov-2022 20:02*
Surr: Nitrobenzene-d5	*64.0*		*41-120*	*%REC*	*1*	*29-Nov-2022 20:02*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 11:28
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 11:28

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-42
Collection Date: 21-Nov-2022 09:36

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-27
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,1,1-Trichloroethane	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,1,2-Trichloroethane	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,1-Dichloroethane	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,1-Dichloroethene	**3.2**		**1.0**	**ug/L**	1	01-Dec-2022 05:18
1,1-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,2,3-Trichloropropane	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,2-Dibromoethane	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,2-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,2-Dichloroethane	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,2-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,3-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,3-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 05:18
1,4-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 05:18
2,2-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 05:18
2-Chlorotoluene	ND		1.0	ug/L	1	01-Dec-2022 05:18
4-Chlorotoluene	ND		1.0	ug/L	1	01-Dec-2022 05:18
4-Isopropyltoluene	ND		1.0	ug/L	1	01-Dec-2022 05:18
Acetone	ND		2.0	ug/L	1	01-Dec-2022 05:18
Benzene	ND		1.0	ug/L	1	01-Dec-2022 05:18
Bromobenzene	ND		1.0	ug/L	1	01-Dec-2022 05:18
Bromodichloromethane	ND		1.0	ug/L	1	01-Dec-2022 05:18
Bromoform	ND		1.0	ug/L	1	01-Dec-2022 05:18
Bromomethane	ND		1.0	ug/L	1	01-Dec-2022 05:18
Carbon disulfide	ND		2.0	ug/L	1	01-Dec-2022 05:18
Carbon tetrachloride	ND		1.0	ug/L	1	01-Dec-2022 05:18
Chlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 05:18
Chloroethane	ND		1.0	ug/L	1	01-Dec-2022 05:18
Chloroform	ND		1.0	ug/L	1	01-Dec-2022 05:18
Chloromethane	ND		1.0	ug/L	1	01-Dec-2022 05:18
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	01-Dec-2022 05:18
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 05:18

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-42
Collection Date: 21-Nov-2022 09:36

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-27
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	01-Dec-2022 05:18
Dibromochloromethane	ND		1.0	ug/L	1	01-Dec-2022 05:18
Dichlorodifluoromethane	ND		1.0	ug/L	1	01-Dec-2022 05:18
Ethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 05:18
Hexachlorobutadiene	ND		1.0	ug/L	1	01-Dec-2022 05:18
Isopropylbenzene	ND		1.0	ug/L	1	01-Dec-2022 05:18
m,p-Xylene	ND		2.0	ug/L	1	01-Dec-2022 05:18
Methyl acetate	ND		1.0	ug/L	1	01-Dec-2022 05:18
2-Hexanone	ND		2.0	ug/L	1	01-Dec-2022 05:18
2-Butanone	ND		2.0	ug/L	1	01-Dec-2022 05:18
4-Methyl-2-pentanone	ND		2.0	ug/L	1	01-Dec-2022 05:18
Methyl tert-butyl ether	ND		1.0	ug/L	1	01-Dec-2022 05:18
Methylcyclohexane	ND		1.0	ug/L	1	01-Dec-2022 05:18
Methylene chloride	ND		2.0	ug/L	1	01-Dec-2022 05:18
n-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 05:18
n-Propylbenzene	ND		1.0	ug/L	1	01-Dec-2022 05:18
o-Xylene	ND		1.0	ug/L	1	01-Dec-2022 05:18
sec-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 05:18
Styrene	ND		1.0	ug/L	1	01-Dec-2022 05:18
tert-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 05:18
Tetrachloroethene	ND		1.0	ug/L	1	01-Dec-2022 05:18
Toluene	ND		1.0	ug/L	1	01-Dec-2022 05:18
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	01-Dec-2022 05:18
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 05:18
Trichloroethene	ND		1.0	ug/L	1	01-Dec-2022 05:18
Trichlorofluoromethane	ND		1.0	ug/L	1	01-Dec-2022 05:18
Vinyl chloride	ND		1.0	ug/L	1	01-Dec-2022 05:18
Xylenes, Total	ND		1.0	ug/L	1	01-Dec-2022 05:18
Surr: 1,2-Dichloroethane-d4	*83.7*		*70-126*	*%REC*	*1*	*01-Dec-2022 05:18*
Surr: 4-Bromofluorobenzene	*102*		*77-113*	*%REC*	*1*	*01-Dec-2022 05:18*
Surr: Dibromofluoromethane	*93.3*		*77-123*	*%REC*	*1*	*01-Dec-2022 05:18*
Surr: Toluene-d8	*93.6*		*82-127*	*%REC*	*1*	*01-Dec-2022 05:18*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-42
Collection Date: 21-Nov-2022 09:36

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-27
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.870	ug/L	1	29-Nov-2022 20:21
1-Methylnaphthalene	ND		0.0870	ug/L	1	29-Nov-2022 20:21
2-Methylnaphthalene	ND		0.0870	ug/L	1	29-Nov-2022 20:21
Naphthalene	ND		0.0870	ug/L	1	29-Nov-2022 20:21
Surr: 2-Fluorobiphenyl	*90.2*		*40-125*	*%REC*	*1*	*29-Nov-2022 20:21*
Surr: 4-Terphenyl-d14	*109*		*40-135*	*%REC*	*1*	*29-Nov-2022 20:21*
Surr: Nitrobenzene-d5	*68.6*		*41-120*	*%REC*	*1*	*29-Nov-2022 20:21*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 13:01
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 13:01

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-42 Duplicate
Collection Date: 21-Nov-2022 09:36

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-28
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**				Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,1,1-Trichloroethane	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,1,2-Trichloroethane	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,1-Dichloroethane	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,1-Dichloroethene	**2.6**		**1.0**	**ug/L**	1	01-Dec-2022 05:41
1,1-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,2,3-Trichloropropane	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,2-Dibromoethane	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,2-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,2-Dichloroethane	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,2-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,3-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,3-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 05:41
1,4-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 05:41
2,2-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 05:41
2-Chlorotoluene	ND		1.0	ug/L	1	01-Dec-2022 05:41
4-Chlorotoluene	ND		1.0	ug/L	1	01-Dec-2022 05:41
4-Isopropyltoluene	ND		1.0	ug/L	1	01-Dec-2022 05:41
Acetone	ND		2.0	ug/L	1	01-Dec-2022 05:41
Benzene	ND		1.0	ug/L	1	01-Dec-2022 05:41
Bromobenzene	ND		1.0	ug/L	1	01-Dec-2022 05:41
Bromodichloromethane	ND		1.0	ug/L	1	01-Dec-2022 05:41
Bromoform	ND		1.0	ug/L	1	01-Dec-2022 05:41
Bromomethane	ND		1.0	ug/L	1	01-Dec-2022 05:41
Carbon disulfide	ND		2.0	ug/L	1	01-Dec-2022 05:41
Carbon tetrachloride	ND		1.0	ug/L	1	01-Dec-2022 05:41
Chlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 05:41
Chloroethane	ND		1.0	ug/L	1	01-Dec-2022 05:41
Chloroform	ND		1.0	ug/L	1	01-Dec-2022 05:41
Chloromethane	ND		1.0	ug/L	1	01-Dec-2022 05:41
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	01-Dec-2022 05:41
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 05:41

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-42 Duplicate
Collection Date: 21-Nov-2022 09:36

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-28
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	01-Dec-2022 05:41
Dibromochloromethane	ND		1.0	ug/L	1	01-Dec-2022 05:41
Dichlorodifluoromethane	ND		1.0	ug/L	1	01-Dec-2022 05:41
Ethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 05:41
Hexachlorobutadiene	ND		1.0	ug/L	1	01-Dec-2022 05:41
Isopropylbenzene	ND		1.0	ug/L	1	01-Dec-2022 05:41
m,p-Xylene	ND		2.0	ug/L	1	01-Dec-2022 05:41
Methyl acetate	ND		1.0	ug/L	1	01-Dec-2022 05:41
2-Hexanone	ND		2.0	ug/L	1	01-Dec-2022 05:41
2-Butanone	ND		2.0	ug/L	1	01-Dec-2022 05:41
4-Methyl-2-pentanone	ND		2.0	ug/L	1	01-Dec-2022 05:41
Methyl tert-butyl ether	ND		1.0	ug/L	1	01-Dec-2022 05:41
Methylcyclohexane	ND		1.0	ug/L	1	01-Dec-2022 05:41
Methylene chloride	ND		2.0	ug/L	1	01-Dec-2022 05:41
n-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 05:41
n-Propylbenzene	ND		1.0	ug/L	1	01-Dec-2022 05:41
o-Xylene	ND		1.0	ug/L	1	01-Dec-2022 05:41
sec-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 05:41
Styrene	ND		1.0	ug/L	1	01-Dec-2022 05:41
tert-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 05:41
Tetrachloroethene	ND		1.0	ug/L	1	01-Dec-2022 05:41
Toluene	ND		1.0	ug/L	1	01-Dec-2022 05:41
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	01-Dec-2022 05:41
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 05:41
Trichloroethene	ND		1.0	ug/L	1	01-Dec-2022 05:41
Trichlorofluoromethane	ND		1.0	ug/L	1	01-Dec-2022 05:41
Vinyl chloride	ND		1.0	ug/L	1	01-Dec-2022 05:41
Xylenes, Total	ND		1.0	ug/L	1	01-Dec-2022 05:41
Surr: 1,2-Dichloroethane-d4	*79.7*		*70-126*	*%REC*	*1*	*01-Dec-2022 05:41*
Surr: 4-Bromofluorobenzene	*102*		*77-113*	*%REC*	*1*	*01-Dec-2022 05:41*
Surr: Dibromofluoromethane	*90.9*		*77-123*	*%REC*	*1*	*01-Dec-2022 05:41*
Surr: Toluene-d8	*93.9*		*82-127*	*%REC*	*1*	*01-Dec-2022 05:41*

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-42 Duplicate
Collection Date: 21-Nov-2022 09:36

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-28
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 28-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.833	ug/L	1	29-Nov-2022 13:44
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 13:44
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 13:44
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 13:44
Surr: 2-Fluorobiphenyl	*87.1*		*40-125*	*%REC*	*1*	*29-Nov-2022 13:44*
Surr: 4-Terphenyl-d14	*99.7*		*40-135*	*%REC*	*1*	*29-Nov-2022 13:44*
Surr: Nitrobenzene-d5	*68.7*		*41-120*	*%REC*	*1*	*29-Nov-2022 13:44*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 13:24
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 13:24

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-40
Collection Date: 21-Nov-2022 10:30

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-29
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,1,1-Trichloroethane	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,1,2-Trichloroethane	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,1-Dichloroethane	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,1-Dichloroethene	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,1-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,2,3-Trichloropropane	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,2-Dibromoethane	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,2-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,2-Dichloroethane	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,2-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,3-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,3-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 06:03
1,4-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 06:03
2,2-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 06:03
2-Chlorotoluene	ND		1.0	ug/L	1	01-Dec-2022 06:03
4-Chlorotoluene	ND		1.0	ug/L	1	01-Dec-2022 06:03
4-Isopropyltoluene	ND		1.0	ug/L	1	01-Dec-2022 06:03
Acetone	ND		2.0	ug/L	1	01-Dec-2022 06:03
Benzene	ND		1.0	ug/L	1	01-Dec-2022 06:03
Bromobenzene	ND		1.0	ug/L	1	01-Dec-2022 06:03
Bromodichloromethane	ND		1.0	ug/L	1	01-Dec-2022 06:03
Bromoform	ND		1.0	ug/L	1	01-Dec-2022 06:03
Bromomethane	ND		1.0	ug/L	1	01-Dec-2022 06:03
Carbon disulfide	ND		2.0	ug/L	1	01-Dec-2022 06:03
Carbon tetrachloride	ND		1.0	ug/L	1	01-Dec-2022 06:03
Chlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 06:03
Chloroethane	ND		1.0	ug/L	1	01-Dec-2022 06:03
Chloroform	ND		1.0	ug/L	1	01-Dec-2022 06:03
Chloromethane	ND		1.0	ug/L	1	01-Dec-2022 06:03
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	01-Dec-2022 06:03
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 06:03

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-40
Collection Date: 21-Nov-2022 10:30

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-29
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	01-Dec-2022 06:03
Dibromochloromethane	ND		1.0	ug/L	1	01-Dec-2022 06:03
Dichlorodifluoromethane	ND		1.0	ug/L	1	01-Dec-2022 06:03
Ethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 06:03
Hexachlorobutadiene	ND		1.0	ug/L	1	01-Dec-2022 06:03
Isopropylbenzene	ND		1.0	ug/L	1	01-Dec-2022 06:03
m,p-Xylene	ND		2.0	ug/L	1	01-Dec-2022 06:03
Methyl acetate	ND		1.0	ug/L	1	01-Dec-2022 06:03
2-Hexanone	ND		2.0	ug/L	1	01-Dec-2022 06:03
2-Butanone	ND		2.0	ug/L	1	01-Dec-2022 06:03
4-Methyl-2-pentanone	ND		2.0	ug/L	1	01-Dec-2022 06:03
Methyl tert-butyl ether	ND		1.0	ug/L	1	01-Dec-2022 06:03
Methylcyclohexane	ND		1.0	ug/L	1	01-Dec-2022 06:03
Methylene chloride	ND		2.0	ug/L	1	01-Dec-2022 06:03
n-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 06:03
n-Propylbenzene	ND		1.0	ug/L	1	01-Dec-2022 06:03
o-Xylene	ND		1.0	ug/L	1	01-Dec-2022 06:03
sec-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 06:03
Styrene	ND		1.0	ug/L	1	01-Dec-2022 06:03
tert-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 06:03
Tetrachloroethene	ND		1.0	ug/L	1	01-Dec-2022 06:03
Toluene	ND		1.0	ug/L	1	01-Dec-2022 06:03
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	01-Dec-2022 06:03
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 06:03
Trichloroethene	ND		1.0	ug/L	1	01-Dec-2022 06:03
Trichlorofluoromethane	ND		1.0	ug/L	1	01-Dec-2022 06:03
Vinyl chloride	ND		1.0	ug/L	1	01-Dec-2022 06:03
Xylenes, Total	ND		1.0	ug/L	1	01-Dec-2022 06:03
Surr: 1,2-Dichloroethane-d4	*82.1*		*70-126*	*%REC*	*1*	*01-Dec-2022 06:03*
Surr: 4-Bromofluorobenzene	*102*		*77-113*	*%REC*	*1*	*01-Dec-2022 06:03*
Surr: Dibromofluoromethane	*92.2*		*77-123*	*%REC*	*1*	*01-Dec-2022 06:03*
Surr: Toluene-d8	*92.1*		*82-127*	*%REC*	*1*	*01-Dec-2022 06:03*

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-40
Collection Date: 21-Nov-2022 10:30

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-29
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 28-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.833	ug/L	1	29-Nov-2022 14:03
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 14:03
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 14:03
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 14:03
Surr: 2-Fluorobiphenyl	*83.0*		*40-125*	*%REC*	*1*	*29-Nov-2022 14:03*
Surr: 4-Terphenyl-d14	*94.8*		*40-135*	*%REC*	*1*	*29-Nov-2022 14:03*
Surr: Nitrobenzene-d5	*64.9*		*41-120*	*%REC*	*1*	*29-Nov-2022 14:03*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 13:47
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 13:47

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-41
Collection Date: 21-Nov-2022 11:00

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-30
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,1,1-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,1,2-Trichloroethane	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,1-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,1-Dichloroethene	**1.2**		**1.0**	**ug/L**	1	30-Nov-2022 02:55
1,1-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,2,3-Trichloropropane	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,2-Dibromoethane	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,2-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,2-Dichloroethane	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,3-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,3-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 02:55
1,4-Dichlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 02:55
2,2-Dichloropropane	ND		1.0	ug/L	1	30-Nov-2022 02:55
2-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 02:55
4-Chlorotoluene	ND		1.0	ug/L	1	30-Nov-2022 02:55
4-Isopropyltoluene	ND		1.0	ug/L	1	30-Nov-2022 02:55
Acetone	ND		2.0	ug/L	1	30-Nov-2022 02:55
Benzene	ND		1.0	ug/L	1	30-Nov-2022 02:55
Bromobenzene	ND		1.0	ug/L	1	30-Nov-2022 02:55
Bromodichloromethane	ND		1.0	ug/L	1	30-Nov-2022 02:55
Bromoform	ND		1.0	ug/L	1	30-Nov-2022 02:55
Bromomethane	ND		1.0	ug/L	1	30-Nov-2022 02:55
Carbon disulfide	ND		2.0	ug/L	1	30-Nov-2022 02:55
Carbon tetrachloride	ND		1.0	ug/L	1	30-Nov-2022 02:55
Chlorobenzene	ND		1.0	ug/L	1	30-Nov-2022 02:55
Chloroethane	ND		1.0	ug/L	1	30-Nov-2022 02:55
Chloroform	ND		1.0	ug/L	1	30-Nov-2022 02:55
Chloromethane	ND		1.0	ug/L	1	30-Nov-2022 02:55
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 02:55
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 02:55

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

Released to Imaging: 6/7/2024 10:32:31 AM RIGHT SOLUTIONS | RIGHT PARTNER

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-41
Collection Date: 21-Nov-2022 11:00

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-30
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	30-Nov-2022 02:55
Dibromochloromethane	ND		1.0	ug/L	1	30-Nov-2022 02:55
Dichlorodifluoromethane	ND		1.0	ug/L	1	30-Nov-2022 02:55
Ethylbenzene	ND		1.0	ug/L	1	30-Nov-2022 02:55
Hexachlorobutadiene	ND		1.0	ug/L	1	30-Nov-2022 02:55
Isopropylbenzene	ND		1.0	ug/L	1	30-Nov-2022 02:55
m,p-Xylene	ND		2.0	ug/L	1	30-Nov-2022 02:55
Methyl acetate	ND		1.0	ug/L	1	30-Nov-2022 02:55
2-Hexanone	ND		2.0	ug/L	1	30-Nov-2022 02:55
2-Butanone	ND		2.0	ug/L	1	30-Nov-2022 02:55
4-Methyl-2-pentanone	ND		2.0	ug/L	1	30-Nov-2022 02:55
Methyl tert-butyl ether	ND		1.0	ug/L	1	30-Nov-2022 02:55
Methylcyclohexane	ND		1.0	ug/L	1	30-Nov-2022 02:55
Methylene chloride	ND		2.0	ug/L	1	30-Nov-2022 02:55
n-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 02:55
n-Propylbenzene	ND		1.0	ug/L	1	30-Nov-2022 02:55
o-Xylene	ND		1.0	ug/L	1	30-Nov-2022 02:55
sec-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 02:55
Styrene	ND		1.0	ug/L	1	30-Nov-2022 02:55
tert-Butylbenzene	ND		1.0	ug/L	1	30-Nov-2022 02:55
Tetrachloroethene	ND		1.0	ug/L	1	30-Nov-2022 02:55
Toluene	ND		1.0	ug/L	1	30-Nov-2022 02:55
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	30-Nov-2022 02:55
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	30-Nov-2022 02:55
Trichloroethene	ND		1.0	ug/L	1	30-Nov-2022 02:55
Trichlorofluoromethane	ND		1.0	ug/L	1	30-Nov-2022 02:55
Vinyl chloride	ND		1.0	ug/L	1	30-Nov-2022 02:55
Xylenes, Total	ND		1.0	ug/L	1	30-Nov-2022 02:55
Surr: 1,2-Dichloroethane-d4	*85.2*		*70-126*	*%REC*	*1*	*30-Nov-2022 02:55*
Surr: 4-Bromofluorobenzene	*103*		*77-113*	*%REC*	*1*	*30-Nov-2022 02:55*
Surr: Dibromofluoromethane	*94.7*		*77-123*	*%REC*	*1*	*30-Nov-2022 02:55*
Surr: Toluene-d8	*92.2*		*82-127*	*%REC*	*1*	*30-Nov-2022 02:55*

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-41
Collection Date: 21-Nov-2022 11:00

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-30
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 28-Nov-2022		Analyst: EM
1,4-Dioxane	ND		0.833	ug/L	1	29-Nov-2022 14:22
1-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 14:22
2-Methylnaphthalene	ND		0.0833	ug/L	1	29-Nov-2022 14:22
Naphthalene	ND		0.0833	ug/L	1	29-Nov-2022 14:22
Surr: 2-Fluorobiphenyl	*90.1*		*40-125*	*%REC*	*1*	*29-Nov-2022 14:22*
Surr: 4-Terphenyl-d14	*104*		*40-135*	*%REC*	*1*	*29-Nov-2022 14:22*
Surr: Nitrobenzene-d5	*70.6*		*41-120*	*%REC*	*1*	*29-Nov-2022 14:22*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 14:10
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 14:10

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-39
Collection Date: 20-Nov-2022 11:37

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-31
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,1,1-Trichloroethane	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,1,2-Trichlor-1,2,2-trifluoroethane	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,1,2-Trichloroethane	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,1-Dichloroethane	**2.9**		**1.0**	**ug/L**	1	01-Dec-2022 06:26
1,1-Dichloroethene	**19**		**1.0**	**ug/L**	1	01-Dec-2022 06:26
1,1-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,2,3-Trichloropropane	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,2-Dibromoethane	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,2-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,2-Dichloroethane	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,2-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,3-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,3-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 06:26
1,4-Dichlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 06:26
2,2-Dichloropropane	ND		1.0	ug/L	1	01-Dec-2022 06:26
2-Chlorotoluene	ND		1.0	ug/L	1	01-Dec-2022 06:26
4-Chlorotoluene	ND		1.0	ug/L	1	01-Dec-2022 06:26
4-Isopropyltoluene	ND		1.0	ug/L	1	01-Dec-2022 06:26
Acetone	ND		2.0	ug/L	1	01-Dec-2022 06:26
Benzene	ND		1.0	ug/L	1	01-Dec-2022 06:26
Bromobenzene	ND		1.0	ug/L	1	01-Dec-2022 06:26
Bromodichloromethane	ND		1.0	ug/L	1	01-Dec-2022 06:26
Bromoform	ND		1.0	ug/L	1	01-Dec-2022 06:26
Bromomethane	ND		1.0	ug/L	1	01-Dec-2022 06:26
Carbon disulfide	ND		2.0	ug/L	1	01-Dec-2022 06:26
Carbon tetrachloride	ND		1.0	ug/L	1	01-Dec-2022 06:26
Chlorobenzene	ND		1.0	ug/L	1	01-Dec-2022 06:26
Chloroethane	ND		1.0	ug/L	1	01-Dec-2022 06:26
Chloroform	ND		1.0	ug/L	1	01-Dec-2022 06:26
Chloromethane	ND		1.0	ug/L	1	01-Dec-2022 06:26
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	01-Dec-2022 06:26
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 06:26

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-39
Collection Date: 20-Nov-2022 11:37

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-31
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**					Analyst: FT
Cyclohexane	ND		1.0	ug/L	1	01-Dec-2022 06:26
Dibromochloromethane	ND		1.0	ug/L	1	01-Dec-2022 06:26
Dichlorodifluoromethane	ND		1.0	ug/L	1	01-Dec-2022 06:26
Ethylbenzene	ND		1.0	ug/L	1	01-Dec-2022 06:26
Hexachlorobutadiene	ND		1.0	ug/L	1	01-Dec-2022 06:26
Isopropylbenzene	ND		1.0	ug/L	1	01-Dec-2022 06:26
m,p-Xylene	ND		2.0	ug/L	1	01-Dec-2022 06:26
Methyl acetate	ND		1.0	ug/L	1	01-Dec-2022 06:26
2-Hexanone	ND		2.0	ug/L	1	01-Dec-2022 06:26
2-Butanone	ND		2.0	ug/L	1	01-Dec-2022 06:26
4-Methyl-2-pentanone	ND		2.0	ug/L	1	01-Dec-2022 06:26
Methyl tert-butyl ether	ND		1.0	ug/L	1	01-Dec-2022 06:26
Methylcyclohexane	ND		1.0	ug/L	1	01-Dec-2022 06:26
Methylene chloride	ND		2.0	ug/L	1	01-Dec-2022 06:26
n-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 06:26
n-Propylbenzene	ND		1.0	ug/L	1	01-Dec-2022 06:26
o-Xylene	ND		1.0	ug/L	1	01-Dec-2022 06:26
sec-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 06:26
Styrene	ND		1.0	ug/L	1	01-Dec-2022 06:26
tert-Butylbenzene	ND		1.0	ug/L	1	01-Dec-2022 06:26
Tetrachloroethene	ND		1.0	ug/L	1	01-Dec-2022 06:26
Toluene	ND		1.0	ug/L	1	01-Dec-2022 06:26
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	01-Dec-2022 06:26
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	01-Dec-2022 06:26
Trichloroethene	ND		1.0	ug/L	1	01-Dec-2022 06:26
Trichlorofluoromethane	ND		1.0	ug/L	1	01-Dec-2022 06:26
Vinyl chloride	ND		1.0	ug/L	1	01-Dec-2022 06:26
Xylenes, Total	ND		1.0	ug/L	1	01-Dec-2022 06:26
Surr: 1,2-Dichloroethane-d4	*82.0*		*70-126*	*%REC*	*1*	*01-Dec-2022 06:26*
Surr: 4-Bromofluorobenzene	*100*		*77-113*	*%REC*	*1*	*01-Dec-2022 06:26*
Surr: Dibromofluoromethane	*91.7*		*77-123*	*%REC*	*1*	*01-Dec-2022 06:26*
Surr: Toluene-d8	*90.5*		*82-127*	*%REC*	*1*	*01-Dec-2022 06:26*

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

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
Sample ID: MW-39
Collection Date: 20-Nov-2022 11:37

ANALYTICAL REPORT
WorkOrder:HS22111328
Lab ID:HS22111328-31
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 23-Nov-2022		Analyst: EM
1,4-Dioxane	ND		1.00	ug/L	1	29-Nov-2022 20:40
1-Methylnaphthalene	ND		0.100	ug/L	1	29-Nov-2022 20:40
2-Methylnaphthalene	ND		0.100	ug/L	1	29-Nov-2022 20:40
Naphthalene	ND		0.100	ug/L	1	29-Nov-2022 20:40
Surr: 2-Fluorobiphenyl	*101*		*40-125*	*%REC*	*1*	*29-Nov-2022 20:40*
Surr: 4-Terphenyl-d14	*111*		*40-135*	*%REC*	*1*	*29-Nov-2022 20:40*
Surr: Nitrobenzene-d5	*77.5*		*41-120*	*%REC*	*1*	*29-Nov-2022 20:40*
EDB-123TCP BY SW8011		**Method:SW8011**		Prep:SW8011 / 29-Nov-2022		Analyst: JBA
1,2-Dibromo-3-chloropropane	ND		0.021	ug/L	1	06-Dec-2022 14:33
1,2-Dibromoethane	ND		0.021	ug/L	1	06-Dec-2022 14:33

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

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Weight / Prep Log

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

Batch ID: 186581 **Start Date:** 23 Nov 2022 12:25 **End Date:** 23 Nov 2022 16:00
Method: SV AQ SEP FUNNEL ULTRA LVI **Prep Code:** 3510C_MIN_W

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22111328-03	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-04	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-05	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-06	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-09	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-10	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-11	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-12	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-15	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-16	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-17	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-18	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-21	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-22	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-23	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-24	1	115	1 (mL)	0.008696	120 mL Amber Neat
HS22111328-25	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-26	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-27	1	115	1 (mL)	0.008696	120 mL Amber Neat
HS22111328-31	1	100	1 (mL)	0.01	120 mL Amber Neat

Batch ID: 186621 **Start Date:** 28 Nov 2022 10:11 **End Date:** 28 Nov 2022 14:00
Method: SV AQ SEP FUNNEL ULTRA LVI **Prep Code:** 3510C_MIN_W

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22111328-28	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-29	1	120	1 (mL)	0.008333	120 mL Amber Neat
HS22111328-30	1	120	1 (mL)	0.008333	120 mL Amber Neat

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ALS Houston, US

Date: 09-Dec-22

Weight / Prep Log

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

Batch ID: 186691 **Start Date:** 29 Nov 2022 09:07 **End Date:** 29 Nov 2022 12:00
Method: AQPREP: 8011 EDB **Prep Code:** 8011_WPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22111328-02		35 (mL)	36.69 (mL)	1.048	40 mL VOA w/ HCL
HS22111328-03		35 (mL)	36.87 (mL)	1.053	40 mL VOA w/ HCL
HS22111328-04		35 (mL)	36.66 (mL)	1.047	40 mL VOA w/ HCL
HS22111328-05		35 (mL)	36.54 (mL)	1.044	40 mL VOA w/ HCL
HS22111328-06		35 (mL)	36.56 (mL)	1.045	40 mL VOA w/ HCL
HS22111328-08		35 (mL)	36.63 (mL)	1.047	40 mL VOA w/ HCL
HS22111328-09		35 (mL)	35.93 (mL)	1.027	40 mL VOA w/ HCL
HS22111328-10		35 (mL)	36.54 (mL)	1.044	40 mL VOA w/ HCL
HS22111328-11		35 (mL)	36.2 (mL)	1.034	40 mL VOA w/ HCL
HS22111328-12		35 (mL)	36.49 (mL)	1.043	40 mL VOA w/ HCL
HS22111328-14		35 (mL)	36.76 (mL)	1.05	40 mL VOA w/ HCL
HS22111328-15		35 (mL)	36.69 (mL)	1.048	40 mL VOA w/ HCL
HS22111328-16		35 (mL)	36.27 (mL)	1.036	40 mL VOA w/ HCL
HS22111328-17		35 (mL)	36.34 (mL)	1.038	40 mL VOA w/ HCL
HS22111328-18		35 (mL)	36.91 (mL)	1.055	40 mL VOA w/ HCL
HS22111328-20		35 (mL)	36.16 (mL)	1.033	40 mL VOA w/ HCL
HS22111328-21		35 (mL)	36.21 (mL)	1.035	40 mL VOA w/ HCL
HS22111328-22		35 (mL)	36.71 (mL)	1.049	40 mL VOA w/ HCL
HS22111328-23		35 (mL)	36.71 (mL)	1.049	40 mL VOA w/ HCL
HS22111328-24		35 (mL)	36.14 (mL)	1.033	40 mL VOA w/ HCL

Batch ID: 186692 **Start Date:** 29 Nov 2022 09:30 **End Date:** 29 Nov 2022 12:00
Method: AQPREP: 8011 EDB **Prep Code:** 8011_WPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22111328-25		35 (mL)	36.7 (mL)	1.049	40 mL VOA w/ HCL
HS22111328-26		35 (mL)	36.61 (mL)	1.046	40 mL VOA w/ HCL
HS22111328-27		35 (mL)	36.47 (mL)	1.042	40 mL VOA vial, HCl to pH <2
HS22111328-28		35 (mL)	36.02 (mL)	1.029	40 mL VOA w/ HCL
HS22111328-29		35 (mL)	36.65 (mL)	1.047	40 mL VOA w/ HCL
HS22111328-30		35 (mL)	36.73 (mL)	1.049	40 mL VOA w/ HCL
HS22111328-31		35 (mL)	36.28 (mL)	1.037	40 mL VOA w/ HCL

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 186581 (0)	**Test Name :** ULTRA LVI SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS22111328-03	MW-37	17 Nov 2022 10:18		23 Nov 2022 12:25	29 Nov 2022 14:41	1
HS22111328-04	MW-34	17 Nov 2022 11:01		23 Nov 2022 12:25	29 Nov 2022 15:00	1
HS22111328-05	MW-34 Duplicate	17 Nov 2022 11:01		23 Nov 2022 12:25	29 Nov 2022 15:19	1
HS22111328-06	MW-35	17 Nov 2022 13:50		23 Nov 2022 12:25	29 Nov 2022 15:38	1
HS22111328-09	MW-32	17 Nov 2022 14:10		23 Nov 2022 12:25	29 Nov 2022 15:57	1
HS22111328-10	MW-29	17 Nov 2022 15:05		23 Nov 2022 12:25	29 Nov 2022 16:16	1
HS22111328-11	MW-27	18 Nov 2022 10:30		23 Nov 2022 12:25	29 Nov 2022 16:35	1
HS22111328-12	MW-21	18 Nov 2022 11:41		23 Nov 2022 12:25	29 Nov 2022 16:53	1
HS22111328-15	MW-14	18 Nov 2022 14:45		23 Nov 2022 12:25	29 Nov 2022 17:12	1
HS22111328-16	ESP Equipment Rinsate ESP PUMP	20 Nov 2022 11:30		23 Nov 2022 12:25	29 Nov 2022 17:31	1
HS22111328-17	MW-22	20 Nov 2022 12:56		23 Nov 2022 12:25	29 Nov 2022 17:50	1
HS22111328-18	MW-22 Duplicate	20 Nov 2022 12:56		23 Nov 2022 12:25	29 Nov 2022 18:09	1
HS22111328-21	MW-20	20 Nov 2022 13:40		23 Nov 2022 12:25	29 Nov 2022 18:28	1
HS22111328-22	MW-26	20 Nov 2022 14:03		23 Nov 2022 12:25	29 Nov 2022 18:47	1
HS22111328-23	MW-13	20 Nov 2022 15:20		23 Nov 2022 12:25	29 Nov 2022 19:06	1
HS22111328-24	SVE-28	20 Nov 2022 15:47		23 Nov 2022 12:25	29 Nov 2022 19:25	1
HS22111328-25	ESP Pump Equipment Rinsate	21 Nov 2022 07:30		23 Nov 2022 12:25	29 Nov 2022 19:43	1
HS22111328-26	MW-24D	21 Nov 2022 09:20		23 Nov 2022 12:25	29 Nov 2022 20:02	1
HS22111328-27	MW-42	21 Nov 2022 09:36		23 Nov 2022 12:25	29 Nov 2022 20:21	1
HS22111328-31	MW-39	20 Nov 2022 11:37		23 Nov 2022 12:25	29 Nov 2022 20:40	1
Batch ID: 186621 (0)	**Test Name :** ULTRA LVI SEMIVOLATILES BY 8270D				**Matrix:** Water	
HS22111328-28	MW-42 Duplicate	21 Nov 2022 09:36		28 Nov 2022 10:11	29 Nov 2022 13:44	1
HS22111328-29	MW-40	21 Nov 2022 10:30		28 Nov 2022 10:11	29 Nov 2022 14:03	1
HS22111328-30	MW-41	21 Nov 2022 11:00		28 Nov 2022 10:11	29 Nov 2022 14:22	1

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 186691 (0)	**Test Name :** EDB-123TCP BY SW8011				**Matrix:** Water	
HS22111328-02	8011 Trip Blank CG102122-102	17 Nov 2022 00:00		29 Nov 2022 09:07	06 Dec 2022 00:07	1
HS22111328-03	MW-37	17 Nov 2022 10:18		29 Nov 2022 09:07	06 Dec 2022 00:31	1
HS22111328-04	MW-34	17 Nov 2022 11:01		29 Nov 2022 09:07	06 Dec 2022 00:54	1
HS22111328-05	MW-34 Duplicate	17 Nov 2022 11:01		29 Nov 2022 09:07	06 Dec 2022 01:18	1
HS22111328-06	MW-35	17 Nov 2022 13:50		29 Nov 2022 09:07	06 Dec 2022 03:38	1
HS22111328-08	8011 Trip Blank CG102122-112	17 Nov 2022 00:00		29 Nov 2022 09:07	06 Dec 2022 04:02	1
HS22111328-09	MW-32	17 Nov 2022 14:10		29 Nov 2022 09:07	06 Dec 2022 04:25	1
HS22111328-10	MW-29	17 Nov 2022 15:05		29 Nov 2022 09:07	06 Dec 2022 04:49	1
HS22111328-11	MW-27	18 Nov 2022 10:30		29 Nov 2022 09:07	06 Dec 2022 05:12	1
HS22111328-12	MW-21	18 Nov 2022 11:41		29 Nov 2022 09:07	06 Dec 2022 05:36	1
HS22111328-14	8011 Trip Blank CG-102-122-111	18 Nov 2022 00:00		29 Nov 2022 09:07	06 Dec 2022 05:59	1
HS22111328-15	MW-14	18 Nov 2022 14:45		29 Nov 2022 09:07	06 Dec 2022 06:22	1
HS22111328-16	ESP Equipment Rinsate ESP PUMP	20 Nov 2022 11:30		29 Nov 2022 09:07	06 Dec 2022 06:46	1
HS22111328-17	MW-22	20 Nov 2022 12:56		29 Nov 2022 09:07	06 Dec 2022 08:20	1
HS22111328-18	MW-22 Duplicate	20 Nov 2022 12:56		29 Nov 2022 09:07	06 Dec 2022 08:43	1
HS22111328-20	8011 Trip Blank CG-102122-107	20 Nov 2022 00:00		29 Nov 2022 09:07	06 Dec 2022 09:07	1
HS22111328-21	MW-20	20 Nov 2022 13:40		29 Nov 2022 09:07	06 Dec 2022 09:30	1
HS22111328-22	MW-26	20 Nov 2022 14:03		29 Nov 2022 09:07	06 Dec 2022 09:54	1
HS22111328-23	MW-13	20 Nov 2022 15:20		29 Nov 2022 09:07	06 Dec 2022 10:17	1
HS22111328-24	SVE-28	20 Nov 2022 15:47		29 Nov 2022 09:07	06 Dec 2022 10:41	1
Batch ID: 186692 (0)	**Test Name :** EDB-123TCP BY SW8011				**Matrix:** Water	
HS22111328-25	ESP Pump Equipment Rinsate	21 Nov 2022 07:30		29 Nov 2022 09:30	06 Dec 2022 11:04	1
HS22111328-26	MW-24D	21 Nov 2022 09:20		29 Nov 2022 09:30	06 Dec 2022 11:28	1
HS22111328-27	MW-42	21 Nov 2022 09:36		29 Nov 2022 09:30	06 Dec 2022 13:01	1
HS22111328-28	MW-42 Duplicate	21 Nov 2022 09:36		29 Nov 2022 09:30	06 Dec 2022 13:24	1
HS22111328-29	MW-40	21 Nov 2022 10:30		29 Nov 2022 09:30	06 Dec 2022 13:47	1
HS22111328-30	MW-41	21 Nov 2022 11:00		29 Nov 2022 09:30	06 Dec 2022 14:10	1
HS22111328-31	MW-39	20 Nov 2022 11:37		29 Nov 2022 09:30	06 Dec 2022 14:33	1

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R422672 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22111328-01	8260 Trip Blank CG-102122-103	17 Nov 2022 00:00			28 Nov 2022 16:12	1
HS22111328-03	MW-37	17 Nov 2022 10:18			28 Nov 2022 13:57	1
HS22111328-04	MW-34	17 Nov 2022 11:01			28 Nov 2022 17:42	1
HS22111328-05	MW-34 Duplicate	17 Nov 2022 11:01			28 Nov 2022 18:04	1
HS22111328-06	MW-35	17 Nov 2022 13:50			28 Nov 2022 18:27	1
HS22111328-07	8260 Trip Blank CG-102122-113	17 Nov 2022 00:00			28 Nov 2022 16:34	1
HS22111328-09	MW-32	17 Nov 2022 14:10			28 Nov 2022 18:49	1
HS22111328-10	MW-29	17 Nov 2022 15:05			28 Nov 2022 19:12	1
HS22111328-13	8260 Trip Blank CG-102122-110	18 Nov 2022 00:00			28 Nov 2022 16:57	1
HS22111328-19	8260 Trip Blank CG-102122-106	20 Nov 2022 00:00			28 Nov 2022 17:19	1
Batch ID: R422787 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22111328-11	MW-27	18 Nov 2022 10:30			30 Nov 2022 05:55	1
HS22111328-12	MW-21	18 Nov 2022 11:41			30 Nov 2022 06:17	1
HS22111328-15	MW-14	18 Nov 2022 14:45			30 Nov 2022 06:40	1
HS22111328-30	MW-41	21 Nov 2022 11:00			30 Nov 2022 02:55	1
Batch ID: R422881 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22111328-16	ESP Equipment Rinsate ESP PUMP	20 Nov 2022 11:30			30 Nov 2022 14:11	1
HS22111328-18	MW-22 Duplicate	20 Nov 2022 12:56			30 Nov 2022 20:41	1
HS22111328-21	MW-20	20 Nov 2022 13:40			30 Nov 2022 21:03	1
HS22111328-22	MW-26	20 Nov 2022 14:03			30 Nov 2022 21:26	1
HS22111328-23	MW-13	20 Nov 2022 15:20			30 Nov 2022 21:48	1
HS22111328-24	SVE-28	20 Nov 2022 15:47			30 Nov 2022 22:11	1
HS22111328-25	ESP Pump Equipment Rinsate	21 Nov 2022 07:30			30 Nov 2022 22:33	1
Batch ID: R422893 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS22111328-17	MW-22	20 Nov 2022 12:56			01 Dec 2022 04:56	1
HS22111328-26	MW-24D	21 Nov 2022 09:20			01 Dec 2022 02:18	1
HS22111328-27	MW-42	21 Nov 2022 09:36			01 Dec 2022 05:18	1
HS22111328-28	MW-42 Duplicate	21 Nov 2022 09:36			01 Dec 2022 05:41	1
HS22111328-29	MW-40	21 Nov 2022 10:30			01 Dec 2022 06:03	1
HS22111328-31	MW-39	20 Nov 2022 11:37			01 Dec 2022 06:26	1

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Client: WSP USA
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WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: 186691 (0) **Instrument: ECD_13** **Method: EDB-123TCP BY SW8011**

MBLK Sample ID: **MBLK-186691** Units: **ug/L** Analysis Date: **05-Dec-2022 23:44**
Client ID: Run ID: **ECD_13_423315** SeqNo: **7016934** PrepDate: **29-Nov-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dibromo-3-chloropropane	ND	0.020								
1,2-Dibromoethane	ND	0.020								

LCS Sample ID: **LCS-186691** Units: **ug/L** Analysis Date: **05-Dec-2022 22:57**
Client ID: Run ID: **ECD_13_423315** SeqNo: **7016932** PrepDate: **29-Nov-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dibromo-3-chloropropane	0.2588	0.020	0.25	0	104	60 - 140				
1,2-Dibromoethane	0.2273	0.020	0.25	0	90.9	60 - 140				

LCSD Sample ID: **LCSD-186691** Units: **ug/L** Analysis Date: **05-Dec-2022 23:20**
Client ID: Run ID: **ECD_13_423315** SeqNo: **7016933** PrepDate: **29-Nov-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dibromo-3-chloropropane	0.2545	0.020	0.25	0	102	60 - 140	0.2588	1.67	20	
1,2-Dibromoethane	0.2342	0.020	0.25	0	93.7	60 - 140	0.2273	2.98	20	

The following samples were analyzed in this batch:

HS22111328-02	HS22111328-03	HS22111328-04	HS22111328-05
HS22111328-06	HS22111328-08	HS22111328-09	HS22111328-10
HS22111328-11	HS22111328-12	HS22111328-14	HS22111328-15
HS22111328-16	HS22111328-17	HS22111328-18	HS22111328-20
HS22111328-21	HS22111328-22	HS22111328-23	HS22111328-24

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: 186692 (0) **Instrument: ECD_13** **Method: EDB-123TCP BY SW8011**

MBLK Sample ID: **MBLK-186692** Units: **ug/L** Analysis Date: **06-Dec-2022 01:41**
Client ID: Run ID: **ECD_13_423317** SeqNo: **7016973** PrepDate: **29-Nov-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dibromo-3-chloropropane	ND	0.020								
1,2-Dibromoethane	ND	0.020								

LCS Sample ID: **LCS-186692** Units: **ug/L** Analysis Date: **06-Dec-2022 02:05**
Client ID: Run ID: **ECD_13_423317** SeqNo: **7016974** PrepDate: **29-Nov-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dibromo-3-chloropropane	0.2733	0.020	0.25	0	109	60 - 140				
1,2-Dibromoethane	0.234	0.020	0.25	0	93.6	60 - 140				

LCSD Sample ID: **LCSD-186692** Units: **ug/L** Analysis Date: **06-Dec-2022 02:28**
Client ID: Run ID: **ECD_13_423317** SeqNo: **7016975** PrepDate: **29-Nov-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dibromo-3-chloropropane	0.2715	0.020	0.25	0	109	60 - 140	0.2733	0.631	20	
1,2-Dibromoethane	0.2356	0.020	0.25	0	94.3	60 - 140	0.234	0.689	20	

The following samples were analyzed in this batch: HS22111328-25 HS22111328-26 HS22111328-27 HS22111328-28 HS22111328-29 HS22111328-30 HS22111328-31

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: 186581 (0) **Instrument: SV-8** **Method: ULTRA LVI SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-186581** Units: **ug/L** Analysis Date: **29-Nov-2022 11:51**
Client ID: Run ID: **SV-8_422730** SeqNo: **7003339** PrepDate: **23-Nov-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dioxane	ND	0.833								
1-Methylnaphthalene	ND	0.0833								
2-Methylnaphthalene	ND	0.0833								
Naphthalene	ND	0.0833								
Surr: 2-Fluorobiphenyl	*4.17*	*0*	*4.167*	*0*	*100*	*40 - 125*				
Surr: 4-Terphenyl-d14	*4.414*	*0*	*4.167*	*0*	*106*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.366*	*0*	*4.167*	*0*	*80.8*	*41 - 120*				

LCS Sample ID: **LCS-186581** Units: **ug/L** Analysis Date: **29-Nov-2022 12:10**
Client ID: Run ID: **SV-8_422730** SeqNo: **7003340** PrepDate: **23-Nov-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dioxane	3.251	0.833	4.167	0	78.0	30 - 140				
1-Methylnaphthalene	3.646	0.0833	4.167	0	87.5	45 - 120				
2-Methylnaphthalene	3.799	0.0833	4.167	0	91.2	50 - 120				
Naphthalene	3.763	0.0833	4.167	0	90.3	50 - 150				
Surr: 2-Fluorobiphenyl	*3.52*	*0*	*4.167*	*0*	*84.5*	*40 - 125*				
Surr: 4-Terphenyl-d14	*3.574*	*0*	*4.167*	*0*	*85.8*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.007*	*0*	*4.167*	*0*	*72.2*	*41 - 120*				

LCSD Sample ID: **LCSD-186581** Units: **ug/L** Analysis Date: **29-Nov-2022 12:29**
Client ID: Run ID: **SV-8_422730** SeqNo: **7003341** PrepDate: **23-Nov-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dioxane	2.412	0.833	4.167	0	57.9	30 - 140	3.251	29.6	20	R
1-Methylnaphthalene	3.656	0.0833	4.167	0	87.7	45 - 125	3.646	0.264	20	
2-Methylnaphthalene	3.814	0.0833	4.167	0	91.5	50 - 120	3.799	0.389	20	
Naphthalene	3.795	0.0833	4.167	0	91.1	50 - 150	3.763	0.835	20	
Surr: 2-Fluorobiphenyl	*3.482*	*0*	*4.167*	*0*	*83.6*	*40 - 125*	*3.52*	*1.09*	*20*	
Surr: 4-Terphenyl-d14	*3.629*	*0*	*4.167*	*0*	*87.1*	*40 - 135*	*3.574*	*1.52*	*20*	
Surr: Nitrobenzene-d5	*3.036*	*0*	*4.167*	*0*	*72.9*	*41 - 120*	*3.007*	*0.977*	*20*	

The following samples were analyzed in this batch:

HS22111328-03	HS22111328-04	HS22111328-05	HS22111328-06
HS22111328-09	HS22111328-10	HS22111328-11	HS22111328-12
HS22111328-15	HS22111328-16	HS22111328-17	HS22111328-18
HS22111328-21	HS22111328-22	HS22111328-23	HS22111328-24
HS22111328-25	HS22111328-26	HS22111328-27	HS22111328-31

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: 186621 (0) **Instrument: SV-8** **Method: ULTRA LVI SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-186621** Units: **ug/L** Analysis Date: **29-Nov-2022 10:45**
Client ID: Run ID: **SV-8_422730** SeqNo: **7003336** PrepDate: **28-Nov-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dioxane	ND	0.833								
1-Methylnaphthalene	ND	0.0833								
2-Methylnaphthalene	ND	0.0833								
Naphthalene	ND	0.0833								
Surr: 2-Fluorobiphenyl	*3.829*	*0*	*4.167*	*0*	*91.9*	*40 - 125*				
Surr: 4-Terphenyl-d14	*4.094*	*0*	*4.167*	*0*	*98.3*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.998*	*0*	*4.167*	*0*	*72.0*	*41 - 120*				

LCS Sample ID: **LCS-186621** Units: **ug/L** Analysis Date: **29-Nov-2022 11:04**
Client ID: Run ID: **SV-8_422730** SeqNo: **7003337** PrepDate: **28-Nov-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dioxane	3.216	0.833	4.167	0	77.2	30 - 140				
1-Methylnaphthalene	3.703	0.0833	4.167	0	88.9	45 - 120				
2-Methylnaphthalene	3.927	0.0833	4.167	0	94.3	50 - 120				
Naphthalene	3.826	0.0833	4.167	0	91.8	50 - 150				
Surr: 2-Fluorobiphenyl	*3.7*	*0*	*4.167*	*0*	*88.8*	*40 - 125*				
Surr: 4-Terphenyl-d14	*3.781*	*0*	*4.167*	*0*	*90.7*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.181*	*0*	*4.167*	*0*	*76.4*	*41 - 120*				

LCSD Sample ID: **LCSD-186621** Units: **ug/L** Analysis Date: **29-Nov-2022 11:32**
Client ID: Run ID: **SV-8_422730** SeqNo: **7003338** PrepDate: **28-Nov-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dioxane	3.396	0.833	4.167	0	81.5	30 - 140	3.216	5.43	20	
1-Methylnaphthalene	3.688	0.0833	4.167	0	88.5	45 - 125	3.703	0.423	20	
2-Methylnaphthalene	3.859	0.0833	4.167	0	92.6	50 - 120	3.927	1.75	20	
Naphthalene	3.804	0.0833	4.167	0	91.3	50 - 150	3.826	0.586	20	
Surr: 2-Fluorobiphenyl	*3.756*	*0*	*4.167*	*0*	*90.1*	*40 - 125*	*3.7*	*1.5*	*20*	
Surr: 4-Terphenyl-d14	*3.764*	*0*	*4.167*	*0*	*90.3*	*40 - 135*	*3.781*	*0.463*	*20*	
Surr: Nitrobenzene-d5	*3.11*	*0*	*4.167*	*0*	*74.6*	*41 - 120*	*3.181*	*2.28*	*20*	

The following samples were analyzed in this batch: HS22111328-28 HS22111328-29 HS22111328-30

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WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422672 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-221128** Units: **ug/L** Analysis Date: **28-Nov-2022 13:34**
Client ID: Run ID: **VOA11_422672** SeqNo: **7001969** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,1,1,2-Tetrachloroethane	ND	1.0							
1,1,1-Trichloroethane	ND	1.0							
1,1,2,2-Tetrachloroethane	ND	1.0							
1,1,2-Trichlor-1,2,2-trifluoroethane	ND	1.0							
1,1,2-Trichloroethane	ND	1.0							
1,1-Dichloroethane	ND	1.0							
1,1-Dichloroethene	ND	1.0							
1,1-Dichloropropene	ND	1.0							
1,2,3-Trichlorobenzene	ND	1.0							
1,2,3-Trichloropropane	ND	1.0							
1,2,4-Trichlorobenzene	ND	1.0							
1,2,4-Trimethylbenzene	ND	1.0							
1,2-Dibromo-3-chloropropane	ND	1.0							
1,2-Dibromoethane	ND	1.0							
1,2-Dichlorobenzene	ND	1.0							
1,2-Dichloroethane	ND	1.0							
1,2-Dichloropropane	ND	1.0							
1,3,5-Trimethylbenzene	ND	1.0							
1,3-Dichlorobenzene	ND	1.0							
1,3-Dichloropropane	ND	1.0							
1,4-Dichlorobenzene	ND	1.0							
2,2-Dichloropropane	ND	1.0							
2-Butanone	ND	2.0							
2-Chlorotoluene	ND	1.0							
2-Hexanone	ND	2.0							
4-Chlorotoluene	ND	1.0							
4-Isopropyltoluene	ND	1.0							
4-Methyl-2-pentanone	ND	2.0							
Acetone	ND	2.0							
Benzene	ND	1.0							
Bromobenzene	ND	1.0							
Bromodichloromethane	ND	1.0							
Bromoform	ND	1.0							
Bromomethane	ND	1.0							

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422672 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-221128** Units: **ug/L** Analysis Date: **28-Nov-2022 13:34**
Client ID: Run ID: **VOA11_422672** SeqNo: **7001969** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	ND	2.0								
Carbon tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	1.0								
Chloroform	ND	1.0								
Chloromethane	ND	1.0								
cis-1,2-Dichloroethene	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
Cyclohexane	ND	1.0								
Dibromochloromethane	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
Ethylbenzene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
Isopropylbenzene	ND	1.0								
m,p-Xylene	ND	2.0								
Methyl acetate	ND	1.0								
Methyl tert-butyl ether	ND	1.0								
Methylcyclohexane	ND	1.0								
Methylene chloride	ND	2.0								
Naphthalene	ND	1.0								
n-Butylbenzene	ND	1.0								
n-Propylbenzene	ND	1.0								
o-Xylene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
Tetrachloroethene	ND	1.0								
Toluene	ND	1.0								
trans-1,2-Dichloroethene	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
Trichloroethene	ND	1.0								
Trichlorofluoromethane	ND	1.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.0								

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422672 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-221128** Units: **ug/L** Analysis Date: **28-Nov-2022 13:34**
Client ID: Run ID: **VOA11_422672** SeqNo: **7001969** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Surr: 1,2-Dichloroethane-d4	*46.84*	*1.0*	*50*	*0*	*93.7*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*51.34*	*1.0*	*50*	*0*	*103*	*77 - 113*			
Surr: Dibromofluoromethane	*51.47*	*1.0*	*50*	*0*	*103*	*73 - 126*			
Surr: Toluene-d8	*48.22*	*1.0*	*50*	*0*	*96.4*	*81 - 120*			

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422672 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCS Sample ID: **VLCSW-221128** Units: **ug/L** Analysis Date: **28-Nov-2022 12:49**
Client ID: Run ID: **VOA11_422672** SeqNo: **7001968** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	20.9	1.0	20	0	105	77 - 118				
1,1,1-Trichloroethane	19.43	1.0	20	0	97.1	70 - 130				
1,1,2,2-Tetrachloroethane	17.8	1.0	20	0	89.0	70 - 120				
1,1,2-Trichlor-1,2,2-trifluoroethane	20.3	1.0	20	0	101	70 - 130				
1,1,2-Trichloroethane	18.68	1.0	20	0	93.4	77 - 113				
1,1-Dichloroethane	17.09	1.0	20	0	85.5	71 - 122				
1,1-Dichloroethene	18.76	1.0	20	0	93.8	70 - 130				
1,1-Dichloropropene	19.72	1.0	20	0	98.6	78 - 118				
1,2,3-Trichlorobenzene	24.17	1.0	20	0	121	70 - 130				
1,2,3-Trichloropropane	19.01	1.0	20	0	95.1	70 - 127				
1,2,4-Trichlorobenzene	20.87	1.0	20	0	104	77 - 126				
1,2,4-Trimethylbenzene	18.35	1.0	20	0	91.7	73 - 121				
1,2-Dibromo-3-chloropropane	15.73	1.0	20	0	78.7	70 - 130				
1,2-Dibromoethane	20.57	1.0	20	0	103	76 - 123				
1,2-Dichlorobenzene	18.72	1.0	20	0	93.6	77 - 113				
1,2-Dichloroethane	18.85	1.0	20	0	94.2	70 - 124				
1,2-Dichloropropane	18.3	1.0	20	0	91.5	72 - 119				
1,3,5-Trimethylbenzene	18.18	1.0	20	0	90.9	75 - 118				
1,3-Dichlorobenzene	19.17	1.0	20	0	95.8	78 - 118				
1,3-Dichloropropane	18.61	1.0	20	0	93.1	75 - 116				
1,4-Dichlorobenzene	18.89	1.0	20	0	94.5	79 - 113				
2,2-Dichloropropane	19.47	1.0	20	0	97.3	70 - 130				
2-Butanone	33.7	2.0	40	0	84.2	70 - 130				
2-Chlorotoluene	17.42	1.0	20	0	87.1	70 - 128				
2-Hexanone	30.86	2.0	40	0	77.2	70 - 130				
4-Chlorotoluene	17.77	1.0	20	0	88.8	74 - 126				
4-Isopropyltoluene	20.44	1.0	20	0	102	74 - 126				
4-Methyl-2-pentanone	34	2.0	40	0	85.0	70 - 130				
Acetone	37.79	2.0	40	0	94.5	70 - 130				
Benzene	19.05	1.0	20	0	95.2	74 - 120				
Bromobenzene	18.74	1.0	20	0	93.7	78 - 113				
Bromodichloromethane	18.91	1.0	20	0	94.6	74 - 122				
Bromoform	21.76	1.0	20	0	109	73 - 128				
Bromomethane	18.53	1.0	20	0	92.6	70 - 130				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422672 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCS Sample ID: **VLCSW-221128** Units: **ug/L** Analysis Date: **28-Nov-2022 12:49**
Client ID: Run ID: **VOA11_422672** SeqNo: **7001968** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	35.46	2.0	40	0	88.7	70 - 130				
Carbon tetrachloride	20.3	1.0	20	0	102	71 - 125				
Chlorobenzene	18.88	1.0	20	0	94.4	76 - 113				
Chloroethane	23.12	1.0	20	0	116	70 - 130				
Chloroform	18.11	1.0	20	0	90.6	71 - 121				
Chloromethane	26.03	1.0	20	0	130	70 - 129				S
cis-1,2-Dichloroethene	17.79	1.0	20	0	88.9	75 - 122				
cis-1,3-Dichloropropene	19.88	1.0	20	0	99.4	73 - 127				
Cyclohexane	18.04	1.0	20	0	90.2	70 - 130				
Dibromochloromethane	18.94	1.0	20	0	94.7	77 - 122				
Dichlorodifluoromethane	22.86	1.0	20	0	114	70 - 130				
Ethylbenzene	19.52	1.0	20	0	97.6	77 - 117				
Hexachlorobutadiene	30.49	1.0	20	0	152	70 - 130				S
Isopropylbenzene	21.36	1.0	20	0	107	73 - 127				
m,p-Xylene	40.07	2.0	40	0	100	77 - 122				
Methyl acetate	15.73	1.0	20	0	78.7	76 - 122				
Methyl tert-butyl ether	19.07	1.0	20	0	95.4	70 - 130				
Methylcyclohexane	19.07	1.0	20	0	95.4	61 - 157				
Methylene chloride	20.46	2.0	20	0	102	70 - 127				
Naphthalene	21.48	1.0	20	0	107	70 - 130				
n-Butylbenzene	19.27	1.0	20	0	96.4	72 - 130				
n-Propylbenzene	18.68	1.0	20	0	93.4	73 - 124				
o-Xylene	20.02	1.0	20	0	100	75 - 119				
sec-Butylbenzene	20.01	1.0	20	0	100	73 - 128				
Styrene	19.91	1.0	20	0	99.5	72 - 126				
tert-Butylbenzene	19.28	1.0	20	0	96.4	73 - 124				
Tetrachloroethene	21.25	1.0	20	0	106	76 - 119				
Toluene	18.63	1.0	20	0	93.1	77 - 118				
trans-1,2-Dichloroethene	18.34	1.0	20	0	91.7	72 - 127				
trans-1,3-Dichloropropene	19.64	1.0	20	0	98.2	77 - 119				
Trichloroethene	19.26	1.0	20	0	96.3	77 - 121				
Trichlorofluoromethane	24.85	1.0	20	0	124	70 - 130				
Vinyl chloride	22.9	1.0	20	0	114	70 - 130				
Xylenes, Total	60.08	1.0	60	0	100	75 - 122				

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Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422672 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

LCS Sample ID: **VLCSW-221128** Units: **ug/L** Analysis Date: **28-Nov-2022 12:49**
Client ID: Run ID: **VOA11_422672** SeqNo: **7001968** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Surr: 1,2-Dichloroethane-d4	*44.16*	*1.0*	*50*	*0*	*88.3*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*52.34*	*1.0*	*50*	*0*	*105*	*77 - 113*			
Surr: Dibromofluoromethane	*47.58*	*1.0*	*50*	*0*	*95.2*	*73 - 126*			
Surr: Toluene-d8	*47.58*	*1.0*	*50*	*0*	*95.2*	*81 - 120*			

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422672 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MS Sample ID: **HS22111328-03MS** Units: **ug/L** Analysis Date: **28-Nov-2022 14:19**
Client ID: **MW-37** Run ID: **VOA11_422672** SeqNo: **7001971** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	13.9	1.0	20	0	69.5	70 - 120				S
1,1,1-Trichloroethane	14.71	1.0	20	0	73.6	70 - 130				
1,1,2,2-Tetrachloroethane	10.85	1.0	20	0	54.2	70 - 123				S
1,1,2-Trichlor-1,2,2-trifluoroethane	18.11	1.0	20	0	90.6	70 - 130				
1,1,2-Trichloroethane	11.77	1.0	20	0	58.8	70 - 117				S
1,1-Dichloroethane	12.78	1.0	20	0	63.9	70 - 127				S
1,1-Dichloroethene	13.81	1.0	20	0	69.0	70 - 130				S
1,1-Dichloropropene	14.02	1.0	20	0	70.1	70 - 129				
1,2,3-Trichlorobenzene	12.76	1.0	20	0	63.8	70 - 130				S
1,2,3-Trichloropropane	12.79	1.0	20	0	64.0	70 - 130				S
1,2,4-Trichlorobenzene	12.77	1.0	20	0	63.8	70 - 125				S
1,2,4-Trimethylbenzene	11.91	1.0	20	0	59.6	70 - 125				S
1,2-Dibromo-3-chloropropane	11.34	1.0	20	0	56.7	70 - 130				S
1,2-Dibromoethane	13.47	1.0	20	0	67.4	70 - 124				S
1,2-Dichlorobenzene	12.77	1.0	20	0	63.8	70 - 115				S
1,2-Dichloroethane	12.79	1.0	20	0	64.0	70 - 127				S
1,2-Dichloropropane	12.58	1.0	20	0	62.9	70 - 122				S
1,3,5-Trimethylbenzene	12.38	1.0	20	0	61.9	70 - 126				S
1,3-Dichlorobenzene	13.32	1.0	20	0	66.6	70 - 119				S
1,3-Dichloropropane	12.13	1.0	20	0	60.7	70 - 121				S
1,4-Dichlorobenzene	13	1.0	20	0	65.0	70 - 114				S
2,2-Dichloropropane	14.86	1.0	20	0	74.3	70 - 130				
2-Butanone	19.59	2.0	40	0	49.0	70 - 130				S
2-Chlorotoluene	11.79	1.0	20	0	59.0	70 - 130				S
2-Hexanone	20.22	2.0	40	0	50.5	70 - 130				S
4-Chlorotoluene	11.37	1.0	20	0	56.9	70 - 130				S
4-Isopropyltoluene	13.73	1.0	20	0	68.6	70 - 130				S
4-Methyl-2-pentanone	19.81	2.0	40	0	49.5	70 - 130				S
Acetone	23.24	2.0	40	0	58.1	70 - 130				S
Benzene	13.54	1.0	20	0	67.7	70 - 127				S
Bromobenzene	12.98	1.0	20	0	64.9	70 - 115				S
Bromodichloromethane	12.5	1.0	20	0	62.5	70 - 124				S
Bromoform	13.07	1.0	20	0	65.4	70 - 129				S
Bromomethane	18.02	1.0	20	0	90.1	70 - 130				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422672 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MS Sample ID: **HS22111328-03MS** Units: **ug/L** Analysis Date: **28-Nov-2022 14:19**
Client ID: **MW-37** Run ID: **VOA11_422672** SeqNo: **7001971** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Carbon disulfide	28.2	2.0	40	0	70.5	70 - 130			
Carbon tetrachloride	14.47	1.0	20	0	72.3	70 - 130			
Chlorobenzene	13.26	1.0	20	0	66.3	70 - 114			S
Chloroethane	20.73	1.0	20	0	104	70 - 130			
Chloroform	13.34	1.0	20	0	66.7	70 - 125			S
Chloromethane	22.3	1.0	20	0	112	70 - 130			
cis-1,2-Dichloroethene	13.28	1.0	20	0	66.4	70 - 128			S
cis-1,3-Dichloropropene	13.28	1.0	20	0	66.4	70 - 125			S
Cyclohexane	13.47	1.0	20	0	67.4	70 - 130			S
Dibromochloromethane	12.6	1.0	20	0	63.0	70 - 124			S
Dichlorodifluoromethane	21.03	1.0	20	0	105	70 - 130			
Ethylbenzene	13.51	1.0	20	0	67.6	70 - 124			S
Hexachlorobutadiene	17.94	1.0	20	0	89.7	70 - 130			
Isopropylbenzene	14.7	1.0	20	0	73.5	70 - 130			
m,p-Xylene	27.94	2.0	40	0	69.8	70 - 130			S
Methyl acetate	10.26	1.0	20	0	51.3	76 - 122			S
Methyl tert-butyl ether	12.67	1.0	20	0	63.3	70 - 130			S
Methylcyclohexane	12.15	1.0	20	0	60.8	61 - 158			S
Methylene chloride	13.26	2.0	20	0	66.3	70 - 128			S
Naphthalene	13.32	1.0	20	0	66.6	70 - 130			S
n-Butylbenzene	12.29	1.0	20	0	61.5	70 - 130			S
n-Propylbenzene	12.54	1.0	20	0	62.7	70 - 130			S
o-Xylene	13.56	1.0	20	0	67.8	70 - 124			S
sec-Butylbenzene	14.05	1.0	20	0	70.3	70 - 130			
Styrene	13.11	1.0	20	0	65.6	70 - 130			S
tert-Butylbenzene	13.19	1.0	20	0	65.9	70 - 130			S
Tetrachloroethene	14.34	1.0	20	0	71.7	70 - 130			
Toluene	12.43	1.0	20	0	62.1	70 - 123			S
trans-1,2-Dichloroethene	13.75	1.0	20	0	68.7	70 - 130			S
trans-1,3-Dichloropropene	12.27	1.0	20	0	61.4	70 - 121			S
Trichloroethene	13.42	1.0	20	0	67.1	70 - 129			S
Trichlorofluoromethane	22.15	1.0	20	0	111	70 - 130			
Vinyl chloride	19.15	1.0	20	0	95.8	70 - 130			
Xylenes, Total	41.5	1.0	60	0	69.2	70 - 130			S

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QC BATCH REPORT

Batch ID: R422672 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MS Sample ID: **HS22111328-03MS** Units: **ug/L** Analysis Date: **28-Nov-2022 14:19**
Client ID: **MW-37** Run ID: **VOA11_422672** SeqNo: **7001971** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 1,2-Dichloroethane-d4	*44.35*	*1.0*	*50*	*0*	*88.7*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*49.88*	*1.0*	*50*	*0*	*99.8*	*77 - 113*				
Surr: Dibromofluoromethane	*49.99*	*1.0*	*50*	*0*	*100.0*	*77 - 123*				
Surr: Toluene-d8	*46.08*	*1.0*	*50*	*0*	*92.2*	*82 - 127*				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422672 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MSD Sample ID: **HS22111328-03MSD** Units: **ug/L** Analysis Date: **28-Nov-2022 14:42**
Client ID: **MW-37** Run ID: **VOA11_422672** SeqNo: **7001972** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	19.99	1.0	20	0	99.9	70 - 120	13.9	35.9	20	R
1,1,1-Trichloroethane	19.15	1.0	20	0	95.8	70 - 130	14.71	26.2	20	R
1,1,2,2-Tetrachloroethane	17.82	1.0	20	0	89.1	70 - 123	10.85	48.6	20	R
1,1,2-Trichlor-1,2,2-trifluoroethane	19.25	1.0	20	0	96.2	70 - 130	18.11	6.09	20	
1,1,2-Trichloroethane	18.64	1.0	20	0	93.2	70 - 117	11.77	45.2	20	R
1,1-Dichloroethane	16.6	1.0	20	0	83.0	70 - 127	12.78	26	20	R
1,1-Dichloroethene	18.62	1.0	20	0	93.1	70 - 130	13.81	29.7	20	R
1,1-Dichloropropene	17.97	1.0	20	0	89.8	70 - 129	14.02	24.7	20	R
1,2,3-Trichlorobenzene	19.92	1.0	20	0	99.6	70 - 130	12.76	43.8	20	R
1,2,3-Trichloropropane	20.03	1.0	20	0	100	70 - 130	12.79	44.1	20	R
1,2,4-Trichlorobenzene	17.56	1.0	20	0	87.8	70 - 125	12.77	31.6	20	R
1,2,4-Trimethylbenzene	15.93	1.0	20	0	79.7	70 - 125	11.91	28.8	20	R
1,2-Dibromo-3-chloropropane	17.92	1.0	20	0	89.6	70 - 130	11.34	45	20	R
1,2-Dibromoethane	20.13	1.0	20	0	101	70 - 124	13.47	39.6	20	R
1,2-Dichlorobenzene	16.45	1.0	20	0	82.3	70 - 115	12.77	25.2	20	R
1,2-Dichloroethane	18.41	1.0	20	0	92.0	70 - 127	12.79	36	20	R
1,2-Dichloropropane	17.1	1.0	20	0	85.5	70 - 122	12.58	30.4	20	R
1,3,5-Trimethylbenzene	16.09	1.0	20	0	80.4	70 - 126	12.38	26.1	20	R
1,3-Dichlorobenzene	17.02	1.0	20	0	85.1	70 - 119	13.32	24.4	20	R
1,3-Dichloropropane	17.89	1.0	20	0	89.5	70 - 121	12.13	38.4	20	R
1,4-Dichlorobenzene	16.96	1.0	20	0	84.8	70 - 114	13	26.4	20	R
2,2-Dichloropropane	19.78	1.0	20	0	98.9	70 - 130	14.86	28.4	20	R
2-Butanone	32.97	2.0	40	0	82.4	70 - 130	19.59	50.9	20	R
2-Chlorotoluene	15.76	1.0	20	0	78.8	70 - 130	11.79	28.8	20	R
2-Hexanone	32.3	2.0	40	0	80.7	70 - 130	20.22	46	20	R
4-Chlorotoluene	15.97	1.0	20	0	79.8	70 - 130	11.37	33.6	20	R
4-Isopropyltoluene	17.23	1.0	20	0	86.2	70 - 130	13.73	22.6	20	R
4-Methyl-2-pentanone	32.81	2.0	40	0	82.0	70 - 130	19.81	49.4	20	R
Acetone	34.35	2.0	40	0	85.9	70 - 130	23.24	38.6	20	R
Benzene	18.44	1.0	20	0	92.2	70 - 127	13.54	30.6	20	R
Bromobenzene	17.98	1.0	20	0	89.9	70 - 115	12.98	32.3	20	R
Bromodichloromethane	18.35	1.0	20	0	91.8	70 - 124	12.5	37.9	20	R
Bromoform	19.37	1.0	20	0	96.8	70 - 129	13.07	38.8	20	R
Bromomethane	19.61	1.0	20	0	98.1	70 - 130	18.02	8.47	20	

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Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422672 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MSD Sample ID: **HS22111328-03MSD** Units: **ug/L** Analysis Date: **28-Nov-2022 14:42**
Client ID: **MW-37** Run ID: **VOA11_422672** SeqNo: **7001972** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Carbon disulfide	35.41	2.0	40	0	88.5	70 - 130	28.2	22.7	20	R
Carbon tetrachloride	19.07	1.0	20	0	95.3	70 - 130	14.47	27.4	20	R
Chlorobenzene	17.81	1.0	20	0	89.0	70 - 114	13.26	29.2	20	R
Chloroethane	21.48	1.0	20	0	107	70 - 130	20.73	3.56	20	
Chloroform	18.12	1.0	20	0	90.6	70 - 125	13.34	30.4	20	R
Chloromethane	23.84	1.0	20	0	119	70 - 130	22.3	6.65	20	
cis-1,2-Dichloroethene	18.24	1.0	20	0	91.2	70 - 128	13.28	31.5	20	R
cis-1,3-Dichloropropene	19.76	1.0	20	0	98.8	70 - 125	13.28	39.2	20	R
Cyclohexane	15.87	1.0	20	0	79.4	70 - 130	13.47	16.4	20	
Dibromochloromethane	19.28	1.0	20	0	96.4	70 - 124	12.6	41.9	20	R
Dichlorodifluoromethane	21.2	1.0	20	0	106	70 - 130	21.03	0.794	20	
Ethylbenzene	17.57	1.0	20	0	87.8	70 - 124	13.51	26.1	20	R
Hexachlorobutadiene	21.37	1.0	20	0	107	70 - 130	17.94	17.4	20	
Isopropylbenzene	18.61	1.0	20	0	93.1	70 - 130	14.7	23.5	20	R
m,p-Xylene	35.59	2.0	40	0	89.0	70 - 130	27.94	24.1	20	R
Methyl acetate	14.93	1.0	20	0	74.6	76 - 122	10.26	37.1	20	SR
Methyl tert-butyl ether	19.13	1.0	20	0	95.6	70 - 130	12.67	40.7	20	R
Methylcyclohexane	20.75	1.0	20	0	104	61 - 158	12.15	52.2	20	R
Methylene chloride	20.25	2.0	20	0	101	70 - 128	13.26	41.7	20	R
Naphthalene	21.36	1.0	20	0	107	70 - 130	13.32	46.4	20	R
n-Butylbenzene	15.46	1.0	20	0	77.3	70 - 130	12.29	22.9	20	R
n-Propylbenzene	16.4	1.0	20	0	82.0	70 - 130	12.54	26.6	20	R
o-Xylene	18.04	1.0	20	0	90.2	70 - 124	13.56	28.3	20	R
sec-Butylbenzene	17.16	1.0	20	0	85.8	70 - 130	14.05	20	20	
Styrene	18.61	1.0	20	0	93.1	70 - 130	13.11	34.7	20	R
tert-Butylbenzene	17.49	1.0	20	0	87.4	70 - 130	13.19	28	20	R
Tetrachloroethene	18.22	1.0	20	0	91.1	70 - 130	14.34	23.8	20	R
Toluene	17.27	1.0	20	0	86.3	70 - 123	12.43	32.6	20	R
trans-1,2-Dichloroethene	17.19	1.0	20	0	85.9	70 - 130	13.75	22.2	20	R
trans-1,3-Dichloropropene	19.56	1.0	20	0	97.8	70 - 121	12.27	45.8	20	R
Trichloroethene	17.66	1.0	20	0	88.3	70 - 129	13.42	27.3	20	R
Trichlorofluoromethane	22.66	1.0	20	0	113	70 - 130	22.15	2.27	20	
Vinyl chloride	20.37	1.0	20	0	102	70 - 130	19.15	6.18	20	
Xylenes, Total	53.63	1.0	60	0	89.4	70 - 130	41.5	25.5	20	R

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Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422672 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MSD Sample ID: **HS22111328-03MSD** Units: **ug/L** Analysis Date: **28-Nov-2022 14:42**
Client ID: **MW-37** Run ID: **VOA11_422672** SeqNo: **7001972** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 1,2-Dichloroethane-d4	*44.07*	*1.0*	*50*	*0*	*88.1*	*70 - 126*	*44.35*	*0.644*	*20*	
Surr: 4-Bromofluorobenzene	*49.61*	*1.0*	*50*	*0*	*99.2*	*77 - 113*	*49.88*	*0.541*	*20*	
Surr: Dibromofluoromethane	*47.67*	*1.0*	*50*	*0*	*95.3*	*77 - 123*	*49.99*	*4.76*	*20*	
Surr: Toluene-d8	*47.75*	*1.0*	*50*	*0*	*95.5*	*82 - 127*	*46.08*	*3.57*	*20*	

The following samples were analyzed in this batch: HS22111328-01, HS22111328-03, HS22111328-04, HS22111328-05, HS22111328-06, HS22111328-07, HS22111328-09, HS22111328-10, HS22111328-13, HS22111328-19

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422787 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-221129** Units: **ug/L** Analysis Date: **30-Nov-2022 02:32**
Client ID: Run ID: **VOA11_422787** SeqNo: **7004999** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	1.0								
1,1,2-Trichlor-1,2,2-trifluoroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,1-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,3-Trichloropropane	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	1.0								
1,2-Dibromoethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,2-Dichloroethane	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,3-Dichloropropane	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
2,2-Dichloropropane	ND	1.0								
2-Butanone	ND	2.0								
2-Chlorotoluene	ND	1.0								
2-Hexanone	ND	2.0								
4-Chlorotoluene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	2.0								
Acetone	ND	2.0								
Benzene	ND	1.0								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	1.0								

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Client: WSP USA
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QC BATCH REPORT

Batch ID: R422787 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-221129** Units: **ug/L** Analysis Date: **30-Nov-2022 02:32**
Client ID: Run ID: **VOA11_422787** SeqNo: **7004999** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	ND	2.0								
Carbon tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	1.0								
Chloroform	ND	1.0								
Chloromethane	ND	1.0								
cis-1,2-Dichloroethene	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
Cyclohexane	ND	1.0								
Dibromochloromethane	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
Ethylbenzene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
Isopropylbenzene	ND	1.0								
m,p-Xylene	ND	2.0								
Methyl acetate	ND	1.0								
Methyl tert-butyl ether	ND	1.0								
Methylcyclohexane	ND	1.0								
Methylene chloride	ND	2.0								
n-Butylbenzene	ND	1.0								
n-Propylbenzene	ND	1.0								
o-Xylene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
Tetrachloroethene	ND	1.0								
Toluene	ND	1.0								
trans-1,2-Dichloroethene	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
Trichloroethene	ND	1.0								
Trichlorofluoromethane	ND	1.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.0								
Surr: 1,2-Dichloroethane-d4	*42.48*	*1.0*	*50*	*0*	*85.0*	*70 - 123*				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422787 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-221129** Units: **ug/L** Analysis Date: **30-Nov-2022 02:32**
Client ID: Run ID: **VOA11_422787** SeqNo: **7004999** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	*51.57*	*1.0*	*50*	*0*	*103*	*77 - 113*				
Surr: Dibromofluoromethane	*47.94*	*1.0*	*50*	*0*	*95.9*	*73 - 126*				
Surr: Toluene-d8	*46.25*	*1.0*	*50*	*0*	*92.5*	*81 - 120*				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422787 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

LCS Sample ID: **VLCSW-221129** Units: **ug/L** Analysis Date: **30-Nov-2022 01:47**
Client ID: Run ID: **VOA11_422787** SeqNo: **7004998** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	19.31	1.0	20	0	96.6	77 - 118				
1,1,1-Trichloroethane	17.89	1.0	20	0	89.5	70 - 130				
1,1,2,2-Tetrachloroethane	15.85	1.0	20	0	79.2	70 - 120				
1,1,2-Trichlor-1,2,2-trifluoroethane	19.64	1.0	20	0	98.2	70 - 130				
1,1,2-Trichloroethane	16.47	1.0	20	0	82.4	77 - 113				
1,1-Dichloroethane	14.22	1.0	20	0	71.1	71 - 122				
1,1-Dichloroethene	17.19	1.0	20	0	86.0	70 - 130				
1,1-Dichloropropene	18.13	1.0	20	0	90.7	78 - 118				
1,2,3-Trichlorobenzene	19.66	1.0	20	0	98.3	70 - 130				
1,2,3-Trichloropropane	18.5	1.0	20	0	92.5	70 - 127				
1,2,4-Trichlorobenzene	19.09	1.0	20	0	95.5	77 - 126				
1,2,4-Trimethylbenzene	16.28	1.0	20	0	81.4	73 - 121				
1,2-Dibromo-3-chloropropane	16.63	1.0	20	0	83.2	70 - 130				
1,2-Dibromoethane	18.79	1.0	20	0	93.9	76 - 123				
1,2-Dichlorobenzene	16.6	1.0	20	0	83.0	77 - 113				
1,2-Dichloroethane	16.43	1.0	20	0	82.1	70 - 124				
1,2-Dichloropropane	16.21	1.0	20	0	81.1	72 - 119				
1,3,5-Trimethylbenzene	15.52	1.0	20	0	77.6	75 - 118				
1,3-Dichlorobenzene	18.06	1.0	20	0	90.3	78 - 118				
1,3-Dichloropropane	16.34	1.0	20	0	81.7	75 - 116				
1,4-Dichlorobenzene	16.83	1.0	20	0	84.2	79 - 113				
2,2-Dichloropropane	14.95	1.0	20	0	74.8	70 - 130				
2-Butanone	28.35	2.0	40	0	70.9	70 - 130				
2-Chlorotoluene	16.03	1.0	20	0	80.1	70 - 128				
2-Hexanone	30.57	2.0	40	0	76.4	70 - 130				
4-Chlorotoluene	16.71	1.0	20	0	83.5	74 - 126				
4-Isopropyltoluene	18.55	1.0	20	0	92.8	74 - 126				
4-Methyl-2-pentanone	30.75	2.0	40	0	76.9	70 - 130				
Acetone	32.1	2.0	40	0	80.2	70 - 130				
Benzene	16.56	1.0	20	0	82.8	74 - 120				
Bromobenzene	17.29	1.0	20	0	86.4	78 - 113				
Bromodichloromethane	16.35	1.0	20	0	81.7	74 - 122				
Bromoform	20.31	1.0	20	0	102	73 - 128				
Bromomethane	14.11	1.0	20	0	70.6	70 - 130				

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Client: WSP USA
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QC BATCH REPORT

Batch ID: R422787 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCS Sample ID: **VLCSW-221129** Units: **ug/L** Analysis Date: **30-Nov-2022 01:47**
Client ID: Run ID: **VOA11_422787** SeqNo: **7004998** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	29.22	2.0	40	0	73.0	70 - 130				
Carbon tetrachloride	20.12	1.0	20	0	101	71 - 125				
Chlorobenzene	17.02	1.0	20	0	85.1	76 - 113				
Chloroethane	14.17	1.0	20	0	70.8	70 - 130				
Chloroform	15.88	1.0	20	0	79.4	71 - 121				
Chloromethane	12.35	1.0	20	0	61.7	70 - 129				S
cis-1,2-Dichloroethene	15.22	1.0	20	0	76.1	75 - 122				
cis-1,3-Dichloropropene	17.67	1.0	20	0	88.3	73 - 127				
Cyclohexane	15.68	1.0	20	0	78.4	70 - 130				
Dibromochloromethane	18.14	1.0	20	0	90.7	77 - 122				
Dichlorodifluoromethane	19.68	1.0	20	0	98.4	70 - 130				
Ethylbenzene	17.39	1.0	20	0	86.9	77 - 117				
Hexachlorobutadiene	26.84	1.0	20	0	134	70 - 130				S
Isopropylbenzene	19.66	1.0	20	0	98.3	73 - 127				
m,p-Xylene	35.06	2.0	40	0	87.7	77 - 122				
Methyl acetate	15.78	1.0	20	0	78.9	76 - 122				
Methyl tert-butyl ether	16.75	1.0	20	0	83.8	70 - 130				
Methylcyclohexane	19.48	1.0	20	0	97.4	61 - 157				
Methylene chloride	15.8	2.0	20	0	79.0	70 - 127				
n-Butylbenzene	17.02	1.0	20	0	85.1	72 - 130				
n-Propylbenzene	18.03	1.0	20	0	90.2	73 - 124				
o-Xylene	17.59	1.0	20	0	88.0	75 - 119				
sec-Butylbenzene	19.22	1.0	20	0	96.1	73 - 128				
Styrene	17.85	1.0	20	0	89.3	72 - 126				
tert-Butylbenzene	18.68	1.0	20	0	93.4	73 - 124				
Tetrachloroethene	21.39	1.0	20	0	107	76 - 119				
Toluene	16.69	1.0	20	0	83.5	77 - 118				
trans-1,2-Dichloroethene	15.91	1.0	20	0	79.6	72 - 127				
trans-1,3-Dichloropropene	17.18	1.0	20	0	85.9	77 - 119				
Trichloroethene	18.3	1.0	20	0	91.5	77 - 121				
Trichlorofluoromethane	19.86	1.0	20	0	99.3	70 - 130				
Vinyl chloride	14.09	1.0	20	0	70.5	70 - 130				
Xylenes, Total	52.65	1.0	60	0	87.8	75 - 122				
Surr: 1,2-Dichloroethane-d4	*40.2*	*1.0*	*50*	*0*	*80.4*	*70 - 123*				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422787 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCS Sample ID: **VLCSW-221129** Units: **ug/L** Analysis Date: **30-Nov-2022 01:47**
Client ID: Run ID: **VOA11_422787** SeqNo: **7004998** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	*50.47*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*46.03*	*1.0*	*50*	*0*	*92.1*	*73 - 126*				
Surr: Toluene-d8	*46.66*	*1.0*	*50*	*0*	*93.3*	*81 - 120*				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422787 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MS Sample ID: **HS22111328-30MS** Units: **ug/L** Analysis Date: **30-Nov-2022 03:17**
Client ID: **MW-41** Run ID: **VOA11_422787** SeqNo: **7005001** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	17.36	1.0	20	0	86.8	70 - 120				
1,1,1-Trichloroethane	17.21	1.0	20	0	86.0	70 - 130				
1,1,2,2-Tetrachloroethane	14.35	1.0	20	0	71.8	70 - 123				
1,1,2-Trichlor-1,2,2-trifluoroethane	19.89	1.0	20	0	99.5	70 - 130				
1,1,2-Trichloroethane	14.48	1.0	20	0	72.4	70 - 117				
1,1-Dichloroethane	14.11	1.0	20	0	70.6	70 - 127				
1,1-Dichloroethene	17.12	1.0	20	1.158	79.8	70 - 130				
1,1-Dichloropropene	17.34	1.0	20	0	86.7	70 - 129				
1,2,3-Trichlorobenzene	18.03	1.0	20	0	90.1	70 - 130				
1,2,3-Trichloropropane	15.96	1.0	20	0	79.8	70 - 130				
1,2,4-Trichlorobenzene	17.49	1.0	20	0	87.5	70 - 125				
1,2,4-Trimethylbenzene	14.36	1.0	20	0	71.8	70 - 125				
1,2-Dibromo-3-chloropropane	14.36	1.0	20	0	71.8	70 - 130				
1,2-Dibromoethane	16.43	1.0	20	0	82.2	70 - 124				
1,2-Dichlorobenzene	14.04	1.0	20	0	70.2	70 - 115				
1,2-Dichloroethane	15.24	1.0	20	0	76.2	70 - 127				
1,2-Dichloropropane	13.92	1.0	20	0	69.6	70 - 122				S
1,3,5-Trimethylbenzene	14.18	1.0	20	0	70.9	70 - 126				
1,3-Dichlorobenzene	15.17	1.0	20	0	75.8	70 - 119				
1,3-Dichloropropane	14.89	1.0	20	0	74.5	70 - 121				
1,4-Dichlorobenzene	15.21	1.0	20	0	76.1	70 - 114				
2,2-Dichloropropane	14.12	1.0	20	0	70.6	70 - 130				
2-Butanone	24.95	2.0	40	0	62.4	70 - 130				S
2-Chlorotoluene	14.02	1.0	20	0	70.1	70 - 130				
2-Hexanone	25.83	2.0	40	0	64.6	70 - 130				S
4-Chlorotoluene	14.64	1.0	20	0	73.2	70 - 130				
4-Isopropyltoluene	16.77	1.0	20	0	83.9	70 - 130				
4-Methyl-2-pentanone	26.83	2.0	40	0	67.1	70 - 130				S
Acetone	27.58	2.0	40	0	69.0	70 - 130				S
Benzene	15.95	1.0	20	0	79.7	70 - 127				
Bromobenzene	16.06	1.0	20	0	80.3	70 - 115				
Bromodichloromethane	15.37	1.0	20	0	76.8	70 - 124				
Bromoform	17.49	1.0	20	0	87.4	70 - 129				
Bromomethane	10.92	1.0	20	0	54.6	70 - 130				S

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Client: WSP USA
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WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422787 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MS Sample ID: **HS22111328-30MS** Units: **ug/L** Analysis Date: **30-Nov-2022 03:17**
Client ID: **MW-41** Run ID: **VOA11_422787** SeqNo: **7005001** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	29.8	2.0	40	0	74.5	70 - 130				
Carbon tetrachloride	19.95	1.0	20	0	99.8	70 - 130				
Chlorobenzene	15.35	1.0	20	0	76.8	70 - 114				
Chloroethane	13.63	1.0	20	0	68.2	70 - 130				S
Chloroform	15.14	1.0	20	0	75.7	70 - 125				
Chloromethane	13.12	1.0	20	0	65.6	70 - 130				S
cis-1,2-Dichloroethene	15.09	1.0	20	0	75.5	70 - 128				
cis-1,3-Dichloropropene	15.49	1.0	20	0	77.5	70 - 125				
Cyclohexane	15.1	1.0	20	0	75.5	70 - 130				
Dibromochloromethane	15.98	1.0	20	0	79.9	70 - 124				
Dichlorodifluoromethane	22.07	1.0	20	0	110	70 - 130				
Ethylbenzene	16	1.0	20	0	80.0	70 - 124				
Hexachlorobutadiene	24.57	1.0	20	0	123	70 - 130				
Isopropylbenzene	17.74	1.0	20	0	88.7	70 - 130				
m,p-Xylene	32.11	2.0	40	0	80.3	70 - 130				
Methyl acetate	10.85	1.0	20	0	54.3	76 - 122				S
Methyl tert-butyl ether	15.18	1.0	20	0	75.9	70 - 130				
Methylcyclohexane	15.5	1.0	20	0	77.5	61 - 158				
Methylene chloride	15.08	2.0	20	0	75.4	70 - 128				
n-Butylbenzene	15.08	1.0	20	0	75.4	70 - 130				
n-Propylbenzene	15.81	1.0	20	0	79.0	70 - 130				
o-Xylene	15.49	1.0	20	0	77.4	70 - 124				
sec-Butylbenzene	17.44	1.0	20	0	87.2	70 - 130				
Styrene	15.17	1.0	20	0	75.9	70 - 130				
tert-Butylbenzene	17	1.0	20	0	85.0	70 - 130				
Tetrachloroethene	19.59	1.0	20	0	97.9	70 - 130				
Toluene	15.22	1.0	20	0	76.1	70 - 123				
trans-1,2-Dichloroethene	15.07	1.0	20	0	75.4	70 - 130				
trans-1,3-Dichloropropene	15.23	1.0	20	0	76.2	70 - 121				
Trichloroethene	16.75	1.0	20	0	83.8	70 - 129				
Trichlorofluoromethane	21.7	1.0	20	0	108	70 - 130				
Vinyl chloride	14.21	1.0	20	0	71.0	70 - 130				
Xylenes, Total	47.6	1.0	60	0	79.3	70 - 130				
Surr: 1,2-Dichloroethane-d4	*41.33*	*1.0*	*50*	*0*	*82.7*	*70 - 126*				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422787 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MS Sample ID: **HS22111328-30MS** Units: **ug/L** Analysis Date: **30-Nov-2022 03:17**
Client ID: **MW-41** Run ID: **VOA11_422787** SeqNo: **7005001** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	*50.91*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*46.04*	*1.0*	*50*	*0*	*92.1*	*77 - 123*				
Surr: Toluene-d8	*46.13*	*1.0*	*50*	*0*	*92.3*	*82 - 127*				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422787 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS22111328-30MSD** Units: **ug/L** Analysis Date: **30-Nov-2022 03:40**
Client ID: **MW-41** Run ID: **VOA11_422787** SeqNo: **7005002** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	17.67	1.0	20	0	88.4	70 - 120	17.36	1.8	20	
1,1,1-Trichloroethane	16.46	1.0	20	0	82.3	70 - 130	17.21	4.47	20	
1,1,2,2-Tetrachloroethane	14.92	1.0	20	0	74.6	70 - 123	14.35	3.88	20	
1,1,2-Trichlor-1,2,2-trifluoroethane	18.75	1.0	20	0	93.8	70 - 130	19.89	5.91	20	
1,1,2-Trichloroethane	15.4	1.0	20	0	77.0	70 - 117	14.48	6.17	20	
1,1-Dichloroethane	13.54	1.0	20	0	67.7	70 - 127	14.11	4.11	20	S
1,1-Dichloroethene	16.77	1.0	20	1.158	78.1	70 - 130	17.12	2.04	20	
1,1-Dichloropropene	16.88	1.0	20	0	84.4	70 - 129	17.34	2.65	20	
1,2,3-Trichlorobenzene	19.54	1.0	20	0	97.7	70 - 130	18.03	8.07	20	
1,2,3-Trichloropropane	16.86	1.0	20	0	84.3	70 - 130	15.96	5.47	20	
1,2,4-Trichlorobenzene	18.75	1.0	20	0	93.8	70 - 125	17.49	6.95	20	
1,2,4-Trimethylbenzene	15.1	1.0	20	0	75.5	70 - 125	14.36	5.05	20	
1,2-Dibromo-3-chloropropane	15.7	1.0	20	0	78.5	70 - 130	14.36	8.92	20	
1,2-Dibromoethane	17.16	1.0	20	0	85.8	70 - 124	16.43	4.33	20	
1,2-Dichlorobenzene	15.13	1.0	20	0	75.7	70 - 115	14.04	7.5	20	
1,2-Dichloroethane	15.11	1.0	20	0	75.6	70 - 127	15.24	0.853	20	
1,2-Dichloropropane	14.1	1.0	20	0	70.5	70 - 122	13.92	1.27	20	
1,3,5-Trimethylbenzene	14.85	1.0	20	0	74.2	70 - 126	14.18	4.59	20	
1,3-Dichlorobenzene	16.42	1.0	20	0	82.1	70 - 119	15.17	7.9	20	
1,3-Dichloropropane	14.83	1.0	20	0	74.1	70 - 121	14.89	0.43	20	
1,4-Dichlorobenzene	15.96	1.0	20	0	79.8	70 - 114	15.21	4.78	20	
2,2-Dichloropropane	13.88	1.0	20	0	69.4	70 - 130	14.12	1.76	20	S
2-Butanone	25.55	2.0	40	0	63.9	70 - 130	24.95	2.37	20	S
2-Chlorotoluene	14.98	1.0	20	0	74.9	70 - 130	14.02	6.63	20	
2-Hexanone	26.68	2.0	40	0	66.7	70 - 130	25.83	3.24	20	S
4-Chlorotoluene	15.25	1.0	20	0	76.2	70 - 130	14.64	4.04	20	
4-Isopropyltoluene	17.71	1.0	20	0	88.5	70 - 130	16.77	5.44	20	
4-Methyl-2-pentanone	27.02	2.0	40	0	67.5	70 - 130	26.83	0.709	20	S
Acetone	28.57	2.0	40	0	71.4	70 - 130	27.58	3.52	20	
Benzene	15.41	1.0	20	0	77.1	70 - 127	15.95	3.41	20	
Bromobenzene	16.6	1.0	20	0	83.0	70 - 115	16.06	3.3	20	
Bromodichloromethane	15.11	1.0	20	0	75.5	70 - 124	15.37	1.72	20	
Bromoform	18.26	1.0	20	0	91.3	70 - 129	17.49	4.33	20	
Bromomethane	11.29	1.0	20	0	56.5	70 - 130	10.92	3.36	20	S

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422787 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS22111328-30MSD** Units: **ug/L** Analysis Date: **30-Nov-2022 03:40**
Client ID: **MW-41** Run ID: **VOA11_422787** SeqNo: **7005002** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Carbon disulfide	27.65	2.0	40	0	69.1	70 - 130	29.8	7.48	20	S
Carbon tetrachloride	18.94	1.0	20	0	94.7	70 - 130	19.95	5.22	20	
Chlorobenzene	15.8	1.0	20	0	79.0	70 - 114	15.35	2.86	20	
Chloroethane	12.46	1.0	20	0	62.3	70 - 130	13.63	9	20	S
Chloroform	15.02	1.0	20	0	75.1	70 - 125	15.14	0.804	20	
Chloromethane	11.85	1.0	20	0	59.3	70 - 130	13.12	10.2	20	S
cis-1,2-Dichloroethene	14.57	1.0	20	0	72.8	70 - 128	15.09	3.54	20	
cis-1,3-Dichloropropene	15.11	1.0	20	0	75.6	70 - 125	15.49	2.47	20	
Cyclohexane	13.96	1.0	20	0	69.8	70 - 130	15.1	7.83	20	S
Dibromochloromethane	16.48	1.0	20	0	82.4	70 - 124	15.98	3.09	20	
Dichlorodifluoromethane	20.06	1.0	20	0	100	70 - 130	22.07	9.53	20	
Ethylbenzene	16.39	1.0	20	0	81.9	70 - 124	16	2.39	20	
Hexachlorobutadiene	24.72	1.0	20	0	124	70 - 130	24.57	0.601	20	
Isopropylbenzene	18.4	1.0	20	0	92.0	70 - 130	17.74	3.67	20	
m,p-Xylene	33.34	2.0	40	0	83.3	70 - 130	32.11	3.75	20	
Methyl acetate	10.5	1.0	20	0	52.5	76 - 122	10.85	3.28	20	S
Methyl tert-butyl ether	15.4	1.0	20	0	77.0	70 - 130	15.18	1.46	20	
Methylcyclohexane	16.26	1.0	20	0	81.3	61 - 158	15.5	4.77	20	
Methylene chloride	15.01	2.0	20	0	75.0	70 - 128	15.08	0.508	20	
n-Butylbenzene	16.45	1.0	20	0	82.3	70 - 130	15.08	8.67	20	
n-Propylbenzene	16.92	1.0	20	0	84.6	70 - 130	15.81	6.8	20	
o-Xylene	15.83	1.0	20	0	79.1	70 - 124	15.49	2.15	20	
sec-Butylbenzene	18.3	1.0	20	0	91.5	70 - 130	17.44	4.82	20	
Styrene	15.89	1.0	20	0	79.5	70 - 130	15.17	4.64	20	
tert-Butylbenzene	17.91	1.0	20	0	89.5	70 - 130	17	5.21	20	
Tetrachloroethene	20.02	1.0	20	0	100	70 - 130	19.59	2.2	20	
Toluene	15.14	1.0	20	0	75.7	70 - 123	15.22	0.522	20	
trans-1,2-Dichloroethene	15.07	1.0	20	0	75.4	70 - 130	15.07	0.0176	20	
trans-1,3-Dichloropropene	15.45	1.0	20	0	77.3	70 - 121	15.23	1.45	20	
Trichloroethene	17.37	1.0	20	0	86.8	70 - 129	16.75	3.6	20	
Trichlorofluoromethane	20.7	1.0	20	0	104	70 - 130	21.7	4.71	20	
Vinyl chloride	13.28	1.0	20	0	66.4	70 - 130	14.21	6.77	20	S
Xylenes, Total	49.16	1.0	60	0	81.9	70 - 130	47.6	3.23	20	
Surr: 1,2-Dichloroethane-d4	*40.55*	*1.0*	*50*	*0*	*81.1*	*70 - 126*	*41.33*	*1.9*	*20*	

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422787 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MSD Sample ID: **HS22111328-30MSD** Units: **ug/L** Analysis Date: **30-Nov-2022 03:40**
Client ID: **MW-41** Run ID: **VOA11_422787** SeqNo: **7005002** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	*52.7*	*1.0*	*50*	*0*	*105*	*77 - 113*	*50.91*	*3.45*	*20*	
Surr: Dibromofluoromethane	*45.42*	*1.0*	*50*	*0*	*90.8*	*77 - 123*	*46.04*	*1.35*	*20*	
Surr: Toluene-d8	*46.09*	*1.0*	*50*	*0*	*92.2*	*82 - 127*	*46.13*	*0.086*	*20*	

The following samples were analyzed in this batch: HS22111328-11 HS22111328-12 HS22111328-15 HS22111328-30

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422881 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-221130** Units: **ug/L** Analysis Date: **30-Nov-2022 13:49**
Client ID: Run ID: **VOA11_422881** SeqNo: **7007128** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	1.0								
1,1,2-Trichlor-1,2,2-trifluoroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,1-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,3-Trichloropropane	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	1.0								
1,2-Dibromoethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,2-Dichloroethane	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,3-Dichloropropane	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
2,2-Dichloropropane	ND	1.0								
2-Butanone	ND	2.0								
2-Chlorotoluene	ND	1.0								
2-Hexanone	ND	2.0								
4-Chlorotoluene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	2.0								
Acetone	ND	2.0								
Benzene	ND	1.0								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	1.0								

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ALS Houston, US Date: 09-Dec-22

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QC BATCH REPORT

Batch ID: R422881 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-221130** Units: **ug/L** Analysis Date: **30-Nov-2022 13:49**
Client ID: Run ID: **VOA11_422881** SeqNo: **7007128** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Carbon disulfide	ND	2.0							
Carbon tetrachloride	ND	1.0							
Chlorobenzene	ND	1.0							
Chloroethane	ND	1.0							
Chloroform	ND	1.0							
Chloromethane	ND	1.0							
cis-1,2-Dichloroethene	ND	1.0							
cis-1,3-Dichloropropene	ND	1.0							
Cyclohexane	ND	1.0							
Dibromochloromethane	ND	1.0							
Dichlorodifluoromethane	ND	1.0							
Ethylbenzene	ND	1.0							
Hexachlorobutadiene	ND	1.0							
Isopropylbenzene	ND	1.0							
m,p-Xylene	ND	2.0							
Methyl acetate	ND	1.0							
Methyl tert-butyl ether	ND	1.0							
Methylcyclohexane	ND	1.0							
Methylene chloride	ND	2.0							
n-Butylbenzene	ND	1.0							
n-Propylbenzene	ND	1.0							
o-Xylene	ND	1.0							
sec-Butylbenzene	ND	1.0							
Styrene	ND	1.0							
tert-Butylbenzene	ND	1.0							
Tetrachloroethene	ND	1.0							
Toluene	ND	1.0							
trans-1,2-Dichloroethene	ND	1.0							
trans-1,3-Dichloropropene	ND	1.0							
Trichloroethene	ND	1.0							
Trichlorofluoromethane	ND	1.0							
Vinyl chloride	ND	1.0							
Xylenes, Total	ND	1.0							
Surr: 1,2-Dichloroethane-d4	*43.83*	*1.0*	*50*	*0*	*87.7*	*70 - 123*			

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422881 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-221130** Units: **ug/L** Analysis Date: **30-Nov-2022 13:49**
Client ID: Run ID: **VOA11_422881** SeqNo: **7007128** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Surr: 4-Bromofluorobenzene	*51.44*	*1.0*	*50*	*0*	*103*	*77 - 113*			
Surr: Dibromofluoromethane	*48.8*	*1.0*	*50*	*0*	*97.6*	*73 - 126*			
Surr: Toluene-d8	*46.78*	*1.0*	*50*	*0*	*93.6*	*81 - 120*			

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422881 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCS Sample ID: **VLCSW-221130** Units: **ug/L** Analysis Date: **30-Nov-2022 15:44**
Client ID: Run ID: **VOA11_422881** SeqNo: **7007132** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	22.19	1.0	20	0	111	77 - 118				
1,1,1-Trichloroethane	22.33	1.0	20	0	112	70 - 130				
1,1,2,2-Tetrachloroethane	18.25	1.0	20	0	91.2	70 - 120				
1,1,2-Trichlor-1,2,2-trifluoroethane	30.48	1.0	20	0	152	70 - 130				S
1,1,2-Trichloroethane	18.74	1.0	20	0	93.7	77 - 113				
1,1-Dichloroethane	18.09	1.0	20	0	90.4	71 - 122				
1,1-Dichloroethene	19.81	1.0	20	0	99.0	70 - 130				
1,1-Dichloropropene	21.1	1.0	20	0	105	78 - 118				
1,2,3-Trichlorobenzene	25.58	1.0	20	0	128	70 - 130				
1,2,3-Trichloropropane	20.77	1.0	20	0	104	70 - 127				
1,2,4-Trichlorobenzene	23.92	1.0	20	0	120	77 - 126				
1,2,4-Trimethylbenzene	18.64	1.0	20	0	93.2	73 - 121				
1,2-Dibromo-3-chloropropane	23.86	1.0	20	0	119	70 - 130				
1,2-Dibromoethane	21.89	1.0	20	0	109	76 - 123				
1,2-Dichlorobenzene	18.69	1.0	20	0	93.5	77 - 113				
1,2-Dichloroethane	18.68	1.0	20	0	93.4	70 - 124				
1,2-Dichloropropane	18.4	1.0	20	0	92.0	72 - 119				
1,3,5-Trimethylbenzene	18.34	1.0	20	0	91.7	75 - 118				
1,3-Dichlorobenzene	20.73	1.0	20	0	104	78 - 118				
1,3-Dichloropropane	19.53	1.0	20	0	97.7	75 - 116				
1,4-Dichlorobenzene	20.03	1.0	20	0	100	79 - 113				
2,2-Dichloropropane	23.34	1.0	20	0	117	70 - 130				
2-Butanone	33.58	2.0	40	0	83.9	70 - 130				
2-Chlorotoluene	18.98	1.0	20	0	94.9	70 - 128				
2-Hexanone	33.14	2.0	40	0	82.9	70 - 130				
4-Chlorotoluene	19.51	1.0	20	0	97.6	74 - 126				
4-Isopropyltoluene	22.21	1.0	20	0	111	74 - 126				
4-Methyl-2-pentanone	33.91	2.0	40	0	84.8	70 - 130				
Acetone	34.93	2.0	40	0	87.3	70 - 130				
Benzene	19.59	1.0	20	0	97.9	74 - 120				
Bromobenzene	21.3	1.0	20	0	107	78 - 113				
Bromodichloromethane	18.95	1.0	20	0	94.7	74 - 122				
Bromoform	22.14	1.0	20	0	111	73 - 128				
Bromomethane	18.32	1.0	20	0	91.6	70 - 130				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422881 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCS Sample ID: **VLCSW-221130** Units: **ug/L** Analysis Date: **30-Nov-2022 15:44**
Client ID: Run ID: **VOA11_422881** SeqNo: **7007132** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	34.79	2.0	40	0	87.0	70 - 130				
Carbon tetrachloride	23.38	1.0	20	0	117	71 - 125				
Chlorobenzene	19.78	1.0	20	0	98.9	76 - 113				
Chloroethane	17.95	1.0	20	0	89.8	70 - 130				
Chloroform	19.25	1.0	20	0	96.3	71 - 121				
Chloromethane	19.92	1.0	20	0	99.6	70 - 129				
cis-1,2-Dichloroethene	18.37	1.0	20	0	91.8	75 - 122				
cis-1,3-Dichloropropene	21.8	1.0	20	0	109	73 - 127				
Cyclohexane	19.05	1.0	20	0	95.3	70 - 130				
Dibromochloromethane	21.13	1.0	20	0	106	77 - 122				
Dichlorodifluoromethane	37.04	1.0	20	0	185	70 - 130				S
Ethylbenzene	20.47	1.0	20	0	102	77 - 117				
Hexachlorobutadiene	32.89	1.0	20	0	164	70 - 130				S
Isopropylbenzene	22.86	1.0	20	0	114	73 - 127				
m,p-Xylene	41.68	2.0	40	0	104	77 - 122				
Methyl acetate	16.11	1.0	20	0	80.6	76 - 122				
Methyl tert-butyl ether	21.5	1.0	20	0	108	70 - 130				
Methylcyclohexane	20.13	1.0	20	0	101	61 - 157				
Methylene chloride	20.12	2.0	20	0	101	70 - 127				
n-Butylbenzene	20.35	1.0	20	0	102	72 - 130				
n-Propylbenzene	20.75	1.0	20	0	104	73 - 124				
o-Xylene	20.47	1.0	20	0	102	75 - 119				
sec-Butylbenzene	22.75	1.0	20	0	114	73 - 128				
Styrene	21.05	1.0	20	0	105	72 - 126				
tert-Butylbenzene	22.65	1.0	20	0	113	73 - 124				
Tetrachloroethene	23.44	1.0	20	0	117	76 - 119				
Toluene	19.43	1.0	20	0	97.1	77 - 118				
trans-1,2-Dichloroethene	19.3	1.0	20	0	96.5	72 - 127				
trans-1,3-Dichloropropene	20.7	1.0	20	0	103	77 - 119				
Trichloroethene	21.14	1.0	20	0	106	77 - 121				
Trichlorofluoromethane	26.23	1.0	20	0	131	70 - 130				S
Vinyl chloride	19.33	1.0	20	0	96.6	70 - 130				
Xylenes, Total	62.15	1.0	60	0	104	75 - 122				
Surr: 1,2-Dichloroethane-d4	*42.63*	*1.0*	*50*	*0*	*85.3*	*70 - 123*				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422881 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCS Sample ID: **VLCSW-221130** Units: **ug/L** Analysis Date: **30-Nov-2022 15:44**
Client ID: Run ID: **VOA11_422881** SeqNo: **7007132** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Surr: 4-Bromofluorobenzene	*52.34*	*1.0*	*50*	*0*	*105*	*77 - 113*			
Surr: Dibromofluoromethane	*48.05*	*1.0*	*50*	*0*	*96.1*	*73 - 126*			
Surr: Toluene-d8	*47.57*	*1.0*	*50*	*0*	*95.1*	*81 - 120*			

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422881 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MS Sample ID: **HS22111328-16MS** Units: **ug/L** Analysis Date: **30-Nov-2022 14:59**
Client ID: **ESP Equipment Rinsate ESP PUMP** Run ID: **VOA11_422881** SeqNo: **7007130** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	18.71	1.0	20	0	93.5	70 - 120				
1,1,1-Trichloroethane	20.27	1.0	20	0	101	70 - 130				
1,1,2,2-Tetrachloroethane	16.08	1.0	20	0	80.4	70 - 123				
1,1,2-Trichlor-1,2,2-trifluoroethane	24.9	1.0	20	0	124	70 - 130				
1,1,2-Trichloroethane	16.14	1.0	20	0	80.7	70 - 117				
1,1-Dichloroethane	16.26	1.0	20	0	81.3	70 - 127				
1,1-Dichloroethene	18.85	1.0	20	0	94.2	70 - 130				
1,1-Dichloropropene	19.68	1.0	20	0	98.4	70 - 129				
1,2,3-Trichlorobenzene	22.16	1.0	20	0	111	70 - 130				
1,2,3-Trichloropropane	17.94	1.0	20	0	89.7	70 - 130				
1,2,4-Trichlorobenzene	21.49	1.0	20	0	107	70 - 125				
1,2,4-Trimethylbenzene	17.39	1.0	20	0	87.0	70 - 125				
1,2-Dibromo-3-chloropropane	20.12	1.0	20	0	101	70 - 130				
1,2-Dibromoethane	18.14	1.0	20	0	90.7	70 - 124				
1,2-Dichlorobenzene	16.38	1.0	20	0	81.9	70 - 115				
1,2-Dichloroethane	17.28	1.0	20	0	86.4	70 - 127				
1,2-Dichloropropane	16.27	1.0	20	0	81.3	70 - 122				
1,3,5-Trimethylbenzene	0.6873	1.0	20	0	3.44	70 - 126				JS
1,3-Dichlorobenzene	18.17	1.0	20	0	90.8	70 - 119				
1,3-Dichloropropane	16.91	1.0	20	0	84.5	70 - 121				
1,4-Dichlorobenzene	17.88	1.0	20	0	89.4	70 - 114				
2,2-Dichloropropane	20.69	1.0	20	0	103	70 - 130				
2-Butanone	29.86	2.0	40	0	74.6	70 - 130				
2-Chlorotoluene	16.83	1.0	20	0	84.1	70 - 130				
2-Hexanone	29.66	2.0	40	0	74.2	70 - 130				
4-Chlorotoluene	15.49	1.0	20	0	77.4	70 - 130				
4-Isopropyltoluene	20.98	1.0	20	0	105	70 - 130				
4-Methyl-2-pentanone	30.16	2.0	40	0	75.4	70 - 130				
Acetone	33.65	2.0	40	0.8381	82.0	70 - 130				
Benzene	17.81	1.0	20	0	89.1	70 - 127				
Bromobenzene	18.61	1.0	20	0	93.0	70 - 115				
Bromodichloromethane	16.77	1.0	20	0.6154	80.8	70 - 124				
Bromoform	22.66	1.0	20	0	113	70 - 129				
Bromomethane	12.59	1.0	20	0	62.9	70 - 130				S

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Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422881 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MS Sample ID: **HS22111328-16MS** Units: **ug/L** Analysis Date: **30-Nov-2022 14:59**
Client ID: **ESP Equipment Rinsate ESP PUMP** Run ID: **VOA11_422881** SeqNo: **7007130** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	29.6	2.0	40	0	74.0	70 - 130				
Carbon tetrachloride	21.1	1.0	20	0	105	70 - 130				
Chlorobenzene	17.18	1.0	20	0	85.9	70 - 114				
Chloroethane	15.06	1.0	20	0	75.3	70 - 130				
Chloroform	17.57	1.0	20	0	87.8	70 - 125				
Chloromethane	23.72	1.0	20	0	119	70 - 130				
cis-1,2-Dichloroethene	16.33	1.0	20	0	81.7	70 - 128				
cis-1,3-Dichloropropene	17.87	1.0	20	0	89.3	70 - 125				
Cyclohexane	17.87	1.0	20	0	89.3	70 - 130				
Dibromochloromethane	19.92	1.0	20	2.078	89.2	70 - 124				
Dichlorodifluoromethane	31.63	1.0	20	0	158	70 - 130				S
Ethylbenzene	17.67	1.0	20	0	88.4	70 - 124				
Hexachlorobutadiene	28.6	1.0	20	0	143	70 - 130				S
Isopropylbenzene	20.05	1.0	20	0	100	70 - 130				
m,p-Xylene	35.12	2.0	40	0	87.8	70 - 130				
Methyl acetate	14.49	1.0	20	0	72.5	76 - 122				S
Methyl tert-butyl ether	18.5	1.0	20	0	92.5	70 - 130				
Methylcyclohexane	17.35	1.0	20	0	86.8	61 - 158				
Methylene chloride	17.44	2.0	20	0	87.2	70 - 128				
n-Butylbenzene	20.6	1.0	20	0	103	70 - 130				
n-Propylbenzene	18.95	1.0	20	0	94.8	70 - 130				
o-Xylene	17.04	1.0	20	0	85.2	70 - 124				
sec-Butylbenzene	21.06	1.0	20	0	105	70 - 130				
Styrene	0.4973	1.0	20	0	2.49	70 - 130				JS
tert-Butylbenzene	20.12	1.0	20	0	101	70 - 130				
Tetrachloroethene	21.51	1.0	20	0	108	70 - 130				
Toluene	16.96	1.0	20	0	84.8	70 - 123				
trans-1,2-Dichloroethene	16.92	1.0	20	0	84.6	70 - 130				
trans-1,3-Dichloropropene	17.42	1.0	20	0	87.1	70 - 121				
Trichloroethene	18.72	1.0	20	0	93.6	70 - 129				
Trichlorofluoromethane	21.73	1.0	20	0	109	70 - 130				
Vinyl chloride	19.38	1.0	20	0	96.9	70 - 130				
Xylenes, Total	52.15	1.0	60	0	86.9	70 - 130				
Surr: 1,2-Dichloroethane-d4	*45.02*	*1.0*	*50*	*0*	*90.0*	*70 - 126*				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422881 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MS Sample ID: **HS22111328-16MS** Units: **ug/L** Analysis Date: **30-Nov-2022 14:59**
Client ID: **ESP Equipment Rinsate ESP PUMP** Run ID: **VOA11_422881** SeqNo: **7007130** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	*53.32*	*1.0*	*50*	*0*	*107*	*77 - 113*				
Surr: Dibromofluoromethane	*48.27*	*1.0*	*50*	*0*	*96.5*	*77 - 123*				
Surr: Toluene-d8	*47.16*	*1.0*	*50*	*0*	*94.3*	*82 - 127*				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422881 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS22111328-16MSD** Units: **ug/L** Analysis Date: **30-Nov-2022 15:21**
Client ID: **ESP Equipment Rinsate ESP PUMP** Run ID: **VOA11_422881** SeqNo: **7007131** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	18.24	1.0	20	0	91.2	70 - 120	18.71	2.5	20	
1,1,1-Trichloroethane	18.52	1.0	20	0	92.6	70 - 130	20.27	9.01	20	
1,1,2,2-Tetrachloroethane	14.88	1.0	20	0	74.4	70 - 123	16.08	7.76	20	
1,1,2-Trichlor-1,2,2-trifluoroethane	22.36	1.0	20	0	112	70 - 130	24.9	10.7	20	
1,1,2-Trichloroethane	15.7	1.0	20	0	78.5	70 - 117	16.14	2.78	20	
1,1-Dichloroethane	14.78	1.0	20	0	73.9	70 - 127	16.26	9.53	20	
1,1-Dichloroethene	16.77	1.0	20	0	83.8	70 - 130	18.85	11.7	20	
1,1-Dichloropropene	18.22	1.0	20	0	91.1	70 - 129	19.68	7.69	20	
1,2,3-Trichlorobenzene	21.22	1.0	20	0	106	70 - 130	22.16	4.31	20	
1,2,3-Trichloropropane	17.03	1.0	20	0	85.2	70 - 130	17.94	5.17	20	
1,2,4-Trichlorobenzene	19.36	1.0	20	0	96.8	70 - 125	21.49	10.4	20	
1,2,4-Trimethylbenzene	14	1.0	20	0	70.0	70 - 125	17.39	21.7	20	SR
1,2-Dibromo-3-chloropropane	23.62	1.0	20	0	118	70 - 130	20.12	16	20	
1,2-Dibromoethane	17.46	1.0	20	0	87.3	70 - 124	18.14	3.79	20	
1,2-Dichlorobenzene	15.29	1.0	20	0	76.5	70 - 115	16.38	6.9	20	
1,2-Dichloroethane	15.92	1.0	20	0	79.6	70 - 127	17.28	8.21	20	
1,2-Dichloropropane	14.86	1.0	20	0	74.3	70 - 122	16.27	9.03	20	
1,3,5-Trimethylbenzene	0.393	1.0	20	0	1.97	70 - 126	0.6873	0	20	JS
1,3-Dichlorobenzene	16.39	1.0	20	0	81.9	70 - 119	18.17	10.3	20	
1,3-Dichloropropane	15.9	1.0	20	0	79.5	70 - 121	16.91	6.13	20	
1,4-Dichlorobenzene	16.66	1.0	20	0	83.3	70 - 114	17.88	7.06	20	
2,2-Dichloropropane	18.36	1.0	20	0	91.8	70 - 130	20.69	12	20	
2-Butanone	28.06	2.0	40	0	70.1	70 - 130	29.86	6.21	20	
2-Chlorotoluene	15.41	1.0	20	0	77.0	70 - 130	16.83	8.81	20	
2-Hexanone	27.78	2.0	40	0	69.4	70 - 130	29.66	6.56	20	S
4-Chlorotoluene	14.24	1.0	20	0	71.2	70 - 130	15.49	8.42	20	
4-Isopropyltoluene	18.54	1.0	20	0	92.7	70 - 130	20.98	12.3	20	
4-Methyl-2-pentanone	28.75	2.0	40	0	71.9	70 - 130	30.16	4.78	20	
Acetone	32.7	2.0	40	0.8381	79.7	70 - 130	33.65	2.86	20	
Benzene	16.19	1.0	20	0	81.0	70 - 127	17.81	9.52	20	
Bromobenzene	16.97	1.0	20	0	84.9	70 - 115	18.61	9.19	20	
Bromodichloromethane	15.81	1.0	20	0.6154	76.0	70 - 124	16.77	5.91	20	
Bromoform	22.72	1.0	20	0	114	70 - 129	22.66	0.269	20	
Bromomethane	11.75	1.0	20	0	58.7	70 - 130	12.59	6.91	20	S

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
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WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422881 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MSD Sample ID: **HS22111328-16MSD** Units: **ug/L** Analysis Date: **30-Nov-2022 15:21**
Client ID: **ESP Equipment Rinsate ESP PUMP** Run ID: **VOA11_422881** SeqNo: **7007131** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Carbon disulfide	28.74	2.0	40	0	71.9	70 - 130	29.6	2.94	20	
Carbon tetrachloride	19.39	1.0	20	0	96.9	70 - 130	21.1	8.45	20	
Chlorobenzene	15.87	1.0	20	0	79.4	70 - 114	17.18	7.91	20	
Chloroethane	13.03	1.0	20	0	65.1	70 - 130	15.06	14.5	20	S
Chloroform	16.07	1.0	20	0	80.3	70 - 125	17.57	8.94	20	
Chloromethane	20.01	1.0	20	0	100	70 - 130	23.72	16.9	20	
cis-1,2-Dichloroethene	15.54	1.0	20	0	77.7	70 - 128	16.33	4.97	20	
cis-1,3-Dichloropropene	17.3	1.0	20	0	86.5	70 - 125	17.87	3.23	20	
Cyclohexane	15.85	1.0	20	0	79.3	70 - 130	17.87	12	20	
Dibromochloromethane	18.96	1.0	20	2.078	84.4	70 - 124	19.92	4.94	20	
Dichlorodifluoromethane	27.88	1.0	20	0	139	70 - 130	31.63	12.6	20	S
Ethylbenzene	16.91	1.0	20	0	84.5	70 - 124	17.67	4.4	20	
Hexachlorobutadiene	26.6	1.0	20	0	133	70 - 130	28.6	7.22	20	S
Isopropylbenzene	18.58	1.0	20	0	92.9	70 - 130	20.05	7.61	20	
m,p-Xylene	33.07	2.0	40	0	82.7	70 - 130	35.12	6.01	20	
Methyl acetate	13.22	1.0	20	0	66.1	76 - 122	14.49	9.23	20	S
Methyl tert-butyl ether	17.5	1.0	20	0	87.5	70 - 130	18.5	5.56	20	
Methylcyclohexane	18.72	1.0	20	0	93.6	61 - 158	17.35	7.6	20	
Methylene chloride	16.17	2.0	20	0	80.8	70 - 128	17.44	7.6	20	
n-Butylbenzene	17.42	1.0	20	0	87.1	70 - 130	20.6	16.7	20	
n-Propylbenzene	17.39	1.0	20	0	86.9	70 - 130	18.95	8.62	20	
o-Xylene	15.99	1.0	20	0	80.0	70 - 124	17.04	6.32	20	
sec-Butylbenzene	19.14	1.0	20	0	95.7	70 - 130	21.06	9.51	20	
Styrene	0.525	1.0	20	0	2.62	70 - 130	0.4973	0	20	JS
tert-Butylbenzene	18.47	1.0	20	0	92.4	70 - 130	20.12	8.54	20	
Tetrachloroethene	20.06	1.0	20	0	100	70 - 130	21.51	6.99	20	
Toluene	15.57	1.0	20	0	77.8	70 - 123	16.96	8.57	20	
trans-1,2-Dichloroethene	15.63	1.0	20	0	78.2	70 - 130	16.92	7.91	20	
trans-1,3-Dichloropropene	16.74	1.0	20	0	83.7	70 - 121	17.42	3.97	20	
Trichloroethene	17.07	1.0	20	0	85.3	70 - 129	18.72	9.27	20	
Trichlorofluoromethane	19.62	1.0	20	0	98.1	70 - 130	21.73	10.2	20	
Vinyl chloride	14.9	1.0	20	0	74.5	70 - 130	19.38	26.1	20	R
Xylenes, Total	49.06	1.0	60	0	81.8	70 - 130	52.15	6.11	20	
Surr: 1,2-Dichloroethane-d4	*42.76*	*1.0*	*50*	*0*	*85.5*	*70 - 126*	*45.02*	*5.15*	*20*	

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Client: WSP USA
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WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422881 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MSD Sample ID: **HS22111328-16MSD** Units: **ug/L** Analysis Date: **30-Nov-2022 15:21**
Client ID: **ESP Equipment Rinsate ESP PUMP** Run ID: **VOA11_422881** SeqNo: **7007131** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	*51.35*	*1.0*	*50*	*0*	*103*	*77 - 113*	*53.32*	*3.75*	*20*	
Surr: Dibromofluoromethane	*47.8*	*1.0*	*50*	*0*	*95.6*	*77 - 123*	*48.27*	*0.965*	*20*	
Surr: Toluene-d8	*46.12*	*1.0*	*50*	*0*	*92.2*	*82 - 127*	*47.16*	*2.24*	*20*	

The following samples were analyzed in this batch: HS22111328-16 HS22111328-18 HS22111328-21 HS22111328-22 HS22111328-23 HS22111328-24 HS22111328-25

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422893 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-221130** Units: **ug/L** Analysis Date: **01-Dec-2022 01:56**
Client ID: Run ID: **VOA11_422893** SeqNo: **7007731** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	1.0								
1,1,2-Trichlor-1,2,2-trifluoroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,1-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,3-Trichloropropane	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	1.0								
1,2-Dibromoethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,2-Dichloroethane	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,3-Dichloropropane	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
2,2-Dichloropropane	ND	1.0								
2-Butanone	ND	2.0								
2-Chlorotoluene	ND	1.0								
2-Hexanone	ND	2.0								
4-Chlorotoluene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	2.0								
Acetone	ND	2.0								
Benzene	ND	1.0								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	1.0								

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422893 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-221130** Units: **ug/L** Analysis Date: **01-Dec-2022 01:56**
Client ID: Run ID: **VOA11_422893** SeqNo: **7007731** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	ND	2.0								
Carbon tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	1.0								
Chloroform	ND	1.0								
Chloromethane	ND	1.0								
cis-1,2-Dichloroethene	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
Cyclohexane	ND	1.0								
Dibromochloromethane	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
Ethylbenzene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
Isopropylbenzene	ND	1.0								
m,p-Xylene	ND	2.0								
Methyl acetate	ND	1.0								
Methyl tert-butyl ether	ND	1.0								
Methylcyclohexane	ND	1.0								
Methylene chloride	ND	2.0								
n-Butylbenzene	ND	1.0								
n-Propylbenzene	ND	1.0								
o-Xylene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
Tetrachloroethene	ND	1.0								
Toluene	ND	1.0								
trans-1,2-Dichloroethene	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
Trichloroethene	ND	1.0								
Trichlorofluoromethane	ND	1.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.0								
Surr: 1,2-Dichloroethane-d4	*39.67*	*1.0*	*50*	*0*	*79.3*	*70 - 123*				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422893 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MBLK Sample ID: **VBLKW-221130** Units: **ug/L** Analysis Date: **01-Dec-2022 01:56**
Client ID: Run ID: **VOA11_422893** SeqNo: **7007731** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	*50.91*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*46.96*	*1.0*	*50*	*0*	*93.9*	*73 - 126*				
Surr: Toluene-d8	*45.19*	*1.0*	*50*	*0*	*90.4*	*81 - 120*				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422893 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCS Sample ID: **VLCSW-221130** Units: **ug/L** Analysis Date: **01-Dec-2022 01:10**
Client ID: Run ID: **VOA11_422893** SeqNo: **7007730** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	19.47	1.0	20	0	97.4	77 - 118				
1,1,1-Trichloroethane	19.19	1.0	20	0	95.9	70 - 130				
1,1,2,2-Tetrachloroethane	15.49	1.0	20	0	77.4	70 - 120				
1,1,2-Trichlor-1,2,2-trifluoroethane	24.93	1.0	20	0	125	70 - 130				
1,1,2-Trichloroethane	16.49	1.0	20	0	82.5	77 - 113				
1,1-Dichloroethane	15.48	1.0	20	0	77.4	71 - 122				
1,1-Dichloroethene	18.1	1.0	20	0	90.5	70 - 130				
1,1-Dichloropropene	18.64	1.0	20	0	93.2	78 - 118				
1,2,3-Trichlorobenzene	22.92	1.0	20	0	115	70 - 130				
1,2,3-Trichloropropane	16.98	1.0	20	0	84.9	70 - 127				
1,2,4-Trichlorobenzene	20.99	1.0	20	0	105	77 - 126				
1,2,4-Trimethylbenzene	15.94	1.0	20	0	79.7	73 - 121				
1,2-Dibromo-3-chloropropane	18.71	1.0	20	0	93.5	70 - 130				
1,2-Dibromoethane	18.81	1.0	20	0	94.1	76 - 123				
1,2-Dichlorobenzene	16.83	1.0	20	0	84.1	77 - 113				
1,2-Dichloroethane	16.43	1.0	20	0	82.1	70 - 124				
1,2-Dichloropropane	15.75	1.0	20	0	78.8	72 - 119				
1,3,5-Trimethylbenzene	16.09	1.0	20	0	80.4	75 - 118				
1,3-Dichlorobenzene	18.77	1.0	20	0	93.8	78 - 118				
1,3-Dichloropropane	16.59	1.0	20	0	83.0	75 - 116				
1,4-Dichlorobenzene	18.13	1.0	20	0	90.7	79 - 113				
2,2-Dichloropropane	16.82	1.0	20	0	84.1	70 - 130				
2-Butanone	29.03	2.0	40	0	72.6	70 - 130				
2-Chlorotoluene	16.79	1.0	20	0	83.9	70 - 128				
2-Hexanone	28.06	2.0	40	0	70.2	70 - 130				
4-Chlorotoluene	16.87	1.0	20	0	84.3	74 - 126				
4-Isopropyltoluene	19.36	1.0	20	0	96.8	74 - 126				
4-Methyl-2-pentanone	30.75	2.0	40	0	76.9	70 - 130				
Acetone	34.12	2.0	40	0	85.3	70 - 130				
Benzene	17.77	1.0	20	0	88.8	74 - 120				
Bromobenzene	19	1.0	20	0	95.0	78 - 113				
Bromodichloromethane	17.16	1.0	20	0	85.8	74 - 122				
Bromoform	20.37	1.0	20	0	102	73 - 128				
Bromomethane	18.17	1.0	20	0	90.9	70 - 130				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422893 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCS Sample ID: **VLCSW-221130** Units: **ug/L** Analysis Date: **01-Dec-2022 01:10**
Client ID: Run ID: **VOA11_422893** SeqNo: **7007730** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	31.1	2.0	40	0	77.8	70 - 130				
Carbon tetrachloride	20.86	1.0	20	0	104	71 - 125				
Chlorobenzene	17.38	1.0	20	0	86.9	76 - 113				
Chloroethane	17.19	1.0	20	0	86.0	70 - 130				
Chloroform	16.38	1.0	20	0	81.9	71 - 121				
Chloromethane	18.76	1.0	20	0	93.8	70 - 129				
cis-1,2-Dichloroethene	16.66	1.0	20	0	83.3	75 - 122				
cis-1,3-Dichloropropene	18.46	1.0	20	0	92.3	73 - 127				
Cyclohexane	17.01	1.0	20	0	85.0	70 - 130				
Dibromochloromethane	18.47	1.0	20	0	92.3	77 - 122				
Dichlorodifluoromethane	28.72	1.0	20	0	144	70 - 130				S
Ethylbenzene	18.4	1.0	20	0	92.0	77 - 117				
Hexachlorobutadiene	28.62	1.0	20	0	143	70 - 130				S
Isopropylbenzene	20.75	1.0	20	0	104	73 - 127				
m,p-Xylene	37.42	2.0	40	0	93.5	77 - 122				
Methyl acetate	15.76	1.0	20	0	78.8	76 - 122				
Methyl tert-butyl ether	17.49	1.0	20	0	87.5	70 - 130				
Methylcyclohexane	16.5	1.0	20	0	82.5	61 - 157				
Methylene chloride	17.76	2.0	20	0	88.8	70 - 127				
n-Butylbenzene	17.83	1.0	20	0	89.1	72 - 130				
n-Propylbenzene	18.59	1.0	20	0	92.9	73 - 124				
o-Xylene	17.95	1.0	20	0	89.7	75 - 119				
sec-Butylbenzene	20.87	1.0	20	0	104	73 - 128				
Styrene	18.7	1.0	20	0	93.5	72 - 126				
tert-Butylbenzene	19.91	1.0	20	0	99.6	73 - 124				
Tetrachloroethene	21.24	1.0	20	0	106	76 - 119				
Toluene	16.64	1.0	20	0	83.2	77 - 118				
trans-1,2-Dichloroethene	17.3	1.0	20	0	86.5	72 - 127				
trans-1,3-Dichloropropene	18.5	1.0	20	0	92.5	77 - 119				
Trichloroethene	19.42	1.0	20	0	97.1	77 - 121				
Trichlorofluoromethane	24.49	1.0	20	0	122	70 - 130				
Vinyl chloride	18.37	1.0	20	0	91.8	70 - 130				
Xylenes, Total	55.37	1.0	60	0	92.3	75 - 122				
Surr: 1,2-Dichloroethane-d4	*39.66*	*1.0*	*50*	*0*	*79.3*	*70 - 123*				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422893 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCS Sample ID: **VLCSW-221130** Units: **ug/L** Analysis Date: **01-Dec-2022 01:10**
Client ID: Run ID: **VOA11_422893** SeqNo: **7007730** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	*50.76*	*1.0*	*50*	*0*	*102*	*77 - 113*				
Surr: Dibromofluoromethane	*46.49*	*1.0*	*50*	*0*	*93.0*	*73 - 126*				
Surr: Toluene-d8	*45.84*	*1.0*	*50*	*0*	*91.7*	*81 - 120*				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422893 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MS Sample ID: **HS22111328-26MS** Units: **ug/L** Analysis Date: **01-Dec-2022 03:03**
Client ID: **MW-24D** Run ID: **VOA11_422893** SeqNo: **7007734** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	20.51	1.0	20	0	103	70 - 120				
1,1,1-Trichloroethane	16.49	1.0	20	0	82.5	70 - 130				
1,1,2,2-Tetrachloroethane	16.24	1.0	20	0	81.2	70 - 123				
1,1,2-Trichlor-1,2,2-trifluoroethane	25.06	1.0	20	0	125	70 - 130				
1,1,2-Trichloroethane	16.3	1.0	20	0	81.5	70 - 117				
1,1-Dichloroethane	12.84	1.0	20	0	64.2	70 - 127				S
1,1-Dichloroethene	8.293	1.0	20	0	41.5	70 - 130				S
1,1-Dichloropropene	15.98	1.0	20	0	79.9	70 - 129				
1,2,3-Trichlorobenzene	21.75	1.0	20	0	109	70 - 130				
1,2,3-Trichloropropane	17.42	1.0	20	0	87.1	70 - 130				
1,2,4-Trichlorobenzene	20.59	1.0	20	0	103	70 - 125				
1,2,4-Trimethylbenzene	16.54	1.0	20	0	82.7	70 - 125				
1,2-Dibromo-3-chloropropane	16.22	1.0	20	0	81.1	70 - 130				
1,2-Dibromoethane	18.21	1.0	20	0	91.0	70 - 124				
1,2-Dichlorobenzene	16.9	1.0	20	0	84.5	70 - 115				
1,2-Dichloroethane	15.54	1.0	20	0	77.7	70 - 127				
1,2-Dichloropropane	15.44	1.0	20	0	77.2	70 - 122				
1,3,5-Trimethylbenzene	16.19	1.0	20	0	80.9	70 - 126				
1,3-Dichlorobenzene	18.32	1.0	20	0	91.6	70 - 119				
1,3-Dichloropropane	16.4	1.0	20	0	82.0	70 - 121				
1,4-Dichlorobenzene	18.11	1.0	20	0	90.5	70 - 114				
2,2-Dichloropropane	13.14	1.0	20	0	65.7	70 - 130				S
2-Butanone	27.46	2.0	40	0	68.7	70 - 130				S
2-Chlorotoluene	16.64	1.0	20	0	83.2	70 - 130				
2-Hexanone	30.46	2.0	40	0	76.1	70 - 130				
4-Chlorotoluene	16.59	1.0	20	0	83.0	70 - 130				
4-Isopropyltoluene	19.54	1.0	20	0	97.7	70 - 130				
4-Methyl-2-pentanone	29.4	2.0	40	0	73.5	70 - 130				
Acetone	31.38	2.0	40	0	78.4	70 - 130				
Benzene	16	1.0	20	0	80.0	70 - 127				
Bromobenzene	18.72	1.0	20	0	93.6	70 - 115				
Bromodichloromethane	16.87	1.0	20	0	84.3	70 - 124				
Bromoform	20.04	1.0	20	0	100	70 - 129				
Bromomethane	11.76	1.0	20	0	58.8	70 - 130				S

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Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422893 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MS Sample ID: **HS22111328-26MS** Units: **ug/L** Analysis Date: **01-Dec-2022 03:03**
Client ID: **MW-24D** Run ID: **VOA11_422893** SeqNo: **7007734** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	8.848	2.0	40	0	22.1	70 - 130				S
Carbon tetrachloride	18.29	1.0	20	0	91.4	70 - 130				
Chlorobenzene	18.11	1.0	20	0	90.6	70 - 114				
Chloroethane	25.91	1.0	20	0	130	70 - 130				
Chloroform	15.48	1.0	20	0	77.4	70 - 125				
Chloromethane	17.53	1.0	20	0	87.6	70 - 130				
cis-1,2-Dichloroethene	15.19	1.0	20	0	75.9	70 - 128				
cis-1,3-Dichloropropene	17.27	1.0	20	0	86.3	70 - 125				
Cyclohexane	8.244	1.0	20	0	41.2	70 - 130				S
Dibromochloromethane	18.72	1.0	20	0	93.6	70 - 124				
Dichlorodifluoromethane	26.48	1.0	20	0	132	70 - 130				S
Ethylbenzene	18.93	1.0	20	0	94.7	70 - 124				
Hexachlorobutadiene	26.28	1.0	20	0	131	70 - 130				S
Isopropylbenzene	20.88	1.0	20	0	104	70 - 130				
m,p-Xylene	38.05	2.0	40	0	95.1	70 - 130				
Methyl acetate	11.1	1.0	20	0	55.5	76 - 122				S
Methyl tert-butyl ether	16.16	1.0	20	0	80.8	70 - 130				
Methylcyclohexane	18.11	1.0	20	0	90.5	61 - 158				
Methylene chloride	12.79	2.0	20	0	63.9	70 - 128				S
n-Butylbenzene	17.79	1.0	20	0	88.9	70 - 130				
n-Propylbenzene	18.51	1.0	20	0	92.6	70 - 130				
o-Xylene	18.62	1.0	20	0	93.1	70 - 124				
sec-Butylbenzene	20.52	1.0	20	0	103	70 - 130				
Styrene	18.48	1.0	20	0	92.4	70 - 130				
tert-Butylbenzene	19.86	1.0	20	0	99.3	70 - 130				
Tetrachloroethene	21	1.0	20	0	105	70 - 130				
Toluene	16.45	1.0	20	0	82.2	70 - 123				
trans-1,2-Dichloroethene	11.72	1.0	20	0	58.6	70 - 130				S
trans-1,3-Dichloropropene	17.27	1.0	20	0	86.3	70 - 121				
Trichloroethene	18.19	1.0	20	0	90.9	70 - 129				
Trichlorofluoromethane	26.82	1.0	20	0	134	70 - 130				S
Vinyl chloride	19.29	1.0	20	0	96.4	70 - 130				
Xylenes, Total	56.67	1.0	60	0	94.5	70 - 130				
Surr: 1,2-Dichloroethane-d4	*40.67*	*1.0*	*50*	*0*	*81.3*	*70 - 126*				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
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QC BATCH REPORT

Batch ID: R422893 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MS Sample ID: **HS22111328-26MS** Units: **ug/L** Analysis Date: **01-Dec-2022 03:03**
Client ID: **MW-24D** Run ID: **VOA11_422893** SeqNo: **7007734** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	*50.64*	*1.0*	*50*	*0*	*101*	*77 - 113*				
Surr: Dibromofluoromethane	*46.42*	*1.0*	*50*	*0*	*92.8*	*77 - 123*				
Surr: Toluene-d8	*45.99*	*1.0*	*50*	*0*	*92.0*	*82 - 127*				

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422893 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MSD Sample ID: **HS22111328-26MSD** Units: **ug/L** Analysis Date: **01-Dec-2022 03:26**
Client ID: **MW-24D** Run ID: **VOA11_422893** SeqNo: **7007735** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	18.65	1.0	20	0	93.2	70 - 120	20.51	9.54	20	
1,1,1-Trichloroethane	15.35	1.0	20	0	76.8	70 - 130	16.49	7.15	20	
1,1,2,2-Tetrachloroethane	15.74	1.0	20	0	78.7	70 - 123	16.24	3.12	20	
1,1,2-Trichlor-1,2,2-trifluoroethane	23.64	1.0	20	0	118	70 - 130	25.06	5.84	20	
1,1,2-Trichloroethane	15.81	1.0	20	0	79.0	70 - 117	16.3	3.06	20	
1,1-Dichloroethane	12.29	1.0	20	0	61.4	70 - 127	12.84	4.4	20	S
1,1-Dichloroethene	7.213	1.0	20	0	36.1	70 - 130	8.293	13.9	20	S
1,1-Dichloropropene	15.12	1.0	20	0	75.6	70 - 129	15.98	5.5	20	
1,2,3-Trichlorobenzene	21.36	1.0	20	0	107	70 - 130	21.75	1.84	20	
1,2,3-Trichloropropane	17.24	1.0	20	0	86.2	70 - 130	17.42	1	20	
1,2,4-Trichlorobenzene	20.05	1.0	20	0	100	70 - 125	20.59	2.63	20	
1,2,4-Trimethylbenzene	15.67	1.0	20	0	78.4	70 - 125	16.54	5.35	20	
1,2-Dibromo-3-chloropropane	17.98	1.0	20	0	89.9	70 - 130	16.22	10.3	20	
1,2-Dibromoethane	17.79	1.0	20	0	89.0	70 - 124	18.21	2.33	20	
1,2-Dichlorobenzene	16.67	1.0	20	0	83.3	70 - 115	16.9	1.39	20	
1,2-Dichloroethane	14.73	1.0	20	0	73.6	70 - 127	15.54	5.39	20	
1,2-Dichloropropane	14.85	1.0	20	0	74.3	70 - 122	15.44	3.85	20	
1,3,5-Trimethylbenzene	15.49	1.0	20	0	77.5	70 - 126	16.19	4.41	20	
1,3-Dichlorobenzene	17.24	1.0	20	0	86.2	70 - 119	18.32	6.06	20	
1,3-Dichloropropane	15.92	1.0	20	0	79.6	70 - 121	16.4	2.97	20	
1,4-Dichlorobenzene	16.78	1.0	20	0	83.9	70 - 114	18.11	7.63	20	
2,2-Dichloropropane	12.44	1.0	20	0	62.2	70 - 130	13.14	5.49	20	S
2-Butanone	25.02	2.0	40	0	62.6	70 - 130	27.46	9.28	20	S
2-Chlorotoluene	15.45	1.0	20	0	77.2	70 - 130	16.64	7.44	20	
2-Hexanone	28.64	2.0	40	0	71.6	70 - 130	30.46	6.16	20	
4-Chlorotoluene	16.27	1.0	20	0	81.3	70 - 130	16.59	1.99	20	
4-Isopropyltoluene	18.37	1.0	20	0	91.8	70 - 130	19.54	6.19	20	
4-Methyl-2-pentanone	29.16	2.0	40	0	72.9	70 - 130	29.4	0.832	20	
Acetone	30.32	2.0	40	0	75.8	70 - 130	31.38	3.43	20	
Benzene	14.83	1.0	20	0	74.1	70 - 127	16	7.63	20	
Bromobenzene	18.18	1.0	20	0	90.9	70 - 115	18.72	2.9	20	
Bromodichloromethane	16.29	1.0	20	0	81.4	70 - 124	16.87	3.49	20	
Bromoform	18.98	1.0	20	0	94.9	70 - 129	20.04	5.41	20	
Bromomethane	10.09	1.0	20	0	50.4	70 - 130	11.76	15.3	20	S

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422893 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MSD Sample ID: **HS22111328-26MSD** Units: **ug/L** Analysis Date: **01-Dec-2022 03:26**
Client ID: **MW-24D** Run ID: **VOA11_422893** SeqNo: **7007735** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Carbon disulfide	8.257	2.0	40	0	20.6	70 - 130	8.848	6.91	20	S
Carbon tetrachloride	16.71	1.0	20	0	83.5	70 - 130	18.29	9.03	20	
Chlorobenzene	16.58	1.0	20	0	82.9	70 - 114	18.11	8.88	20	
Chloroethane	18.61	1.0	20	0	93.1	70 - 130	25.91	32.8	20	R
Chloroform	14.67	1.0	20	0	73.4	70 - 125	15.48	5.33	20	
Chloromethane	16.14	1.0	20	0	80.7	70 - 130	17.53	8.24	20	
cis-1,2-Dichloroethene	14.05	1.0	20	0	70.3	70 - 128	15.19	7.76	20	
cis-1,3-Dichloropropene	16.91	1.0	20	0	84.6	70 - 125	17.27	2.06	20	
Cyclohexane	7.784	1.0	20	0	38.9	70 - 130	8.244	5.74	20	S
Dibromochloromethane	18.15	1.0	20	0	90.8	70 - 124	18.72	3.08	20	
Dichlorodifluoromethane	24.01	1.0	20	0	120	70 - 130	26.48	9.79	20	
Ethylbenzene	17.7	1.0	20	0	88.5	70 - 124	18.93	6.73	20	
Hexachlorobutadiene	24.97	1.0	20	0	125	70 - 130	26.28	5.11	20	
Isopropylbenzene	19.88	1.0	20	0	99.4	70 - 130	20.88	4.93	20	
m,p-Xylene	35.8	2.0	40	0	89.5	70 - 130	38.05	6.08	20	
Methyl acetate	11.63	1.0	20	0	58.2	76 - 122	11.1	4.69	20	S
Methyl tert-butyl ether	16.23	1.0	20	0	81.1	70 - 130	16.16	0.444	20	
Methylcyclohexane	17.46	1.0	20	0	87.3	61 - 158	18.11	3.63	20	
Methylene chloride	12.65	2.0	20	0	63.3	70 - 128	12.79	1.03	20	S
n-Butylbenzene	17.12	1.0	20	0	85.6	70 - 130	17.79	3.83	20	
n-Propylbenzene	17.56	1.0	20	0	87.8	70 - 130	18.51	5.31	20	
o-Xylene	17.47	1.0	20	0	87.3	70 - 124	18.62	6.41	20	
sec-Butylbenzene	19.43	1.0	20	0	97.2	70 - 130	20.52	5.46	20	
Styrene	17.29	1.0	20	0	86.4	70 - 130	18.48	6.65	20	
tert-Butylbenzene	19.13	1.0	20	0	95.6	70 - 130	19.86	3.77	20	
Tetrachloroethene	19.24	1.0	20	0	96.2	70 - 130	21	8.73	20	
Toluene	15.71	1.0	20	0	78.6	70 - 123	16.45	4.56	20	
trans-1,2-Dichloroethene	11.34	1.0	20	0	56.7	70 - 130	11.72	3.3	20	S
trans-1,3-Dichloropropene	16.91	1.0	20	0	84.6	70 - 121	17.27	2.07	20	
Trichloroethene	16.9	1.0	20	0	84.5	70 - 129	18.19	7.33	20	
Trichlorofluoromethane	24.05	1.0	20	0	120	70 - 130	26.82	10.9	20	
Vinyl chloride	17.56	1.0	20	0	87.8	70 - 130	19.29	9.38	20	
Xylenes, Total	53.27	1.0	60	0	88.8	70 - 130	56.67	6.19	20	
Surr: 1,2-Dichloroethane-d4	*40.62*	*1.0*	*50*	*0*	*81.2*	*70 - 126*	*40.67*	*0.134*	*20*	

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ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: HS22111328

QC BATCH REPORT

Batch ID: R422893 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MSD Sample ID: **HS22111328-26MSD** Units: **ug/L** Analysis Date: **01-Dec-2022 03:26**
Client ID: **MW-24D** Run ID: **VOA11_422893** SeqNo: **7007735** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	*50.59*	*1.0*	*50*	*0*	*101*	*77 - 113*	*50.64*	*0.0932*	*20*	
Surr: Dibromofluoromethane	*45.71*	*1.0*	*50*	*0*	*91.4*	*77 - 123*	*46.42*	*1.56*	*20*	
Surr: Toluene-d8	*46.2*	*1.0*	*50*	*0*	*92.4*	*82 - 127*	*45.99*	*0.465*	*20*	

The following samples were analyzed in this batch: HS22111328-17 HS22111328-26 HS22111328-27 HS22111328-28 HS22111328-29 HS22111328-31

ALS Houston, US Date: 09-Dec-22

Client: WSP USA
Project: Energy Transfer Roswell GW
WorkOrder: **HS22111328**

QUALIFIERS, ACRONYMS, UNITS

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

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

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ALS Houston, US Date: 09-Dec-22

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2022	31-Dec-2022
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932022-13	31-Jul-2023

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ALS Houston, US Date: 09-Dec-22

Sample Receipt Checklist

Work Order ID: HS22111328 **Date/Time Received:** 22-Nov-2022 09:10

Client Name: WSP Marietta GA **Received by:** Malcolm Burleson

Completed By:	/S/ Malcolm Burleson	22-Nov-2022 15:58	**Reviewed by:**	/S/ Dane J. Wacasey	06-Dec-2022 13:50
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **WATER** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	6 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:281770 28763 281769 281766 281765 281771
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	1.4C / 2.2C / 0.4C /3.1C	IR31
Cooler(s)/Kit(s):	48220 46801 49857 49587	
Date/Time sample(s) sent to storage:	11222022 1604	

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

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

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Chain of Custody Form

Page 1 of 6

COC ID: 281763

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	WBS E-19002-CV-26050001 / Stacy B	Project Name	Energy Transfer Roswell GW	A	8260_LL_W (8260 VOC site list (67))
Work Order		Project Number	EC02.20180005.01	B	8011_W (8011 EDB, DBCP)
Company Name	WSP USA	Bill To Company	Energy Transfer	C	8270_Min_W (8270_LL Naph,1 & 2-MethNaph (100mL))
Send Report To	Sofie Weber-Snapp	Invoice Attn	Accounts Payable	D	(8270_LL 1,4-dioxane [w/Naph,1&2-MethNaph (100mL))
Address	1880 W Oak Pkwy Building 100 Suite 106	Address	P.O Box 132400	E	TBLK: 8260_LL_W (8260 VOC site list (68))
				F	
City/State/Zip	Marietta, 30062	City/State/Zip	Dallas TX 75313	G	
Phone	(770) 973-2100	Phone		H	
Fax		Fax		I	
e-Mail Address	sofie.weber.snapp@wsp.com	e-Mail Address	APInvoicesETP.mailbox@energytransfe	J	

HS22111328
WSP USA
Energy Transfer Roswell GW

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H
1	8260 Trip Blank			Water	1,8	2					X			
2	8011 Trip Blank			Water	1,8	2		X						
3	MW-37	11/17/22	10:18	H2O	1,8	6/8	X	X	X		X			
4	MW-34	11/17/22	11:01	H2O	1,8	6	X	X	X		X			
5	MW-34 Duplicate	11/17/22	11:01	H2O	1,8	6	X	X	X		X			
6	MW-37	11/17/22	10:18	H2O	8	2	X	X	X					
7	MW-34	11/17/22	11:01	H2O	8	2	X	X	X					
8	MW-34 Duplicate	11/17/22	11:01	H2O	8	2	X	X	X					
9	MW-35	11/17/22	13:50	H2O	1,8	6	X	X	X		X			
10	MW-35	11/17/22	13:50	H2O	8	2	X	X	X					

Sampler(s) Please Print & Sign:

Shipment Method:

Required Turnaround Time: (Check Box) [X] 8 [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour

Results Due Date:

Relinquished by:	Date: 11/21/22	Time: 1400	Received by:	Notes: WSP ET Roswell NM	
Relinquished by:	Date:	Time:	Received by (Laboratory): 11/22/22 0910	Cooler ID	Cooler Temp. 12.3
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	48220	1.9 wc
				46801	2.7 wc
				49057	0.9 wc
				49587	3.6 wc -0.5

QC Package: (Check One Box Below)
[X] Level II Std QC
[ ] Level III Std QC/Raw Data
[ ] Level IV SW846/CLP
[ ] Other
[ ] TRRP Checklist
[ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
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Chain of Custody Form

Page 2 of 6

COC ID: 281770

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	WBS E-19002-CV-26050001 / Stacy B	Project Name	Energy Transfer Roswell GW	A	8260_LL_W (8260 VOC site list (67))
Work Order		Project Number	EC02.20180005.01	B	8011_W (8011 EDB, DBCP)
Company Name	WSP USA	Bill To Company	Energy Transfer	C	8270_Min_W (8270_LL_Naph,1 & 2-MethNaph (100mL))
Send Report To	Sofie Weber-Snapp	Invoice Attn	Accounts Payable	D	(8270_LL 1,4-dioxane [w/Naph,1&2-MethNaph (100mL)])
Address	1880 W Oak Pkwy Building 100 Suite 106	Address	P.O Box 132400	E	TBLK: 8260_LL_W (8260 VOC site list (68))
				F	
City/State/Zip	Marietta, 30062	City/State/Zip	Dallas TX 75313	G	
Phone	(770) 973-2100	Phone		H	
Fax		Fax		I	
e-Mail Address	sofie.weber.snapp@wsp.com	e-Mail Address	APInvoicesETP.mailbox@energytransfe	J	

HS2211328
WSP USA
Energy Transfer Roswell GW

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	Hold
1	8260 Trip Blank			Water	1,8	2					X		
2	8011 Trip Blank			Water	1,8	2		X					
3	MW-32	11/17/22	14:10	H_2O	1,8	6	X	X	X		X		
4	MW-32	11/17/22	14:10	H_2O	8	2	X	X	X				
5	MW-29	11/17/22	15:05	H_2O	1,8	6	X	X	X		X		
6	MW-29	11/17/22	15:05	H_2O	8	2	X	X	X				
7	MW-27	11/18/22	10:30	H_2O	1,8	6	X	X	X				
8	MW-27	11/18/22	10:30	H_2O	8	2	X	X	X				
9	MW-21	11/18/22	11:41	H_2O	1,8	6	X	X	X				
10	MW-21	11/18/22	11:41	H_2O	8	2	X	X	X				

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
		☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☒ 8	

Relinquished by:	Date:	Time:	Received by:	Notes:
	11/21/22	14:00		WSP ET Roswell NM
Relinquished by:	Date:	Time:	Received by (Laboratory):	
			11/22/22 0910	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.
48220	1R31
46801	
49857	
49587	

QC Package: (Check One Box Below)
- ☒ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other
- ☐ TRRP Checklist
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Chain of Custody Form

Page 3 of 6

COC ID: 281769

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	WBS E-19002-CV-26050001 / Stacy B	Project Name	Energy Transfer Roswell GW	A	8260_LL_W (8260 VOC site list (67)) For All
Work Order		Project Number	EC02.20180005.01	B	8011_W (8011 EDB, DBCP) For All
Company Name	WSP USA	Bill To Company	Energy Transfer	C	8270_Min_W (8270_LL_Naph,1 & 2-MethNaph (100mL)) All
Send Report To	Sofie Weber-Snapp	Invoice Attn	Accounts Payable	D	(8270_LL 1,4-dioxane [w/Naph,1&2-MethNaph (100mL)]) SIMM
Address	1880 W Oak Pkwy Building 100 Suite 106	Address	P.O Box 132400	E	TBLK: 8260_LL_W (8260 VOC site list (68)
				F	
City/State/Zip	Marietta, 30062	City/State/Zip	Dallas TX 75313	G	
Phone	(770) 973-2100	Phone		H	
Fax		Fax		I	
e-Mail Address	sofie.weber.snapp@wsp.com	e-Mail Address	APInvoicesETP.mailbox@energytransfe	J	

HS2211328
WSP USA
Energy Transfer Roswell GW

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G
1	8260 Trip Blank			Water	1,8	2					X		
2	8011 Trip Blank			Water	1,8	2	X	X					
3	MW-14	11/18/22	14:45	H_2O	1,8	6	X	X	X				
4	MW-14	11/18/22	14:45	H_2O	8	2	X	X	X				
5	ESP Equipment Rinsate ESP Pump	11/20/22	11:30	H_2O	1,8	6	X	X	X	X			
6	ESP Equipment Rinsate ESP Pump	11/20/22	11:30	H_2O	8	2	X	X	X	X			
7	MW-22	11/20/22	12:56	H_2O	1,8	6	X	X	X	X			
8	MW-22	11/20/22	12:56	H_2O	8	2	X	X	X	X			
9	MW-22 Duplicate	11/20/22	12:56	H_2O	1,8	6	X	X	X	X			
10	MW-22 Duplicate	11/20/22	12:56	H_2O	8	2	X	X	X	X			

Sampler(s) Please Print & Sign:

Shipment Method:

Required Turnaround Time: (Check Box) [X] 8 [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour

Results Due Date:

Relinquished by:	Date: 11/21/22	Time: 1400	Received by:	Notes: WSP ET Roswell NM	
Relinquished by:	Date:	Time:	Received by (Laboratory): 11/22/22 0910	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	48220	
				46801	
				49257	

QC Package: (Check One Box Below)
[X] Level II Std QC
[ ] Level III Std QC/Raw Data
[ ] Level IV SW846/CLP
[ ] Other
[ ] TRRP Checklist
[ ] TRRP Level IV

49257

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Chain of Custody Form

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COC ID: 281766

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	WBS E-19002-CV-26050001 / Stacy B	Project Name	Energy Transfer Roswell GW	A	8260_LL_W (8260 VOC site list (67))
Work Order		Project Number	EC02.20180005.01	B	8011_W (8011 EDB, DBCP)
Company Name	WSP USA	Bill To Company	Energy Transfer	C	8270_Min_W (8270_LL_Naph,1 & 2-MethNaph (100mL))
Send Report To	Sofie Weber-Snapp	Invoice Attn	Accounts Payable	D	(8270_LL 1,4-dioxane [w/Naph,1&2-MethNaph (100mL)])
Address	1880 W Oak Pkwy Building 100 Suite 106	Address	P.O Box 132400	E	TBLK: 8260_LL_W (8260 VOC site list (68))
				F	
City/State/Zip	Marietta, 30062	City/State/Zip	Dallas TX 75313	G	
Phone	(770) 973-2100	Phone		H	
Fax		Fax		I	
e-Mail Address	sofie.weber.snapp@wsp.com	e-Mail Address	APInvoicesETP.mailbox@energytransfe	J	

HS2211328
WSP USA
Energy Transfer Roswell GW

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	Field
1	8260 Trip Blank			Water	1,8	2					X			
2	8011 Trip Blank			Water	1,8	2		X						
3	MW-20	11/20/22	13:40	H2O	1,8	6	X	X	X	X				
4	MW-20	11/20/22	13:40	H2O	8	2	X	X	X	X				
5	MW-26	11/20/22	14:03	H2O	1,8	6	X	X	X	X				
6	MW-26	11/20/22	14:03	H2O	8	2	X	X	X	X				
7	MW-13	11/20/22	15:20	H2O	1,8	6	X	X	X					
8	MW-13	11/20/22	15:20	H2O	8	2	X	X	X					
9	SVE-28	11/20/22	15:47	H2O	1,8	6	X	X	X	X				
10	SVE-28	11/20/22	15:47	H2O	8	2	X	X	X	X				

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
		[X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour [X] 8	

Relinquished by:	Date:	Time:	Received by:	Notes: WSP ET Roswell NM
	11/21/22	14:00		
Relinquished by:	Date:	Time:	Received by (Laboratory): 11222022 0910	Cooler ID / Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	48226 / 46801 / 49857

QC Package: (Check One Box Below)
[X] Level II Std QC
[ ] Level III Std QC/Raw Data
[ ] Level IV SW846/CLP
[ ] Other
[ ] TRRP Checklist
[ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

49587

Note:
1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
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Houston, TX +1 281 530 5656
Middletown, PA +1 717 944 5541
Spring City, PA +1 610 948 4903
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South Charleston, WV +1 304 356 3168
York, PA +1 717 505 5280

Chain of Custody Form

Page 5 of 6

COC ID: 281765

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	WBS E-19002-CV-26050001 / Stacy B	Project Name	Energy Transfer Roswell GW	A	8260_LL_W (8260 VOC site list (67))
Work Order		Project Number	EC02.20180005.01	B	8011_W (8011 EDB, DBCP)
Company Name	WSP USA	Bill To Company	Energy Transfer	C	8270_Min_W (8270_LL Naph,1 & 2-MethNaph (100mL))
Send Report To	Sofie Weber-Snapp	Invoice Attn	Accounts Payable	D	(8270_LL 1,4-dioxane [w/Naph,1&2-MethNaph (100mL)])
Address	1880 W Oak Pkwy Building 100 Suite 106	Address	P.O Box 132400	E	TBLK: 8260_LL_W (8260 VOC site list (68))
				F	
City/State/Zip	Marietta, 30062	City/State/Zip	Dallas TX 75313	G	
Phone	(770) 973-2100	Phone		H	
Fax		Fax		I	
e-Mail Address	sofie.weber.snapp@wsp.com	e-Mail Address	APInvoicesETP.mailbox@energytransfe	J	

HS22111328
WSP USA
Energy Transfer Roswell GW

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	Hold
1	8260 Trip Blank			Water	1,8	2					X		
2	8011 Trip Blank			Water	1,8	2		X					
3	ESP Pump Equipment Rinsate	11/21/22	0730	Water	1,8	6	X	X	X				
4	ESP Pump Equipment Rinsate	11/21/22	0730	Water	8	2	X	X	X				
5	MW-24D	11/21/22	0920	Water	1,8	6	X	X	X				
6	MW-24D	11/21/22	0920	Water	8	2	X	X	X				
7	MW-42	11/21/22	0936	Water	1,8	6	X	X	X	X			
8	MW-42	11/21/22	0936	Water	1,8	6	X	X	X	X			
9	MW-42 Duplicate	11/21/22	0936	Water	8	2	X	X	X	X			
10	MW-42 Duplicate	11/21/22	0936	Water	8	2	X	X	X	X			

Sampler(s) Please Print & Sign | Shipment Method | Required Turnaround Time: (Check Box) [X] 8 [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour | Results Due Date:

Relinquished by:	Date: 11/21/22	Time: 1400	Received by:	Notes: WSP ET Roswell NM	
Relinquished by:	Date:	Time:	Received by (Laboratory): 11222022 0910	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	48220	
				46901	
				49857	
				49587	

QC Package: (Check One Box Below)
[X] Level II Std QC
[ ] Level III Std QC/Raw Data
[ ] Level IV SVM846/CLP
[ ] Other
[ ] TRRP Checklist
[ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Houston, TX +1 281 530 5656
Middletown, PA +1 717 944 5541
Spring City, PA +1 610 948 4903
Salt Lake City, UT +1 801 266 7700
South Charleston, WV +1 304 356 3168
York, PA +1 717 505 5280

Chain of Custody Form

Page 6 of 6

COC ID: 281771

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	WBS E-19002-CV-26050001 / Stacy B	Project Name	Energy Transfer Roswell GW	A	8260_LL_W (8260 VOC site list (67))
Work Order		Project Number	EC02.20180005.01	B	8011_W (8011 EDB, DBCP)
Company Name	WSP USA	Bill To Company	Energy Transfer	C	8270_Min_W (8270_LL_Naph,1 & 2-MethNaph (100mL))
Send Report To	Sofie Weber-Snapp	Invoice Attn	Accounts Payable	D	(8270_LL 1,4-dioxane [w/Naph,1&2-MethNaph (100mL)])
Address	1880 W Oak Pkwy Building 100 Suite 106	Address	P.O Box 132400	E	TBLK: 8260_LL_W (8260 VOC site list (68))
				F	
City/State/Zip	Marietta, 30062	City/State/Zip	Dallas TX 75313	G	
Phone	(770) 973-2100	Phone		H	
Fax		Fax		I	
e-Mail Address	sofie.weber.snapp@wsp.com	e-Mail Address	APInvoicesETP.mailbox@energytransfe	J	

HS2211328
WSP USA
Energy Transfer Roswell GW

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	Hold
1	8260 Trip Blank			Water	1,8	2					X		
2	8011 Trip Blank			Water	1,8	2		X					
3	MW-40	11/21/22	10:30	Water	1,8	6	X	X	X	X			
4	MW-40	11/21/22	10:30	Water	8	2	X	X	X	X			
5	MW-41	11/21/22	11:00	Water	1,8	6	X	X	X	X			
6	MW-41	11/21/22	11:00	Water	8	2	X	X	X	X			
7	MW-39	11/21/22	11:37	Water	1,8	6	X	X	X	X			
8	MW-39	11/21/22	11:37	Water	8	2	X	X	X	X			
9													
10													

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
	FEDEX	[X] 8 [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour	

Relinquished by:	Date:	Time:	Received by:	Notes:
	11/21/22	14:00		WSP ET Roswell NM
Relinquished by:	Date:	Time:	Received by (Laboratory):	
			11 22 2022 0910	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.
48220	
46801	
49857	
49587	

QC Package: (Check One Box Below)
- [X] Level II Std QC
- [ ] Level III Std QC/Raw Data
- [ ] Level IV SW846/CLP
- [ ] Other
- [ ] TRRP Checklist
- [ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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10450 Stancliff Rd., Su
Houston, Texas 77099
Tel. +1 281 530
Fax. +1 281 53

ite 210

CUSTODY SEAL
Date: 11/21/22 Time: 1400
Name: Clayton M Barnhill, PE
Company: MB Environmental

Seal Broken By: MB
Date: 11/22/2022

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

CUSTODY SEAL
11/21/22 Time: 1400
Clayton M Barnhill, PE
MB Environmental

Seal Broken By: MB
Date: 11/22/2022

TRK# 0221 5789 2000 4025

RETURNS MON–SAT
PRIORITY OVERNIGHT

77099
TX–US

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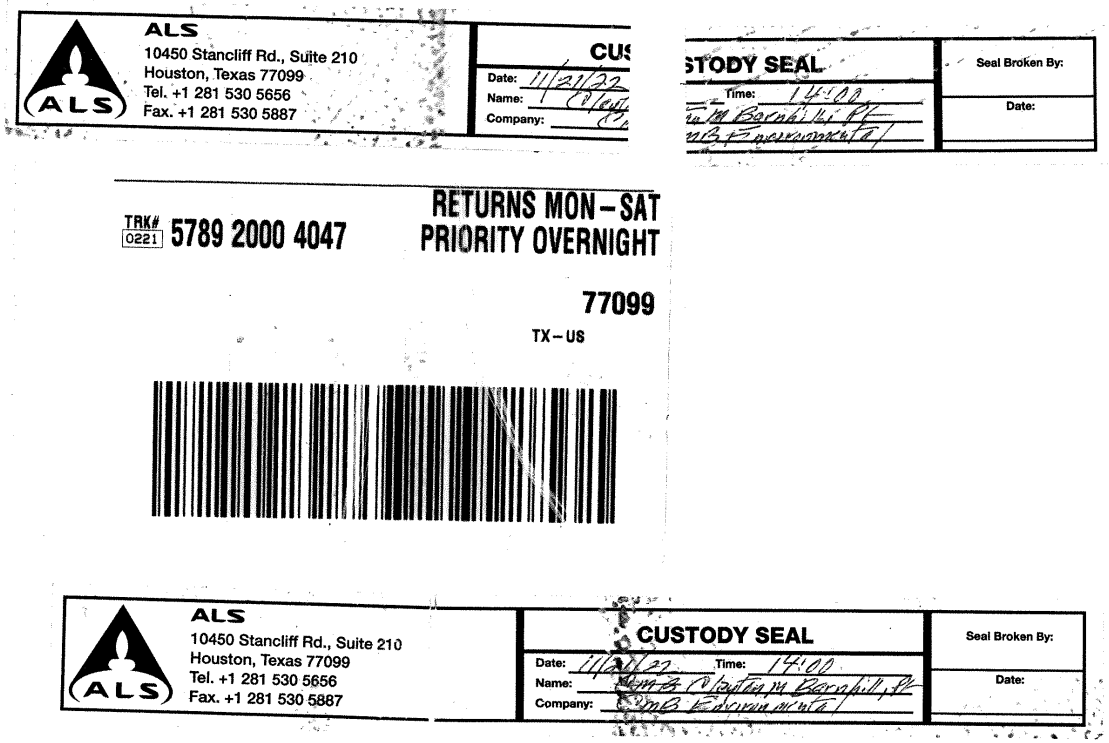

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

CUS
Date: 11/21/22
Name:
Company:

STODY SEAL
Time: 14:00
Seal Broken By:
Date:

TRK# 0221 5789 2000 4047

RETURNS MON – SAT
PRIORITY OVERNIGHT

77099
TX – US

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

CUSTODY SEAL
Date: 11/21/22 Time: 14:00
Name:
Company:
Seal Broken By:
Date:

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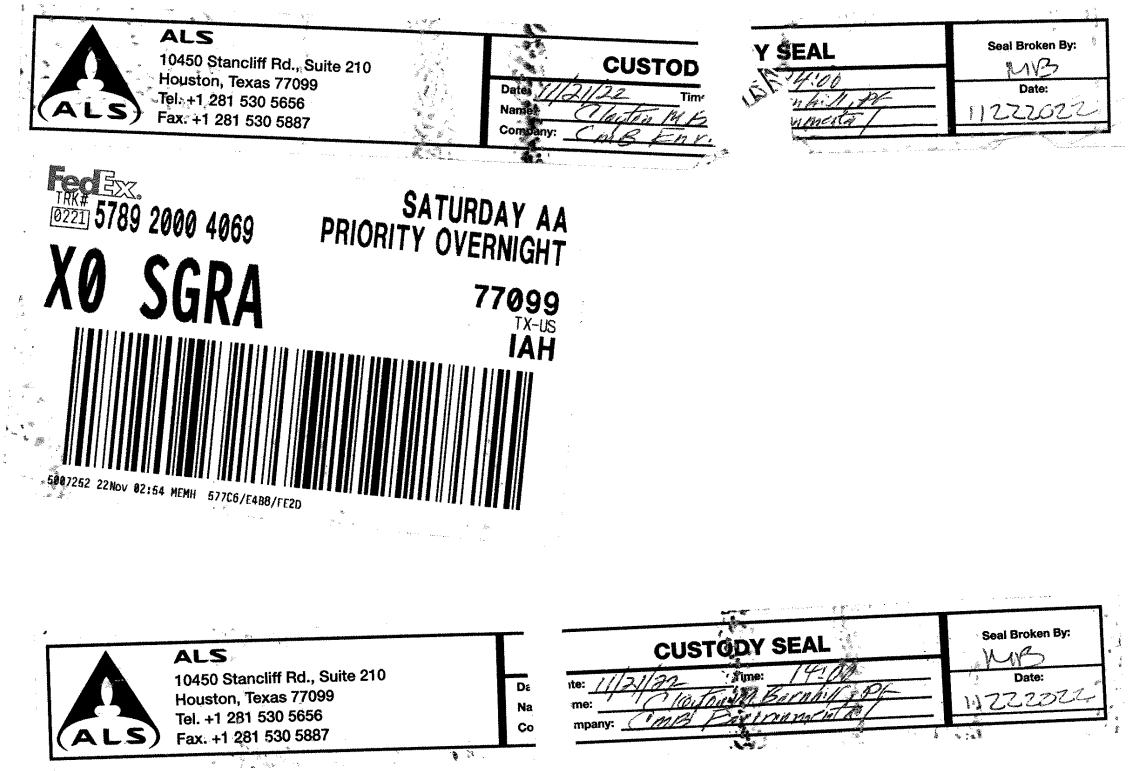

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

CUSTOD
Dates: 11/21/22 Tim
Name: Clayton M B
Company: Cobb Env.

Y SEAL
Seal Broken By: MB
Date: 11222022

FedEx
TRK# 0221 5789 2000 4069
SATURDAY AA
PRIORITY OVERNIGHT
XO SGRA
77099
TX-US
IAH
5007252 22Nov 02:54 MEMH 577C6/E488/FE2D

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

CUSTODY SEAL
Time: 14:00
Seal Broken By: MB
Date: 11222022

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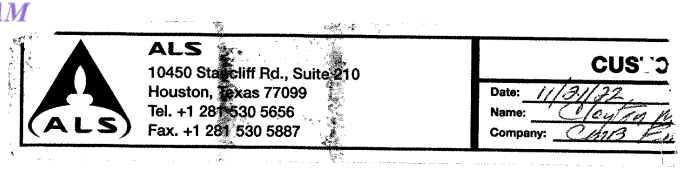

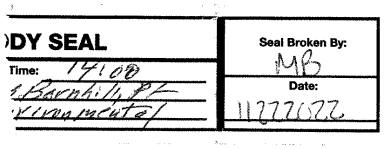

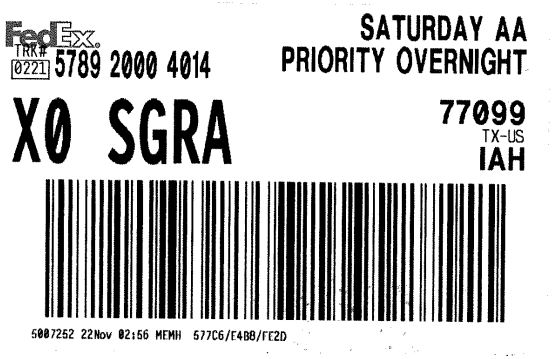

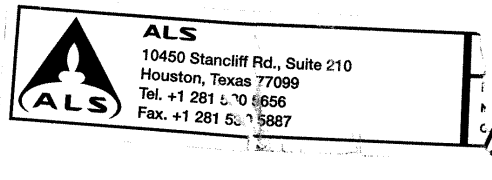

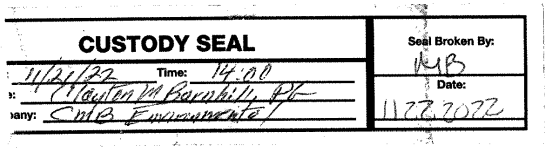

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APPENDIX C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

March 29, 2022

Sofie Weber-Snapp

Earth Con
14405 Walters Rd Ste 700
Houston, TX
TEL: (317) 450-6126
FAX

RE: TWP Roswell Station 9 OrderNo.: 2203701

Dear Sofie Weber-Snapp:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/11/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2203701**
Date Reported: **3/29/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Pre-Treatment
Project: TWP Roswell Station 9
Collection Date: 3/9/2022 9:50:00 AM
Lab ID: 2203701-001 **Matrix:** AQUEOUS **Received Date:** 3/11/2022 2:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	1300	100		µg/L	100	3/16/2022 4:06:00 PM	SL86502
Toluene	2400	100		µg/L	100	3/16/2022 4:06:00 PM	SL86502
Ethylbenzene	110	10		µg/L	10	3/16/2022 4:29:00 PM	SL86502
Xylenes, Total	2200	15		µg/L	10	3/16/2022 4:29:00 PM	SL86502
Surr: 1,2-Dichloroethane-d4	95.8	70-130		%Rec	10	3/16/2022 4:29:00 PM	SL86502
Surr: Dibromofluoromethane	93.6	70-130		%Rec	10	3/16/2022 4:29:00 PM	SL86502
Surr: Toluene-d8	97.2	70-130		%Rec	10	3/16/2022 4:29:00 PM	SL86502

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2203701**
Date Reported: **3/29/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post Air Stripper
Project: TWP Roswell Station 9
Collection Date: 3/9/2022 9:55:00 AM
Lab ID: 2203701-002 **Matrix:** AQUEOUS **Received Date:** 3/11/2022 2:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	490	20		µg/L	20	3/17/2022 3:47:00 PM	SL86548
Toluene	830	20		µg/L	20	3/17/2022 3:47:00 PM	SL86548
Ethylbenzene	30	1.0		µg/L	1	3/16/2022 5:15:00 PM	SL86502
Xylenes, Total	780	30		µg/L	20	3/17/2022 3:47:00 PM	SL86548
Surr: 1,2-Dichloroethane-d4	96.8	70-130		%Rec	1	3/16/2022 5:15:00 PM	SL86502
Surr: Dibromofluoromethane	93.9	70-130		%Rec	1	3/16/2022 5:15:00 PM	SL86502
Surr: Toluene-d8	106	70-130		%Rec	1	3/16/2022 5:15:00 PM	SL86502

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2203701**
Date Reported: **3/29/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Between GAC's
Project: TWP Roswell Station 9
Collection Date: 3/9/2022 10:00:00 AM
Lab ID: 2203701-003 **Matrix:** AQUEOUS **Received Date:** 3/11/2022 2:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	140	10		µg/L	10	3/17/2022 4:10:00 PM	SL86548
Toluene	100	10		µg/L	10	3/17/2022 4:10:00 PM	SL86548
Ethylbenzene	2.0	1.0		µg/L	1	3/16/2022 5:38:00 PM	SL86502
Xylenes, Total	60	1.5		µg/L	1	3/16/2022 5:38:00 PM	SL86502
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	3/16/2022 5:38:00 PM	SL86502
Surr: Dibromofluoromethane	93.4	70-130		%Rec	1	3/16/2022 5:38:00 PM	SL86502
Surr: Toluene-d8	99.8	70-130		%Rec	1	3/16/2022 5:38:00 PM	SL86502

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2203701**
Date Reported: **3/29/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post- Treatment
Project: TWP Roswell Station 9
Collection Date: 3/9/2022 10:05:00 AM
Lab ID: 2203701-004 **Matrix:** AQUEOUS **Received Date:** 3/11/2022 2:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Fluoride	1.5	0.50		mg/L	5	3/18/2022 11:17:35 AM	R86596
Chloride	390	25	*	mg/L	50	3/21/2022 4:34:11 PM	R86656
Bromide	0.56	0.50		mg/L	5	3/18/2022 11:17:35 AM	R86596
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	3/18/2022 11:17:35 AM	R86596
Sulfate	1300	25	*	mg/L	50	3/21/2022 4:34:11 PM	R86656
Nitrate+Nitrite as N	ND	1.0		mg/L	5	3/16/2022 3:00:35 PM	R86540
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**	
Calcium	500	5.0		mg/L	5	3/14/2022 10:17:45 AM	A86443
Magnesium	120	5.0		mg/L	5	3/14/2022 10:17:45 AM	A86443
Potassium	2.8	1.0		mg/L	1	3/14/2022 10:16:18 AM	A86443
Sodium	220	5.0		mg/L	5	3/14/2022 10:17:45 AM	A86443
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Toluene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Ethylbenzene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Naphthalene	ND	2.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1-Methylnaphthalene	ND	4.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
2-Methylnaphthalene	ND	4.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Acetone	11	10		µg/L	1	3/17/2022 3:24:00 PM	R86548
Bromobenzene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Bromodichloromethane	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Bromoform	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Bromomethane	ND	3.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
2-Butanone	ND	10		µg/L	1	3/17/2022 3:24:00 PM	R86548
Carbon disulfide	ND	10		µg/L	1	3/17/2022 3:24:00 PM	R86548
Carbon Tetrachloride	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Chlorobenzene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Chloroethane	ND	2.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Chloroform	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Chloromethane	ND	3.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
2-Chlorotoluene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
4-Chlorotoluene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
cis-1,2-DCE	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2203701**
Date Reported: **3/29/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post- Treatment
Project: TWP Roswell Station 9
Collection Date: 3/9/2022 10:05:00 AM
Lab ID: 2203701-004 **Matrix:** AQUEOUS **Received Date:** 3/11/2022 2:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Dibromochloromethane	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Dibromomethane	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,1-Dichloroethane	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,1-Dichloroethene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,2-Dichloropropane	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,3-Dichloropropane	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
2,2-Dichloropropane	ND	2.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,1-Dichloropropene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Hexachlorobutadiene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
2-Hexanone	ND	10		µg/L	1	3/17/2022 3:24:00 PM	R86548
Isopropylbenzene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
4-Isopropyltoluene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
4-Methyl-2-pentanone	ND	10		µg/L	1	3/17/2022 3:24:00 PM	R86548
Methylene Chloride	ND	3.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
n-Butylbenzene	ND	3.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
n-Propylbenzene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
sec-Butylbenzene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Styrene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
tert-Butylbenzene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
trans-1,2-DCE	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Trichlorofluoromethane	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Vinyl chloride	ND	1.0		µg/L	1	3/17/2022 3:24:00 PM	R86548
Xylenes, Total	ND	1.5		µg/L	1	3/17/2022 3:24:00 PM	R86548

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2203701**
Date Reported: **3/29/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post- Treatment
Project: TWP Roswell Station 9
Collection Date: 3/9/2022 10:05:00 AM
Lab ID: 2203701-004 **Matrix:** AQUEOUS **Received Date:** 3/11/2022 2:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	3/17/2022 3:24:00 PM	R86548
Surr: 4-Bromofluorobenzene	99.6	70-130		%Rec	1	3/17/2022 3:24:00 PM	R86548
Surr: Dibromofluoromethane	99.4	70-130		%Rec	1	3/17/2022 3:24:00 PM	R86548
Surr: Toluene-d8	95.1	70-130		%Rec	1	3/17/2022 3:24:00 PM	R86548

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2203701**
Date Reported: **3/29/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Trip Blank
Project: TWP Roswell Station 9
Collection Date:
Lab ID: 2203701-005
Matrix: TRIP BLANK
Received Date: 3/11/2022 2:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Toluene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Ethylbenzene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Naphthalene	ND	2.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1-Methylnaphthalene	ND	4.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
2-Methylnaphthalene	ND	4.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Acetone	ND	10		µg/L	1	3/16/2022 6:24:00 PM	R86502
Bromobenzene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Bromodichloromethane	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Bromoform	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Bromomethane	ND	3.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
2-Butanone	ND	10		µg/L	1	3/16/2022 6:24:00 PM	R86502
Carbon disulfide	ND	10		µg/L	1	3/16/2022 6:24:00 PM	R86502
Carbon Tetrachloride	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Chlorobenzene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Chloroethane	ND	2.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Chloroform	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Chloromethane	ND	3.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
2-Chlorotoluene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
4-Chlorotoluene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
cis-1,2-DCE	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Dibromochloromethane	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Dibromomethane	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,1-Dichloroethane	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,1-Dichloroethene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,2-Dichloropropane	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,3-Dichloropropane	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
2,2-Dichloropropane	ND	2.0		µg/L	1	3/16/2022 6:24:00 PM	R86502

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2203701**
Date Reported: **3/29/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Trip Blank
Project: TWP Roswell Station 9
Collection Date:
Lab ID: 2203701-005
Matrix: TRIP BLANK
Received Date: 3/11/2022 2:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Hexachlorobutadiene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
2-Hexanone	ND	10		µg/L	1	3/16/2022 6:24:00 PM	R86502
Isopropylbenzene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
4-Isopropyltoluene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
4-Methyl-2-pentanone	ND	10		µg/L	1	3/16/2022 6:24:00 PM	R86502
Methylene Chloride	ND	3.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
n-Butylbenzene	ND	3.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
n-Propylbenzene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
sec-Butylbenzene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Styrene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
tert-Butylbenzene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
trans-1,2-DCE	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Trichlorofluoromethane	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Vinyl chloride	ND	1.0		µg/L	1	3/16/2022 6:24:00 PM	R86502
Xylenes, Total	ND	1.5		µg/L	1	3/16/2022 6:24:00 PM	R86502
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	3/16/2022 6:24:00 PM	R86502
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	3/16/2022 6:24:00 PM	R86502
Surr: Dibromofluoromethane	98.9	70-130		%Rec	1	3/16/2022 6:24:00 PM	R86502
Surr: Toluene-d8	93.4	70-130		%Rec	1	3/16/2022 6:24:00 PM	R86502

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2203701**
29-Mar-22

Client: Earth Con
Project: TWP Roswell Station 9

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **A86443**	RunNo: **86443**
Prep Date:	Analysis Date: **3/14/2022**	SeqNo: **3049710** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Magnesium	ND	1.0								
Potassium	ND	1.0								
Sodium	ND	1.0								

Sample ID: **LLLCS**	SampType: **LCSLL**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **A86443**	RunNo: **86443**
Prep Date:	Analysis Date: **3/14/2022**	SeqNo: **3049712** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0	0.5000	0	99.5	50	150			
Magnesium	ND	1.0	0.5000	0	100	50	150			
Potassium	ND	1.0	0.5000	0	99.6	50	150			
Sodium	ND	1.0	0.5000	0	102	50	150			

Sample ID: **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **A86443**	RunNo: **86443**
Prep Date:	Analysis Date: **3/14/2022**	SeqNo: **3049777** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	48	1.0	50.00	0	96.5	85	115			
Magnesium	49	1.0	50.00	0	97.4	85	115			
Potassium	49	1.0	50.00	0	97.6	85	115			
Sodium	49	1.0	50.00	0	97.8	85	115			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2203701**
29-Mar-22

Client: Earth Con
Project: TWP Roswell Station 9

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R86540**	RunNo: **86540**							
Prep Date:	Analysis Date: **3/16/2022**	SeqNo: **3054156**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	ND	0.20								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R86540**	RunNo: **86540**							
Prep Date:	Analysis Date: **3/16/2022**	SeqNo: **3054157**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	3.5	0.20	3.500	0	101	90	110			

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R86596**	RunNo: **86596**							
Prep Date:	Analysis Date: **3/18/2022**	SeqNo: **3056595**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Bromide	ND	0.10								
Phosphorus, Orthophosphate (As P	ND	0.50								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R86596**	RunNo: **86596**							
Prep Date:	Analysis Date: **3/18/2022**	SeqNo: **3056596**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.53	0.10	0.5000	0	106	90	110			
Bromide	2.6	0.10	2.500	0	104	90	110			
Phosphorus, Orthophosphate (As P	4.9	0.50	5.000	0	97.1	90	110			

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R86656**	RunNo: **86656**							
Prep Date:	Analysis Date: **3/21/2022**	SeqNo: **3059239**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Sulfate	ND	0.50								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R86656**	RunNo: **86656**							
Prep Date:	Analysis Date: **3/21/2022**	SeqNo: **3059240**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2203701**
29-Mar-22

Client: Earth Con
Project: TWP Roswell Station 9

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R86656**	RunNo: **86656**							
Prep Date:	Analysis Date: **3/21/2022**	SeqNo: **3059240**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.4	90	110			
Sulfate	9.4	0.50	10.00	0	94.3	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203701**

29-Mar-22

Client: Earth Con

Project: TWP Roswell Station 9

Sample ID: **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **SL86502**	RunNo: **86502**
Prep Date:	Analysis Date: **3/16/2022**	SeqNo: **3052920** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	111	70	130			
Toluene	22	1.0	20.00	0	112	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.0	70	130			
Surr: Dibromofluoromethane	9.8		10.00		98.5	70	130			
Surr: Toluene-d8	9.7		10.00		97.4	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **SL86502**	RunNo: **86502**
Prep Date:	Analysis Date: **3/16/2022**	SeqNo: **3052921** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		97.9	70	130			
Surr: Dibromofluoromethane	9.8		10.00		97.9	70	130			
Surr: Toluene-d8	9.4		10.00		94.5	70	130			

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **SL86548**	RunNo: **86548**
Prep Date:	Analysis Date: **3/17/2022**	SeqNo: **3055296** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	113	70	130			
Toluene	22	1.0	20.00	0	109	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.0	70	130			
Surr: Toluene-d8	9.3		10.00		93.4	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **SL86548**	RunNo: **86548**
Prep Date:	Analysis Date: **3/17/2022**	SeqNo: **3055297** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2203701**
29-Mar-22

Client: Earth Con
Project: TWP Roswell Station 9

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **SL86548**	RunNo: **86548**
Prep Date:	Analysis Date: **3/17/2022**	SeqNo: **3055297** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		97.9	70	130			
Surr: Dibromofluoromethane	10		10.00		99.8	70	130			
Surr: Toluene-d8	9.5		10.00		94.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2203701**
29-Mar-22

Client: Earth Con
Project: TWP Roswell Station 9

Sample ID: **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R86502**	RunNo: **86502**
Prep Date:	Analysis Date: **3/16/2022**	SeqNo: **3052918** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	111	70	130			
Toluene	22	1.0	20.00	0	112	70	130			
Chlorobenzene	23	1.0	20.00	0	113	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	100	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	107	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.0	70	130			
Surr: Dibromofluoromethane	9.8		10.00		98.5	70	130			
Surr: Toluene-d8	9.7		10.00		97.4	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R86502**	RunNo: **86502**
Prep Date:	Analysis Date: **3/16/2022**	SeqNo: **3052919** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2203701**
29-Mar-22

Client: Earth Con
Project: TWP Roswell Station 9

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R86502**	RunNo: **86502**
Prep Date:	Analysis Date: **3/16/2022**	SeqNo: **3052919** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2203701**
29-Mar-22

Client: Earth Con
Project: TWP Roswell Station 9

Sample ID: **mb** SampType: **MBLK** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW** Batch ID: **R86502** RunNo: **86502**
Prep Date: Analysis Date: **3/16/2022** SeqNo: **3052919** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		97.9	70	130			
Surr: Dibromofluoromethane	9.8		10.00		97.9	70	130			
Surr: Toluene-d8	9.4		10.00		94.5	70	130			

Sample ID: **100ng lcs** SampType: **LCS** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW** Batch ID: **R86548** RunNo: **86548**
Prep Date: Analysis Date: **3/17/2022** SeqNo: **3054722** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	113	70	130			
Toluene	22	1.0	20.00	0	109	70	130			
Chlorobenzene	22	1.0	20.00	0	109	70	130			
1,1-Dichloroethene	21	1.0	20.00	0	104	70	130			
Trichloroethene (TCE)	22	1.0	20.00	0	109	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.0	70	130			
Surr: Toluene-d8	9.3		10.00		93.4	70	130			

Sample ID: **mb** SampType: **MBLK** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW** Batch ID: **R86548** RunNo: **86548**
Prep Date: Analysis Date: **3/17/2022** SeqNo: **3055245** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2203701**
29-Mar-22

Client: Earth Con
Project: TWP Roswell Station 9

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R86548**	RunNo: **86548**
Prep Date:	Analysis Date: **3/17/2022**	SeqNo: **3055245** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2203701**
29-Mar-22

Client: Earth Con
Project: TWP Roswell Station 9

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R86548**	RunNo: **86548**
Prep Date:	Analysis Date: **3/17/2022**	SeqNo: **3055245** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		97.9	70	130			
Surr: Dibromofluoromethane	10		10.00		99.8	70	130			
Surr: Toluene-d8	9.5		10.00		94.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Earth Con | Work Order Number: 2203701 | RcptNo: 1

Received By: **Tracy Casarrubias** 3/11/2022 2:50:00 PM

Completed By: **Tracy Casarrubias** 3/11/2022 3:38:03 PM

Reviewed By: KPG 3/11/22

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	UPS		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☑	No ☐	NA ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: 2 (<2 or >12 unless noted)

Adjusted? NO

Checked by: TMC 3/11/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.3	Good	Not Present			

Released to Imaging: 6/7/2024 10:32:31 AM

Received by OCD: 4/3/2023 5:38:51 AM

Chain-of-Custody Record

Client: EarthCon Consultants, Inc.
ATTN: Sofie Weber-Snapp
Mailing Address: 1880 West Oak Parkway Suite 100
Marietta, Ga 30062
Phone #: 770.973.2100
email or Fax#: Sofie.Weber.Snapp@WSP.com
QA/QC Package: Steve.Diamond@WSP.com
☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: EarthCon Consultants, Inc. TWP Roswell Station 9
Project #: 02,2012.003700 Monthly Discharge H2O Sampling March 2022
Project Manager: Sofie Weber-Snapp
Sampler: CM Barnhill, PC
On Ice: ☒ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 0.3-0.3 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2203701	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	CF, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) Full List	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Dissolved Metals	Ca, Mg, K, Na	+ Field Filtered	O-phosphorus	Bromide
03/09/22	0950	H2O	Pre-Treatment	3x 40 mL VOA's	HCl	001	X														
03/09/22	0955	H2O	Post Air Stripper	3x 40mL VOAs	HCl	002	X														
03/09/22	1000	H2O	Between GAC's	3x 40mL VOAs	HCl	003	X														
03/09/22	10:05	H2O	Post Treatment	3x 40mL VOAs	HCl	004								X							
03/09/22	10:05	H2O	Post-Treatment	3x 125mL HDPE	HNO_3 / H2SO4 / None								X				X	X	X	X	X
		H2O	2x Trip Blank	2x 40mL VOAs	HCl	005															

Remarks: Send ASAP To:
Sofie.Weber.Snapp@WSP.com
ANY Questions? Please Call CMB @ 575.626.1615

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
03/10/22	0830	[signature]	[signature]	CP	3/10/22	14:54
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

May 10, 2022

Sofie Weber-Snapp
Earth Con
14405 Walters Rd Ste 700
Houston, TX
TEL: (317) 450-6126
FAX:

RE: TWP Roswell Station 9 OrderNo.: 2204A05

Dear Sofie Weber-Snapp:

Hall Environmental Analysis Laboratory received 5 sample(s) on 4/22/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2204A05**
Date Reported: **5/10/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Pre-Treatment
Project: TWP Roswell Station 9
Collection Date: 4/21/2022 9:15:00 AM
Lab ID: 2204A05-001 **Matrix:** AQUEOUS **Received Date:** 4/22/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	1100	50		µg/L	50	4/25/2022 12:57:33 PM	B87480
Toluene	1100	50		µg/L	50	4/25/2022 12:57:33 PM	B87480
Ethylbenzene	120	50		µg/L	50	4/25/2022 12:57:33 PM	B87480
Xylenes, Total	1500	100		µg/L	50	4/25/2022 12:57:33 PM	B87480
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	50	4/25/2022 12:57:33 PM	B87480

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204A05**
Date Reported: **5/10/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post Air Stripper
Project: TWP Roswell Station 9
Collection Date: 4/21/2022 9:25:00 AM
Lab ID: 2204A05-002 **Matrix:** AQUEOUS **Received Date:** 4/22/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	24	1.0		µg/L	1	4/25/2022 8:00:56 PM	B87480
Toluene	23	1.0		µg/L	1	4/25/2022 8:00:56 PM	B87480
Ethylbenzene	2.7	1.0		µg/L	1	4/25/2022 8:00:56 PM	B87480
Xylenes, Total	37	2.0		µg/L	1	4/25/2022 8:00:56 PM	B87480
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	4/25/2022 8:00:56 PM	B87480

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204A05**
Date Reported: **5/10/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Between GACs
Project: TWP Roswell Station 9
Collection Date: 4/21/2022 9:30:00 AM
Lab ID: 2204A05-003 **Matrix:** AQUEOUS **Received Date:** 4/22/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	6.0	1.0		µg/L	1	4/25/2022 7:37:27 PM	B87480
Toluene	2.0	1.0		µg/L	1	4/25/2022 7:37:27 PM	B87480
Ethylbenzene	ND	1.0		µg/L	1	4/25/2022 7:37:27 PM	B87480
Xylenes, Total	2.5	2.0		µg/L	1	4/25/2022 7:37:27 PM	B87480
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	4/25/2022 7:37:27 PM	B87480

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204A05**
Date Reported: **5/10/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post-Treatment
Project: TWP Roswell Station 9
Collection Date: 4/21/2022 9:45:00 AM
Lab ID: 2204A05-004 **Matrix:** AQUEOUS **Received Date:** 4/22/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Fluoride	1.6	0.50		mg/L	5	4/22/2022 12:19:57 PM	R87466
Chloride	400	25	*	mg/L	50	4/28/2022 2:05:19 PM	R87625
Bromide	0.69	0.50		mg/L	5	4/22/2022 12:19:57 PM	R87466
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	4/22/2022 12:19:57 PM	R87466
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	4/22/2022 12:19:57 PM	R87466
Sulfate	1200	25	*	mg/L	50	4/28/2022 2:05:19 PM	R87625
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**	
Calcium	430	5.0		mg/L	5	4/25/2022 10:31:37 AM	A87473
Magnesium	120	5.0		mg/L	5	4/25/2022 10:31:37 AM	A87473
Potassium	3.4	1.0		mg/L	1	4/25/2022 10:29:58 AM	A87473
Sodium	210	5.0		mg/L	5	4/25/2022 10:31:37 AM	A87473
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Toluene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Ethylbenzene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Naphthalene	ND	2.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1-Methylnaphthalene	ND	4.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
2-Methylnaphthalene	ND	4.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Acetone	ND	10		µg/L	1	4/22/2022 8:05:00 PM	R87444
Bromobenzene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Bromodichloromethane	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Bromoform	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Bromomethane	ND	3.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
2-Butanone	ND	10		µg/L	1	4/22/2022 8:05:00 PM	R87444
Carbon disulfide	ND	10		µg/L	1	4/22/2022 8:05:00 PM	R87444
Carbon Tetrachloride	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Chlorobenzene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Chloroethane	ND	2.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Chloroform	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Chloromethane	ND	3.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
2-Chlorotoluene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
4-Chlorotoluene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
cis-1,2-DCE	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204A05**
Date Reported: **5/10/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post-Treatment
Project: TWP Roswell Station 9
Collection Date: 4/21/2022 9:45:00 AM
Lab ID: 2204A05-004 **Matrix:** AQUEOUS **Received Date:** 4/22/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Dibromochloromethane	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Dibromomethane	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,1-Dichloroethane	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,1-Dichloroethene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,2-Dichloropropane	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,3-Dichloropropane	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
2,2-Dichloropropane	ND	2.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,1-Dichloropropene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Hexachlorobutadiene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
2-Hexanone	ND	10		µg/L	1	4/22/2022 8:05:00 PM	R87444
Isopropylbenzene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
4-Isopropyltoluene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
4-Methyl-2-pentanone	ND	10		µg/L	1	4/22/2022 8:05:00 PM	R87444
Methylene Chloride	ND	3.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
n-Butylbenzene	ND	3.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
n-Propylbenzene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
sec-Butylbenzene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Styrene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
tert-Butylbenzene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
trans-1,2-DCE	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Trichlorofluoromethane	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Vinyl chloride	ND	1.0		µg/L	1	4/22/2022 8:05:00 PM	R87444
Xylenes, Total	ND	1.5		µg/L	1	4/22/2022 8:05:00 PM	R87444

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204A05**
Date Reported: **5/10/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post-Treatment
Project: TWP Roswell Station 9
Collection Date: 4/21/2022 9:45:00 AM
Lab ID: 2204A05-004 **Matrix:** AQUEOUS **Received Date:** 4/22/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Surr: 1,2-Dichloroethane-d4	98.1	70-130		%Rec	1	4/22/2022 8:05:00 PM	R87444
Surr: 4-Bromofluorobenzene	99.6	70-130		%Rec	1	4/22/2022 8:05:00 PM	R87444
Surr: Dibromofluoromethane	101	70-130		%Rec	1	4/22/2022 8:05:00 PM	R87444
Surr: Toluene-d8	94.6	70-130		%Rec	1	4/22/2022 8:05:00 PM	R87444

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204A05**
Date Reported: **5/10/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Field Blank
Project: TWP Roswell Station 9
Collection Date: 4/21/2022 10:46:00 AM
Lab ID: 2204A05-005 **Matrix:** AQUEOUS **Received Date:** 4/22/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	4/25/2022 2:08:57 PM	B87480
Toluene	ND	1.0		µg/L	1	4/25/2022 2:08:57 PM	B87480
Ethylbenzene	ND	1.0		µg/L	1	4/25/2022 2:08:57 PM	B87480
Xylenes, Total	ND	2.0		µg/L	1	4/25/2022 2:08:57 PM	B87480
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	4/25/2022 2:08:57 PM	B87480

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204A05**

10-May-22

Client: Earth Con

Project: TWP Roswell Station 9

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **A87473**	RunNo: **87473**
Prep Date:	Analysis Date: **4/25/2022**	SeqNo: **3095225** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Magnesium	ND	1.0								
Potassium	ND	1.0								
Sodium	ND	1.0								

Sample ID: **LLLCS**	SampType: **LCSLL**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **A87473**	RunNo: **87473**
Prep Date:	Analysis Date: **4/25/2022**	SeqNo: **3095227** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0	0.5000	0	99.2	50	150			
Magnesium	ND	1.0	0.5000	0	97.3	50	150			
Potassium	ND	1.0	0.5000	0	85.5	50	150			
Sodium	ND	1.0	0.5000	0	110	50	150			

Sample ID: **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **A87473**	RunNo: **87473**
Prep Date:	Analysis Date: **4/25/2022**	SeqNo: **3095229** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	48	1.0	50.00	0	96.4	85	115			
Magnesium	48	1.0	50.00	0	96.8	85	115			
Potassium	48	1.0	50.00	0	95.7	85	115			
Sodium	49	1.0	50.00	0	97.9	85	115			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204A05**

10-May-22

Client: Earth Con

Project: TWP Roswell Station 9

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R87466**	RunNo: **87466**
Prep Date:	Analysis Date: **4/22/2022**	SeqNo: **3094642** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Bromide	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Phosphorus, Orthophosphate (As P)	ND	0.50								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R87466**	RunNo: **87466**
Prep Date:	Analysis Date: **4/22/2022**	SeqNo: **3094643** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.50	0.10	0.5000	0	99.1	90	110			
Bromide	2.4	0.10	2.500	0	97.9	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	100	90	110			
Phosphorus, Orthophosphate (As P)	4.6	0.50	5.000	0	92.9	90	110			

Sample ID: **2204A05-004BMS**	SampType: **ms**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Post-Treatment**	Batch ID: **R87466**	RunNo: **87466**
Prep Date:	Analysis Date: **4/22/2022**	SeqNo: **3094657** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	3.7	0.50	2.500	1.562	85.3	79.7	110			
Bromide	13	0.50	12.50	0.6930	94.6	91.2	106			
Nitrogen, Nitrate (As N)	12	0.50	12.50	0.2755	97.7	93.5	110			
Phosphorus, Orthophosphate (As P)	23	2.5	25.00	0	91.4	80.1	109			

Sample ID: **2204A05-004BMSD**	SampType: **msd**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Post-Treatment**	Batch ID: **R87466**	RunNo: **87466**
Prep Date:	Analysis Date: **4/22/2022**	SeqNo: **3094658** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	3.7	0.50	2.500	1.562	85.3	79.7	110	0.0135	20	
Bromide	12	0.50	12.50	0.6930	93.8	91.2	106	0.830	20	
Nitrogen, Nitrate (As N)	12	0.50	12.50	0.2755	97.2	93.5	110	0.450	20	
Phosphorus, Orthophosphate (As P)	23	2.5	25.00	0	91.3	80.1	109	0.140	20	

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R87625**	RunNo: **87625**
Prep Date:	Analysis Date: **4/28/2022**	SeqNo: **3101985** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204A05**

10-May-22

Client: Earth Con

Project: TWP Roswell Station 9

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R87625**	RunNo: **87625**
Prep Date:	Analysis Date: **4/28/2022**	SeqNo: **3101985** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Sulfate	ND	0.50								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R87625**	RunNo: **87625**
Prep Date:	Analysis Date: **4/28/2022**	SeqNo: **3101986** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	93.3	90	110			
Sulfate	10	0.50	10.00	0	102	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204A05**

10-May-22

Client: Earth Con

Project: TWP Roswell Station 9

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **B87480**	RunNo: **87480**
Prep Date:	Analysis Date: **4/25/2022**	SeqNo: **3095525** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	19		20.00		95.4	70	130			

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **B87480**	RunNo: **87480**
Prep Date:	Analysis Date: **4/25/2022**	SeqNo: **3095526** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	87.5	80	120			
Toluene	18	1.0	20.00	0	92.4	80	120			
Ethylbenzene	19	1.0	20.00	0	94.8	80	120			
Xylenes, Total	58	2.0	60.00	0	96.0	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		104	70	130			

Sample ID: **2204a05-001ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **Pre-Treatment**	Batch ID: **B87480**	RunNo: **87480**
Prep Date:	Analysis Date: **4/25/2022**	SeqNo: **3095528** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	2100	50	1000	1105	96.5	80	120			
Toluene	2100	50	1000	1079	98.3	80	120			
Ethylbenzene	1000	50	1000	115.6	89.4	80	120			
Xylenes, Total	4300	100	3000	1485	93.0	80	120			
Surr: 4-Bromofluorobenzene	1100		1000		105	70	130			

Sample ID: **2204a05-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **Pre-Treatment**	Batch ID: **B87480**	RunNo: **87480**
Prep Date:	Analysis Date: **4/25/2022**	SeqNo: **3095529** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	2100	50	1000	1105	100	80	120	1.66	20	
Toluene	2100	50	1000	1079	105	80	120	3.08	20	
Ethylbenzene	1200	50	1000	115.6	105	80	120	14.1	20	
Xylenes, Total	4600	100	3000	1485	105	80	120	7.79	20	
Surr: 4-Bromofluorobenzene	1000		1000		103	70	130	0	0	

Qualifiers:

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D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204A05**

10-May-22

Client: Earth Con

Project: TWP Roswell Station 9

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R87444**	RunNo: **87444**
Prep Date:	Analysis Date: **4/22/2022**	SeqNo: **3093854** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	102	70	130			
Toluene	19	1.0	20.00	0	96.4	70	130			
Chlorobenzene	19	1.0	20.00	0	96.8	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	98.3	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	98.5	70	130			
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.0	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.5	70	130			
Surr: Dibromofluoromethane	10		10.00		102	70	130			
Surr: Toluene-d8	9.4		10.00		94.4	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R87444**	RunNo: **87444**
Prep Date:	Analysis Date: **4/22/2022**	SeqNo: **3094361** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

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H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2204A05**
10-May-22

Client: Earth Con
Project: TWP Roswell Station 9

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R87444**	RunNo: **87444**
Prep Date:	Analysis Date: **4/22/2022**	SeqNo: **3094361** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204A05**

10-May-22

Client: Earth Con

Project: TWP Roswell Station 9

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R87444**	RunNo: **87444**
Prep Date:	Analysis Date: **4/22/2022**	SeqNo: **3094361** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
tert-Butyl alcohol	ND	25								
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.4	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		96.9	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	9.3		10.00		92.7	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Earth Con | Work Order Number: 2204A05 | RcptNo: 1

Received By: Sean Livingston 4/22/2022 9:30:00 AM

Completed By: Sean Livingston 4/22/2022 9:42:56 AM

Reviewed By: 4-22-22

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? UPS

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☑ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: 2 (<2 or >12 unless noted)
Adjusted? no
Checked by: CMC 4/22/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good				

Released to Imaging: 6/7/2024 10:32:31 AM
Received by OCD: 4/3/2023 5:38:51 AM

Chain-of-Custody Record

Client: Earthcon Consultants, Inc.
ATTN: Sofie Weber-Snapp
Mailing Address: 1660 West Oak Parkway Suite 100
Marietta, Ga 30062
Phone #: 770.973.2100
email or Fax#: Sofie.Weber.Snapp@WSP.com
QA/QC Package: Steve.diamond@wsp.com
☐ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: Earthcon Consultants, Inc - TWP Roswell Station 9
Project #: 02.2012.003700 Monthly Discharge H2O Sampling April 2022
Project Manager: Sofie Weber Snapp
Sampler: CM Barkhill, PE
On Ice: ☒ Yes ☐ No
# of Coolers: 1
Cooler Temp (Including CF): 2.1 ±0.2.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2204A05	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) Full List	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Dissolved metals	Ca, Mg, K, Na	* Field Filtered	O-Phosphorus	Bromide
04/21/22	0915	H2O	Pre-Treatment	3x 40ml VOAs	HCl	001	X														
04/21/22	0925	H2O	Post Air Stripper	3x 40ml VOAs	HCl	002	X														
04/21/22	0930	H2O	Between GAC's	3x 40ml VOAs	HCl	003	X														
04/21/22	0945	H2O	Post-Treatment	3x 40ml VOAs	HCl	004								X							
04/21/22	0945	H2O	Post-Treatment	3x 125ml HDPE	None H2SO4 HNO3	1							X				X	X	X	X	X
04/21/22	1046	H2O	Field Blank	3x 40ml VOAs	HCl	005															

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
04/21/22	11:00			Sar 4/22/22 UPS	4/22/22	9:30
Date	Time	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send Results ASAP To: Sofie.Weber.Snapp@WSP.com
Any Questions? Please Call CMB @ 575-626-1615

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 10, 2022

Sofie Weber-Snapp
Earth Con
14405 Walters Rd Ste 700
Houston, TX
TEL: (317) 450-6126
FAX:

RE: Earth Con Consultants Inc TWP Roswell Station 9 OrderNo.: 2205A42

Dear Sofie Weber-Snapp:

Hall Environmental Analysis Laboratory received 5 sample(s) on 5/24/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2205A42**
Date Reported: **6/10/2022**

CLIENT: Earth Con
Client Sample ID: Pre-Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 5/23/2022 6:50:00 AM
Lab ID: 2205A42-001 **Matrix:** AQUEOUS **Received Date:** 5/24/2022 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	820	50		µg/L	50	5/26/2022 10:52:00 PM	SL88303
Toluene	1300	50		µg/L	50	5/26/2022 10:52:00 PM	SL88303
Ethylbenzene	150	50		µg/L	50	5/26/2022 10:52:00 PM	SL88303
Xylenes, Total	1400	75		µg/L	50	5/26/2022 10:52:00 PM	SL88303
Surr: 1,2-Dichloroethane-d4	79.6	70-130		%Rec	50	5/26/2022 10:52:00 PM	SL88303
Surr: 4-Bromofluorobenzene	94.7	70-130		%Rec	50	5/26/2022 10:52:00 PM	SL88303
Surr: Dibromofluoromethane	86.2	70-130		%Rec	50	5/26/2022 10:52:00 PM	SL88303
Surr: Toluene-d8	95.5	70-130		%Rec	50	5/26/2022 10:52:00 PM	SL88303

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2205A42**
Date Reported: **6/10/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post Air Stripper
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 5/23/2022 7:00:00 AM
Lab ID: 2205A42-002 **Matrix:** AQUEOUS **Received Date:** 5/24/2022 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	8.2	1.0		µg/L	1	5/26/2022 11:15:00 PM	SL88303
Toluene	13	1.0		µg/L	1	5/26/2022 11:15:00 PM	SL88303
Ethylbenzene	1.5	1.0		µg/L	1	5/26/2022 11:15:00 PM	SL88303
Xylenes, Total	16	1.5		µg/L	1	5/26/2022 11:15:00 PM	SL88303
Surr: 1,2-Dichloroethane-d4	83.7	70-130		%Rec	1	5/26/2022 11:15:00 PM	SL88303
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	5/26/2022 11:15:00 PM	SL88303
Surr: Dibromofluoromethane	89.1	70-130		%Rec	1	5/26/2022 11:15:00 PM	SL88303
Surr: Toluene-d8	97.3	70-130		%Rec	1	5/26/2022 11:15:00 PM	SL88303

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2205A42**
Date Reported: **6/10/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Between GAC's
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 5/23/2022 7:10:00 AM
Lab ID: 2205A42-003 **Matrix:** AQUEOUS **Received Date:** 5/24/2022 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	1.7	1.0		µg/L	1	5/26/2022 11:38:00 PM	SL88303
Toluene	ND	1.0		µg/L	1	5/26/2022 11:38:00 PM	SL88303
Ethylbenzene	ND	1.0		µg/L	1	5/26/2022 11:38:00 PM	SL88303
Xylenes, Total	ND	1.5		µg/L	1	5/26/2022 11:38:00 PM	SL88303
Surr: 1,2-Dichloroethane-d4	83.1	70-130		%Rec	1	5/26/2022 11:38:00 PM	SL88303
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	1	5/26/2022 11:38:00 PM	SL88303
Surr: Dibromofluoromethane	89.2	70-130		%Rec	1	5/26/2022 11:38:00 PM	SL88303
Surr: Toluene-d8	95.3	70-130		%Rec	1	5/26/2022 11:38:00 PM	SL88303

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2205A42**
Date Reported: **6/10/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post-Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 5/23/2022 7:20:00 AM
Lab ID: 2205A42-004 **Matrix:** AQUEOUS **Received Date:** 5/24/2022 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Fluoride	1.6	0.50		mg/L	5	5/24/2022 4:37:34 PM	R88243
Chloride	360	25	*	mg/L	50	5/26/2022 4:17:08 PM	R88325
Bromide	0.52	0.50		mg/L	5	5/24/2022 4:37:34 PM	R88243
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	5/24/2022 4:37:34 PM	R88243
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	5/24/2022 4:37:34 PM	R88243
Sulfate	1200	25	*	mg/L	50	5/26/2022 4:17:08 PM	R88325
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**	
Calcium	400	5.0		mg/L	5	5/26/2022 12:21:30 PM	A88292
Magnesium	110	5.0		mg/L	5	5/26/2022 12:21:30 PM	A88292
Potassium	2.5	1.0		mg/L	1	5/26/2022 12:19:53 PM	A88292
Sodium	190	5.0		mg/L	5	5/26/2022 12:21:30 PM	A88292
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Toluene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Ethylbenzene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Naphthalene	ND	2.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
2-Methylnaphthalene	ND	4.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Acetone	ND	10		µg/L	1	5/27/2022 12:01:00 AM	R88303
Bromobenzene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Bromodichloromethane	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Bromoform	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Bromomethane	ND	3.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
2-Butanone	ND	10		µg/L	1	5/27/2022 12:01:00 AM	R88303
Carbon disulfide	ND	10		µg/L	1	5/27/2022 12:01:00 AM	R88303
Carbon Tetrachloride	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Chlorobenzene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Chloroethane	ND	2.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Chloroform	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Chloromethane	ND	3.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
2-Chlorotoluene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
4-Chlorotoluene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
cis-1,2-DCE	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2205A42**
Date Reported: **6/10/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post-Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 5/23/2022 7:20:00 AM
Lab ID: 2205A42-004 **Matrix:** AQUEOUS **Received Date:** 5/24/2022 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Dibromochloromethane	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Dibromomethane	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,2-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,3-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,4-Dichlorobenzene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Dichlorodifluoromethane	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,1-Dichloroethane	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,1-Dichloroethene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,2-Dichloropropane	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,3-Dichloropropane	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
2,2-Dichloropropane	ND	2.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,1-Dichloropropene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Hexachlorobutadiene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
2-Hexanone	ND	10		µg/L	1	5/27/2022 12:01:00 AM	R88303
Isopropylbenzene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
4-Isopropyltoluene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
4-Methyl-2-pentanone	ND	10		µg/L	1	5/27/2022 12:01:00 AM	R88303
Methylene Chloride	ND	3.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
n-Butylbenzene	ND	3.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
n-Propylbenzene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
sec-Butylbenzene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Styrene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
tert-Butylbenzene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
trans-1,2-DCE	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,1,1-Trichloroethane	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,1,2-Trichloroethane	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Trichloroethene (TCE)	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Trichlorofluoromethane	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
1,2,3-Trichloropropane	ND	2.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Vinyl chloride	ND	1.0		µg/L	1	5/27/2022 12:01:00 AM	R88303
Xylenes, Total	ND	1.5		µg/L	1	5/27/2022 12:01:00 AM	R88303

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2205A42**
Date Reported: **6/10/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post-Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 5/23/2022 7:20:00 AM
Lab ID: 2205A42-004 **Matrix:** AQUEOUS **Received Date:** 5/24/2022 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Surr: 1,2-Dichloroethane-d4	84.7	70-130		%Rec	1	5/27/2022 12:01:00 AM	R88303
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	1	5/27/2022 12:01:00 AM	R88303
Surr: Dibromofluoromethane	91.6	70-130		%Rec	1	5/27/2022 12:01:00 AM	R88303
Surr: Toluene-d8	95.1	70-130		%Rec	1	5/27/2022 12:01:00 AM	R88303

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2205A42**
Date Reported: **6/10/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con **Client Sample ID:** TRIP BLANK
Project: Earth Con Consultants Inc TWP Roswell **Collection Date:**
Lab ID: 2205A42-005 **Matrix:** TRIP BLANK **Received Date:** 5/24/2022 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	5/27/2022 12:24:00 AM	SL88303
Toluene	ND	1.0		µg/L	1	5/27/2022 12:24:00 AM	SL88303
Ethylbenzene	ND	1.0		µg/L	1	5/27/2022 12:24:00 AM	SL88303
Xylenes, Total	ND	1.5		µg/L	1	5/27/2022 12:24:00 AM	SL88303
Surr: 1,2-Dichloroethane-d4	84.5	70-130		%Rec	1	5/27/2022 12:24:00 AM	SL88303
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	5/27/2022 12:24:00 AM	SL88303
Surr: Dibromofluoromethane	91.2	70-130		%Rec	1	5/27/2022 12:24:00 AM	SL88303
Surr: Toluene-d8	92.2	70-130		%Rec	1	5/27/2022 12:24:00 AM	SL88303

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205A42**

10-Jun-22

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **A88292**	RunNo: **88292**
Prep Date:	Analysis Date: **5/26/2022**	SeqNo: **3131248** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	48	1.0	50.00	0	95.6	85	115			
Magnesium	49	1.0	50.00	0	98.9	85	115			
Potassium	49	1.0	50.00	0	98.6	85	115			
Sodium	49	1.0	50.00	0	98.2	85	115			

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **A88292**	RunNo: **88292**
Prep Date:	Analysis Date: **5/26/2022**	SeqNo: **3131374** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Magnesium	ND	1.0								
Potassium	ND	1.0								
Sodium	ND	1.0								

Sample ID: **LLLCS**	SampType: **LCSLL**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **A88292**	RunNo: **88292**
Prep Date:	Analysis Date: **5/26/2022**	SeqNo: **3131376** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0	0.5000	0	93.9	50	150			
Magnesium	ND	1.0	0.5000	0	99.6	50	150			
Potassium	ND	1.0	0.5000	0	126	50	150			
Sodium	ND	1.0	0.5000	0	88.8	50	150			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205A42**

10-Jun-22

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R88243**	RunNo: **88243**
Prep Date:	Analysis Date: **5/24/2022**	SeqNo: **3129369** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Bromide	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Phosphorus, Orthophosphate (As P)	ND	0.50								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R88243**	RunNo: **88243**
Prep Date:	Analysis Date: **5/24/2022**	SeqNo: **3129370** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.50	0.10	0.5000	0	99.2	90	110			
Bromide	2.5	0.10	2.500	0	98.9	90	110			
Nitrogen, Nitrate (As N)	2.6	0.10	2.500	0	103	90	110			
Phosphorus, Orthophosphate (As P)	4.7	0.50	5.000	0	93.3	90	110			

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R88325**	RunNo: **88325**
Prep Date:	Analysis Date: **5/26/2022**	SeqNo: **3132415** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Sulfate	ND	0.50								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R88325**	RunNo: **88325**
Prep Date:	Analysis Date: **5/26/2022**	SeqNo: **3132416** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	93.3	90	110			
Sulfate	10	0.50	10.00	0	99.9	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205A42**

10-Jun-22

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **SL88303**	RunNo: **88303**
Prep Date:	Analysis Date: **5/26/2022**	SeqNo: **3132820** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	89.3	70	130			
Toluene	20	1.0	20.00	0	99.4	70	130			
Surr: 1,2-Dichloroethane-d4	8.0		10.00		80.0	70	130			
Surr: 4-Bromofluorobenzene	8.8		10.00		88.3	70	130			
Surr: Dibromofluoromethane	8.3		10.00		83.2	70	130			
Surr: Toluene-d8	8.9		10.00		89.0	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **SL88303**	RunNo: **88303**
Prep Date:	Analysis Date: **5/26/2022**	SeqNo: **3132821** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	8.1		10.00		81.4	70	130			
Surr: 4-Bromofluorobenzene	8.7		10.00		87.3	70	130			
Surr: Dibromofluoromethane	8.5		10.00		85.3	70	130			
Surr: Toluene-d8	8.9		10.00		88.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2205A42**
10-Jun-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **100ng lcs** SampType: **LCS** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW** Batch ID: **R88303** RunNo: **88303**
Prep Date: Analysis Date: **5/26/2022** SeqNo: **3131732** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	89.3	70	130			
Toluene	20	1.0	20.00	0	99.4	70	130			
Chlorobenzene	21	1.0	20.00	0	103	70	130			
1,1-Dichloroethene	17	1.0	20.00	0	86.2	70	130			
Trichloroethene (TCE)	18	1.0	20.00	0	87.7	70	130			
Surr: 1,2-Dichloroethane-d4	8.0		10.00		80.0	70	130			
Surr: 4-Bromofluorobenzene	8.8		10.00		88.3	70	130			
Surr: Dibromofluoromethane	8.3		10.00		83.2	70	130			
Surr: Toluene-d8	8.9		10.00		89.0	70	130			

Sample ID: **mb** SampType: **MBLK** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW** Batch ID: **R88303** RunNo: **88303**
Prep Date: Analysis Date: **5/26/2022** SeqNo: **3132105** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2205A42**
10-Jun-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R88303**	RunNo: **88303**
Prep Date:	Analysis Date: **5/26/2022**	SeqNo: **3132105** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205A42**

10-Jun-22

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R88303**	RunNo: **88303**
Prep Date:	Analysis Date: **5/26/2022**	SeqNo: **3132105** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	8.1		10.00		81.4	70	130			
Surr: 4-Bromofluorobenzene	8.7		10.00		87.3	70	130			
Surr: Dibromofluoromethane	8.5		10.00		85.3	70	130			
Surr: Toluene-d8	8.9		10.00		88.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Earth Con | Work Order Number: 2205A42 | RcptNo: 1

Received By: **Kasandra Payan** 5/24/2022 10:15:00 AM KP

Completed By: **Sean Livingston** 5/24/2022 10:31:26 AM SL

Reviewed By: KPA 5.24.22

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	UPS		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☑	No ☐	NA ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: 2 (<2 or >12 unless noted)
Adjusted? NO
Checked by: JM 5/24/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: ____ Date: ____
By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: ____
Client Instructions: ____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.1	Good				

Released to Imaging: 6/7/2024 10:32:31 AM
Received by OCD: 4/3/2023 5:38:51 AM

Chain-of-Custody Record

Client: EarthCon Consultants, Inc./WSP
ATTN: Sofie Weber-Snapp
Mailing Address: 1550 West Oak Parkway Suite 100 Marietta, GA 30062
Phone #: 770-973-2101
email or Fax#: Sofie.Weber.Snapp@wsp.com
QA/QC Package: Steve.Diamond@wsp.com
☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: EarthCon Consultants Inc./WSP TWP Roswell Station 9
Project #: 02.2012.003700 Monthly Discharge Water Sampling May 2022
Project Manager: Sofie Weber Snapp
Sampler: CM Barnhill, PG
On Ice: ☒ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 5.2-0.1=5.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2205A42	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260(VOA) Full List	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Dissolved Metals Ca, Mg, K, Na	+ Field Filtered X	O - Phosphorus Br, I, F
05/23/22	0650	H2O	Pre-Treatment	3x40mL VOAs	HCl	001	X												
05/23/22	0700	H2O	Post-Treatment Post Air Stripper	3x40mL VOAs	HCl	002	X												
05/23/22	0710	H2O	Between GAC's	3x40mL VOAs	HCl	003	X												
05/23/22	0720	H2O	Post-Treatment	5x40mL VOAs	HCl	004								X					
	0720	H2O	Post Treatment	1x250mL HDPE	None								X				X	X	X
	0720	H2O	Post-Treatment	1x250mL HDPE	H_2SO_4								X				X	X	X
	0720	H2O	Post-Treatment	1x250mL HDPE	HNO_3								X				X	X	X
			Trip Blank	3x40mL VOAs	HCl	005													

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
05/23/22	0900			UPS	5.24.22	10:15
Date	Time	Relinquished by:	Received by:	Via:	Date	Time
				HDG 5.24.22		

Remarks: Send Results ASAP To: Sofie.Weber.Snapp@wsp.com. Any Questions? Call CMB @ 575.626.1615

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 02, 2022

Sofie Weber-Snapp
Earth Con
14405 Walters Rd Ste 700
Houston, TX
TEL: (317) 450-6126
FAX:

RE: EarthCon Consultants TWP Roswell Station 9 OrderNo.: 2207761

Dear Sofie Weber-Snapp:

Hall Environmental Analysis Laboratory received 5 sample(s) on 7/15/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2207761**
Date Reported: **8/2/2022**

CLIENT: Earth Con
Client Sample ID: Pre-Treatment
Project: EarthCon Consultants TWP Roswell Stat
Collection Date: 7/14/2022 12:50:00 PM
Lab ID: 2207761-001 **Matrix:** AQUEOUS **Received Date:** 7/15/2022 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **BRM**	
Benzene	2800	100		µg/L	100	7/18/2022 1:54:01 PM	B89548
Toluene	470	5.0		µg/L	5	7/15/2022 3:15:19 PM	B89548
Ethylbenzene	170	5.0		µg/L	5	7/15/2022 3:15:19 PM	B89548
Xylenes, Total	610	7.5		µg/L	5	7/15/2022 3:15:19 PM	B89548
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	5	7/15/2022 3:15:19 PM	B89548
Surr: Dibromofluoromethane	101	70-130		%Rec	5	7/15/2022 3:15:19 PM	B89548
Surr: Toluene-d8	101	70-130		%Rec	5	7/15/2022 3:15:19 PM	B89548

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2207761**
Date Reported: **8/2/2022**

CLIENT: Earth Con
Client Sample ID: Post Air Stripper
Project: EarthCon Consultants TWP Roswell Stat
Collection Date: 7/14/2022 12:55:00 PM
Lab ID: 2207761-002 **Matrix:** AQUEOUS **Received Date:** 7/15/2022 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **BRM**	
Benzene	6.8	1.0		µg/L	1	7/18/2022 12:59:19 PM	B89548
Toluene	ND	1.0		µg/L	1	7/18/2022 12:59:19 PM	B89548
Ethylbenzene	ND	1.0		µg/L	1	7/18/2022 12:59:19 PM	B89548
Xylenes, Total	2.2	1.5		µg/L	1	7/18/2022 12:59:19 PM	B89548
Surr: 1,2-Dichloroethane-d4	114	70-130		%Rec	1	7/18/2022 12:59:19 PM	B89548
Surr: Dibromofluoromethane	120	70-130		%Rec	1	7/18/2022 12:59:19 PM	B89548
Surr: Toluene-d8	101	70-130		%Rec	1	7/18/2022 12:59:19 PM	B89548

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2207761**
Date Reported: **8/2/2022**

CLIENT: Earth Con
Client Sample ID: Between GACS
Project: EarthCon Consultants TWP Roswell Stat
Collection Date: 7/14/2022 1:00:00 PM
Lab ID: 2207761-003 **Matrix:** AQUEOUS **Received Date:** 7/15/2022 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **BRM**	
Benzene	1.9	1.0		µg/L	1	7/18/2022 1:26:37 PM	B89548
Toluene	ND	1.0		µg/L	1	7/18/2022 1:26:37 PM	B89548
Ethylbenzene	ND	1.0		µg/L	1	7/18/2022 1:26:37 PM	B89548
Xylenes, Total	ND	1.5		µg/L	1	7/18/2022 1:26:37 PM	B89548
Surr: 1,2-Dichloroethane-d4	116	70-130		%Rec	1	7/18/2022 1:26:37 PM	B89548
Surr: Dibromofluoromethane	120	70-130		%Rec	1	7/18/2022 1:26:37 PM	B89548
Surr: Toluene-d8	99.5	70-130		%Rec	1	7/18/2022 1:26:37 PM	B89548

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207761**
Date Reported: **8/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post-Treatment
Project: EarthCon Consultants TWP Roswell Stat
Collection Date: 7/14/2022 1:10:00 PM
Lab ID: 2207761-004 **Matrix:** AQUEOUS **Received Date:** 7/15/2022 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Fluoride	1.3	0.10		mg/L	1	7/15/2022 8:50:26 PM	R89527
Chloride	400	25	*	mg/L	50	7/25/2022 5:07:01 PM	R89779
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	7/15/2022 8:50:26 PM	R89527
Bromide	0.69	0.10		mg/L	1	7/15/2022 8:50:26 PM	R89527
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	7/15/2022 8:50:26 PM	R89527
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	7/15/2022 8:50:26 PM	R89527
Sulfate	930	25	*	mg/L	50	7/25/2022 5:07:01 PM	R89779
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **JLF**	
Calcium	320	10		mg/L	10	7/15/2022 4:41:38 PM	B89561
Magnesium	110	10		mg/L	10	7/15/2022 4:41:38 PM	B89561
Potassium	2.5	1.0		mg/L	1	7/15/2022 4:39:57 PM	B89561
Sodium	190	10		mg/L	10	7/15/2022 4:41:38 PM	B89561
EPA METHOD 8260B: VOLATILES						Analyst: **BRM**	
Benzene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Toluene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Ethylbenzene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Naphthalene	ND	2.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1-Methylnaphthalene	ND	4.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
2-Methylnaphthalene	ND	4.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Acetone	ND	10		µg/L	1	7/15/2022 5:32:03 PM	A89548
Bromobenzene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Bromodichloromethane	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Bromoform	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Bromomethane	ND	3.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
2-Butanone	ND	10		µg/L	1	7/15/2022 5:32:03 PM	A89548
Carbon disulfide	ND	10		µg/L	1	7/15/2022 5:32:03 PM	A89548
Carbon Tetrachloride	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Chlorobenzene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Chloroethane	ND	2.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Chloroform	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Chloromethane	ND	3.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
2-Chlorotoluene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
4-Chlorotoluene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207761**
Date Reported: **8/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post-Treatment
Project: EarthCon Consultants TWP Roswell Stat
Collection Date: 7/14/2022 1:10:00 PM
Lab ID: 2207761-004 **Matrix:** AQUEOUS **Received Date:** 7/15/2022 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **BRM**	
cis-1,2-DCE	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Dibromochloromethane	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Dibromomethane	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,1-Dichloroethane	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,1-Dichloroethene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,2-Dichloropropane	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,3-Dichloropropane	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
2,2-Dichloropropane	ND	2.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,1-Dichloropropene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Hexachlorobutadiene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
2-Hexanone	ND	10		µg/L	1	7/15/2022 5:32:03 PM	A89548
Isopropylbenzene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
4-Isopropyltoluene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
4-Methyl-2-pentanone	ND	10		µg/L	1	7/15/2022 5:32:03 PM	A89548
Methylene Chloride	ND	3.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
n-Butylbenzene	ND	3.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
n-Propylbenzene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
sec-Butylbenzene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Styrene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
tert-Butylbenzene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
trans-1,2-DCE	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Trichlorofluoromethane	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/15/2022 5:32:03 PM	A89548
Vinyl chloride	ND	1.0		µg/L	1	7/15/2022 5:32:03 PM	A89548

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207761**
Date Reported: **8/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post-Treatment
Project: EarthCon Consultants TWP Roswell Stat
Collection Date: 7/14/2022 1:10:00 PM
Lab ID: 2207761-004 **Matrix:** AQUEOUS **Received Date:** 7/15/2022 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **BRM**	
Xylenes, Total	ND	1.5		µg/L	1	7/15/2022 5:32:03 PM	A89548
Surr: 1,2-Dichloroethane-d4	117	70-130		%Rec	1	7/15/2022 5:32:03 PM	A89548
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	7/15/2022 5:32:03 PM	A89548
Surr: Dibromofluoromethane	116	70-130		%Rec	1	7/15/2022 5:32:03 PM	A89548
Surr: Toluene-d8	101	70-130		%Rec	1	7/15/2022 5:32:03 PM	A89548

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207761**
Date Reported: **8/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Feild Blank
Project: EarthCon Consultants TWP Roswell Stat
Collection Date: 7/14/2022 2:45:00 PM
Lab ID: 2207761-005 **Matrix:** AQUEOUS **Received Date:** 7/15/2022 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **BRM**	
Benzene	ND	1.0		µg/L	1	7/15/2022 5:59:23 PM	B89548
Toluene	ND	1.0		µg/L	1	7/15/2022 5:59:23 PM	B89548
Ethylbenzene	ND	1.0		µg/L	1	7/15/2022 5:59:23 PM	B89548
Xylenes, Total	ND	1.5		µg/L	1	7/15/2022 5:59:23 PM	B89548
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	7/15/2022 5:59:23 PM	B89548
Surr: Dibromofluoromethane	112	70-130		%Rec	1	7/15/2022 5:59:23 PM	B89548
Surr: Toluene-d8	96.2	70-130		%Rec	1	7/15/2022 5:59:23 PM	B89548

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207761**

02-Aug-22

Client: Earth Con

Project: EarthCon Consultants TWP Roswell Station 9

Sample ID: **MB-B**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **B89561**	RunNo: **89561**
Prep Date:	Analysis Date: **7/15/2022**	SeqNo: **3187970** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Magnesium	ND	1.0								
Potassium	ND	1.0								
Sodium	ND	1.0								

Sample ID: **LLLCS-B**	SampType: **LCSLL**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **B89561**	RunNo: **89561**
Prep Date:	Analysis Date: **7/15/2022**	SeqNo: **3187971** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0	0.5000	0	105	50	150			
Magnesium	ND	1.0	0.5000	0	103	50	150			
Potassium	ND	1.0	0.5000	0	86.8	50	150			
Sodium	ND	1.0	0.5000	0	105	50	150			

Sample ID: **LCS-B**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **B89561**	RunNo: **89561**
Prep Date:	Analysis Date: **7/15/2022**	SeqNo: **3187972** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	50	1.0	50.00	0	101	85	115			
Magnesium	50	1.0	50.00	0	101	85	115			
Potassium	50	1.0	50.00	0	99.5	85	115			
Sodium	50	1.0	50.00	0	99.9	85	115			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207761**

02-Aug-22

Client: Earth Con

Project: EarthCon Consultants TWP Roswell Station 9

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R89527**	RunNo: **89527**
Prep Date:	Analysis Date: **7/15/2022**	SeqNo: **3187047** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Nitrogen, Nitrite (As N)	ND	0.10								
Bromide	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Phosphorus, Orthophosphate (As P)	ND	0.50								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R89527**	RunNo: **89527**
Prep Date:	Analysis Date: **7/15/2022**	SeqNo: **3187048** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.52	0.10	0.5000	0	103	90	110			
Nitrogen, Nitrite (As N)	0.98	0.10	1.000	0	98.3	90	110			
Bromide	2.5	0.10	2.500	0	98.8	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	101	90	110			
Phosphorus, Orthophosphate (As P)	4.7	0.50	5.000	0	94.3	90	110			

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R89779**	RunNo: **89779**
Prep Date:	Analysis Date: **7/25/2022**	SeqNo: **3197034** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Sulfate	ND	0.50								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R89779**	RunNo: **89779**
Prep Date:	Analysis Date: **7/25/2022**	SeqNo: **3197036** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	91.2	90	110			
Sulfate	9.9	0.50	10.00	0	98.7	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207761**

02-Aug-22

Client: Earth Con

Project: EarthCon Consultants TWP Roswell Station 9

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **B89548**	RunNo: **89548**
Prep Date:	Analysis Date: **7/15/2022**	SeqNo: **3187456** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	113	70	130			
Toluene	20	1.0	20.00	0	101	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		108	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		110	70	130			
Surr: Dibromofluoromethane	12		10.00		115	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **B89548**	RunNo: **89548**
Prep Date:	Analysis Date: **7/15/2022**	SeqNo: **3187464** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		111	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		109	70	130			
Surr: Dibromofluoromethane	11		10.00		114	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID: **2207761-001a ms**	SampType: **MS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **Pre-Treatment**	Batch ID: **B89548**	RunNo: **89548**
Prep Date:	Analysis Date: **7/15/2022**	SeqNo: **3187646** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	2500	5.0	100.0	2518	20.3	70	130			ES
Toluene	520	5.0	100.0	470.8	53.0	70	130			ES
Surr: 1,2-Dichloroethane-d4	53		50.00		106	70	130			
Surr: 4-Bromofluorobenzene	54		50.00		108	70	130			
Surr: Dibromofluoromethane	49		50.00		98.2	70	130			
Surr: Toluene-d8	49		50.00		97.7	70	130			

Sample ID: **2207761-001a msd**	SampType: **MSD**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **Pre-Treatment**	Batch ID: **B89548**	RunNo: **89548**
Prep Date:	Analysis Date: **7/15/2022**	SeqNo: **3187647** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	2500	5.0	100.0	2518	-28.1	70	130	1.93	20	ES
Toluene	510	5.0	100.0	470.8	37.1	70	130	3.10	20	ES

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207761**

02-Aug-22

Client: Earth Con

Project: EarthCon Consultants TWP Roswell Station 9

Sample ID: **2207761-001a msd**	SampType: **MSD**		TestCode: **EPA Method 8260: Volatiles Short List**		
Client ID: **Pre-Treatment**	Batch ID: **B89548**		RunNo: **89548**		
Prep Date:	Analysis Date: **7/15/2022**		SeqNo: **3187647**	Units: **µg/L**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	53		50.00		105	70	130	0	0	
Surr: 4-Bromofluorobenzene	52		50.00		105	70	130	0	0	
Surr: Dibromofluoromethane	50		50.00		101	70	130	0	0	
Surr: Toluene-d8	49		50.00		97.1	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207761**

02-Aug-22

Client: Earth Con

Project: EarthCon Consultants TWP Roswell Station 9

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **A89548**	RunNo: **89548**
Prep Date:	Analysis Date: **7/15/2022**	SeqNo: **3187446** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	113	70	130			
Toluene	20	1.0	20.00	0	101	70	130			
Chlorobenzene	21	1.0	20.00	0	103	70	130			
1,1-Dichloroethene	21	1.0	20.00	0	107	70	130			
Trichloroethene (TCE)	22	1.0	20.00	0	108	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		108	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		110	70	130			
Surr: Dibromofluoromethane	12		10.00		115	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A89548**	RunNo: **89548**
Prep Date:	Analysis Date: **7/15/2022**	SeqNo: **3187455** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2207761**
02-Aug-22

Client: Earth Con
Project: EarthCon Consultants TWP Roswell Station 9

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A89548**	RunNo: **89548**
Prep Date:	Analysis Date: **7/15/2022**	SeqNo: **3187455** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207761**

02-Aug-22

Client: Earth Con

Project: EarthCon Consultants TWP Roswell Station 9

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A89548**	RunNo: **89548**
Prep Date:	Analysis Date: **7/15/2022**	SeqNo: **3187455** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		111	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		109	70	130			
Surr: Dibromofluoromethane	11		10.00		114	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **Earth Con** Work Order Number: **2207761** RcptNo: **1**

Received By: **Kasandra Payan** **7/15/2022 9:40:00 AM**

Completed By: **Cheyenne Cason** **7/15/2022 10:37:24 AM**

Reviewed By: 7-15-22

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? UPS

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☑ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: 2 (<2 or >12 unless noted)

Adjusted? no

Checked by: CMC 7/15/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	6.0	Good	Not Present			

Released to Imaging: 6/7/2024 10:32:31 AM
Received by OCD: 4/3/2023 5:38:51 AM

Chain-of-Custody Record

Client: EarthCon Consultants / WSP
ATTN: Sofie Weber-Snapp
Mailing Address: 1880 West Oak Parkway Suite 100
Marietta, GA 30062
Phone #: 770.973.2400
email or Fax#: Sofie.Weber.Snapp@wsp.com
QA/QC Package: Steve.Diamond@wsp.com
☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: EarthCon Consultants, Inc. TWP Roswell Station 9
Project #: 02.2012.005700 Monthly Discharge H2O Sampling July 2022
Project Manager: Sofie Weber-Snapp
Sampler: Om Barnhill, PG
On Ice: ☒ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 6.0-0=6.0(°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2207761	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) Full List	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Dissolved Metals	Ca, Mg, K, Na	+ Field Filtered	O-phosphorus	Bromide
07/14/22	12:50	H_2O	Pre-Treatment	2x 40mL VOAs	HCl	001	X														
07/14/22	12:55	H_2O	Post Air Stripper	2x 40mL VOAs	HCl	002	X														
07/14/22	13:00	H_2O	Between GAC's	2x 40mL VOAs	HCl	003	X														
07/14/22	13:10	H_2O	Post-Treatment	3x 40mL VOAs	HCl	004								X							
07/14/22	13:10	H_2O	Post-Treatment	1x 125mL HDPE	None								X								
07/14/22	13:10	H_2O	Post-Treatment	1x 125mL HDPE	H_2SO_4								X								
07/14/22	13:10	H_2O	Post-Treatment	1x 125mL HDPE	HNO_3								X				X	X	X	X	X
07/14/22	1445	H_2O	Field Blank	3x 40mL VOAs	HCl	005	✓	per Clayton out of state													

Date: 07/14/22 Time: 1430 Relinquished by:
Received by: Via: UPS Date: 7.15.22 Time: 9:40
Date: Time: Relinquished by:
Received by: Via: Date: Time:

Remarks: Send Results ASAP To: Sofie.Weber.Snapp@wsp.com
ANY Questions? Please Call OMB @ 575.626.1615

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

September 22, 2022

Sofie Weber-Snapp

Earth Con
14405 Walters Rd Ste 700
Houston, TX
TEL: (317) 450-6126
FAX:

RE: Earth Con Consultants Inc TWP Roswell Station 9 OrderNo.: 2208D76

Dear Sofie Weber-Snapp:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/23/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2208D76**
Date Reported: **9/22/2022**

CLIENT: Earth Con
Client Sample ID: Pre-Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 8/22/2022 10:25:00 AM
Lab ID: 2208D76-001 **Matrix:** AQUEOUS **Received Date:** 8/23/2022 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	2600	100	P	µg/L	100	8/24/2022 4:58:00 AM	B90488
Toluene	2400	100	P	µg/L	100	8/24/2022 4:58:00 AM	B90488
Ethylbenzene	160	10	P	µg/L	10	8/24/2022 5:21:00 AM	B90488
Xylenes, Total	1700	15	P	µg/L	10	8/24/2022 5:21:00 AM	B90488
Surr: 1,2-Dichloroethane-d4	104	70-130	P	%Rec	10	8/24/2022 5:21:00 AM	B90488
Surr: 4-Bromofluorobenzene	99.6	70-130	P	%Rec	10	8/24/2022 5:21:00 AM	B90488
Surr: Dibromofluoromethane	99.0	70-130	P	%Rec	10	8/24/2022 5:21:00 AM	B90488
Surr: Toluene-d8	103	70-130	P	%Rec	10	8/24/2022 5:21:00 AM	B90488

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2208D76**
Date Reported: **9/22/2022**

CLIENT: Earth Con
Client Sample ID: Post-Air Stripper
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 8/22/2022 10:30:00 AM
Lab ID: 2208D76-002 **Matrix:** AQUEOUS **Received Date:** 8/23/2022 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	6.5	1.0		µg/L	1	8/24/2022 6:07:00 AM	B90488
Toluene	5.5	1.0		µg/L	1	8/24/2022 6:07:00 AM	B90488
Ethylbenzene	ND	1.0		µg/L	1	8/24/2022 6:07:00 AM	B90488
Xylenes, Total	4.3	1.5		µg/L	1	8/24/2022 6:07:00 AM	B90488
Surr: 1,2-Dichloroethane-d4	116	70-130		%Rec	1	8/24/2022 6:07:00 AM	B90488
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/24/2022 6:07:00 AM	B90488
Surr: Dibromofluoromethane	110	70-130		%Rec	1	8/24/2022 6:07:00 AM	B90488
Surr: Toluene-d8	96.2	70-130		%Rec	1	8/24/2022 6:07:00 AM	B90488

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208D76**
Date Reported: **9/22/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Between GAC's
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 8/22/2022 10:35:00 AM
Lab ID: 2208D76-003 **Matrix:** AQUEOUS **Received Date:** 8/23/2022 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	2.5	1.0		µg/L	1	8/24/2022 6:30:00 AM	B90488
Toluene	ND	1.0		µg/L	1	8/24/2022 6:30:00 AM	B90488
Ethylbenzene	ND	1.0		µg/L	1	8/24/2022 6:30:00 AM	B90488
Xylenes, Total	ND	1.5		µg/L	1	8/24/2022 6:30:00 AM	B90488
Surr: 1,2-Dichloroethane-d4	114	70-130		%Rec	1	8/24/2022 6:30:00 AM	B90488
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	8/24/2022 6:30:00 AM	B90488
Surr: Dibromofluoromethane	109	70-130		%Rec	1	8/24/2022 6:30:00 AM	B90488
Surr: Toluene-d8	98.3	70-130		%Rec	1	8/24/2022 6:30:00 AM	B90488

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2208D76**
Date Reported: **9/22/2022**

CLIENT: Earth Con
Client Sample ID: Post Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 8/22/2022 10:50:00 AM
Lab ID: 2208D76-004 **Matrix:** AQUEOUS **Received Date:** 8/23/2022 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Fluoride	1.8	0.50		mg/L	5	8/30/2022 11:20:51 PM	A90678
Chloride	350	10	*	mg/L	20	8/24/2022 12:08:21 AM	R90523
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	8/24/2022 12:08:21 AM	R90523
Bromide	0.36	0.10		mg/L	1	8/23/2022 11:31:09 PM	R90523
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	8/23/2022 11:31:09 PM	R90523
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	8/24/2022 12:08:21 AM	R90523
Sulfate	1100	25	*	mg/L	50	8/30/2022 11:07:58 PM	A90678
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **JRR**	
Calcium	400	5.0		mg/L	5	9/6/2022 4:45:53 PM	B90845
Magnesium	110	5.0		mg/L	5	9/6/2022 4:45:53 PM	B90845
Potassium	ND	5.0		mg/L	5	9/6/2022 4:45:53 PM	B90845
Sodium	220	5.0		mg/L	5	9/14/2022 1:10:27 PM	A91031
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Toluene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Ethylbenzene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Naphthalene	ND	2.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1-Methylnaphthalene	ND	4.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
2-Methylnaphthalene	ND	4.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Acetone	ND	10		µg/L	1	8/23/2022 10:49:00 PM	R90488
Bromobenzene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Bromodichloromethane	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Bromoform	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Bromomethane	ND	3.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
2-Butanone	ND	10		µg/L	1	8/23/2022 10:49:00 PM	R90488
Carbon disulfide	ND	10		µg/L	1	8/23/2022 10:49:00 PM	R90488
Carbon Tetrachloride	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Chlorobenzene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Chloroethane	ND	2.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Chloroform	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Chloromethane	ND	3.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
2-Chlorotoluene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
4-Chlorotoluene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208D76**
Date Reported: **9/22/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 8/22/2022 10:50:00 AM
Lab ID: 2208D76-004 **Matrix:** AQUEOUS **Received Date:** 8/23/2022 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
cis-1,2-DCE	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Dibromochloromethane	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Dibromomethane	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,1-Dichloroethane	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,1-Dichloroethene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,2-Dichloropropane	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,3-Dichloropropane	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
2,2-Dichloropropane	ND	2.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,1-Dichloropropene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Hexachlorobutadiene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
2-Hexanone	ND	10		µg/L	1	8/23/2022 10:49:00 PM	R90488
Isopropylbenzene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
4-Isopropyltoluene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
4-Methyl-2-pentanone	ND	10		µg/L	1	8/23/2022 10:49:00 PM	R90488
Methylene Chloride	ND	3.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
n-Butylbenzene	ND	3.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
n-Propylbenzene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
sec-Butylbenzene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Styrene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
tert-Butylbenzene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
trans-1,2-DCE	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Trichlorofluoromethane	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/23/2022 10:49:00 PM	R90488
Vinyl chloride	ND	1.0		µg/L	1	8/23/2022 10:49:00 PM	R90488

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208D76**
Date Reported: **9/22/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 8/22/2022 10:50:00 AM
Lab ID: 2208D76-004 **Matrix:** AQUEOUS **Received Date:** 8/23/2022 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Xylenes, Total	ND	1.5		µg/L	1	8/23/2022 10:49:00 PM	R90488
Surr: 1,2-Dichloroethane-d4	126	70-130		%Rec	1	8/23/2022 10:49:00 PM	R90488
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/23/2022 10:49:00 PM	R90488
Surr: Dibromofluoromethane	119	70-130		%Rec	1	8/23/2022 10:49:00 PM	R90488
Surr: Toluene-d8	98.3	70-130		%Rec	1	8/23/2022 10:49:00 PM	R90488

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2208D76**
Date Reported: **9/22/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con **Client Sample ID:** TRIP BLANK
Project: Earth Con Consultants Inc TWP Roswell **Collection Date:**
Lab ID: 2208D76-005 **Matrix:** TRIP BLANK **Received Date:** 8/23/2022 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	8/24/2022 6:53:00 AM	B90488
Toluene	ND	1.0		µg/L	1	8/24/2022 6:53:00 AM	B90488
Ethylbenzene	ND	1.0		µg/L	1	8/24/2022 6:53:00 AM	B90488
Xylenes, Total	ND	1.5		µg/L	1	8/24/2022 6:53:00 AM	B90488
Surr: 1,2-Dichloroethane-d4	119	70-130		%Rec	1	8/24/2022 6:53:00 AM	B90488
Surr: 4-Bromofluorobenzene	97.8	70-130		%Rec	1	8/24/2022 6:53:00 AM	B90488
Surr: Dibromofluoromethane	112	70-130		%Rec	1	8/24/2022 6:53:00 AM	B90488
Surr: Toluene-d8	94.9	70-130		%Rec	1	8/24/2022 6:53:00 AM	B90488

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208D76**

22-Sep-22

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **MB-B**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **B90845**	RunNo: **90845**
Prep Date:	Analysis Date: **9/6/2022**	SeqNo: **3247437** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Magnesium	ND	1.0								
Potassium	ND	1.0								

Sample ID: **LCSLL-B**	SampType: **LCSLL**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **B90845**	RunNo: **90845**
Prep Date:	Analysis Date: **9/6/2022**	SeqNo: **3247438** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0	0.5000	0	110	50	150			
Magnesium	ND	1.0	0.5000	0	114	50	150			
Potassium	ND	1.0	0.5000	0	99.8	50	150			

Sample ID: **LCS-B**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **B90845**	RunNo: **90845**
Prep Date:	Analysis Date: **9/6/2022**	SeqNo: **3247439** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	54	1.0	50.00	0	108	85	115			
Magnesium	55	1.0	50.00	0	110	85	115			
Potassium	53	1.0	50.00	0	107	85	115			

Sample ID: **LLLCS-A**	SampType: **LCSLL**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **A91031**	RunNo: **91031**
Prep Date:	Analysis Date: **9/14/2022**	SeqNo: **3255645** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sodium	ND	1.0	0.5000	0	144	50	150			

Sample ID: **LCS-A**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **A91031**	RunNo: **91031**
Prep Date:	Analysis Date: **9/14/2022**	SeqNo: **3255646** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sodium	54	1.0	50.00	0	107	85	115			

Qualifiers:

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D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208D76**

22-Sep-22

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **MB-A**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **A91031**	RunNo: **91031**
Prep Date:	Analysis Date: **9/14/2022**	SeqNo: **3255647** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sodium	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208D76**

22-Sep-22

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R90523**	RunNo: **90523**
Prep Date:	Analysis Date: **8/23/2022**	SeqNo: **3232692** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Nitrogen, Nitrite (As N)	ND	0.10								
Bromide	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Phosphorus, Orthophosphate (As P)	ND	0.50								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R90523**	RunNo: **90523**
Prep Date:	Analysis Date: **8/23/2022**	SeqNo: **3232695** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	91.9	90	110			
Nitrogen, Nitrite (As N)	0.96	0.10	1.000	0	95.5	90	110			
Bromide	2.4	0.10	2.500	0	96.8	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	100	90	110			
Phosphorus, Orthophosphate (As P)	4.6	0.50	5.000	0	91.0	90	110			

Sample ID: **2208D76-004BMS**	SampType: **ms**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Post Treatment**	Batch ID: **R90523**	RunNo: **90523**
Prep Date:	Analysis Date: **8/23/2022**	SeqNo: **3232730** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromide	2.8	0.10	2.500	0.3576	95.8	91.2	106			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	99.2	93.5	110			

Sample ID: **2208D76-004BMSD**	SampType: **msd**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Post Treatment**	Batch ID: **R90523**	RunNo: **90523**
Prep Date:	Analysis Date: **8/23/2022**	SeqNo: **3232731** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromide	2.8	0.10	2.500	0.3576	96.3	91.2	106	0.467	20	
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	99.7	93.5	110	0.527	20	

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **A90678**	RunNo: **90678**
Prep Date:	Analysis Date: **8/30/2022**	SeqNo: **3241193** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Sulfate	ND	0.50								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208D76**

22-Sep-22

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **A90678**	RunNo: **90678**
Prep Date:	Analysis Date: **8/30/2022**	SeqNo: **3241194** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.53	0.10	0.5000	0	106	90	110			
Sulfate	9.7	0.50	10.00	0	96.7	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208D76**

22-Sep-22

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **100ng lcs 2**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **B90488**	RunNo: **90488**
Prep Date:	Analysis Date: **8/24/2022**	SeqNo: **3232663** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	116	70	130			
Toluene	20	1.0	20.00	0	102	70	130			
Surr: 1,2-Dichloroethane-d4	12		10.00		122	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	12		10.00		118	70	130			
Surr: Toluene-d8	9.6		10.00		95.7	70	130			

Sample ID: **mb 2**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **B90488**	RunNo: **90488**
Prep Date:	Analysis Date: **8/24/2022**	SeqNo: **3232664** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	12		10.00		121	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		98.0	70	130			
Surr: Dibromofluoromethane	12		10.00		117	70	130			
Surr: Toluene-d8	9.7		10.00		97.1	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208D76**

22-Sep-22

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R90488**	RunNo: **90488**
Prep Date:	Analysis Date: **8/23/2022**	SeqNo: **3231598** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	111	70	130			
Toluene	21	1.0	20.00	0	106	70	130			
Chlorobenzene	21	1.0	20.00	0	106	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	99.7	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	104	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		113	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	9.7		10.00		96.6	70	130			

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R90488**	RunNo: **90488**
Prep Date:	Analysis Date: **8/23/2022**	SeqNo: **3231601** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2208D76**
22-Sep-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R90488**	RunNo: **90488**
Prep Date:	Analysis Date: **8/23/2022**	SeqNo: **3231601** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2208D76**

22-Sep-22

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R90488**	RunNo: **90488**
Prep Date:	Analysis Date: **8/23/2022**	SeqNo: **3231601** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	12		10.00		119	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.7	70	130			
Surr: Dibromofluoromethane	11		10.00		114	70	130			
Surr: Toluene-d8	9.5		10.00		95.2	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Earth Con | Work Order Number: 2208D76 | RcptNo: 1

Received By: Isaiah Ortiz 8/23/2022 9:25:00 AM I-Ox

Completed By: Sean Livingston 8/23/2022 10:40:58 AM S-Lyst

Reviewed By: KM 8-23-22

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? UPS

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☑ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: 2 (<2 or >12 unless noted)
Adjusted? no
Checked by: CMC 8/23/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: ____ Date: ____
By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: ____
Client Instructions: ____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good				

Released to Imaging: 6/7/2024 10:32:31 AM
Received by OCD: 4/3/2023 5:38:51 AM

Chain-of-Custody Record

Client: EarthCon Consultants Inc. / WSP
ATTN: Sofie Weber-Snapp
Mailing Address: 1580 West Oak Parkway Suite 100 Marietta, Georgia 30062
Phone #: 770.973.2100
email or Fax#: Sofie.Weber.Snapp@WSP.com
QA/QC Package: Steve.Diamond@wsp.com
☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: EarthCon Consultants, Inc. Twp Roswell Station 9
Project #: 02.2012.003702 Monthly Discharge Water Sampling August 2022
Project Manager: Sophie Weber-Snapp
Sampler: CM Barnhill, PE
On Ice: ☒ Yes ☐ No
# of Coolers: 1
Cooler Temp (including CF): 1.9+0.2(cf)=2.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2208076	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, (Br, NO_3) NO_2, PO_4, SO_4	8260(VOA) Full List	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Dissolved Metals	Ca, Mg, K, Na	* Fe, Li Filtered	Ø - Phosphorus	Br, I
08/22/22	10:25	H_2O	Pre-Treatment	3x40mL VOAs	HCl	001	X														
08/22/22	14:30	H_2O	Post-Air Stripper	3x40mL VOAs	HCl	002	X														
08/22/22	10:35	H_2O	Between GAC's	3x40mL VOAs	HCl	003	X														
08/22/22	10:50	H_2O	Post-Treatment	3x40mL VOAs	HCl	004								X							
08/22/22	10:50	H_2O	Post-Treatment	3x125mL HDPE	None H_2SO_4/HNO3	004							X				X	X	X	X	X
			Trip Blank	2x40mL VOAs	HCl	005															

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
08/22/22	14:30			UPS	08/23/22	0925
Date	Time	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send Results ASAP To: Sofie.Weber.Snapp@WSP.com
Any Questions: Please Call CMB @ 575.626.1615

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 04, 2022

Sofie Weber-Snapp

Earth Con
14405 Walters Rd Ste 700
Houston, TX
TEL: (317) 450-6126
FAX

RE: Earth Con Consultants Inc TWP Roswell Station 9 OrderNo.: 2209F08

Dear Sofie Weber-Snapp:

Hall Environmental Analysis Laboratory received 5 sample(s) on 9/28/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2209F08**
Date Reported: **10/4/2022**

CLIENT: Earth Con
Client Sample ID: Pre-Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 9/27/2022 10:17:00 AM
Lab ID: 2209F08-001 **Matrix:** AQUEOUS **Received Date:** 9/28/2022 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	1500	100		µg/L	100	9/29/2022 8:47:00 PM	SL91406
Toluene	1700	100		µg/L	100	9/29/2022 8:47:00 PM	SL91406
Ethylbenzene	170	10		µg/L	10	9/29/2022 9:10:00 PM	SL91406
Xylenes, Total	1700	15		µg/L	10	9/29/2022 9:10:00 PM	SL91406
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	10	9/29/2022 9:10:00 PM	SL91406
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	10	9/29/2022 9:10:00 PM	SL91406
Surr: Dibromofluoromethane	101	70-130		%Rec	10	9/29/2022 9:10:00 PM	SL91406
Surr: Toluene-d8	103	70-130		%Rec	10	9/29/2022 9:10:00 PM	SL91406

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209F08**
Date Reported: **10/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post-Air Stripper
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 9/27/2022 10:25:00 AM
Lab ID: 2209F08-002 **Matrix:** AQUEOUS **Received Date:** 9/28/2022 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	9.3	1.0		µg/L	1	9/29/2022 9:33:00 PM	SL91406
Toluene	10	1.0		µg/L	1	9/29/2022 9:33:00 PM	SL91406
Ethylbenzene	ND	1.0		µg/L	1	9/29/2022 9:33:00 PM	SL91406
Xylenes, Total	11	1.5		µg/L	1	9/29/2022 9:33:00 PM	SL91406
Surr: 1,2-Dichloroethane-d4	117	70-130		%Rec	1	9/29/2022 9:33:00 PM	SL91406
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	9/29/2022 9:33:00 PM	SL91406
Surr: Dibromofluoromethane	106	70-130		%Rec	1	9/29/2022 9:33:00 PM	SL91406
Surr: Toluene-d8	97.4	70-130		%Rec	1	9/29/2022 9:33:00 PM	SL91406

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209F08**
Date Reported: **10/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Between GAC's
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 9/27/2022 10:30:00 AM
Lab ID: 2209F08-003 **Matrix:** AQUEOUS **Received Date:** 9/28/2022 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	2.1	1.0		µg/L	1	9/29/2022 9:56:00 PM	SL91406
Toluene	ND	1.0		µg/L	1	9/29/2022 9:56:00 PM	SL91406
Ethylbenzene	ND	1.0		µg/L	1	9/29/2022 9:56:00 PM	SL91406
Xylenes, Total	ND	1.5		µg/L	1	9/29/2022 9:56:00 PM	SL91406
Surr: 1,2-Dichloroethane-d4	117	70-130		%Rec	1	9/29/2022 9:56:00 PM	SL91406
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	9/29/2022 9:56:00 PM	SL91406
Surr: Dibromofluoromethane	110	70-130		%Rec	1	9/29/2022 9:56:00 PM	SL91406
Surr: Toluene-d8	99.0	70-130		%Rec	1	9/29/2022 9:56:00 PM	SL91406

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209F08**
Date Reported: **10/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 9/27/2022 10:45:00 AM
Lab ID: 2209F08-004 **Matrix:** AQUEOUS **Received Date:** 9/28/2022 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Fluoride	ND	2.0		mg/L	20	9/28/2022 4:07:04 PM	R91397
Chloride	360	25	*	mg/L	50	9/30/2022 7:30:00 PM	R91460
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	9/28/2022 3:54:12 PM	R91397
Bromide	0.48	0.10		mg/L	1	9/28/2022 3:54:12 PM	R91397
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	9/28/2022 3:54:12 PM	R91397
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	9/28/2022 3:54:12 PM	R91397
Sulfate	1200	25	*	mg/L	50	9/30/2022 7:30:00 PM	R91460
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **JRR**	
Calcium	460	5.0		mg/L	5	9/29/2022 3:24:39 PM	B91423
Magnesium	120	5.0		mg/L	5	9/29/2022 3:24:39 PM	B91423
Potassium	2.6	1.0		mg/L	1	9/29/2022 2:55:29 PM	B91423
Sodium	220	5.0		mg/L	5	10/3/2022 12:12:58 PM	A91479
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Toluene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Ethylbenzene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Naphthalene	ND	2.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1-Methylnaphthalene	ND	4.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
2-Methylnaphthalene	ND	4.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Acetone	ND	10		µg/L	1	9/29/2022 10:19:00 PM	R91406
Bromobenzene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Bromodichloromethane	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Bromoform	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Bromomethane	ND	3.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
2-Butanone	ND	10		µg/L	1	9/29/2022 10:19:00 PM	R91406
Carbon disulfide	ND	10		µg/L	1	9/29/2022 10:19:00 PM	R91406
Carbon Tetrachloride	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Chlorobenzene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Chloroethane	ND	2.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Chloroform	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Chloromethane	ND	3.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
2-Chlorotoluene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
4-Chlorotoluene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209F08**
Date Reported: **10/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 9/27/2022 10:45:00 AM
Lab ID: 2209F08-004 **Matrix:** AQUEOUS **Received Date:** 9/28/2022 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
cis-1,2-DCE	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Dibromochloromethane	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Dibromomethane	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,1-Dichloroethane	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,1-Dichloroethene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,2-Dichloropropane	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,3-Dichloropropane	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
2,2-Dichloropropane	ND	2.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,1-Dichloropropene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Hexachlorobutadiene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
2-Hexanone	ND	10		µg/L	1	9/29/2022 10:19:00 PM	R91406
Isopropylbenzene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
4-Isopropyltoluene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
4-Methyl-2-pentanone	ND	10		µg/L	1	9/29/2022 10:19:00 PM	R91406
Methylene Chloride	ND	3.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
n-Butylbenzene	ND	3.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
n-Propylbenzene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
sec-Butylbenzene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Styrene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
tert-Butylbenzene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
trans-1,2-DCE	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Trichlorofluoromethane	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/29/2022 10:19:00 PM	R91406
Vinyl chloride	ND	1.0		µg/L	1	9/29/2022 10:19:00 PM	R91406

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209F08**
Date Reported: **10/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 9/27/2022 10:45:00 AM
Lab ID: 2209F08-004 **Matrix:** AQUEOUS **Received Date:** 9/28/2022 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Xylenes, Total	ND	1.5		µg/L	1	9/29/2022 10:19:00 PM	R91406
Surr: 1,2-Dichloroethane-d4	119	70-130		%Rec	1	9/29/2022 10:19:00 PM	R91406
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	9/29/2022 10:19:00 PM	R91406
Surr: Dibromofluoromethane	110	70-130		%Rec	1	9/29/2022 10:19:00 PM	R91406
Surr: Toluene-d8	97.6	70-130		%Rec	1	9/29/2022 10:19:00 PM	R91406

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2209F08**
Date Reported: **10/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: TRIP BLANK
Project: Earth Con Consultants Inc TWP Roswell
Collection Date:
Lab ID: 2209F08-005 **Matrix:** TRIP BLANK **Received Date:** 9/28/2022 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Toluene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Ethylbenzene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Naphthalene	ND	2.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1-Methylnaphthalene	ND	4.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
2-Methylnaphthalene	ND	4.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Acetone	ND	10		µg/L	1	9/29/2022 10:42:00 PM	R91406
Bromobenzene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Bromodichloromethane	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Bromoform	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Bromomethane	ND	3.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
2-Butanone	ND	10		µg/L	1	9/29/2022 10:42:00 PM	R91406
Carbon disulfide	ND	10		µg/L	1	9/29/2022 10:42:00 PM	R91406
Carbon Tetrachloride	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Chlorobenzene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Chloroethane	ND	2.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Chloroform	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Chloromethane	ND	3.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
2-Chlorotoluene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
4-Chlorotoluene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
cis-1,2-DCE	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Dibromochloromethane	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Dibromomethane	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,1-Dichloroethane	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,1-Dichloroethene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,2-Dichloropropane	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,3-Dichloropropane	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
2,2-Dichloropropane	ND	2.0		µg/L	1	9/29/2022 10:42:00 PM	R91406

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2209F08**
Date Reported: **10/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: TRIP BLANK
Project: Earth Con Consultants Inc TWP Roswell
Collection Date:
Lab ID: 2209F08-005 **Matrix:** TRIP BLANK **Received Date:** 9/28/2022 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,1-Dichloropropene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Hexachlorobutadiene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
2-Hexanone	ND	10		µg/L	1	9/29/2022 10:42:00 PM	R91406
Isopropylbenzene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
4-Isopropyltoluene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
4-Methyl-2-pentanone	ND	10		µg/L	1	9/29/2022 10:42:00 PM	R91406
Methylene Chloride	ND	3.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
n-Butylbenzene	ND	3.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
n-Propylbenzene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
sec-Butylbenzene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Styrene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
tert-Butylbenzene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
trans-1,2-DCE	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Trichlorofluoromethane	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Vinyl chloride	ND	1.0		µg/L	1	9/29/2022 10:42:00 PM	R91406
Xylenes, Total	ND	1.5		µg/L	1	9/29/2022 10:42:00 PM	R91406
Surr: 1,2-Dichloroethane-d4	120	70-130		%Rec	1	9/29/2022 10:42:00 PM	R91406
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	9/29/2022 10:42:00 PM	R91406
Surr: Dibromofluoromethane	109	70-130		%Rec	1	9/29/2022 10:42:00 PM	R91406
Surr: Toluene-d8	94.3	70-130		%Rec	1	9/29/2022 10:42:00 PM	R91406

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2209F08**
04-Oct-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Station

Sample ID: **MB-B**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **B91423**	RunNo: **91423**
Prep Date:	Analysis Date: **9/29/2022**	SeqNo: **3273043** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Magnesium	ND	1.0								
Potassium	ND	1.0								

Sample ID: **LLLCS-B**	SampType: **LCSLL**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **B91423**	RunNo: **91423**
Prep Date:	Analysis Date: **9/29/2022**	SeqNo: **3273044** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0	0.5000	0	112	50	150			
Magnesium	ND	1.0	0.5000	0	111	50	150			
Potassium	ND	1.0	0.5000	0	115	50	150			

Sample ID: **LCS-B**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **B91423**	RunNo: **91423**
Prep Date:	Analysis Date: **9/29/2022**	SeqNo: **3273045** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	53	1.0	50.00	0	106	85	115			
Magnesium	53	1.0	50.00	0	106	85	115			
Potassium	52	1.0	50.00	0	104	85	115			

Sample ID: **2209F08-004CMS**	SampType: **MS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **Post Treatment**	Batch ID: **B91423**	RunNo: **91423**
Prep Date:	Analysis Date: **9/29/2022**	SeqNo: **3273781** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	61	1.0	50.00	2.597	117	70	130			

Sample ID: **2209F08-004CMSD**	SampType: **MSD**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **Post Treatment**	Batch ID: **B91423**	RunNo: **91423**
Prep Date:	Analysis Date: **9/29/2022**	SeqNo: **3273782** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	55	1.0	50.00	2.597	105	70	130	10.1	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2209F08**

04-Oct-22

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Station

Sample ID: **2209F08-004CMS**	SampType: **MS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **Post Treatment**	Batch ID: **B91423**	RunNo: **91423**
Prep Date:	Analysis Date: **9/29/2022**	SeqNo: **3273784** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	380	5.0	250.0	120.3	104	70	130			

Sample ID: **2209F08-004CMSD**	SampType: **MSD**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **Post Treatment**	Batch ID: **B91423**	RunNo: **91423**
Prep Date:	Analysis Date: **9/29/2022**	SeqNo: **3273785** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	380	5.0	250.0	120.3	104	70	130	0.371	20	

Sample ID: **MB-A**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **A91479**	RunNo: **91479**
Prep Date:	Analysis Date: **10/3/2022**	SeqNo: **3276375** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sodium	ND	1.0								

Sample ID: **LLLCS-A**	SampType: **LCSLL**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **A91479**	RunNo: **91479**
Prep Date:	Analysis Date: **10/3/2022**	SeqNo: **3276376** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sodium	ND	1.0	0.5000	0	134	50	150			

Sample ID: **LCS-A**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **A91479**	RunNo: **91479**
Prep Date:	Analysis Date: **10/3/2022**	SeqNo: **3276377** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sodium	53	1.0	50.00	0	106	85	115			

Sample ID: **2209F08-004CMS**	SampType: **MS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **Post Treatment**	Batch ID: **A91479**	RunNo: **91479**
Prep Date:	Analysis Date: **10/3/2022**	SeqNo: **3276400** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sodium	470	5.0	250.0	216.1	101	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2209F08**
04-Oct-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Station

Sample ID: **2209F08-004CMSD** SampType: **MSD** TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **Post Treatment** Batch ID: **A91479** RunNo: **91479**
Prep Date: Analysis Date: **10/3/2022** SeqNo: **3276401** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sodium	470	5.0	250.0	216.1	101	70	130	0.378	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2209F08**
04-Oct-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Station

Sample ID: **MB** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW** Batch ID: **R91397** RunNo: **91397**
Prep Date: Analysis Date: **9/28/2022** SeqNo: **3272192** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Nitrogen, Nitrite (As N)	ND	0.10								
Bromide	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Phosphorus, Orthophosphate (As P	ND	0.50								

Sample ID: **LCS** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW** Batch ID: **R91397** RunNo: **91397**
Prep Date: Analysis Date: **9/28/2022** SeqNo: **3272193** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.50	0.10	0.5000	0	100	90	110			
Nitrogen, Nitrite (As N)	0.97	0.10	1.000	0	97.1	90	110			
Bromide	2.4	0.10	2.500	0	96.5	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	98.9	90	110			
Phosphorus, Orthophosphate (As P	4.5	0.50	5.000	0	90.5	90	110			

Sample ID: **LCS** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW** Batch ID: **R91397** RunNo: **91397**
Prep Date: Analysis Date: **9/28/2022** SeqNo: **3272239** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.51	0.10	0.5000	0	102	90	110			
Nitrogen, Nitrite (As N)	0.98	0.10	1.000	0	97.9	90	110			
Bromide	2.4	0.10	2.500	0	97.4	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	99.9	90	110			
Phosphorus, Orthophosphate (As P	4.6	0.50	5.000	0	91.5	90	110			

Sample ID: **MB** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW** Batch ID: **R91460** RunNo: **91460**
Prep Date: Analysis Date: **9/30/2022** SeqNo: **3275200** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Sulfate	ND	0.50								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2209F08**
04-Oct-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Station

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**			
Client ID: **LCSW**	Batch ID: **R91460**	RunNo: **91460**			
Prep Date:	Analysis Date: **9/30/2022**	SeqNo: **3275201**	Units: **mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.9	90	110			
Sulfate	9.6	0.50	10.00	0	96.5	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2209F08**
04-Oct-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Station

Sample ID: **100ng lcs** SampType: **LCS** TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW** Batch ID: **SL91406** RunNo: **91406**
Prep Date: Analysis Date: **9/29/2022** SeqNo: **3273617** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	109	70	130			
Toluene	20	1.0	20.00	0	98.8	70	130			
Surr: 1,2-Dichloroethane-d4	12		10.00		118	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		105	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.6		10.00		95.9	70	130			

Sample ID: **mb** SampType: **MBLK** TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW** Batch ID: **SL91406** RunNo: **91406**
Prep Date: Analysis Date: **9/29/2022** SeqNo: **3273618** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	12		10.00		117	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	11		10.00		109	70	130			
Surr: Toluene-d8	9.6		10.00		95.6	70	130			

Sample ID: **2209F08-001ams** SampType: **MS** TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **Pre-Treatment** Batch ID: **SL91406** RunNo: **91440**
Prep Date: Analysis Date: **9/30/2022** SeqNo: **3276061** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1700	10	200.0	1535	87.7	70	130			E
Toluene	2000	10	200.0	1744	110	70	130			E
Surr: 1,2-Dichloroethane-d4	110		100.0		110	70	130			
Surr: 4-Bromofluorobenzene	100		100.0		103	70	130			
Surr: Dibromofluoromethane	100		100.0		99.6	70	130			
Surr: Toluene-d8	100		100.0		102	70	130			

Sample ID: **2209F08-001amsd** SampType: **MSD** TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **Pre-Treatment** Batch ID: **SL91406** RunNo: **91440**
Prep Date: Analysis Date: **9/30/2022** SeqNo: **3276062** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1700	10	200.0	1535	59.6	70	130	6.41	20	ES
Toluene	1900	10	200.0	1744	72.7	70	130	3.53	20	E

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2209F08**
04-Oct-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Station

Sample ID: **2209F08-001amsd** SampType: **MSD** TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **Pre-Treatment** Batch ID: **SL91406** RunNo: **91440**
Prep Date: Analysis Date: **9/30/2022** SeqNo: **3276062** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	110		100.0		110	70	130	0	0	
Surr: 4-Bromofluorobenzene	100		100.0		103	70	130	0	0	
Surr: Dibromofluoromethane	100		100.0		100	70	130	0	0	
Surr: Toluene-d8	100		100.0		102	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2209F08**
04-Oct-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Station

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R91406**	RunNo: **91406**
Prep Date:	Analysis Date: **9/29/2022**	SeqNo: **3272616** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	109	70	130			
Toluene	20	1.0	20.00	0	98.8	70	130			
Chlorobenzene	20	1.0	20.00	0	98.1	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	98.4	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	101	70	130			
Surr: 1,2-Dichloroethane-d4	12		10.00		118	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		105	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.6		10.00		95.9	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R91406**	RunNo: **91406**
Prep Date:	Analysis Date: **9/29/2022**	SeqNo: **3273550** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2209F08**
04-Oct-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Station

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**	
Client ID: **PBW**	Batch ID: **R91406**	RunNo: **91406**	
Prep Date:	Analysis Date: **9/29/2022**	SeqNo: **3273550**	Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2209F08**
04-Oct-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Station

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R91406**	RunNo: **91406**
Prep Date:	Analysis Date: **9/29/2022**	SeqNo: **3273550** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	12		10.00		117	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	11		10.00		109	70	130			
Surr: Toluene-d8	9.6		10.00		95.6	70	130			

Sample ID: **mb 2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B91440**	RunNo: **91440**
Prep Date:	Analysis Date: **9/30/2022**	SeqNo: **3275909** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	13		10.00		126	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		98.0	70	130			
Surr: Dibromofluoromethane	11		10.00		114	70	130			
Surr: Toluene-d8	9.5		10.00		94.6	70	130			

Sample ID: **100ng lcs 2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **B91440**	RunNo: **91440**
Prep Date:	Analysis Date: **9/30/2022**	SeqNo: **3275925** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	12		10.00		123	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	11		10.00		110	70	130			
Surr: Toluene-d8	9.5		10.00		95.1	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **Earth Con** Work Order Number: **2209F08** RcptNo: **1**

Received By: **Kasandra Payan** **9/28/2022 9:10:00 AM**

Completed By: **Cheyenne Cason** **9/28/2022 10:04:00 AM**

Reviewed By: JN 9/28/22

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	UPS		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☑	No ☐	NA ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: 2 (<2 or >12 unless noted)

Adjusted? NO

Checked by: KPA 9.28.22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.2	Good	Not Present			

Released to Imaging: 6/7/2024 10:32:31 AM
Received by OCD: 4/3/2023 5:38:51 AM

Chain-of-Custody Record

Client: EarthCon Consultants, Inc. / WSP
ATTN: Sofie Weber Snapp
Mailing Address: 180 West Oak Parkway Suite 100
Marietta Ga. 30062
Phone #: 770.973.2100
email or Fax#: Sofie.Weber.Snapp@wsp.com; Steve.Diamond@WSP.com
QA/QC Package: ☑ Standard ☐ Level 4 (Full Validation)
Accreditation ☐ NELAP ☐ Other _____
☐ EDD (Type) _____

Turn-Around Time: ☑ Standard ☐ Rush _____
Project Name: EarthCon Consultants Inc. / WSP TWP Roswell Station 9
Project #: 02.2012.003700 Monthly Discharge Water Sampling. September 2022
Project Manager: ~~Monthly Discharge to~~ Sofie Weber-Snapp
Sampler: CM Barnhill, PE
On Ice: ☑ Yes ☐ No
Sample Temperature: 3.4-0.2=3.2

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	2209 F08 HEAL No. ~~2209 F08~~ cme 9/28/22	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA) Full List	8270 (Semi-VOA)	Dissolved Metals	Ca, Mg, K, Na, Br	* Field Titrate	O-Phosphorus	Air Bubbles (Y or N)
09/27/22	10:17	H2O	Pre-Treatment	3x 40mL VOA's	HCl	001	X															
09/27/22	10:25	H2O	Post-Air Stripper	3x 40mL VOA's	HCl	002	X															
09/27/22	10:30	H2O	Between GAC's	3x 40mL VOA's	HCl	003	X															
09/27/22	10:45	H2O	Post-Treatment	3x 40mL VOA's	HCl	004										X						
09/27/22	10:45	H2O	Post-Treatment	2x 500mL 1x 250mL	~~HCl~~ H2SO4/HNO3	005									X	X	X	X	X	X	X	
		H2O	Trip Blank	2x 40mL VOA's	HCl	006																

Date: 09/27/22 Time: 14:45 Relinquished by: [signature]
Received by: [signature] Date: 9.28.22 Time: 9:10
Date: Time: Relinquished by:
Received by: Date: Time:

Remarks: Send Results ASAP To: Sofie.Weber.Snapp. ANY Questions? Please Call CMB @ 575.626.1615

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Page 566 of 693

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 04, 2022

Sofie Weber-Snapp
Earth Con
14405 Walters Rd Ste 700
Houston, TX
TEL: (317) 450-6126
FAX:

RE: Earth Con Consultants Inc TWP Roswell Station 9 OrderNo.: 2211077

Dear Sofie Weber-Snapp:

Hall Environmental Analysis Laboratory received 5 sample(s) on 11/2/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2211077**
Date Reported: **12/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Pre-Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 10/29/2022 10:50:00 AM
Lab ID: 2211077-001 **Matrix:** AQUEOUS **Received Date:** 11/2/2022 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **JR**	
Benzene	810	10		µg/L	10	11/5/2022 11:59:30 AM	R92357
Toluene	1700	100		µg/L	100	11/7/2022 11:18:04 AM	R92388
Ethylbenzene	180	10		µg/L	10	11/5/2022 11:59:30 AM	R92357
Xylenes, Total	1700	15		µg/L	10	11/5/2022 11:59:30 AM	R92357
Surr: 1,2-Dichloroethane-d4	79.2	70-130		%Rec	10	11/5/2022 11:59:30 AM	R92357
Surr: 4-Bromofluorobenzene	82.4	70-130		%Rec	10	11/5/2022 11:59:30 AM	R92357
Surr: Dibromofluoromethane	77.7	70-130		%Rec	10	11/5/2022 11:59:30 AM	R92357
Surr: Toluene-d8	94.3	70-130		%Rec	10	11/5/2022 11:59:30 AM	R92357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2211077**
Date Reported: **12/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post Air Stripper
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 10/29/2022 10:55:00 AM
Lab ID: 2211077-002 **Matrix:** AQUEOUS **Received Date:** 11/2/2022 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **JR**	
Benzene	12	1.0		µg/L	1	11/5/2022 12:28:12 PM	R92357
Toluene	21	1.0		µg/L	1	11/5/2022 12:28:12 PM	R92357
Ethylbenzene	2.2	1.0		µg/L	1	11/5/2022 12:28:12 PM	R92357
Xylenes, Total	27	1.5		µg/L	1	11/5/2022 12:28:12 PM	R92357
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	11/5/2022 12:28:12 PM	R92357
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/5/2022 12:28:12 PM	R92357
Surr: Dibromofluoromethane	104	70-130		%Rec	1	11/5/2022 12:28:12 PM	R92357
Surr: Toluene-d8	99.4	70-130		%Rec	1	11/5/2022 12:28:12 PM	R92357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2211077**
Date Reported: **12/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Between GACs
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 10/29/2022 11:00:00 AM
Lab ID: 2211077-003 **Matrix:** AQUEOUS **Received Date:** 11/2/2022 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **JR**	
Benzene	18	1.0		µg/L	1	11/5/2022 12:56:56 PM	R92357
Toluene	20	1.0		µg/L	1	11/5/2022 12:56:56 PM	R92357
Ethylbenzene	1.4	1.0		µg/L	1	11/5/2022 12:56:56 PM	R92357
Xylenes, Total	14	1.5		µg/L	1	11/5/2022 12:56:56 PM	R92357
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	11/5/2022 12:56:56 PM	R92357
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	11/5/2022 12:56:56 PM	R92357
Surr: Dibromofluoromethane	101	70-130		%Rec	1	11/5/2022 12:56:56 PM	R92357
Surr: Toluene-d8	98.9	70-130		%Rec	1	11/5/2022 12:56:56 PM	R92357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2211077**
Date Reported: **12/4/2022**

CLIENT: Earth Con
Client Sample ID: Post-Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 10/29/2022 11:10:00 AM
Lab ID: 2211077-004 **Matrix:** AQUEOUS **Received Date:** 11/2/2022 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Fluoride	1.4	0.50		mg/L	5	11/3/2022 9:53:28 AM	R92324
Chloride	380	10	*	mg/L	20	11/3/2022 10:06:20 AM	R92324
Bromide	0.51	0.50		mg/L	5	11/3/2022 9:53:28 AM	R92324
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	11/3/2022 9:53:28 AM	R92324
Sulfate	930	25	*	mg/L	50	11/8/2022 8:50:26 PM	R92432
Nitrate+Nitrite as N	ND	1.0		mg/L	5	11/3/2022 8:36:40 PM	R92324
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **JRR**	
Calcium	370	5.0		mg/L	5	11/29/2022 12:43:00 PM	B92890
Magnesium	120	5.0		mg/L	5	11/29/2022 12:43:00 PM	B92890
Potassium	2.3	1.0		mg/L	1	11/29/2022 12:38:11 PM	B92890
Sodium	220	5.0		mg/L	5	11/29/2022 12:43:00 PM	B92890
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Toluene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Naphthalene	ND	2.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1-Methylnaphthalene	ND	4.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
2-Methylnaphthalene	ND	4.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Acetone	ND	10		µg/L	1	11/5/2022 1:25:45 PM	R92357
Bromobenzene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Bromodichloromethane	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Bromoform	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Bromomethane	ND	3.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
2-Butanone	ND	10		µg/L	1	11/5/2022 1:25:45 PM	R92357
Carbon disulfide	ND	10		µg/L	1	11/5/2022 1:25:45 PM	R92357
Carbon Tetrachloride	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Chlorobenzene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Chloroethane	ND	2.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Chloroform	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Chloromethane	ND	3.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
2-Chlorotoluene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
4-Chlorotoluene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
cis-1,2-DCE	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2211077**
Date Reported: **12/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post-Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 10/29/2022 11:10:00 AM
Lab ID: 2211077-004 **Matrix:** AQUEOUS **Received Date:** 11/2/2022 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Dibromochloromethane	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Dibromomethane	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,1-Dichloroethane	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,1-Dichloroethene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,2-Dichloropropane	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,3-Dichloropropane	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
2,2-Dichloropropane	ND	2.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,1-Dichloropropene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Hexachlorobutadiene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
2-Hexanone	ND	10		µg/L	1	11/5/2022 1:25:45 PM	R92357
Isopropylbenzene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
4-Isopropyltoluene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
4-Methyl-2-pentanone	ND	10		µg/L	1	11/5/2022 1:25:45 PM	R92357
Methylene Chloride	ND	3.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
n-Butylbenzene	ND	3.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
n-Propylbenzene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
sec-Butylbenzene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Styrene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
tert-Butylbenzene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
trans-1,2-DCE	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Trichlorofluoromethane	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Vinyl chloride	ND	1.0		µg/L	1	11/5/2022 1:25:45 PM	R92357
Xylenes, Total	ND	1.5		µg/L	1	11/5/2022 1:25:45 PM	R92357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2211077**
Date Reported: **12/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post-Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 10/29/2022 11:10:00 AM
Lab ID: 2211077-004 **Matrix:** AQUEOUS **Received Date:** 11/2/2022 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Surr: 1,2-Dichloroethane-d4	114	70-130		%Rec	1	11/5/2022 1:25:45 PM	R92357
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	11/5/2022 1:25:45 PM	R92357
Surr: Dibromofluoromethane	110	70-130		%Rec	1	11/5/2022 1:25:45 PM	R92357
Surr: Toluene-d8	94.4	70-130		%Rec	1	11/5/2022 1:25:45 PM	R92357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2211077**
Date Reported: **12/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Field Blank
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 11/1/2022 4:00:00 PM
Lab ID: 2211077-005 **Matrix:** AQUEOUS **Received Date:** 11/2/2022 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
Benzene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Toluene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Ethylbenzene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Naphthalene	ND	2.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1-Methylnaphthalene	ND	4.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
2-Methylnaphthalene	ND	4.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Acetone	ND	10		µg/L	1	11/5/2022 1:54:25 PM	R92357
Bromobenzene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Bromodichloromethane	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Bromoform	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Bromomethane	ND	3.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
2-Butanone	ND	10		µg/L	1	11/5/2022 1:54:25 PM	R92357
Carbon disulfide	ND	10		µg/L	1	11/5/2022 1:54:25 PM	R92357
Carbon Tetrachloride	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Chlorobenzene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Chloroethane	ND	2.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Chloroform	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Chloromethane	ND	3.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
2-Chlorotoluene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
4-Chlorotoluene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
cis-1,2-DCE	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Dibromochloromethane	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Dibromomethane	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,1-Dichloroethane	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,1-Dichloroethene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,2-Dichloropropane	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,3-Dichloropropane	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
2,2-Dichloropropane	ND	2.0		µg/L	1	11/5/2022 1:54:25 PM	R92357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2211077**
Date Reported: **12/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Field Blank
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 11/1/2022 4:00:00 PM
Lab ID: 2211077-005 **Matrix:** AQUEOUS **Received Date:** 11/2/2022 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **JR**	
1,1-Dichloropropene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Hexachlorobutadiene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
2-Hexanone	ND	10		µg/L	1	11/5/2022 1:54:25 PM	R92357
Isopropylbenzene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
4-Isopropyltoluene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
4-Methyl-2-pentanone	ND	10		µg/L	1	11/5/2022 1:54:25 PM	R92357
Methylene Chloride	ND	3.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
n-Butylbenzene	ND	3.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
n-Propylbenzene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
sec-Butylbenzene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Styrene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
tert-Butylbenzene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
trans-1,2-DCE	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Trichlorofluoromethane	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Vinyl chloride	ND	1.0		µg/L	1	11/5/2022 1:54:25 PM	R92357
Xylenes, Total	ND	1.5		µg/L	1	11/5/2022 1:54:25 PM	R92357
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	11/5/2022 1:54:25 PM	R92357
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	11/5/2022 1:54:25 PM	R92357
Surr: Dibromofluoromethane	107	70-130		%Rec	1	11/5/2022 1:54:25 PM	R92357
Surr: Toluene-d8	94.3	70-130		%Rec	1	11/5/2022 1:54:25 PM	R92357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2211077**

04-Dec-22

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **MB-B**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **B92890**	RunNo: **92890**
Prep Date:	Analysis Date: **11/29/2022**	SeqNo: **3344199** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Magnesium	ND	1.0								
Potassium	ND	1.0								
Sodium	ND	1.0								

Sample ID: **LLLCS-B**	SampType: **LCSLL**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **B92890**	RunNo: **92890**
Prep Date:	Analysis Date: **11/29/2022**	SeqNo: **3344200** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0	0.5000	0	105	50	150			
Magnesium	ND	1.0	0.5000	0	104	50	150			
Potassium	ND	1.0	0.5000	0	83.7	50	150			
Sodium	ND	1.0	0.5000	0	100	50	150			

Sample ID: **LCS-B CAT**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **B92890**	RunNo: **92890**
Prep Date:	Analysis Date: **11/29/2022**	SeqNo: **3344202** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	53	1.0	50.00	0	106	85	115			
Magnesium	52	1.0	50.00	0	104	85	115			
Potassium	50	1.0	50.00	0	101	85	115			
Sodium	53	1.0	50.00	0	105	85	115			

Sample ID: **2211077-004CMS**	SampType: **MS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **Post-Treatment**	Batch ID: **B92890**	RunNo: **92890**
Prep Date:	Analysis Date: **11/29/2022**	SeqNo: **3344280** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	61	1.0	50.00	2.277	118	70	130			

Sample ID: **2211077-004CMSD**	SampType: **MSD**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **Post-Treatment**	Batch ID: **B92890**	RunNo: **92890**
Prep Date:	Analysis Date: **11/29/2022**	SeqNo: **3344281** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	63	1.0	50.00	2.277	122	70	130	3.58	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2211077**

04-Dec-22

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **2211077-004CMS**	SampType: **MS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **Post-Treatment**	Batch ID: **B92890**	RunNo: **92890**
Prep Date:	Analysis Date: **11/29/2022**	SeqNo: **3344283** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	370	5.0	250.0	118.2	101	70	130			
Sodium	460	5.0	250.0	219.2	95.6	70	130			

Sample ID: **2211077-004CMSD**	SampType: **MSD**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **Post-Treatment**	Batch ID: **B92890**	RunNo: **92890**
Prep Date:	Analysis Date: **11/29/2022**	SeqNo: **3344284** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	380	5.0	250.0	118.2	105	70	130	3.09	20	
Sodium	470	5.0	250.0	219.2	102	70	130	3.17	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2211077**

04-Dec-22

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R92324**	RunNo: **92324**
Prep Date:	Analysis Date: **11/3/2022**	SeqNo: **3317471** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Chloride	ND	0.50								
Bromide	ND	0.10								
Phosphorus, Orthophosphate (As P)	ND	0.50								
Nitrate+Nitrite as N	ND	0.20								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R92324**	RunNo: **92324**
Prep Date:	Analysis Date: **11/3/2022**	SeqNo: **3317479** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.48	0.10	0.5000	0	95.3	90	110			
Chloride	4.8	0.50	5.000	0	95.1	90	110			
Bromide	2.5	0.10	2.500	0	98.4	90	110			
Phosphorus, Orthophosphate (As P)	4.6	0.50	5.000	0	92.4	90	110			
Nitrate+Nitrite as N	3.5	0.20	3.500	0	101	90	110			

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R92432**	RunNo: **92432**
Prep Date:	Analysis Date: **11/8/2022**	SeqNo: **3322298** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R92432**	RunNo: **92432**
Prep Date:	Analysis Date: **11/8/2022**	SeqNo: **3322299** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	10	0.50	10.00	0	101	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2211077**
04-Dec-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **R92357**	RunNo: **92357**
Prep Date:	Analysis Date: **11/4/2022**	SeqNo: **3319045** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	89.0	70	130			
Toluene	19	1.0	20.00	0	96.8	70	130			
Surr: 1,2-Dichloroethane-d4	8.8		10.00		87.7	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.1	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	9.6		10.00		96.2	70	130			

Sample ID: **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **R92357**	RunNo: **92357**
Prep Date:	Analysis Date: **11/5/2022**	SeqNo: **3319046** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.4	70	130			
Toluene	19	1.0	20.00	0	96.6	70	130			
Surr: 1,2-Dichloroethane-d4	9.0		10.00		90.1	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.5	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	9.7		10.00		97.1	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **R92357**	RunNo: **92357**
Prep Date:	Analysis Date: **11/4/2022**	SeqNo: **3319075** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		106	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.0	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.7		10.00		97.0	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2211077**
04-Dec-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **mb2**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **R92357**	RunNo: **92357**
Prep Date:	Analysis Date: **11/5/2022**	SeqNo: **3319076** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		112	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.7		10.00		96.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2211077**
04-Dec-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **100ng lcs** SampType: **LCS** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW** Batch ID: **R92357** RunNo: **92357**
Prep Date: Analysis Date: **11/4/2022** SeqNo: **3318994** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	89.0	70	130			
Toluene	19	1.0	20.00	0	96.8	70	130			
Chlorobenzene	19	1.0	20.00	0	96.7	70	130			
1,1-Dichloroethene	17	1.0	20.00	0	83.9	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	94.5	70	130			
Surr: 1,2-Dichloroethane-d4	8.8		10.00		87.7	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.1	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	9.6		10.00		96.2	70	130			

Sample ID: **100ng lcs2** SampType: **LCS** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW** Batch ID: **R92357** RunNo: **92357**
Prep Date: Analysis Date: **11/5/2022** SeqNo: **3318995** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.4	70	130			
Toluene	19	1.0	20.00	0	96.6	70	130			
Chlorobenzene	19	1.0	20.00	0	96.4	70	130			
1,1-Dichloroethene	17	1.0	20.00	0	86.8	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	99.1	70	130			
Surr: 1,2-Dichloroethane-d4	9.0		10.00		90.1	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.5	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	9.7		10.00		97.1	70	130			

Sample ID: **mb** SampType: **MBLK** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW** Batch ID: **R92357** RunNo: **92357**
Prep Date: Analysis Date: **11/4/2022** SeqNo: **3319042** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2211077**
04-Dec-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R92357**	RunNo: **92357**
Prep Date:	Analysis Date: **11/4/2022**	SeqNo: **3319042** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2211077**
04-Dec-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R92357**	RunNo: **92357**
Prep Date:	Analysis Date: **11/4/2022**	SeqNo: **3319042** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		106	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.0	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.7		10.00		97.0	70	130			

Sample ID: **mb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R92357**	RunNo: **92357**
Prep Date:	Analysis Date: **11/5/2022**	SeqNo: **3319043** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2211077**
04-Dec-22

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **mb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R92357**	RunNo: **92357**
Prep Date:	Analysis Date: **11/5/2022**	SeqNo: **3319043** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2211077**

04-Dec-22

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **mb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R92357**	RunNo: **92357**
Prep Date:	Analysis Date: **11/5/2022**	SeqNo: **3319043** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		112	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.7		10.00		96.8	70	130			

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R92388**	RunNo: **92388**
Prep Date:	Analysis Date: **11/7/2022**	SeqNo: **3320252** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	19	1.0	20.00	0	93.8	70	130			
Surr: 1,2-Dichloroethane-d4	8.6		10.00		86.4	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	10		10.00		100	70	130			
Surr: Toluene-d8	9.6		10.00		96.4	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R92388**	RunNo: **92388**
Prep Date:	Analysis Date: **11/7/2022**	SeqNo: **3320281** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	ND	1.0								
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	10		10.00		99.8	70	130			
Surr: Toluene-d8	9.9		10.00		99.3	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Earth Con | Work Order Number: 2211077 | RcptNo: 1

Received By: Sean Livingston 11/2/2022 9:15:00 AM
Completed By: Sean Livingston 11/2/2022 10:12:38 AM
Reviewed By: KPG 11-2-22

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	UPS		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☑	No ☐	NA ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: 2 (<2 or >12 unless noted)
Adjusted? NO
Checked by: JA 11/2/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: ____ Date: ____
By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: ____
Client Instructions: ____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good				

Received by OCD: 4/3/2023 5:38:51 AM
Released to Imaging: 6/7/2024 10:32:31 AM

Chain-of-Custody Record

Client: EarthCon Consultants Inc. / WSP

ATTN: Sofie Weber Snapp

Mailing Address: 1080 West Oak Parkway STE 100 Marietta, Ga 30062

Phone #: 770.973.2100

email or Fax#: Sofie.Weber.Snappe WSP.com

QA/QC Package: Steve.Diamond@wsp.com

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush

Project Name: EarthCon Consultants Inc / WSP TWP Roswell Station 9

Project #: 02.2012.005700 Monthly Discharge Water Sampling October 2022

Project Manager: Sofie Weber-Snapp

Sampler: CM Barnhill, PE

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 3.8+0=3.8 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2211077	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO3, NO2, PO4, SO4	8260 (VOA) Full List	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Dissolved metals	Ca, Mg, K, Na, Br	& Field Filtered	O- Phosphorus
10/29/22	10:50	H2O	Pre-Treatment	3x40mL VOA's	HCl	001	X													
10/29/22	10:55	H2O	Post Air Stripper	3x40mL VOA's	HCl	002	X													
10/29/22	11:00	H2O	Between GAC's	3x40mL VOA's	HCl	003	X													
10/29/22	11:10	H2O	Post-Treatment	3x40mL VOA's	HCl	004								X						
10/29/22	11:10	H2O	Post-Treatment	3x125mL HDPE	NONE/H2SO4/HNO3	1							X				X	X	X	X
11/01/22	16:00	H2O	Field Blank	2x40mL VOA's	HCl	005														

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/01/22	16:30		GA	UPS	11/2/22	9:15
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send Results ASAP To: Sofie.Weber.Snappe WSP.com
Any Questions? Please Call CMB @ 575.626.1615

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 10, 2023

Sofie Weber-Snapp

Earth Con
14405 Walters Rd Ste 700
Houston, TX
TEL: (317) 450-6126
FAX:

RE: Earth Con Consultants Inc TWP Roswell Station 9 OrderNo.: 2212C24

Dear Sofie Weber-Snapp:

Hall Environmental Analysis Laboratory received 5 sample(s) on 12/21/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2212C24**
Date Reported: **1/10/2023**

CLIENT: Earth Con
Client Sample ID: Pre-Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 12/20/2022 10:09:00 AM
Lab ID: 2212C24-001 **Matrix:** AQUEOUS **Received Date:** 12/21/2022 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	210	10		µg/L	10	12/29/2022 9:59:00 PM	SL93612
Toluene	390	10		µg/L	10	12/29/2022 9:59:00 PM	SL93612
Ethylbenzene	27	10		µg/L	10	12/29/2022 9:59:00 PM	SL93612
Xylenes, Total	450	15		µg/L	10	12/29/2022 9:59:00 PM	SL93612
Surr: 1,2-Dichloroethane-d4	96.0	70-130		%Rec	10	12/29/2022 9:59:00 PM	SL93612
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	10	12/29/2022 9:59:00 PM	SL93612
Surr: Dibromofluoromethane	96.1	70-130		%Rec	10	12/29/2022 9:59:00 PM	SL93612
Surr: Toluene-d8	102	70-130		%Rec	10	12/29/2022 9:59:00 PM	SL93612

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2212C24**
Date Reported: **1/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post Air Stripper
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 12/20/2022 10:18:00 AM
Lab ID: 2212C24-002 **Matrix:** AQUEOUS **Received Date:** 12/21/2022 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	7.8	1.0		µg/L	1	12/29/2022 8:04:00 PM	SL93612
Toluene	12	1.0		µg/L	1	12/29/2022 8:04:00 PM	SL93612
Ethylbenzene	1.1	1.0		µg/L	1	12/29/2022 8:04:00 PM	SL93612
Xylenes, Total	14	1.5		µg/L	1	12/29/2022 8:04:00 PM	SL93612
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	12/29/2022 8:04:00 PM	SL93612
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	12/29/2022 8:04:00 PM	SL93612
Surr: Dibromofluoromethane	103	70-130		%Rec	1	12/29/2022 8:04:00 PM	SL93612
Surr: Toluene-d8	98.1	70-130		%Rec	1	12/29/2022 8:04:00 PM	SL93612

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2212C24**
Date Reported: **1/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Between GAC's
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 12/20/2022 10:20:00 AM
Lab ID: 2212C24-003 **Matrix:** AQUEOUS **Received Date:** 12/21/2022 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	2.4	1.0		µg/L	1	12/29/2022 8:27:00 PM	SL93612
Toluene	2.2	1.0		µg/L	1	12/29/2022 8:27:00 PM	SL93612
Ethylbenzene	ND	1.0		µg/L	1	12/29/2022 8:27:00 PM	SL93612
Xylenes, Total	ND	1.5		µg/L	1	12/29/2022 8:27:00 PM	SL93612
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	12/29/2022 8:27:00 PM	SL93612
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	12/29/2022 8:27:00 PM	SL93612
Surr: Dibromofluoromethane	98.2	70-130		%Rec	1	12/29/2022 8:27:00 PM	SL93612
Surr: Toluene-d8	121	70-130		%Rec	1	12/29/2022 8:27:00 PM	SL93612

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2212C24**
Date Reported: **1/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post-Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 12/20/2022 10:35:00 AM
Lab ID: 2212C24-004 **Matrix:** AQUEOUS **Received Date:** 12/21/2022 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Fluoride	0.64	0.50		mg/L	5	12/22/2022 12:36:36 AM	R93495
Chloride	90	10		mg/L	20	12/22/2022 12:49:00 AM	R93495
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	12/22/2022 12:36:36 AM	R93495
Bromide	ND	0.50		mg/L	5	12/22/2022 12:36:36 AM	R93495
Nitrogen, Nitrate (As N)	41	2.0	*	mg/L	20	12/22/2022 12:49:00 AM	R93495
Phosphorus, Orthophosphate (As P)	5.9	2.5		mg/L	5	12/22/2022 12:36:36 AM	R93495
Sulfate	93	2.5		mg/L	5	12/22/2022 12:36:36 AM	R93495
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**	
Calcium	350	5.0		mg/L	5	12/23/2022 4:46:51 PM	C93558
Magnesium	110	5.0		mg/L	5	12/23/2022 4:46:51 PM	C93558
Potassium	2.2	1.0		mg/L	1	12/23/2022 4:43:30 PM	C93558
Sodium	230	5.0		mg/L	5	12/23/2022 4:46:51 PM	C93558
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Toluene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Ethylbenzene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Naphthalene	ND	2.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1-Methylnaphthalene	ND	4.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
2-Methylnaphthalene	ND	4.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Acetone	ND	10		µg/L	1	12/29/2022 8:50:00 PM	R93612
Bromobenzene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Bromodichloromethane	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Bromoform	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Bromomethane	ND	3.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
2-Butanone	ND	10		µg/L	1	12/29/2022 8:50:00 PM	R93612
Carbon disulfide	ND	10		µg/L	1	12/29/2022 8:50:00 PM	R93612
Carbon Tetrachloride	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Chlorobenzene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Chloroethane	ND	2.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Chloroform	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Chloromethane	ND	3.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
2-Chlorotoluene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
4-Chlorotoluene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2212C24**
Date Reported: **1/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post-Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 12/20/2022 10:35:00 AM
Lab ID: 2212C24-004 **Matrix:** AQUEOUS **Received Date:** 12/21/2022 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
cis-1,2-DCE	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Dibromochloromethane	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Dibromomethane	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,1-Dichloroethane	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,1-Dichloroethene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,2-Dichloropropane	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,3-Dichloropropane	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
2,2-Dichloropropane	ND	2.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,1-Dichloropropene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Hexachlorobutadiene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
2-Hexanone	ND	10		µg/L	1	12/29/2022 8:50:00 PM	R93612
Isopropylbenzene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
4-Isopropyltoluene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
4-Methyl-2-pentanone	ND	10		µg/L	1	12/29/2022 8:50:00 PM	R93612
Methylene Chloride	ND	3.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
n-Butylbenzene	ND	3.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
n-Propylbenzene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
sec-Butylbenzene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Styrene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
tert-Butylbenzene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
trans-1,2-DCE	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Trichlorofluoromethane	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/29/2022 8:50:00 PM	R93612
Vinyl chloride	ND	1.0		µg/L	1	12/29/2022 8:50:00 PM	R93612

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2212C24**
Date Reported: **1/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Post-Treatment
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 12/20/2022 10:35:00 AM
Lab ID: 2212C24-004 **Matrix:** AQUEOUS **Received Date:** 12/21/2022 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Xylenes, Total	ND	1.5		µg/L	1	12/29/2022 8:50:00 PM	R93612
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	12/29/2022 8:50:00 PM	R93612
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	12/29/2022 8:50:00 PM	R93612
Surr: Dibromofluoromethane	107	70-130		%Rec	1	12/29/2022 8:50:00 PM	R93612
Surr: Toluene-d8	99.1	70-130		%Rec	1	12/29/2022 8:50:00 PM	R93612

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2212C24**
Date Reported: **1/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Earth Con
Client Sample ID: Field Blank
Project: Earth Con Consultants Inc TWP Roswell
Collection Date: 12/20/2022 12:08:00 PM
Lab ID: 2212C24-005 **Matrix:** AQUEOUS **Received Date:** 12/21/2022 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	12/29/2022 9:13:00 PM	SL93612
Toluene	ND	1.0		µg/L	1	12/29/2022 9:13:00 PM	SL93612
Ethylbenzene	ND	1.0		µg/L	1	12/29/2022 9:13:00 PM	SL93612
Xylenes, Total	ND	1.5		µg/L	1	12/29/2022 9:13:00 PM	SL93612
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	12/29/2022 9:13:00 PM	SL93612
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	12/29/2022 9:13:00 PM	SL93612
Surr: Dibromofluoromethane	104	70-130		%Rec	1	12/29/2022 9:13:00 PM	SL93612
Surr: Toluene-d8	97.6	70-130		%Rec	1	12/29/2022 9:13:00 PM	SL93612

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212C24**

10-Jan-23

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **MB-C**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **C93558**	RunNo: **93558**
Prep Date:	Analysis Date: **12/23/2022**	SeqNo: **3375409** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Magnesium	ND	1.0								
Potassium	ND	1.0								
Sodium	ND	1.0								

Sample ID: **LCSLL-C**	SampType: **LCSLL**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **C93558**	RunNo: **93558**
Prep Date:	Analysis Date: **12/23/2022**	SeqNo: **3375410** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0	0.5000	0	98.7	50	150			
Magnesium	ND	1.0	0.5000	0	96.2	50	150			
Potassium	ND	1.0	0.5000	0	102	50	150			
Sodium	ND	1.0	0.5000	0	101	50	150			

Sample ID: **LCS-C**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **C93558**	RunNo: **93558**
Prep Date:	Analysis Date: **12/23/2022**	SeqNo: **3375411** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	50	1.0	50.00	0	99.2	85	115			
Magnesium	49	1.0	50.00	0	98.5	85	115			
Potassium	49	1.0	50.00	0	98.6	85	115			
Sodium	47	1.0	50.00	0	94.7	85	115			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212C24**

10-Jan-23

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R93495**	RunNo: **93495**
Prep Date:	Analysis Date: **12/21/2022**	SeqNo: **3372480** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Chloride	ND	0.50								
Nitrogen, Nitrite (As N)	ND	0.10								
Bromide	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Phosphorus, Orthophosphate (As P)	ND	0.50								
Sulfate	ND	0.50								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R93495**	RunNo: **93495**
Prep Date:	Analysis Date: **12/21/2022**	SeqNo: **3372481** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.47	0.10	0.5000	0	94.0	90	110			
Chloride	4.6	0.50	5.000	0	91.6	90	110			
Nitrogen, Nitrite (As N)	0.93	0.10	1.000	0	93.5	90	110			
Bromide	2.3	0.10	2.500	0	93.9	90	110			
Nitrogen, Nitrate (As N)	2.4	0.10	2.500	0	97.7	90	110			
Phosphorus, Orthophosphate (As P)	4.5	0.50	5.000	0	90.9	90	110			
Sulfate	9.6	0.50	10.00	0	95.5	90	110			

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R93495**	RunNo: **93495**
Prep Date:	Analysis Date: **12/22/2022**	SeqNo: **3372534** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Nitrogen, Nitrite (As N)	ND	0.10								
Bromide	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Phosphorus, Orthophosphate (As P)	ND	0.50								
Sulfate	ND	0.50								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R93495**	RunNo: **93495**
Prep Date:	Analysis Date: **12/22/2022**	SeqNo: **3372535** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.5	0.50	5.000	0	90.1	90	110			
Nitrogen, Nitrite (As N)	0.92	0.10	1.000	0	92.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212C24**

10-Jan-23

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R93495**	RunNo: **93495**
Prep Date:	Analysis Date: **12/22/2022**	SeqNo: **3372535** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromide	2.3	0.10	2.500	0	92.4	90	110			
Nitrogen, Nitrate (As N)	2.4	0.10	2.500	0	96.0	90	110			
Phosphorus, Orthophosphate (As P)	4.5	0.50	5.000	0	90.2	90	110			
Sulfate	9.4	0.50	10.00	0	94.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212C24**

10-Jan-23

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **SL93612**	RunNo: **93612**
Prep Date:	Analysis Date: **12/29/2022**	SeqNo: **3379632** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		103	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.7	70	130			
Surr: Dibromofluoromethane	11		10.00		109	70	130			
Surr: Toluene-d8	9.7		10.00		96.5	70	130			

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **SL93612**	RunNo: **93612**
Prep Date:	Analysis Date: **12/29/2022**	SeqNo: **3379649** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	100	70	130			
Toluene	20	1.0	20.00	0	98.0	70	130			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		97.3	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		105	70	130			
Surr: Dibromofluoromethane	9.8		10.00		97.8	70	130			
Surr: Toluene-d8	9.8		10.00		97.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212C24**

10-Jan-23

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R93612**	RunNo: **93612**
Prep Date:	Analysis Date: **12/29/2022**	SeqNo: **3378097** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	100	70	130			
Toluene	20	1.0	20.00	0	98.0	70	130			
Chlorobenzene	20	1.0	20.00	0	100	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	100	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	96.9	70	130			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		97.3	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		105	70	130			
Surr: Dibromofluoromethane	9.8		10.00		97.8	70	130			
Surr: Toluene-d8	9.8		10.00		97.8	70	130			

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R93612**	RunNo: **93612**
Prep Date:	Analysis Date: **12/29/2022**	SeqNo: **3379626** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2212C24**
10-Jan-23

Client: Earth Con
Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R93612**	RunNo: **93612**
Prep Date:	Analysis Date: **12/29/2022**	SeqNo: **3379626** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212C24**

10-Jan-23

Client: Earth Con

Project: Earth Con Consultants Inc TWP Roswell Statio

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R93612**	RunNo: **93612**
Prep Date:	Analysis Date: **12/29/2022**	SeqNo: **3379626** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		103	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.7	70	130			
Surr: Dibromofluoromethane	11		10.00		109	70	130			
Surr: Toluene-d8	9.7		10.00		96.5	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Earth Con | Work Order Number: 2212C24 | RcptNo: 1

Received By: Kasandra Jimena Garcia 12/21/2022 9:25:00 AM

Completed By: Sean Livingston 12/21/2022 10:33:16 AM

Reviewed By: KBC 12.21.22

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	UPS		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☑	No ☐	NA ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: 2 (<2 or >12 unless noted)

Adjusted? No

Checked by: TME 12/21/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.3	Good				

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM

Chain-of-Custody Record

Client: Earth Con Consultants Inc. / WSP

ATTN: Sofie Weber Snapp

Mailing Address: 1550 West Oak Parkway Suite 110 Marietta, GA 30062

Phone #: 770.973.2100

email or Fax#: Sofie.Weber.Snapp@wsp.com

QA/QC Package: Steve.Piamowa@wsp.com

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush

Project Name: Earth Con Consultants Inc. / WSP Turf Roswell Station #9

Project #: 02.202.003700 Monthly Discharge Water Sampling December 2022

Project Manager: Sofie Weber Snapp

Sampler: Cm Barnhill, PE

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 0.3-0=0.3 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2212644	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	CCE, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) Full List	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Dissolved Metals	Ca, Mg, K, Na, Br	* Field Filtered	O - Phosphorus		
12/20/22	10:09	H_2O	Pre-Treatment	3x40mL VOAs	HCl	001	X															
12/20/22	10:18	H_2O	Post-Air Stripper	3x40mL VOAs	HCl	002	X															
12/20/22	10:22	H_2O	Between GAC's	3x40mL VOAs	HCl	003	X															
12/20/22	10:35	H_2O	Post-Treatment	3x40mL VOAs	HCl	004								X								
12/20/22	10:35	H_2O	Post-Treatment	3x125mL HDPE	None H_2SO_4 / HNO3	1							X				X	X		X		
12/20/22	12:05	H_2O	Field Blank	2x40mL VOAs	HCl	005																

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
12/20/22	12:30			12.21.22	UPS	9:25
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Send Results ASAP To: Sofie.Weber.Snapp@wsp.com Any Questions? Please Call CMBE 575.626.1615

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

31-Mar-2022

Sofie Weber-Snapp
EarthCon
188 West Oak Parkway
Suite 106
Marietta, GA 30062

Re: **Roswell Station; SVE Quarterly Sampling Q1/2022** Work Order: **22030568**

Dear Sofie,

ALS Environmental received 1 sample on 15-Mar-2022 11:13 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 14.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 31-Mar-22

Client: EarthCon
Project: Roswell Station; SVE Quarterly Sampling Q1/2022
Work Order: **22030568**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
22030568-01	West Baker Furnace	Air		3/9/2022 08:32	3/15/2022 11:13	☐

ALS Environmental

Date: 31-Mar-22

Client: EarthCon
Project: Roswell Station; SVE Quarterly Sampling Q1/2022
Work Order: 22030568

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

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

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: *31-Mar-22*

Client: EarthCon
Project: Roswell Station; SVE Quarterly Sampling Q1/2022 **Work Order:** 22030568
Sample ID: West Baker Furnace **Lab ID:** 22030568-01
Collection Date: 3/9/2022 08:32 AM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		250	ppbv	500	3/25/2022 02:44 AM
1,1,2,2-Tetrachloroethane	ND		250	ppbv	500	3/25/2022 02:44 AM
1,1,2-Trichloroethane	ND		100	ppbv	500	3/25/2022 02:44 AM
1,1-Dichloroethane	ND		250	ppbv	500	3/25/2022 02:44 AM
1,1-Dichloroethene	ND		250	ppbv	500	3/25/2022 02:44 AM
1,2,4-Trichlorobenzene	ND		250	ppbv	500	3/25/2022 02:44 AM
1,2,4-Trimethylbenzene	ND		250	ppbv	500	3/25/2022 02:44 AM
1,2-Dibromoethane	ND		100	ppbv	500	3/25/2022 02:44 AM
1,2-Dichlorobenzene	ND		250	ppbv	500	3/25/2022 02:44 AM
1,2-Dichloroethane	ND		100	ppbv	500	3/25/2022 02:44 AM
1,2-Dichloropropane	ND		250	ppbv	500	3/25/2022 02:44 AM
1,3,5-Trimethylbenzene	ND		250	ppbv	500	3/25/2022 02:44 AM
1,3-Butadiene	ND		100	ppbv	500	3/25/2022 02:44 AM
1,3-Dichlorobenzene	ND		250	ppbv	500	3/25/2022 02:44 AM
1,4-Dichlorobenzene	ND		100	ppbv	500	3/25/2022 02:44 AM
1,4-Dioxane	ND		500	ppbv	500	3/25/2022 02:44 AM
2-Butanone	ND		500	ppbv	500	3/25/2022 02:44 AM
2-Hexanone	ND		500	ppbv	500	3/25/2022 02:44 AM
2-Propanol	ND		500	ppbv	500	3/25/2022 02:44 AM
4-Ethyltoluene	ND		250	ppbv	500	3/25/2022 02:44 AM
4-Methyl-2-pentanone	ND		500	ppbv	500	3/25/2022 02:44 AM
Acetone	ND		500	ppbv	500	3/25/2022 02:44 AM
Benzene	**340**		**250**	**ppbv**	500	3/25/2022 02:44 AM
Benzyl chloride	ND		500	ppbv	500	3/25/2022 02:44 AM
Bromodichloromethane	ND		100	ppbv	500	3/25/2022 02:44 AM
Bromoform	ND		250	ppbv	500	3/25/2022 02:44 AM
Bromomethane	ND		250	ppbv	500	3/25/2022 02:44 AM
Carbon disulfide	ND		250	ppbv	500	3/25/2022 02:44 AM
Carbon tetrachloride	ND		250	ppbv	500	3/25/2022 02:44 AM
Chlorobenzene	ND		250	ppbv	500	3/25/2022 02:44 AM
Chloroethane	ND		250	ppbv	500	3/25/2022 02:44 AM
Chloroform	ND		100	ppbv	500	3/25/2022 02:44 AM
Chloromethane	ND		250	ppbv	500	3/25/2022 02:44 AM
cis-1,2-Dichloroethene	ND		250	ppbv	500	3/25/2022 02:44 AM
cis-1,3-Dichloropropene	ND		250	ppbv	500	3/25/2022 02:44 AM
Cumene	ND		250	ppbv	500	3/25/2022 02:44 AM
Cyclohexane	**9,200**		**250**	**ppbv**	500	3/25/2022 02:44 AM
Dibromochloromethane	ND		250	ppbv	500	3/25/2022 02:44 AM
Dichlorodifluoromethane	ND		250	ppbv	500	3/25/2022 02:44 AM

Note:

ALS Environmental

Date: *31-Mar-22*

Client: EarthCon
Project: Roswell Station; SVE Quarterly Sampling Q1/2022 **Work Order:** 22030568
Sample ID: West Baker Furnace **Lab ID:** 22030568-01
Collection Date: 3/9/2022 08:32 AM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		250	ppbv	500	3/25/2022 02:44 AM
Ethylbenzene	ND		250	ppbv	500	3/25/2022 02:44 AM
Freon 113	ND		250	ppbv	500	3/25/2022 02:44 AM
Freon 114	ND		250	ppbv	500	3/25/2022 02:44 AM
Heptane	**9,700**		**250**	**ppbv**	500	3/25/2022 02:44 AM
Hexachlorobutadiene	ND		100	ppbv	500	3/25/2022 02:44 AM
Hexane	**15,000**		**2,500**	**ppbv**	5000	3/25/2022 01:58 AM
m,p-Xylene	ND		250	ppbv	500	3/25/2022 02:44 AM
Methylene chloride	ND		1,000	ppbv	500	3/25/2022 02:44 AM
MTBE	ND		250	ppbv	500	3/25/2022 02:44 AM
Naphthalene	ND		100	ppbv	500	3/25/2022 02:44 AM
o-Xylene	ND		250	ppbv	500	3/25/2022 02:44 AM
Propene	ND		250	ppbv	500	3/25/2022 02:44 AM
Styrene	ND		250	ppbv	500	3/25/2022 02:44 AM
Tetrachloroethene	ND		250	ppbv	500	3/25/2022 02:44 AM
Tetrahydrofuran	ND		250	ppbv	500	3/25/2022 02:44 AM
Toluene	**260**		**250**	**ppbv**	500	3/25/2022 02:44 AM
trans-1,2-Dichloroethene	ND		250	ppbv	500	3/25/2022 02:44 AM
trans-1,3-Dichloropropene	ND		250	ppbv	500	3/25/2022 02:44 AM
Trichloroethene	ND		100	ppbv	500	3/25/2022 02:44 AM
Trichlorofluoromethane	ND		250	ppbv	500	3/25/2022 02:44 AM
Vinyl acetate	ND		500	ppbv	500	3/25/2022 02:44 AM
Vinyl chloride	ND		250	ppbv	500	3/25/2022 02:44 AM
Surr: Bromofluorobenzene	*87.3*		*60-140*	*%REC*	500	3/25/2022 02:44 AM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		1,360	µg/m3	500	3/25/2022 02:44 AM
1,1,2,2-Tetrachloroethane	ND		1,720	µg/m3	500	3/25/2022 02:44 AM
1,1,2-Trichloroethane	ND		546	µg/m3	500	3/25/2022 02:44 AM
1,1-Dichloroethane	ND		1,010	µg/m3	500	3/25/2022 02:44 AM
1,1-Dichloroethene	ND		991	µg/m3	500	3/25/2022 02:44 AM
1,2,4-Trichlorobenzene	ND		1,860	µg/m3	500	3/25/2022 02:44 AM
1,2,4-Trimethylbenzene	ND		1,230	µg/m3	500	3/25/2022 02:44 AM
1,2-Dibromoethane	ND		768	µg/m3	500	3/25/2022 02:44 AM
1,2-Dichlorobenzene	ND		1,500	µg/m3	500	3/25/2022 02:44 AM
1,2-Dichloroethane	ND		405	µg/m3	500	3/25/2022 02:44 AM
1,2-Dichloropropane	ND		1,160	µg/m3	500	3/25/2022 02:44 AM
1,3,5-Trimethylbenzene	ND		1,230	µg/m3	500	3/25/2022 02:44 AM
1,3-Butadiene	ND		221	µg/m3	500	3/25/2022 02:44 AM
1,3-Dichlorobenzene	ND		1,500	µg/m3	500	3/25/2022 02:44 AM
1,4-Dichlorobenzene	ND		601	µg/m3	500	3/25/2022 02:44 AM

Note:

ALS Environmental

Date: *31-Mar-22*

Client: EarthCon
Project: Roswell Station; SVE Quarterly Sampling Q1/2022 **Work Order:** 22030568
Sample ID: West Baker Furnace **Lab ID:** 22030568-01
Collection Date: 3/9/2022 08:32 AM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		1,800	µg/m3	500	3/25/2022 02:44 AM
2-Butanone	ND		1,470	µg/m3	500	3/25/2022 02:44 AM
2-Hexanone	ND		2,050	µg/m3	500	3/25/2022 02:44 AM
2-Propanol	ND		1,230	µg/m3	500	3/25/2022 02:44 AM
4-Ethyltoluene	ND		1,230	µg/m3	500	3/25/2022 02:44 AM
4-Methyl-2-pentanone	ND		2,050	µg/m3	500	3/25/2022 02:44 AM
Acetone	ND		1,190	µg/m3	500	3/25/2022 02:44 AM
Benzene	**1,070**		**799**	**µg/m3**	500	3/25/2022 02:44 AM
Benzyl chloride	ND		2,590	µg/m3	500	3/25/2022 02:44 AM
Bromodichloromethane	ND		670	µg/m3	500	3/25/2022 02:44 AM
Bromoform	ND		2,580	µg/m3	500	3/25/2022 02:44 AM
Bromomethane	ND		971	µg/m3	500	3/25/2022 02:44 AM
Carbon disulfide	ND		778	µg/m3	500	3/25/2022 02:44 AM
Carbon tetrachloride	ND		1,570	µg/m3	500	3/25/2022 02:44 AM
Chlorobenzene	ND		1,150	µg/m3	500	3/25/2022 02:44 AM
Chloroethane	ND		660	µg/m3	500	3/25/2022 02:44 AM
Chloroform	ND		488	µg/m3	500	3/25/2022 02:44 AM
Chloromethane	ND		516	µg/m3	500	3/25/2022 02:44 AM
cis-1,2-Dichloroethene	ND		991	µg/m3	500	3/25/2022 02:44 AM
cis-1,3-Dichloropropene	ND		1,130	µg/m3	500	3/25/2022 02:44 AM
Cumene	ND		1,230	µg/m3	500	3/25/2022 02:44 AM
Cyclohexane	**31,700**		**861**	**µg/m3**	500	3/25/2022 02:44 AM
Dibromochloromethane	ND		2,130	µg/m3	500	3/25/2022 02:44 AM
Dichlorodifluoromethane	ND		1,240	µg/m3	500	3/25/2022 02:44 AM
Ethyl acetate	ND		901	µg/m3	500	3/25/2022 02:44 AM
Ethylbenzene	ND		1,090	µg/m3	500	3/25/2022 02:44 AM
Freon 113	ND		1,920	µg/m3	500	3/25/2022 02:44 AM
Freon 114	ND		1,750	µg/m3	500	3/25/2022 02:44 AM
Heptane	**39,600**		**1,020**	**µg/m3**	500	3/25/2022 02:44 AM
Hexachlorobutadiene	ND		1,070	µg/m3	500	3/25/2022 02:44 AM
Hexane	**51,300**		**8,810**	**µg/m3**	5000	3/25/2022 01:58 AM
m,p-Xylene	ND		1,090	µg/m3	500	3/25/2022 02:44 AM
Methylene chloride	ND		3,500	µg/m3	500	3/25/2022 02:44 AM
MTBE	ND		901	µg/m3	500	3/25/2022 02:44 AM
Naphthalene	ND		524	µg/m3	500	3/25/2022 02:44 AM
o-Xylene	ND		1,090	µg/m3	500	3/25/2022 02:44 AM
Propene	ND		430	µg/m3	500	3/25/2022 02:44 AM
Styrene	ND		1,060	µg/m3	500	3/25/2022 02:44 AM
Tetrachloroethene	ND		1,700	µg/m3	500	3/25/2022 02:44 AM
Tetrahydrofuran	ND		737	µg/m3	500	3/25/2022 02:44 AM

Note:

ALS Environmental

Date: *31-Mar-22*

Client: EarthCon
Project: Roswell Station; SVE Quarterly Sampling Q1/2022 **Work Order:** 22030568
Sample ID: West Baker Furnace **Lab ID:** 22030568-01
Collection Date: 3/9/2022 08:32 AM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	**980**		**942**	**µg/m3**	500	3/25/2022 02:44 AM
trans-1,2-Dichloroethene	ND		991	µg/m3	500	3/25/2022 02:44 AM
trans-1,3-Dichloropropene	ND		1,130	µg/m3	500	3/25/2022 02:44 AM
Trichloroethene	ND		537	µg/m3	500	3/25/2022 02:44 AM
Trichlorofluoromethane	ND		1,400	µg/m3	500	3/25/2022 02:44 AM
Vinyl acetate	ND		1,760	µg/m3	500	3/25/2022 02:44 AM
Vinyl chloride	ND		639	µg/m3	500	3/25/2022 02:44 AM
Surr: Bromofluorobenzene	*87.3*		*60-140*	*%REC*	500	3/25/2022 02:44 AM

Note:

ALS Laboratory Group
4388 Glendale-Milford Rd
Cincinnati, OH 45242
Ph: 513-733-5336
Fax: 513-733-5347
www.alsglobal.com

TVOC **

Client: Earthcon
Client Sample ID: TWP West Baker Furnace
ALS Sample # 22030568-01a
Method: EPA TO-15

		Estimated Concentration	Units
	TVOC**	81595	PPBV
	TVOC**	287570	ug/m3

**TVOC calculation based on response factor and molecular weight of hexane.
****Results should be considered estimated.

ALS Environmental

Date: 31-Mar-22

Client: EarthCon

QC BATCH REPORT

Work Order: 22030568

Project: Roswell Station; SVE Quarterly Sampling Q1/2022

Batch ID: **R202650** Instrument ID **VMS4** Method: **ETO-15**

MBLK Sample ID: **mblk-R202650** Units: **ppbv** Analysis Date: **3/24/2022 12:55 PM**

Client ID: Run ID: **VMS4_220324A** SeqNo: **2694237** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	0.50								
1,1,2,2-Tetrachloroethane	ND	0.50								
1,1,2-Trichloroethane	ND	0.20								
1,1-Dichloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
1,2,4-Trichlorobenzene	ND	0.50								
1,2,4-Trimethylbenzene	ND	0.50								
1,2-Dibromoethane	ND	0.20								
1,2-Dichlorobenzene	ND	0.50								
1,2-Dichloroethane	ND	0.20								
1,2-Dichloropropane	ND	0.50								
1,3,5-Trimethylbenzene	ND	0.50								
1,3-Butadiene	ND	0.20								
1,3-Dichlorobenzene	ND	0.50								
1,4-Dichlorobenzene	ND	0.20								
1,4-Dioxane	ND	1.0								
2-Butanone	ND	1.0								
2-Hexanone	ND	1.0								
2-Propanol	ND	1.0								
4-Ethyltoluene	ND	0.50								
4-Methyl-2-pentanone	ND	1.0								
Acetone	ND	1.0								
Benzene	ND	0.50								
Benzyl chloride	ND	1.0								
Bromodichloromethane	ND	0.20								
Bromoform	ND	0.50								
Bromomethane	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.50								
Chlorobenzene	ND	0.50								
Chloroethane	ND	0.50								
Chloroform	ND	0.20								
Chloromethane	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
cis-1,3-Dichloropropene	ND	0.50								
Cumene	ND	0.50								
Cyclohexane	ND	0.50								
Dibromochloromethane	ND	0.50								
Dichlorodifluoromethane	ND	0.50								
Ethyl acetate	ND	0.50								
Ethylbenzene	ND	0.50								

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

Client: EarthCon
Work Order: 22030568
Project: Roswell Station; SVE Quarterly Sampling Q1/2022

QC BATCH REPORT

Batch ID: **R202650** Instrument ID **VMS4** Method: **ETO-15**

Freon 113	ND	0.50					
Freon 114	ND	0.50					
Heptane	ND	0.50					
Hexachlorobutadiene	ND	0.20					
Hexane	ND	0.50					
m,p-Xylene	ND	0.50					
Methylene chloride	ND	2.0					
MTBE	ND	0.50					
Naphthalene	ND	0.20					
o-Xylene	ND	0.50					
Propene	ND	0.50					
Styrene	ND	0.50					
Tetrachloroethene	ND	0.50					
Tetrahydrofuran	ND	0.50					
Toluene	ND	0.50					
trans-1,2-Dichloroethene	ND	0.50					
trans-1,3-Dichloropropene	ND	0.50					
Trichloroethene	ND	0.20					
Trichlorofluoromethane	ND	0.50					
Vinyl acetate	ND	1.0					
Vinyl chloride	ND	0.50					
Surr: Bromofluorobenzene	*7.94*	0	*10*	0	*79.4*	*60-140*	0

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

Client: EarthCon
Work Order: 22030568
Project: Roswell Station; SVE Quarterly Sampling Q1/2022

QC BATCH REPORT

Batch ID: **R202650** Instrument ID **VMS4** Method: **ETO-15**

LCS Sample ID: **LCS-R202650** Units: **ppbv** Analysis Date: **3/24/2022 11:24 AM**
Client ID: Run ID: **VMS4_220324A** SeqNo: **2694236** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	9.96	0.50	10	0	99.6	58.8-163	0			
1,1,2,2-Tetrachloroethane	11.23	0.50	10	0	112	60-140	0			
1,1,2-Trichloroethane	10.87	0.20	10	0	109	60-140	0			
1,1-Dichloroethane	10.1	0.50	10	0	101	60-140	0			
1,1-Dichloroethene	10.12	0.50	10	0	101	60-140	0			
1,2,4-Trichlorobenzene	9.51	0.50	10	0	95.1	49.3-150	0			
1,2,4-Trimethylbenzene	10.65	0.50	10	0	106	50.1-162	0			
1,2-Dibromoethane	10.88	0.20	10	0	109	60-140	0			
1,2-Dichlorobenzene	10.99	0.50	10	0	110	41.9-141	0			
1,2-Dichloroethane	10.87	0.20	10	0	109	60-140	0			
1,2-Dichloropropane	10.81	0.50	10	0	108	60-140	0			
1,3,5-Trimethylbenzene	10.61	0.50	10	0	106	60-140	0			
1,3-Butadiene	11.29	0.20	10	0	113	50.6-140	0			
1,3-Dichlorobenzene	11.12	0.50	10	0	111	60-140	0			
1,4-Dichlorobenzene	11.79	0.20	10	0	118	55.1-145	0			
1,4-Dioxane	9.68	1.0	10	0	96.8	60-140	0			
2-Butanone	9.67	1.0	10	0	96.7	60-140	0			
2-Hexanone	12.49	1.0	10	0	125	56.2-162	0			
2-Propanol	10.16	1.0	10	0	102	60-140	0			
4-Ethyltoluene	11.16	0.50	10	0	112	60-140	0			
4-Methyl-2-pentanone	12.21	1.0	10	0	122	60-140	0			
Acetone	11.48	1.0	10	0	115	60-140	0			
Benzene	9.4	0.50	10	0	94	60-140	0			
Benzyl chloride	16.67	1.0	10	0	167	31.9-174	0			E
Bromodichloromethane	11.49	0.20	10	0	115	60-140	0			
Bromoform	11.39	0.50	10	0	114	60-140	0			
Bromomethane	12.55	0.50	10	0	126	60-140	0			
Carbon disulfide	9.7	0.50	10	0	97	60-140	0			
Carbon tetrachloride	10.37	0.50	10	0	104	60-140	0			
Chlorobenzene	10.05	0.50	10	0	100	60-140	0			
Chloroethane	11.65	0.50	10	0	116	60-140	0			
Chloroform	10.09	0.20	10	0	101	60-140	0			
Chloromethane	12.08	0.50	10	0	121	60-140	0			
cis-1,2-Dichloroethene	10.37	0.50	10	0	104	60-140	0			
cis-1,3-Dichloropropene	10.58	0.50	10	0	106	60-140	0			
Cumene	9.95	0.50	10	0	99.5	60-140	0			
Cyclohexane	8.7	0.50	10	0	87	60-140	0			
Dibromochloromethane	11.48	0.50	10	0	115	60-140	0			
Dichlorodifluoromethane	11.25	0.50	10	0	112	60-140	0			
Ethyl acetate	10.28	0.50	10	0	103	60-140	0			
Ethylbenzene	10.25	0.50	10	0	102	60-140	0			
Freon 113	9.88	0.50	10	0	98.8	60-140	0			

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

Client: EarthCon
Work Order: 22030568
Project: Roswell Station; SVE Quarterly Sampling Q1/2022

QC BATCH REPORT

Batch ID: **R202650** Instrument ID **VMS4** Method: **ETO-15**

Freon 114	10.97	0.50	10	0	110	60-140	0
Heptane	10.27	0.50	10	0	103	60-140	0
Hexachlorobutadiene	11.07	0.20	10	0	111	60-140	0
Hexane	9.48	0.50	10	0	94.8	60-140	0
m,p-Xylene	21.39	0.50	20	0	107	60-140	0
Methylene chloride	10.55	2.0	10	0	106	60-140	0
MTBE	9.3	0.50	10	0	93	60.8-151	0
Naphthalene	9.05	0.20	10	0	90.5	53.1-152	0
o-Xylene	10.5	0.50	10	0	105	60-140	0
Propene	11.88	0.50	10	0	119	34.4-139	0
Styrene	10.79	0.50	10	0	108	60-140	0
Tetrachloroethene	9.97	0.50	10	0	99.7	60-140	0
Tetrahydrofuran	10.44	0.50	10	0	104	60-140	0
Toluene	10.45	0.50	10	0	104	60-140	0
trans-1,2-Dichloroethene	9.3	0.50	10	0	93	60-140	0
trans-1,3-Dichloropropene	11.17	0.50	10	0	112	60-140	0
Trichloroethene	10.1	0.20	10	0	101	60-140	0
Trichlorofluoromethane	10.19	0.50	10	0	102	60-140	0
Vinyl acetate	9.99	1.0	10	0	99.9	48.4-145	0
Vinyl chloride	12.55	0.50	10	0	126	60-140	0
Surr: Bromofluorobenzene	*11.58*	0	*10*	0	*116*	*60-140*	0

The following samples were analyzed in this batch: 22030568-01a

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

ALS Environmental

Date: 31-Mar-22

Client: EarthCon
Project: Roswell Station; SVE Quarterly Sampling Q1/2022
WorkOrder: **22030568**

QUALIFIERS, ACRONYMS, UNITS

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

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/m3	
ppbv	

ALS Environmental

Sample Receipt Checklist

Client Name: **EARTHCON-MARIETTA** Date/Time Received: **15-Mar-22 11:13**

Work Order: **22030568** Received by: **AB**

Checklist completed by Alec Bolender 15-Mar-22 Reviewed by: Shawn Smythe 15-Mar-22
eSignature Date eSignature Date

Matrices: air
Carrier name: FedEx

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 ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

11-Aug-2022

Sofie Weber-Snapp
EarthCon
188 West Oak Parkway
Suite 106
Marietta, GA 30062

Re: **Roswell Station #9; SVE Quarterly Influent Q2 2022** Work Order: **22070667**

Dear Sofie,

ALS Environmental received 1 sample on 19-Jul-2022 03:53 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 14.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 11-Aug-22

Client: EarthCon
Project: Roswell Station #9; SVE Quarterly Influent Q2 2022
Work Order: **22070667**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
22070667-01	WEST Baker Furnace	Air		7/14/2022 13:30	7/19/2022 15:53	☐

ALS Environmental

Date: 11-Aug-22

Client: EarthCon
Project: Roswell Station #9; SVE Quarterly Influent Q2 2022
Work Order: 22070667

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

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

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: *11-Aug-22*

Client: EarthCon
Project: Roswell Station #9; SVE Quarterly Influent Q2 2022 **Work Order:** 22070667
Sample ID: WEST Baker Furnace **Lab ID:** 22070667-01
Collection Date: 7/14/2022 01:30 PM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		250	ppbv	500	8/10/2022 09:00 AM
1,1,2,2-Tetrachloroethane	ND		250	ppbv	500	8/10/2022 09:00 AM
1,1,2-Trichloroethane	ND		100	ppbv	500	8/10/2022 09:00 AM
1,1-Dichloroethane	ND		250	ppbv	500	8/10/2022 09:00 AM
1,1-Dichloroethene	ND		250	ppbv	500	8/10/2022 09:00 AM
1,2,4-Trichlorobenzene	ND		250	ppbv	500	8/10/2022 09:00 AM
1,2,4-Trimethylbenzene	ND		250	ppbv	500	8/10/2022 09:00 AM
1,2-Dibromoethane	ND		100	ppbv	500	8/10/2022 09:00 AM
1,2-Dichlorobenzene	ND		250	ppbv	500	8/10/2022 09:00 AM
1,2-Dichloroethane	ND		100	ppbv	500	8/10/2022 09:00 AM
1,2-Dichloropropane	ND		250	ppbv	500	8/10/2022 09:00 AM
1,3,5-Trimethylbenzene	ND		250	ppbv	500	8/10/2022 09:00 AM
1,3-Butadiene	ND		100	ppbv	500	8/10/2022 09:00 AM
1,3-Dichlorobenzene	ND		250	ppbv	500	8/10/2022 09:00 AM
1,4-Dichlorobenzene	ND		100	ppbv	500	8/10/2022 09:00 AM
1,4-Dioxane	ND		500	ppbv	500	8/10/2022 09:00 AM
2-Butanone	ND		500	ppbv	500	8/10/2022 09:00 AM
2-Hexanone	ND		500	ppbv	500	8/10/2022 09:00 AM
2-Propanol	ND		500	ppbv	500	8/10/2022 09:00 AM
4-Ethyltoluene	ND		250	ppbv	500	8/10/2022 09:00 AM
4-Methyl-2-pentanone	ND		500	ppbv	500	8/10/2022 09:00 AM
Acetone	**3,000**		**500**	**ppbv**	500	8/10/2022 09:00 AM
Benzene	**380**		**250**	**ppbv**	500	8/10/2022 09:00 AM
Benzyl chloride	ND		500	ppbv	500	8/10/2022 09:00 AM
Bromodichloromethane	ND		100	ppbv	500	8/10/2022 09:00 AM
Bromoform	ND		250	ppbv	500	8/10/2022 09:00 AM
Bromomethane	ND		250	ppbv	500	8/10/2022 09:00 AM
Carbon disulfide	ND		250	ppbv	500	8/10/2022 09:00 AM
Carbon tetrachloride	ND		250	ppbv	500	8/10/2022 09:00 AM
Chlorobenzene	ND		250	ppbv	500	8/10/2022 09:00 AM
Chloroethane	ND		250	ppbv	500	8/10/2022 09:00 AM
Chloroform	ND		100	ppbv	500	8/10/2022 09:00 AM
Chloromethane	ND		250	ppbv	500	8/10/2022 09:00 AM
cis-1,2-Dichloroethene	ND		250	ppbv	500	8/10/2022 09:00 AM
cis-1,3-Dichloropropene	ND		250	ppbv	500	8/10/2022 09:00 AM
Cumene	ND		250	ppbv	500	8/10/2022 09:00 AM
Cyclohexane	**7,400**		**250**	**ppbv**	500	8/10/2022 09:00 AM
Dibromochloromethane	ND		250	ppbv	500	8/10/2022 09:00 AM
Dichlorodifluoromethane	ND		250	ppbv	500	8/10/2022 09:00 AM

Note:

ALS Environmental

Date: *11-Aug-22*

Client: EarthCon
Project: Roswell Station #9; SVE Quarterly Influent Q2 2022 **Work Order:** 22070667
Sample ID: WEST Baker Furnace **Lab ID:** 22070667-01
Collection Date: 7/14/2022 01:30 PM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		250	ppbv	500	8/10/2022 09:00 AM
Ethylbenzene	ND		250	ppbv	500	8/10/2022 09:00 AM
Freon 113	ND		250	ppbv	500	8/10/2022 09:00 AM
Freon 114	ND		250	ppbv	500	8/10/2022 09:00 AM
Heptane	**6,500**		**250**	**ppbv**	500	8/10/2022 09:00 AM
Hexachlorobutadiene	ND		100	ppbv	500	8/10/2022 09:00 AM
Hexane	**17,000**		**2,500**	**ppbv**	5000	8/10/2022 05:53 AM
m,p-Xylene	**280**		**250**	**ppbv**	500	8/10/2022 09:00 AM
Methylene chloride	ND		1,000	ppbv	500	8/10/2022 09:00 AM
MTBE	ND		250	ppbv	500	8/10/2022 09:00 AM
Naphthalene	ND		100	ppbv	500	8/10/2022 09:00 AM
o-Xylene	ND		250	ppbv	500	8/10/2022 09:00 AM
Propene	ND		250	ppbv	500	8/10/2022 09:00 AM
Styrene	ND		250	ppbv	500	8/10/2022 09:00 AM
Tetrachloroethene	ND		250	ppbv	500	8/10/2022 09:00 AM
Tetrahydrofuran	ND		250	ppbv	500	8/10/2022 09:00 AM
Toluene	**520**		**250**	**ppbv**	500	8/10/2022 09:00 AM
trans-1,2-Dichloroethene	ND		250	ppbv	500	8/10/2022 09:00 AM
trans-1,3-Dichloropropene	ND		250	ppbv	500	8/10/2022 09:00 AM
Trichloroethene	ND		100	ppbv	500	8/10/2022 09:00 AM
Trichlorofluoromethane	ND		250	ppbv	500	8/10/2022 09:00 AM
Vinyl acetate	ND		500	ppbv	500	8/10/2022 09:00 AM
Vinyl chloride	ND		250	ppbv	500	8/10/2022 09:00 AM
Surr: Bromofluorobenzene	*102*		*60-140*	*%REC*	500	8/10/2022 09:00 AM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		1,360	µg/m3	500	8/10/2022 09:00 AM
1,1,2,2-Tetrachloroethane	ND		1,720	µg/m3	500	8/10/2022 09:00 AM
1,1,2-Trichloroethane	ND		546	µg/m3	500	8/10/2022 09:00 AM
1,1-Dichloroethane	ND		1,010	µg/m3	500	8/10/2022 09:00 AM
1,1-Dichloroethene	ND		991	µg/m3	500	8/10/2022 09:00 AM
1,2,4-Trichlorobenzene	ND		1,860	µg/m3	500	8/10/2022 09:00 AM
1,2,4-Trimethylbenzene	ND		1,230	µg/m3	500	8/10/2022 09:00 AM
1,2-Dibromoethane	ND		768	µg/m3	500	8/10/2022 09:00 AM
1,2-Dichlorobenzene	ND		1,500	µg/m3	500	8/10/2022 09:00 AM
1,2-Dichloroethane	ND		405	µg/m3	500	8/10/2022 09:00 AM
1,2-Dichloropropane	ND		1,160	µg/m3	500	8/10/2022 09:00 AM
1,3,5-Trimethylbenzene	ND		1,230	µg/m3	500	8/10/2022 09:00 AM
1,3-Butadiene	ND		221	µg/m3	500	8/10/2022 09:00 AM
1,3-Dichlorobenzene	ND		1,500	µg/m3	500	8/10/2022 09:00 AM
1,4-Dichlorobenzene	ND		601	µg/m3	500	8/10/2022 09:00 AM

Note:

ALS Environmental

Date: *11-Aug-22*

Client: EarthCon
Project: Roswell Station #9; SVE Quarterly Influent Q2 2022 **Work Order:** 22070667
Sample ID: WEST Baker Furnace **Lab ID:** 22070667-01
Collection Date: 7/14/2022 01:30 PM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		1,800	µg/m3	500	8/10/2022 09:00 AM
2-Butanone	ND		1,470	µg/m3	500	8/10/2022 09:00 AM
2-Hexanone	ND		2,050	µg/m3	500	8/10/2022 09:00 AM
2-Propanol	ND		1,230	µg/m3	500	8/10/2022 09:00 AM
4-Ethyltoluene	ND		1,230	µg/m3	500	8/10/2022 09:00 AM
4-Methyl-2-pentanone	ND		2,050	µg/m3	500	8/10/2022 09:00 AM
Acetone	**7,100**		**1,190**	**µg/m3**	500	8/10/2022 09:00 AM
Benzene	**1,210**		**799**	**µg/m3**	500	8/10/2022 09:00 AM
Benzyl chloride	ND		2,590	µg/m3	500	8/10/2022 09:00 AM
Bromodichloromethane	ND		670	µg/m3	500	8/10/2022 09:00 AM
Bromoform	ND		2,580	µg/m3	500	8/10/2022 09:00 AM
Bromomethane	ND		971	µg/m3	500	8/10/2022 09:00 AM
Carbon disulfide	ND		778	µg/m3	500	8/10/2022 09:00 AM
Carbon tetrachloride	ND		1,570	µg/m3	500	8/10/2022 09:00 AM
Chlorobenzene	ND		1,150	µg/m3	500	8/10/2022 09:00 AM
Chloroethane	ND		660	µg/m3	500	8/10/2022 09:00 AM
Chloroform	ND		488	µg/m3	500	8/10/2022 09:00 AM
Chloromethane	ND		516	µg/m3	500	8/10/2022 09:00 AM
cis-1,2-Dichloroethene	ND		991	µg/m3	500	8/10/2022 09:00 AM
cis-1,3-Dichloropropene	ND		1,130	µg/m3	500	8/10/2022 09:00 AM
Cumene	ND		1,230	µg/m3	500	8/10/2022 09:00 AM
Cyclohexane	**25,500**		**861**	**µg/m3**	500	8/10/2022 09:00 AM
Dibromochloromethane	ND		2,130	µg/m3	500	8/10/2022 09:00 AM
Dichlorodifluoromethane	ND		1,240	µg/m3	500	8/10/2022 09:00 AM
Ethyl acetate	ND		901	µg/m3	500	8/10/2022 09:00 AM
Ethylbenzene	ND		1,090	µg/m3	500	8/10/2022 09:00 AM
Freon 113	ND		1,920	µg/m3	500	8/10/2022 09:00 AM
Freon 114	ND		1,750	µg/m3	500	8/10/2022 09:00 AM
Heptane	**26,600**		**1,020**	**µg/m3**	500	8/10/2022 09:00 AM
Hexachlorobutadiene	ND		1,070	µg/m3	500	8/10/2022 09:00 AM
Hexane	**60,800**		**8,810**	**µg/m3**	5000	8/10/2022 05:53 AM
m,p-Xylene	**1,220**		**1,090**	**µg/m3**	500	8/10/2022 09:00 AM
Methylene chloride	ND		3,500	µg/m3	500	8/10/2022 09:00 AM
MTBE	ND		901	µg/m3	500	8/10/2022 09:00 AM
Naphthalene	ND		524	µg/m3	500	8/10/2022 09:00 AM
o-Xylene	ND		1,090	µg/m3	500	8/10/2022 09:00 AM
Propene	ND		430	µg/m3	500	8/10/2022 09:00 AM
Styrene	ND		1,060	µg/m3	500	8/10/2022 09:00 AM
Tetrachloroethene	ND		1,700	µg/m3	500	8/10/2022 09:00 AM
Tetrahydrofuran	ND		737	µg/m3	500	8/10/2022 09:00 AM

Note:

ALS Environmental

Date: *11-Aug-22*

Client: EarthCon
Project: Roswell Station #9; SVE Quarterly Influent Q2 2022 **Work Order:** 22070667
Sample ID: WEST Baker Furnace **Lab ID:** 22070667-01
Collection Date: 7/14/2022 01:30 PM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	**1,960**		**942**	**µg/m3**	500	8/10/2022 09:00 AM
trans-1,2-Dichloroethene	ND		991	µg/m3	500	8/10/2022 09:00 AM
trans-1,3-Dichloropropene	ND		1,130	µg/m3	500	8/10/2022 09:00 AM
Trichloroethene	ND		537	µg/m3	500	8/10/2022 09:00 AM
Trichlorofluoromethane	ND		1,400	µg/m3	500	8/10/2022 09:00 AM
Vinyl acetate	ND		1,760	µg/m3	500	8/10/2022 09:00 AM
Vinyl chloride	ND		639	µg/m3	500	8/10/2022 09:00 AM
Surr: Bromofluorobenzene	*102*		*60-140*	*%REC*	500	8/10/2022 09:00 AM

Note:

ALS Laboratory Group
4388 Glendale-Milford Rd
Cincinnati, OH 45242
Ph: 513-733-5336
Fax: 513-733-5347
www.alsglobal.com

TVOC **

Client: Earthcon
Client Sample ID: TWP West Baker Furnace
ALS Sample # 22080667-01a
Method: EPA TO-15

		Estimated Concentration	Units
	TVOC**	62653	PPBV
	TVOC**	220811	ug/m3

**TVOC calculation based on response factor and molecular weight of hexane.
****Results should be considered estimated.

ALS Environmental

Date: 11-Aug-22

Client: EarthCon

Work Order: 22070667

Project: Roswell Station #9; SVE Quarterly Influent Q2 202

QC BATCH REPORT

Batch ID: **R207041** Instrument ID **VMS4** Method: **ETO-15**

MBLK Sample ID: **mblk-R207041** Units: **ppbv** Analysis Date: **8/9/2022 06:19 PM**

Client ID: Run ID: **VMS4_220809A** SeqNo: **2814096** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	0.50								
1,1,2,2-Tetrachloroethane	ND	0.50								
1,1,2-Trichloroethane	ND	0.20								
1,1-Dichloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
1,2,4-Trichlorobenzene	ND	0.50								
1,2,4-Trimethylbenzene	ND	0.50								
1,2-Dibromoethane	ND	0.20								
1,2-Dichlorobenzene	ND	0.50								
1,2-Dichloroethane	ND	0.20								
1,2-Dichloropropane	ND	0.50								
1,3,5-Trimethylbenzene	ND	0.50								
1,3-Butadiene	ND	0.20								
1,3-Dichlorobenzene	ND	0.50								
1,4-Dichlorobenzene	ND	0.20								
1,4-Dioxane	ND	1.0								
2-Butanone	ND	1.0								
2-Hexanone	ND	1.0								
2-Propanol	ND	1.0								
4-Ethyltoluene	ND	0.50								
4-Methyl-2-pentanone	ND	1.0								
Acetone	ND	1.0								
Benzene	ND	0.50								
Benzyl chloride	ND	1.0								
Bromodichloromethane	ND	0.20								
Bromoform	ND	0.50								
Bromomethane	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.50								
Chlorobenzene	ND	0.50								
Chloroethane	ND	0.50								
Chloroform	ND	0.20								
Chloromethane	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
cis-1,3-Dichloropropene	ND	0.50								
Cumene	ND	0.50								
Cyclohexane	ND	0.50								
Dibromochloromethane	ND	0.50								
Dichlorodifluoromethane	ND	0.50								
Ethyl acetate	ND	0.50								
Ethylbenzene	ND	0.50								

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

Client: EarthCon
Work Order: 22070667
Project: Roswell Station #9; SVE Quarterly Influent Q2 202

QC BATCH REPORT

Batch ID: **R207041** Instrument ID **VMS4** Method: **ETO-15**

Freon 113	ND	0.50					
Freon 114	ND	0.50					
Heptane	ND	0.50					
Hexachlorobutadiene	ND	0.20					
Hexane	ND	0.50					
m,p-Xylene	ND	0.50					
Methylene chloride	ND	2.0					
MTBE	ND	0.50					
Naphthalene	ND	0.20					
o-Xylene	ND	0.50					
Propene	ND	0.50					
Styrene	ND	0.50					
Tetrachloroethene	ND	0.50					
Tetrahydrofuran	ND	0.50					
Toluene	ND	0.50					
trans-1,2-Dichloroethene	ND	0.50					
trans-1,3-Dichloropropene	ND	0.50					
Trichloroethene	ND	0.20					
Trichlorofluoromethane	ND	0.50					
Vinyl acetate	ND	1.0					
Vinyl chloride	ND	0.50					
Surr: Bromofluorobenzene	*9.8*	0	*10*	0	*98*	*60-140*	0

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

Client: EarthCon
Work Order: 22070667
Project: Roswell Station #9; SVE Quarterly Influent Q2 202

QC BATCH REPORT

Batch ID: **R207041** Instrument ID **VMS4** Method: **ETO-15**

LCS Sample ID: **lcs-R207041** Units: **ppbv** Analysis Date: **8/9/2022 05:03 PM**
Client ID: Run ID: **VMS4_220809A** SeqNo: **2814095** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	10.62	0.50	10	0	106	58.8-163	0			
1,1,2,2-Tetrachloroethane	9.51	0.50	10	0	95.1	60-140	0			
1,1,2-Trichloroethane	10.24	0.20	10	0	102	60-140	0			
1,1-Dichloroethane	10.31	0.50	10	0	103	60-140	0			
1,1-Dichloroethene	10.29	0.50	10	0	103	60-140	0			
1,2,4-Trichlorobenzene	8.48	0.50	10	0	84.8	49.3-150	0			
1,2,4-Trimethylbenzene	10.14	0.50	10	0	101	50.1-162	0			
1,2-Dibromoethane	10.46	0.20	10	0	105	60-140	0			
1,2-Dichlorobenzene	9.33	0.50	10	0	93.3	41.9-141	0			
1,2-Dichloroethane	10.41	0.20	10	0	104	60-140	0			
1,2-Dichloropropane	9.83	0.50	10	0	98.3	60-140	0			
1,3,5-Trimethylbenzene	9.89	0.50	10	0	98.9	60-140	0			
1,3-Butadiene	8.12	0.20	10	0	81.2	50.6-140	0			
1,3-Dichlorobenzene	9.34	0.50	10	0	93.4	60-140	0			
1,4-Dichlorobenzene	9.07	0.20	10	0	90.7	55.1-145	0			
1,4-Dioxane	9.54	1.0	10	0	95.4	60-140	0			
2-Butanone	11.15	1.0	10	0	112	60-140	0			
2-Hexanone	9.5	1.0	10	0	95	56.2-162	0			
2-Propanol	11.55	1.0	10	0	116	60-140	0			
4-Ethyltoluene	10.1	0.50	10	0	101	60-140	0			
4-Methyl-2-pentanone	9.97	1.0	10	0	99.7	60-140	0			
Acetone	9.35	1.0	10	0	93.5	60-140	0			
Benzene	10.67	0.50	10	0	107	60-140	0			
Benzyl chloride	11.38	1.0	10	0	114	31.9-174	0			
Bromodichloromethane	10.56	0.20	10	0	106	60-140	0			
Bromoform	11.09	0.50	10	0	111	60-140	0			
Bromomethane	7.98	0.50	10	0	79.8	60-140	0			
Carbon disulfide	10.82	0.50	10	0	108	60-140	0			
Carbon tetrachloride	11.35	0.50	10	0	114	60-140	0			
Chlorobenzene	9.25	0.50	10	0	92.5	60-140	0			
Chloroethane	10.66	0.50	10	0	107	60-140	0			
Chloroform	10.31	0.20	10	0	103	60-140	0			
Chloromethane	10.79	0.50	10	0	108	60-140	0			
cis-1,2-Dichloroethene	10.56	0.50	10	0	106	60-140	0			
cis-1,3-Dichloropropene	10.53	0.50	10	0	105	60-140	0			
Cumene	9.64	0.50	10	0	96.4	60-140	0			
Cyclohexane	10.54	0.50	10	0	105	60-140	0			
Dibromochloromethane	10.85	0.50	10	0	108	60-140	0			
Dichlorodifluoromethane	11.09	0.50	10	0	111	60-140	0			
Ethyl acetate	12.2	0.50	10	0	122	60-140	0			
Ethylbenzene	9.76	0.50	10	0	97.6	60-140	0			
Freon 113	10.38	0.50	10	0	104	60-140	0			

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

Client: EarthCon
Work Order: 22070667
Project: Roswell Station #9; SVE Quarterly Influent Q2 202

QC BATCH REPORT

Batch ID: **R207041** Instrument ID **VMS4** Method: **ETO-15**

Freon 114	11.2	0.50	10	0	112	60-140	0
Heptane	10.2	0.50	10	0	102	60-140	0
Hexachlorobutadiene	8.87	0.20	10	0	88.7	60-140	0
Hexane	10.79	0.50	10	0	108	60-140	0
m,p-Xylene	19.72	0.50	20	0	98.6	60-140	0
Methylene chloride	9.73	2.0	10	0	97.3	60-140	0
MTBE	10.66	0.50	10	0	107	60.8-151	0
Naphthalene	7.74	0.20	10	0	77.4	53.1-152	0
o-Xylene	9.87	0.50	10	0	98.7	60-140	0
Propene	10.67	0.50	10	0	107	34.4-139	0
Styrene	10.11	0.50	10	0	101	60-140	0
Tetrachloroethene	9.95	0.50	10	0	99.5	60-140	0
Tetrahydrofuran	10.3	0.50	10	0	103	60-140	0
Toluene	10.51	0.50	10	0	105	60-140	0
trans-1,2-Dichloroethene	10.48	0.50	10	0	105	60-140	0
trans-1,3-Dichloropropene	10.9	0.50	10	0	109	60-140	0
Trichloroethene	10	0.20	10	0	100	60-140	0
Trichlorofluoromethane	10.29	0.50	10	0	103	60-140	0
Vinyl acetate	12.66	1.0	10	0	127	48.4-145	0
Vinyl chloride	8.19	0.50	10	0	81.9	60-140	0
Surr: Bromofluorobenzene	*10.66*	0	*10*	0	*107*	*60-140*	0

The following samples were analyzed in this batch: 22070667-01a

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

ALS Environmental

Date: 11-Aug-22

Client: EarthCon
Project: Roswell Station #9; SVE Quarterly Influent Q2 2022
WorkOrder: **22070667**

QUALIFIERS, ACRONYMS, UNITS

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

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/m3	
ppbv	

ALS Environmental

Sample Receipt Checklist

Client Name: **EARTHCON-MARIETTA** Date/Time Received: **19-Jul-22 15:53**

Work Order: **22070667** Received by: **AB**

Checklist completed by Alec Bolender 19-Jul-22 Reviewed by: Shawn Smythe 20-Jul-22
eSignature Date eSignature Date

Matrices: air
Carrier name: FedEx

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 ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

23-Sep-2022

Sofie Weber-Snapp
EarthCon
188 West Oak Parkway
Suite 106
Marietta, GA 30062

Re: **EarthCon Consultants Tnc./ WSP TWP Roswell Station 9** Work Order: **22090301**

Dear Sofie,

ALS Environmental received 1 sample on 12-Sep-2022 03:00 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 18.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 23-Sep-22

Client: EarthCon
Project: EarthCon Consultants Tnc./ WSP TWP Roswell Station 9
Work Order: **22090301**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
22090301-01	West Baker Furnace	Air		9/7/2022 10:26	9/12/2022 15:00	☐

ALS Environmental

Date: 23-Sep-22

Client: EarthCon
Project: EarthCon Consultants Tnc./ WSP TWP Roswell Station 9
Work Order: 22090301

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

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

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: *23-Sep-22*

Client: EarthCon
Project: EarthCon Consultants Tnc./ WSP TWP Roswell Station **Work Order:** 22090301
Sample ID: West Baker Furnace **Lab ID:** 22090301-01
Collection Date: 9/7/2022 10:26 AM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		250	ppbv	500	9/21/2022 05:02 AM
1,1,2,2-Tetrachloroethane	ND		250	ppbv	500	9/21/2022 05:02 AM
1,1,2-Trichloroethane	ND		100	ppbv	500	9/21/2022 05:02 AM
1,1-Dichloroethane	ND		250	ppbv	500	9/21/2022 05:02 AM
1,1-Dichloroethene	ND		250	ppbv	500	9/21/2022 05:02 AM
1,2,4-Trichlorobenzene	ND		250	ppbv	500	9/21/2022 05:02 AM
1,2,4-Trimethylbenzene	ND		250	ppbv	500	9/21/2022 05:02 AM
1,2-Dibromoethane	ND		100	ppbv	500	9/21/2022 05:02 AM
1,2-Dichlorobenzene	ND		250	ppbv	500	9/21/2022 05:02 AM
1,2-Dichloroethane	ND		100	ppbv	500	9/21/2022 05:02 AM
1,2-Dichloropropane	ND		250	ppbv	500	9/21/2022 05:02 AM
1,3,5-Trimethylbenzene	ND		250	ppbv	500	9/21/2022 05:02 AM
1,3-Butadiene	ND		100	ppbv	500	9/21/2022 05:02 AM
1,3-Dichlorobenzene	ND		250	ppbv	500	9/21/2022 05:02 AM
1,4-Dichlorobenzene	ND		100	ppbv	500	9/21/2022 05:02 AM
1,4-Dioxane	ND		500	ppbv	500	9/21/2022 05:02 AM
2-Butanone	ND		500	ppbv	500	9/21/2022 05:02 AM
2-Hexanone	ND		500	ppbv	500	9/21/2022 05:02 AM
2-Propanol	ND		500	ppbv	500	9/21/2022 05:02 AM
4-Ethyltoluene	ND		250	ppbv	500	9/21/2022 05:02 AM
4-Methyl-2-pentanone	ND		500	ppbv	500	9/21/2022 05:02 AM
Acetone	ND		500	ppbv	500	9/21/2022 05:02 AM
Benzene	**400**		**250**	**ppbv**	500	9/21/2022 05:02 AM
Benzyl chloride	ND		500	ppbv	500	9/21/2022 05:02 AM
Bromodichloromethane	ND		100	ppbv	500	9/21/2022 05:02 AM
Bromoform	ND		250	ppbv	500	9/21/2022 05:02 AM
Bromomethane	ND		250	ppbv	500	9/21/2022 05:02 AM
Carbon disulfide	ND		250	ppbv	500	9/21/2022 05:02 AM
Carbon tetrachloride	ND		250	ppbv	500	9/21/2022 05:02 AM
Chlorobenzene	ND		250	ppbv	500	9/21/2022 05:02 AM
Chloroethane	ND		250	ppbv	500	9/21/2022 05:02 AM
Chloroform	ND		100	ppbv	500	9/21/2022 05:02 AM
Chloromethane	ND		250	ppbv	500	9/21/2022 05:02 AM
cis-1,2-Dichloroethene	ND		250	ppbv	500	9/21/2022 05:02 AM
cis-1,3-Dichloropropene	ND		250	ppbv	500	9/21/2022 05:02 AM
Cumene	ND		250	ppbv	500	9/21/2022 05:02 AM
Cyclohexane	**8,800**		**250**	**ppbv**	500	9/21/2022 05:02 AM
Dibromochloromethane	ND		250	ppbv	500	9/21/2022 05:02 AM
Dichlorodifluoromethane	ND		250	ppbv	500	9/21/2022 05:02 AM

Note:

ALS Environmental

Date: *23-Sep-22*

Client: EarthCon
Project: EarthCon Consultants Tnc./ WSP TWP Roswell Station **Work Order:** 22090301
Sample ID: West Baker Furnace **Lab ID:** 22090301-01
Collection Date: 9/7/2022 10:26 AM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		250	ppbv	500	9/21/2022 05:02 AM
Ethylbenzene	ND		250	ppbv	500	9/21/2022 05:02 AM
Freon 113	ND		250	ppbv	500	9/21/2022 05:02 AM
Freon 114	ND		250	ppbv	500	9/21/2022 05:02 AM
Heptane	**8,300**		**250**	**ppbv**	500	9/21/2022 05:02 AM
Hexachlorobutadiene	ND		100	ppbv	500	9/21/2022 05:02 AM
Hexane	**9,200**		**2,500**	**ppbv**	5000	9/21/2022 04:16 AM
m,p-Xylene	**520**		**250**	**ppbv**	500	9/21/2022 05:02 AM
Methylene chloride	ND		1,000	ppbv	500	9/21/2022 05:02 AM
MTBE	ND		250	ppbv	500	9/21/2022 05:02 AM
Naphthalene	ND		100	ppbv	500	9/21/2022 05:02 AM
o-Xylene	ND		250	ppbv	500	9/21/2022 05:02 AM
Propene	ND		250	ppbv	500	9/21/2022 05:02 AM
Styrene	ND		250	ppbv	500	9/21/2022 05:02 AM
Tetrachloroethene	ND		250	ppbv	500	9/21/2022 05:02 AM
Tetrahydrofuran	ND		250	ppbv	500	9/21/2022 05:02 AM
Toluene	**640**		**250**	**ppbv**	500	9/21/2022 05:02 AM
trans-1,2-Dichloroethene	ND		250	ppbv	500	9/21/2022 05:02 AM
trans-1,3-Dichloropropene	ND		250	ppbv	500	9/21/2022 05:02 AM
Trichloroethene	ND		100	ppbv	500	9/21/2022 05:02 AM
Trichlorofluoromethane	ND		250	ppbv	500	9/21/2022 05:02 AM
Vinyl acetate	ND		500	ppbv	500	9/21/2022 05:02 AM
Vinyl chloride	ND		250	ppbv	500	9/21/2022 05:02 AM
Surr: Bromofluorobenzene	*102*		*60-140*	*%REC*	500	9/21/2022 05:02 AM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		1,360	µg/m3	500	9/21/2022 05:02 AM
1,1,2,2-Tetrachloroethane	ND		1,720	µg/m3	500	9/21/2022 05:02 AM
1,1,2-Trichloroethane	ND		546	µg/m3	500	9/21/2022 05:02 AM
1,1-Dichloroethane	ND		1,010	µg/m3	500	9/21/2022 05:02 AM
1,1-Dichloroethene	ND		991	µg/m3	500	9/21/2022 05:02 AM
1,2,4-Trichlorobenzene	ND		1,860	µg/m3	500	9/21/2022 05:02 AM
1,2,4-Trimethylbenzene	ND		1,230	µg/m3	500	9/21/2022 05:02 AM
1,2-Dibromoethane	ND		768	µg/m3	500	9/21/2022 05:02 AM
1,2-Dichlorobenzene	ND		1,500	µg/m3	500	9/21/2022 05:02 AM
1,2-Dichloroethane	ND		405	µg/m3	500	9/21/2022 05:02 AM
1,2-Dichloropropane	ND		1,160	µg/m3	500	9/21/2022 05:02 AM
1,3,5-Trimethylbenzene	ND		1,230	µg/m3	500	9/21/2022 05:02 AM
1,3-Butadiene	ND		221	µg/m3	500	9/21/2022 05:02 AM
1,3-Dichlorobenzene	ND		1,500	µg/m3	500	9/21/2022 05:02 AM
1,4-Dichlorobenzene	ND		601	µg/m3	500	9/21/2022 05:02 AM

Note:

ALS Environmental

Date: *23-Sep-22*

Client: EarthCon

Project: EarthCon Consultants Tnc./ WSP TWP Roswell Station **Work Order:** 22090301

Sample ID: West Baker Furnace **Lab ID:** 22090301-01

Collection Date: 9/7/2022 10:26 AM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		1,800	µg/m3	500	9/21/2022 05:02 AM
2-Butanone	ND		1,470	µg/m3	500	9/21/2022 05:02 AM
2-Hexanone	ND		2,050	µg/m3	500	9/21/2022 05:02 AM
2-Propanol	ND		1,230	µg/m3	500	9/21/2022 05:02 AM
4-Ethyltoluene	ND		1,230	µg/m3	500	9/21/2022 05:02 AM
4-Methyl-2-pentanone	ND		2,050	µg/m3	500	9/21/2022 05:02 AM
Acetone	ND		1,190	µg/m3	500	9/21/2022 05:02 AM
Benzene	**1,280**		**799**	**µg/m3**	500	9/21/2022 05:02 AM
Benzyl chloride	ND		2,590	µg/m3	500	9/21/2022 05:02 AM
Bromodichloromethane	ND		670	µg/m3	500	9/21/2022 05:02 AM
Bromoform	ND		2,580	µg/m3	500	9/21/2022 05:02 AM
Bromomethane	ND		971	µg/m3	500	9/21/2022 05:02 AM
Carbon disulfide	ND		778	µg/m3	500	9/21/2022 05:02 AM
Carbon tetrachloride	ND		1,570	µg/m3	500	9/21/2022 05:02 AM
Chlorobenzene	ND		1,150	µg/m3	500	9/21/2022 05:02 AM
Chloroethane	ND		660	µg/m3	500	9/21/2022 05:02 AM
Chloroform	ND		488	µg/m3	500	9/21/2022 05:02 AM
Chloromethane	ND		516	µg/m3	500	9/21/2022 05:02 AM
cis-1,2-Dichloroethene	ND		991	µg/m3	500	9/21/2022 05:02 AM
cis-1,3-Dichloropropene	ND		1,130	µg/m3	500	9/21/2022 05:02 AM
Cumene	ND		1,230	µg/m3	500	9/21/2022 05:02 AM
Cyclohexane	**30,300**		**861**	**µg/m3**	500	9/21/2022 05:02 AM
Dibromochloromethane	ND		2,130	µg/m3	500	9/21/2022 05:02 AM
Dichlorodifluoromethane	ND		1,240	µg/m3	500	9/21/2022 05:02 AM
Ethyl acetate	ND		901	µg/m3	500	9/21/2022 05:02 AM
Ethylbenzene	ND		1,090	µg/m3	500	9/21/2022 05:02 AM
Freon 113	ND		1,920	µg/m3	500	9/21/2022 05:02 AM
Freon 114	ND		1,750	µg/m3	500	9/21/2022 05:02 AM
Heptane	**34,100**		**1,020**	**µg/m3**	500	9/21/2022 05:02 AM
Hexachlorobutadiene	ND		1,070	µg/m3	500	9/21/2022 05:02 AM
Hexane	**32,400**		**8,810**	**µg/m3**	5000	9/21/2022 04:16 AM
m,p-Xylene	**2,260**		**1,090**	**µg/m3**	500	9/21/2022 05:02 AM
Methylene chloride	ND		3,500	µg/m3	500	9/21/2022 05:02 AM
MTBE	ND		901	µg/m3	500	9/21/2022 05:02 AM
Naphthalene	ND		524	µg/m3	500	9/21/2022 05:02 AM
o-Xylene	ND		1,090	µg/m3	500	9/21/2022 05:02 AM
Propene	ND		430	µg/m3	500	9/21/2022 05:02 AM
Styrene	ND		1,060	µg/m3	500	9/21/2022 05:02 AM
Tetrachloroethene	ND		1,700	µg/m3	500	9/21/2022 05:02 AM
Tetrahydrofuran	ND		737	µg/m3	500	9/21/2022 05:02 AM

Note:

ALS Environmental

Date: *23-Sep-22*

Client: EarthCon
Project: EarthCon Consultants Tnc./ WSP TWP Roswell Station **Work Order:** 22090301
Sample ID: West Baker Furnace **Lab ID:** 22090301-01
Collection Date: 9/7/2022 10:26 AM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	**2,410**		**942**	**µg/m3**	500	9/21/2022 05:02 AM
trans-1,2-Dichloroethene	ND		991	µg/m3	500	9/21/2022 05:02 AM
trans-1,3-Dichloropropene	ND		1,130	µg/m3	500	9/21/2022 05:02 AM
Trichloroethene	ND		537	µg/m3	500	9/21/2022 05:02 AM
Trichlorofluoromethane	ND		1,400	µg/m3	500	9/21/2022 05:02 AM
Vinyl acetate	ND		1,760	µg/m3	500	9/21/2022 05:02 AM
Vinyl chloride	ND		639	µg/m3	500	9/21/2022 05:02 AM
Surr: Bromofluorobenzene	*102*		*60-140*	*%REC*	500	9/21/2022 05:02 AM

Note:

ALS Laboratory Group
4388 Glendale-Milford Rd
Cincinnati, OH 45242
Ph: 513-733-5336
Fax: 513-733-5347
www.alsglobal.com

TVOC **

Client: Earthcon
Client Sample ID: West Baker Furnace
ALS Sample # 22090301-01a
Method: EPA TO-15

		Estimated Concentration	Units
	TVOC**	77953	PPBV
	TVOC**	274733	ug/m3

**TVOC calculation based on response factor and molecular weight of hexane.
****Results should be considered estimated.

ALS Environmental

Date: 23-Sep-22

Client: EarthCon

Work Order: 22090301

Project: EarthCon Consultants Tnc./ WSP TWP Roswell Sta

QC BATCH REPORT

Batch ID: **R208302** Instrument ID **VMS4** Method: **ETO-15**

MBLK Sample ID: **mblk-R208302** Units: **ppbv** Analysis Date: **9/20/2022 03:49 PM**

Client ID: Run ID: **VMS4_220920A** SeqNo: **2852616** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	0.50								
1,1,2,2-Tetrachloroethane	ND	0.50								
1,1,2-Trichloroethane	ND	0.20								
1,1-Dichloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
1,2,4-Trichlorobenzene	ND	0.50								
1,2,4-Trimethylbenzene	ND	0.50								
1,2-Dibromoethane	ND	0.20								
1,2-Dichlorobenzene	ND	0.50								
1,2-Dichloroethane	ND	0.20								
1,2-Dichloropropane	ND	0.50								
1,3,5-Trimethylbenzene	ND	0.50								
1,3-Butadiene	ND	0.20								
1,3-Dichlorobenzene	ND	0.50								
1,4-Dichlorobenzene	ND	0.20								
1,4-Dioxane	ND	1.0								
2-Butanone	ND	1.0								
2-Hexanone	ND	1.0								
2-Propanol	ND	1.0								
4-Ethyltoluene	ND	0.50								
4-Methyl-2-pentanone	ND	1.0								
Acetone	ND	1.0								
Benzene	ND	0.50								
Benzyl chloride	ND	1.0								
Bromodichloromethane	ND	0.20								
Bromoform	ND	0.50								
Bromomethane	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.50								
Chlorobenzene	ND	0.50								
Chloroethane	ND	0.50								
Chloroform	ND	0.20								
Chloromethane	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
cis-1,3-Dichloropropene	ND	0.50								
Cumene	ND	0.50								
Cyclohexane	ND	0.50								
Dibromochloromethane	ND	0.50								
Dichlorodifluoromethane	ND	0.50								
Ethyl acetate	ND	0.50								
Ethylbenzene	ND	0.50								

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

Client: EarthCon
Work Order: 22090301
Project: EarthCon Consultants Tnc./ WSP TWP Roswell Sta

QC BATCH REPORT

Batch ID: **R208302** Instrument ID **VMS4** Method: **ETO-15**

Freon 113	ND	0.50					
Freon 114	ND	0.50					
Heptane	ND	0.50					
Hexachlorobutadiene	ND	0.20					
Hexane	ND	0.50					
m,p-Xylene	ND	0.50					
Methylene chloride	ND	2.0					
MTBE	ND	0.50					
Naphthalene	ND	0.20					
o-Xylene	ND	0.50					
Propene	ND	0.50					
Styrene	ND	0.50					
Tetrachloroethene	ND	0.50					
Tetrahydrofuran	ND	0.50					
Toluene	ND	0.50					
trans-1,2-Dichloroethene	ND	0.50					
trans-1,3-Dichloropropene	ND	0.50					
Trichloroethene	ND	0.20					
Trichlorofluoromethane	ND	0.50					
Vinyl acetate	ND	1.0					
Vinyl chloride	ND	0.50					
Surr: Bromofluorobenzene	*9.4*	0	*10*	0	*94*	*60-140*	0

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

Client: EarthCon
Work Order: 22090301
Project: EarthCon Consultants Tnc./ WSP TWP Roswell Sta

QC BATCH REPORT

Batch ID: **R208302** Instrument ID **VMS4** Method: **ETO-15**

MBLK Sample ID: **mblk-R208302** Units: **ppbv** Analysis Date: **9/21/2022 06:34 AM**
Client ID: Run ID: **VMS4_220920A** SeqNo: **2852634** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	0.50								
1,1,2,2-Tetrachloroethane	ND	0.50								
1,1,2-Trichloroethane	ND	0.20								
1,1-Dichloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
1,2,4-Trichlorobenzene	ND	0.50								
1,2,4-Trimethylbenzene	ND	0.50								
1,2-Dibromoethane	ND	0.20								
1,2-Dichlorobenzene	ND	0.50								
1,2-Dichloroethane	ND	0.20								
1,2-Dichloropropane	ND	0.50								
1,3,5-Trimethylbenzene	ND	0.50								
1,3-Butadiene	ND	0.20								
1,3-Dichlorobenzene	ND	0.50								
1,4-Dichlorobenzene	ND	0.20								
1,4-Dioxane	ND	1.0								
2-Butanone	ND	1.0								
2-Hexanone	ND	1.0								
2-Propanol	ND	1.0								
4-Ethyltoluene	ND	0.50								
4-Methyl-2-pentanone	ND	1.0								
Acetone	ND	1.0								
Benzene	ND	0.50								
Benzyl chloride	ND	1.0								
Bromodichloromethane	ND	0.20								
Bromoform	ND	0.50								
Bromomethane	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.50								
Chlorobenzene	ND	0.50								
Chloroethane	ND	0.50								
Chloroform	ND	0.20								
Chloromethane	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
cis-1,3-Dichloropropene	ND	0.50								
Cumene	ND	0.50								
Cyclohexane	ND	0.50								
Dibromochloromethane	ND	0.50								
Dichlorodifluoromethane	ND	0.50								
Ethyl acetate	ND	0.50								
Ethylbenzene	ND	0.50								
Freon 113	ND	0.50								

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

Client: EarthCon
Work Order: 22090301
Project: EarthCon Consultants Tnc./ WSP TWP Roswell Sta

QC BATCH REPORT

Batch ID: **R208302** Instrument ID **VMS4** Method: **ETO-15**

Freon 114	ND	0.50						
Heptane	ND	0.50						
Hexachlorobutadiene	ND	0.20						
Hexane	ND	0.50						
m,p-Xylene	ND	0.50						
Methylene chloride	ND	2.0						
MTBE	ND	0.50						
Naphthalene	ND	0.20						
o-Xylene	ND	0.50						
Propene	ND	0.50						
Styrene	ND	0.50						
Tetrachloroethene	ND	0.50						
Tetrahydrofuran	ND	0.50						
Toluene	ND	0.50						
trans-1,2-Dichloroethene	ND	0.50						
trans-1,3-Dichloropropene	ND	0.50						
Trichloroethene	ND	0.20						
Trichlorofluoromethane	ND	0.50						
Vinyl acetate	ND	1.0						
Vinyl chloride	ND	0.50						
Surr: Bromofluorobenzene	*9.46*	0	*10*	0	*94.6*	*60-140*	0	

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

Client: EarthCon
Work Order: 22090301
Project: EarthCon Consultants Tnc./ WSP TWP Roswell Sta

QC BATCH REPORT

Batch ID: **R208302** Instrument ID **VMS4** Method: **ETO-15**

MBLK Sample ID: **mblk-R208302** Units: **µg/m3** Analysis Date: **9/21/2022 06:34 AM**
Client ID: Run ID: **VMS4_220920A** SeqNo: **2852785** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	2.7								
1,1,2,2-Tetrachloroethane	ND	3.4								
1,1,2-Trichloroethane	ND	1.1								
1,1-Dichloroethane	ND	2.0								
1,1-Dichloroethene	ND	2.0								
1,2,4-Trichlorobenzene	ND	3.7								
1,2,4-Trimethylbenzene	ND	2.5								
1,2-Dibromoethane	ND	1.5								
1,2-Dichlorobenzene	ND	3.0								
1,2-Dichloroethane	ND	0.81								
1,2-Dichloropropane	ND	2.3								
1,3,5-Trimethylbenzene	ND	2.5								
1,3-Butadiene	ND	0.44								
1,3-Dichlorobenzene	ND	3.0								
1,4-Dichlorobenzene	ND	1.2								
1,4-Dioxane	ND	3.6								
2-Butanone	ND	3.0								
2-Hexanone	ND	4.1								
2-Propanol	ND	2.5								
4-Ethyltoluene	ND	2.5								
4-Methyl-2-pentanone	ND	4.1								
Acetone	ND	2.4								
Benzene	ND	1.6								
Benzyl chloride	ND	5.2								
Bromodichloromethane	ND	1.3								
Bromoform	ND	5.2								
Bromomethane	ND	1.9								
Carbon disulfide	ND	1.6								
Carbon tetrachloride	ND	3.2								
Chlorobenzene	ND	2.3								
Chloroethane	ND	1.3								
Chloroform	ND	0.98								
Chloromethane	ND	1.0								
cis-1,2-Dichloroethene	ND	2.0								
cis-1,3-Dichloropropene	ND	2.3								
Cumene	ND	2.5								
Cyclohexane	ND	1.7								
Dibromochloromethane	ND	4.3								
Dichlorodifluoromethane	ND	2.5								
Ethyl acetate	ND	1.8								
Ethylbenzene	ND	2.2								
Freon 113	ND	3.8								

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

Client: EarthCon
Work Order: 22090301
Project: EarthCon Consultants Tnc./ WSP TWP Roswell Sta

QC BATCH REPORT

Batch ID: **R208302** Instrument ID **VMS4** Method: **ETO-15**

Freon 114	ND	3.5
Heptane	ND	2.0
Hexachlorobutadiene	ND	2.1
Hexane	ND	1.8
m,p-Xylene	ND	2.2
Methylene chloride	ND	7.0
MTBE	ND	1.8
Naphthalene	ND	1.0
o-Xylene	ND	2.2
Propene	ND	0.86
Styrene	ND	2.1
Tetrachloroethene	ND	3.4
Tetrahydrofuran	ND	1.5
Toluene	ND	1.9
trans-1,2-Dichloroethene	ND	2.0
trans-1,3-Dichloropropene	ND	2.3
Trichloroethene	ND	1.1
Trichlorofluoromethane	ND	2.8
Vinyl acetate	ND	3.5
Vinyl chloride	ND	1.3
Surr: Bromofluorobenzene	*9.46*	0

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

Client: EarthCon
Work Order: 22090301
Project: EarthCon Consultants Tnc./ WSP TWP Roswell Sta

QC BATCH REPORT

Batch ID: **R208302** Instrument ID **VMS4** Method: **ETO-15**

LCS Sample ID: **lcs-R208302** Units: **ppbv** Analysis Date: **9/20/2022 12:46 PM**
Client ID: Run ID: **VMS4_220920A** SeqNo: **2852614** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	8.62	0.50	10	0	86.2	58.8-163	0			
1,1,2,2-Tetrachloroethane	7.89	0.50	10	0	78.9	60-140	0			
1,1,2-Trichloroethane	8.46	0.20	10	0	84.6	60-140	0			
1,1-Dichloroethane	8.05	0.50	10	0	80.5	60-140	0			
1,1-Dichloroethene	8.26	0.50	10	0	82.6	60-140	0			
1,2,4-Trichlorobenzene	8.77	0.50	10	0	87.7	49.3-150	0			
1,2,4-Trimethylbenzene	9.4	0.50	10	0	94	50.1-162	0			
1,2-Dibromoethane	8.68	0.20	10	0	86.8	60-140	0			
1,2-Dichlorobenzene	8.79	0.50	10	0	87.9	41.9-141	0			
1,2-Dichloroethane	8.17	0.20	10	0	81.7	60-140	0			
1,2-Dichloropropane	8.15	0.50	10	0	81.5	60-140	0			
1,3,5-Trimethylbenzene	8.85	0.50	10	0	88.5	60-140	0			
1,3-Butadiene	6.32	0.20	10	0	63.2	50.6-140	0			
1,3-Dichlorobenzene	8.77	0.50	10	0	87.7	60-140	0			
1,4-Dichlorobenzene	8.72	0.20	10	0	87.2	55.1-145	0			
1,4-Dioxane	8.74	1.0	10	0	87.4	60-140	0			
2-Butanone	8.91	1.0	10	0	89.1	60-140	0			
2-Hexanone	8.62	1.0	10	0	86.2	56.2-162	0			
2-Propanol	8.35	1.0	10	0	83.5	60-140	0			
4-Ethyltoluene	9.33	0.50	10	0	93.3	60-140	0			
4-Methyl-2-pentanone	8.41	1.0	10	0	84.1	60-140	0			
Acetone	7.07	1.0	10	0	70.7	60-140	0			
Benzene	8.23	0.50	10	0	82.3	60-140	0			
Benzyl chloride	9.13	1.0	10	0	91.3	31.9-174	0			
Bromodichloromethane	8.59	0.20	10	0	85.9	60-140	0			
Bromoform	9.17	0.50	10	0	91.7	60-140	0			
Bromomethane	7.07	0.50	10	0	70.7	60-140	0			
Carbon disulfide	8.12	0.50	10	0	81.2	60-140	0			
Carbon tetrachloride	8.9	0.50	10	0	89	60-140	0			
Chlorobenzene	8.2	0.50	10	0	82	60-140	0			
Chloroethane	7.56	0.50	10	0	75.6	60-140	0			
Chloroform	8.32	0.20	10	0	83.2	60-140	0			
Chloromethane	7.08	0.50	10	0	70.8	60-140	0			
cis-1,2-Dichloroethene	8.47	0.50	10	0	84.7	60-140	0			
cis-1,3-Dichloropropene	9	0.50	10	0	90	60-140	0			
Cumene	8.85	0.50	10	0	88.5	60-140	0			
Cyclohexane	8.73	0.50	10	0	87.3	60-140	0			
Dibromochloromethane	9.16	0.50	10	0	91.6	60-140	0			
Dichlorodifluoromethane	8.16	0.50	10	0	81.6	60-140	0			
Ethyl acetate	8.41	0.50	10	0	84.1	60-140	0			
Ethylbenzene	8.62	0.50	10	0	86.2	60-140	0			
Freon 113	8.31	0.50	10	0	83.1	60-140	0			

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

Client: EarthCon
Work Order: 22090301
Project: EarthCon Consultants Tnc./ WSP TWP Roswell Sta

QC BATCH REPORT

Batch ID: **R208302** Instrument ID **VMS4** Method: **ETO-15**

Freon 114	8.06	0.50	10	0	80.6	60-140	0
Heptane	8.11	0.50	10	0	81.1	60-140	0
Hexachlorobutadiene	8.89	0.20	10	0	88.9	60-140	0
Hexane	8.36	0.50	10	0	83.6	60-140	0
m,p-Xylene	17.28	0.50	20	0	86.4	60-140	0
Methylene chloride	7.17	2.0	10	0	71.7	60-140	0
MTBE	9	0.50	10	0	90	60.8-151	0
Naphthalene	8.25	0.20	10	0	82.5	53.1-152	0
o-Xylene	8.81	0.50	10	0	88.1	60-140	0
Propene	6.13	0.50	10	0	61.3	34.4-139	0
Styrene	8.92	0.50	10	0	89.2	60-140	0
Tetrachloroethene	8.78	0.50	10	0	87.8	60-140	0
Tetrahydrofuran	8.04	0.50	10	0	80.4	60-140	0
Toluene	8.78	0.50	10	0	87.8	60-140	0
trans-1,2-Dichloroethene	8.38	0.50	10	0	83.8	60-140	0
trans-1,3-Dichloropropene	8.76	0.50	10	0	87.6	60-140	0
Trichloroethene	8.61	0.20	10	0	86.1	60-140	0
Trichlorofluoromethane	8.48	0.50	10	0	84.8	60-140	0
Vinyl acetate	8.67	1.0	10	0	86.7	48.4-145	0
Vinyl chloride	6.31	0.50	10	0	63.1	60-140	0
Surr: Bromofluorobenzene	*10.16*	0	*10*	0	*102*	*60-140*	0

The following samples were analyzed in this batch: 22090301-01a

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

ALS Environmental

Date: 23-Sep-22

Client: EarthCon
Project: EarthCon Consultants Tnc./ WSP TWP Roswell Station
WorkOrder: **22090301**

QUALIFIERS, ACRONYMS, UNITS

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

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/m3	
ppbv	

ALS Environmental

Sample Receipt Checklist

Client Name: **EARTHCON-MARIETTA** Date/Time Received: **12-Sep-22 15:00**

Work Order: **22090301** Received by: **MB**

Checklist completed by Madison Bufler 12-Sep-22 Reviewed by: Shawn Smythe 13-Sep-22
eSignature Date eSignature Date

Matrices: Air
Carrier name: FedEx

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 ☐	
Container/Temp Blank temperature in compliance?	Yes ☐	No ☑	
Sample(s) received on ice?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	9/12/2022 16:51		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

31-Jan-2023

Sofie Weber-Snapp
EarthCon
188 West Oak Parkway
Suite 106
Marietta, GA 30062

Re: **TWP Rosewell Station 9; SVE Quarterly Sampling Q4/2022** Work Order: **23010557**

Dear Sofie,

ALS Environmental received 1 sample on 19-Jan-2023 11:02 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 14.

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

Sincerely,

Shawn Smythe

Electronically approved by: Hannah Ponder

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 31-Jan-23

Client: EarthCon
Project: TWP Rosewell Station 9; SVE Quarterly Sampling Q4/2022
Work Order: **23010557**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
23010557-01	West Baker Furnace	Air		1/16/2023 10:21	1/19/2023 11:02	☐

ALS Environmental

Date: 31-Jan-23

Client: EarthCon
Project: TWP Rosewell Station 9; SVE Quarterly Sampling Q4/202
Work Order: 23010557

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

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

ALS Environmental

Date: *31-Jan-23*

Client: EarthCon
Project: TWP Rosewell Station 9; SVE Quarterly Sampling Q4/ **Work Order:** 23010557
Sample ID: West Baker Furnace **Lab ID:** 23010557-01
Collection Date: 1/16/2023 10:21 AM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		250	ppbv	500	1/25/2023 10:07 AM
1,1,2,2-Tetrachloroethane	ND		250	ppbv	500	1/25/2023 10:07 AM
1,1,2-Trichloroethane	ND		100	ppbv	500	1/25/2023 10:07 AM
1,1-Dichloroethane	ND		250	ppbv	500	1/25/2023 10:07 AM
1,1-Dichloroethene	ND		250	ppbv	500	1/25/2023 10:07 AM
1,2,4-Trichlorobenzene	ND		250	ppbv	500	1/25/2023 10:07 AM
1,2,4-Trimethylbenzene	ND		250	ppbv	500	1/25/2023 10:07 AM
1,2-Dibromoethane	ND		100	ppbv	500	1/25/2023 10:07 AM
1,2-Dichlorobenzene	ND		250	ppbv	500	1/25/2023 10:07 AM
1,2-Dichloroethane	ND		100	ppbv	500	1/25/2023 10:07 AM
1,2-Dichloropropane	ND		250	ppbv	500	1/25/2023 10:07 AM
1,3,5-Trimethylbenzene	ND		250	ppbv	500	1/25/2023 10:07 AM
1,3-Butadiene	ND		100	ppbv	500	1/25/2023 10:07 AM
1,3-Dichlorobenzene	ND		250	ppbv	500	1/25/2023 10:07 AM
1,4-Dichlorobenzene	ND		100	ppbv	500	1/25/2023 10:07 AM
1,4-Dioxane	ND		500	ppbv	500	1/25/2023 10:07 AM
2-Butanone	ND		500	ppbv	500	1/25/2023 10:07 AM
2-Hexanone	ND		500	ppbv	500	1/25/2023 10:07 AM
2-Propanol	ND		500	ppbv	500	1/25/2023 10:07 AM
4-Ethyltoluene	ND		250	ppbv	500	1/25/2023 10:07 AM
4-Methyl-2-pentanone	ND		500	ppbv	500	1/25/2023 10:07 AM
Acetone	ND		500	ppbv	500	1/25/2023 10:07 AM
Benzene	ND		250	ppbv	500	1/25/2023 10:07 AM
Benzyl chloride	ND		500	ppbv	500	1/25/2023 10:07 AM
Bromodichloromethane	ND		100	ppbv	500	1/25/2023 10:07 AM
Bromoform	ND		250	ppbv	500	1/25/2023 10:07 AM
Bromomethane	ND		250	ppbv	500	1/25/2023 10:07 AM
Carbon disulfide	ND		250	ppbv	500	1/25/2023 10:07 AM
Carbon tetrachloride	ND		250	ppbv	500	1/25/2023 10:07 AM
Chlorobenzene	ND		250	ppbv	500	1/25/2023 10:07 AM
Chloroethane	ND		250	ppbv	500	1/25/2023 10:07 AM
Chloroform	ND		100	ppbv	500	1/25/2023 10:07 AM
Chloromethane	ND		250	ppbv	500	1/25/2023 10:07 AM
cis-1,2-Dichloroethene	ND		250	ppbv	500	1/25/2023 10:07 AM
cis-1,3-Dichloropropene	ND		250	ppbv	500	1/25/2023 10:07 AM
Cumene	ND		250	ppbv	500	1/25/2023 10:07 AM
Cyclohexane	**2,500**		**250**	**ppbv**	500	1/25/2023 10:07 AM
Dibromochloromethane	ND		250	ppbv	500	1/25/2023 10:07 AM
Dichlorodifluoromethane	ND		250	ppbv	500	1/25/2023 10:07 AM

Note:

ALS Environmental

Date: *31-Jan-23*

Client: EarthCon
Project: TWP Rosewell Station 9; SVE Quarterly Sampling Q4/ **Work Order:** 23010557
Sample ID: West Baker Furnace **Lab ID:** 23010557-01
Collection Date: 1/16/2023 10:21 AM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		250	ppbv	500	1/25/2023 10:07 AM
Ethylbenzene	ND		250	ppbv	500	1/25/2023 10:07 AM
Freon 113	ND		250	ppbv	500	1/25/2023 10:07 AM
Freon 114	ND		250	ppbv	500	1/25/2023 10:07 AM
Heptane	**1,800**		**250**	**ppbv**	500	1/25/2023 10:07 AM
Hexachlorobutadiene	ND		100	ppbv	500	1/25/2023 10:07 AM
Hexane	**3,500**		**250**	**ppbv**	500	1/25/2023 10:07 AM
m,p-Xylene	ND		250	ppbv	500	1/25/2023 10:07 AM
Methylene chloride	ND		1,000	ppbv	500	1/25/2023 10:07 AM
MTBE	ND		250	ppbv	500	1/25/2023 10:07 AM
Naphthalene	ND		100	ppbv	500	1/25/2023 10:07 AM
o-Xylene	ND		250	ppbv	500	1/25/2023 10:07 AM
Propene	ND		250	ppbv	500	1/25/2023 10:07 AM
Styrene	ND		250	ppbv	500	1/25/2023 10:07 AM
Tetrachloroethene	ND		250	ppbv	500	1/25/2023 10:07 AM
Tetrahydrofuran	ND		250	ppbv	500	1/25/2023 10:07 AM
Toluene	ND		250	ppbv	500	1/25/2023 10:07 AM
trans-1,2-Dichloroethene	ND		250	ppbv	500	1/25/2023 10:07 AM
trans-1,3-Dichloropropene	ND		250	ppbv	500	1/25/2023 10:07 AM
Trichloroethene	ND		100	ppbv	500	1/25/2023 10:07 AM
Trichlorofluoromethane	ND		250	ppbv	500	1/25/2023 10:07 AM
Vinyl acetate	ND		500	ppbv	500	1/25/2023 10:07 AM
Vinyl chloride	ND		250	ppbv	500	1/25/2023 10:07 AM
Surr: Bromofluorobenzene	*86.0*		*60-140*	*%REC*	500	1/25/2023 10:07 AM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		1,360	µg/m3	500	1/25/2023 10:07 AM
1,1,2,2-Tetrachloroethane	ND		1,720	µg/m3	500	1/25/2023 10:07 AM
1,1,2-Trichloroethane	ND		546	µg/m3	500	1/25/2023 10:07 AM
1,1-Dichloroethane	ND		1,010	µg/m3	500	1/25/2023 10:07 AM
1,1-Dichloroethene	ND		991	µg/m3	500	1/25/2023 10:07 AM
1,2,4-Trichlorobenzene	ND		1,860	µg/m3	500	1/25/2023 10:07 AM
1,2,4-Trimethylbenzene	ND		1,230	µg/m3	500	1/25/2023 10:07 AM
1,2-Dibromoethane	ND		768	µg/m3	500	1/25/2023 10:07 AM
1,2-Dichlorobenzene	ND		1,500	µg/m3	500	1/25/2023 10:07 AM
1,2-Dichloroethane	ND		405	µg/m3	500	1/25/2023 10:07 AM
1,2-Dichloropropane	ND		1,160	µg/m3	500	1/25/2023 10:07 AM
1,3,5-Trimethylbenzene	ND		1,230	µg/m3	500	1/25/2023 10:07 AM
1,3-Butadiene	ND		221	µg/m3	500	1/25/2023 10:07 AM
1,3-Dichlorobenzene	ND		1,500	µg/m3	500	1/25/2023 10:07 AM
1,4-Dichlorobenzene	ND		601	µg/m3	500	1/25/2023 10:07 AM

Note:

ALS Environmental

Date: *31-Jan-23*

Client: EarthCon
Project: TWP Rosewell Station 9; SVE Quarterly Sampling Q4/ **Work Order:** 23010557
Sample ID: West Baker Furnace **Lab ID:** 23010557-01
Collection Date: 1/16/2023 10:21 AM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		1,800	µg/m3	500	1/25/2023 10:07 AM
2-Butanone	ND		1,470	µg/m3	500	1/25/2023 10:07 AM
2-Hexanone	ND		2,050	µg/m3	500	1/25/2023 10:07 AM
2-Propanol	ND		1,230	µg/m3	500	1/25/2023 10:07 AM
4-Ethyltoluene	ND		1,230	µg/m3	500	1/25/2023 10:07 AM
4-Methyl-2-pentanone	ND		2,050	µg/m3	500	1/25/2023 10:07 AM
Acetone	ND		1,190	µg/m3	500	1/25/2023 10:07 AM
Benzene	ND		799	µg/m3	500	1/25/2023 10:07 AM
Benzyl chloride	ND		2,590	µg/m3	500	1/25/2023 10:07 AM
Bromodichloromethane	ND		670	µg/m3	500	1/25/2023 10:07 AM
Bromoform	ND		2,580	µg/m3	500	1/25/2023 10:07 AM
Bromomethane	ND		971	µg/m3	500	1/25/2023 10:07 AM
Carbon disulfide	ND		778	µg/m3	500	1/25/2023 10:07 AM
Carbon tetrachloride	ND		1,570	µg/m3	500	1/25/2023 10:07 AM
Chlorobenzene	ND		1,150	µg/m3	500	1/25/2023 10:07 AM
Chloroethane	ND		660	µg/m3	500	1/25/2023 10:07 AM
Chloroform	ND		488	µg/m3	500	1/25/2023 10:07 AM
Chloromethane	ND		516	µg/m3	500	1/25/2023 10:07 AM
cis-1,2-Dichloroethene	ND		991	µg/m3	500	1/25/2023 10:07 AM
cis-1,3-Dichloropropene	ND		1,130	µg/m3	500	1/25/2023 10:07 AM
Cumene	ND		1,230	µg/m3	500	1/25/2023 10:07 AM
Cyclohexane	**8,760**		**861**	**µg/m3**	500	1/25/2023 10:07 AM
Dibromochloromethane	ND		2,130	µg/m3	500	1/25/2023 10:07 AM
Dichlorodifluoromethane	ND		1,240	µg/m3	500	1/25/2023 10:07 AM
Ethyl acetate	ND		901	µg/m3	500	1/25/2023 10:07 AM
Ethylbenzene	ND		1,090	µg/m3	500	1/25/2023 10:07 AM
Freon 113	ND		1,920	µg/m3	500	1/25/2023 10:07 AM
Freon 114	ND		1,750	µg/m3	500	1/25/2023 10:07 AM
Heptane	**7,190**		**1,020**	**µg/m3**	500	1/25/2023 10:07 AM
Hexachlorobutadiene	ND		1,070	µg/m3	500	1/25/2023 10:07 AM
Hexane	**12,400**		**881**	**µg/m3**	500	1/25/2023 10:07 AM
m,p-Xylene	ND		1,090	µg/m3	500	1/25/2023 10:07 AM
Methylene chloride	ND		3,500	µg/m3	500	1/25/2023 10:07 AM
MTBE	ND		901	µg/m3	500	1/25/2023 10:07 AM
Naphthalene	ND		524	µg/m3	500	1/25/2023 10:07 AM
o-Xylene	ND		1,090	µg/m3	500	1/25/2023 10:07 AM
Propene	ND		430	µg/m3	500	1/25/2023 10:07 AM
Styrene	ND		1,060	µg/m3	500	1/25/2023 10:07 AM
Tetrachloroethene	ND		1,700	µg/m3	500	1/25/2023 10:07 AM
Tetrahydrofuran	ND		737	µg/m3	500	1/25/2023 10:07 AM

Note:

ALS Environmental

Date: *31-Jan-23*

Client: EarthCon
Project: TWP Rosewell Station 9; SVE Quarterly Sampling Q4/ **Work Order:** 23010557
Sample ID: West Baker Furnace **Lab ID:** 23010557-01
Collection Date: 1/16/2023 10:21 AM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	ND		942	µg/m3	500	1/25/2023 10:07 AM
trans-1,2-Dichloroethene	ND		991	µg/m3	500	1/25/2023 10:07 AM
trans-1,3-Dichloropropene	ND		1,130	µg/m3	500	1/25/2023 10:07 AM
Trichloroethene	ND		537	µg/m3	500	1/25/2023 10:07 AM
Trichlorofluoromethane	ND		1,400	µg/m3	500	1/25/2023 10:07 AM
Vinyl acetate	ND		1,760	µg/m3	500	1/25/2023 10:07 AM
Vinyl chloride	ND		639	µg/m3	500	1/25/2023 10:07 AM
Surr: Bromofluorobenzene	*86.0*		*60-140*	*%REC*	500	1/25/2023 10:07 AM

Note:

ALS Environmental

Date: 31-Jan-23

Client: EarthCon

Work Order: 23010557

Project: TWP Rosewell Station 9; SVE Quarterly Sampling

QC BATCH REPORT

Batch ID: **R212849** Instrument ID **VMS4** Method: **ETO-15**

MBLK Sample ID: **MBLK-R212849** Units: **ppbv** Analysis Date: **1/24/2023 01:25 PM**

Client ID: Run ID: **VMS4_230124A** SeqNo: **2954938** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	0.50								
1,1,2,2-Tetrachloroethane	ND	0.50								
1,1,2-Trichloroethane	ND	0.20								
1,1-Dichloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
1,2,4-Trichlorobenzene	ND	0.50								
1,2,4-Trimethylbenzene	ND	0.50								
1,2-Dibromoethane	ND	0.20								
1,2-Dichlorobenzene	ND	0.50								
1,2-Dichloroethane	ND	0.20								
1,2-Dichloropropane	ND	0.50								
1,3,5-Trimethylbenzene	ND	0.50								
1,3-Butadiene	ND	0.20								
1,3-Dichlorobenzene	ND	0.50								
1,4-Dichlorobenzene	ND	0.20								
1,4-Dioxane	ND	1.0								
2-Butanone	ND	1.0								
2-Hexanone	ND	1.0								
2-Propanol	ND	1.0								
4-Ethyltoluene	ND	0.50								
4-Methyl-2-pentanone	ND	1.0								
Acetone	ND	1.0								
Benzene	ND	0.50								
Benzyl chloride	ND	1.0								
Bromodichloromethane	ND	0.20								
Bromoform	ND	0.50								
Bromomethane	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.50								
Chlorobenzene	ND	0.50								
Chloroethane	ND	0.50								
Chloroform	ND	0.20								
Chloromethane	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
cis-1,3-Dichloropropene	ND	0.50								
Cumene	ND	0.50								
Cyclohexane	ND	0.50								
Dibromochloromethane	ND	0.50								
Dichlorodifluoromethane	ND	0.50								
Ethyl acetate	ND	0.50								
Ethylbenzene	ND	0.50								

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

Client: EarthCon
Work Order: 23010557
Project: TWP Rosewell Station 9; SVE Quarterly Sampling

QC BATCH REPORT

Batch ID: **R212849** Instrument ID **VMS4** Method: **ETO-15**

Freon 113	ND	0.50					
Freon 114	ND	0.50					
Heptane	ND	0.50					
Hexachlorobutadiene	ND	0.20					
Hexane	ND	0.50					
m,p-Xylene	ND	0.50					
Methylene chloride	ND	2.0					
MTBE	ND	0.50					
Naphthalene	ND	0.20					
o-Xylene	ND	0.50					
Propene	ND	0.50					
Styrene	ND	0.50					
Tetrachloroethene	ND	0.50					
Tetrahydrofuran	ND	0.50					
Toluene	ND	0.50					
trans-1,2-Dichloroethene	ND	0.50					
trans-1,3-Dichloropropene	ND	0.50					
Trichloroethene	ND	0.20					
Trichlorofluoromethane	ND	0.50					
Vinyl acetate	ND	1.0					
Vinyl chloride	ND	0.50					
Surr: Bromofluorobenzene	*8.41*	0	*10*	0	*84.1*	*60-140*	0

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

Client: EarthCon
Work Order: 23010557
Project: TWP Rosewell Station 9; SVE Quarterly Sampling

QC BATCH REPORT

Batch ID: **R212849** Instrument ID **VMS4** Method: **ETO-15**

LCS Sample ID: **LCS-R212849** Units: **ppbv** Analysis Date: **1/24/2023 11:53 AM**
Client ID: Run ID: **VMS4_230124A** SeqNo: **2954937** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	9.76	0.50	10	0	97.6	58.8-163	0			
1,1,2,2-Tetrachloroethane	9.99	0.50	10	0	99.9	60-140	0			
1,1,2-Trichloroethane	10.42	0.20	10	0	104	60-140	0			
1,1-Dichloroethane	9.11	0.50	10	0	91.1	60-140	0			
1,1-Dichloroethene	9.09	0.50	10	0	90.9	60-140	0			
1,2,4-Trichlorobenzene	9.6	0.50	10	0	96	49.3-150	0			
1,2,4-Trimethylbenzene	10.28	0.50	10	0	103	50.1-162	0			
1,2-Dibromoethane	10.61	0.20	10	0	106	60-140	0			
1,2-Dichlorobenzene	10.67	0.50	10	0	107	41.9-141	0			
1,2-Dichloroethane	9.43	0.20	10	0	94.3	60-140	0			
1,2-Dichloropropane	9.39	0.50	10	0	93.9	60-140	0			
1,3,5-Trimethylbenzene	10.25	0.50	10	0	102	60-140	0			
1,3-Butadiene	8.45	0.20	10	0	84.5	50.6-140	0			
1,3-Dichlorobenzene	10.76	0.50	10	0	108	60-140	0			
1,4-Dichlorobenzene	10.68	0.20	10	0	107	55.1-145	0			
1,4-Dioxane	10.09	1.0	10	0	101	60-140	0			
2-Butanone	10	1.0	10	0	100	60-140	0			
2-Hexanone	9.95	1.0	10	0	99.5	56.2-162	0			
2-Propanol	8.11	1.0	10	0	81.1	60-140	0			
4-Ethyltoluene	10.61	0.50	10	0	106	60-140	0			
4-Methyl-2-pentanone	9.11	1.0	10	0	91.1	60-140	0			
Acetone	7.74	1.0	10	0	77.4	60-140	0			
Benzene	9.56	0.50	10	0	95.6	60-140	0			
Benzyl chloride	9.78	1.0	10	0	97.8	31.9-174	0			
Bromodichloromethane	10.26	0.20	10	0	103	60-140	0			
Bromoform	11.26	0.50	10	0	113	60-140	0			
Bromomethane	12.37	0.50	10	0	124	60-140	0			
Carbon disulfide	9.47	0.50	10	0	94.7	60-140	0			
Carbon tetrachloride	10.11	0.50	10	0	101	60-140	0			
Chlorobenzene	10.19	0.50	10	0	102	60-140	0			
Chloroethane	9.4	0.50	10	0	94	60-140	0			
Chloroform	9.76	0.20	10	0	97.6	60-140	0			
Chloromethane	8.09	0.50	10	0	80.9	60-140	0			
cis-1,2-Dichloroethene	9.46	0.50	10	0	94.6	60-140	0			
cis-1,3-Dichloropropene	9.97	0.50	10	0	99.7	60-140	0			
Cumene	10.47	0.50	10	0	105	60-140	0			
Cyclohexane	9.34	0.50	10	0	93.4	60-140	0			
Dibromochloromethane	11.11	0.50	10	0	111	60-140	0			
Dichlorodifluoromethane	9.4	0.50	10	0	94	60-140	0			
Ethyl acetate	9.41	0.50	10	0	94.1	60-140	0			
Ethylbenzene	10.02	0.50	10	0	100	60-140	0			
Freon 113	10.17	0.50	10	0	102	60-140	0			

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

Client: EarthCon
Work Order: 23010557
Project: TWP Rosewell Station 9; SVE Quarterly Sampling

QC BATCH REPORT

Batch ID: **R212849** Instrument ID **VMS4** Method: **ETO-15**

Freon 114	9.46	0.50	10	0	94.6	60-140	0
Heptane	8.56	0.50	10	0	85.6	60-140	0
Hexachlorobutadiene	9.51	0.20	10	0	95.1	60-140	0
Hexane	8.7	0.50	10	0	87	60-140	0
m,p-Xylene	20.83	0.50	20	0	104	60-140	0
Methylene chloride	8.14	2.0	10	0	81.4	60-140	0
MTBE	9.2	0.50	10	0	92	60.8-151	0
Naphthalene	8.31	0.20	10	0	83.1	53.1-152	0
o-Xylene	10.14	0.50	10	0	101	60-140	0
Propene	7.87	0.50	10	0	78.7	34.4-139	0
Styrene	10.67	0.50	10	0	107	60-140	0
Tetrachloroethene	11.46	0.50	10	0	115	60-140	0
Tetrahydrofuran	8.79	0.50	10	0	87.9	60-140	0
Toluene	10.43	0.50	10	0	104	60-140	0
trans-1,2-Dichloroethene	9.93	0.50	10	0	99.3	60-140	0
trans-1,3-Dichloropropene	9.85	0.50	10	0	98.5	60-140	0
Trichloroethene	10.14	0.20	10	0	101	60-140	0
Trichlorofluoromethane	9.91	0.50	10	0	99.1	60-140	0
Vinyl acetate	8.82	1.0	10	0	88.2	48.4-145	0
Vinyl chloride	11.01	0.50	10	0	110	60-140	0
Surr: Bromofluorobenzene	*9.28*	0	*10*	0	*92.8*	*60-140*	0

The following samples were analyzed in this batch: 23010557-01a

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

ALS Environmental

Date: 31-Jan-23

Client: EarthCon
Project: TWP Rosewell Station 9; SVE Quarterly Sampling Q4/
WorkOrder: 23010557

QUALIFIERS, ACRONYMS, UNITS

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

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/m3	
ppbv	

ALS Environmental

Sample Receipt Checklist

Client Name: **EARTHCON-MARIETTA** Date/Time Received: **19-Jan-23 11:02**

Work Order: **23010557** Received by: **AB**

Checklist completed by Alec Bolender (eSignature) 19-Jan-23 (Date) Reviewed by: (eSignature) (Date)

Matrices: air

Carrier name: FedEx

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 ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Released to Imaging: 6/7/2024 10:32:31 AM

Air Canister - Chain of Custody Record / Analytical Service Request

23010557

5545

Ship To: ALS | Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No.

OH VAP: ◯ Yes ◯ No
OH BUSTR: ◯ Yes ◯ No

Company Name & Address (Reporting Information)
EarthCon Consultants, Inc./WSP
1680 Westoak Parkway #106
Marietta, GA 30062

Project Name: EarthCon Consultants Inc./WSP TWP Roswell Station 9

Project Number: SVE Quarterly Sampling @4/2022

Project Manager: Sofie Weber-Snapp

P.O. # / Billing Information

Phone: 770.973.2100

Fax: 770.973.7385

Email Address for Result Reporting

Sampler (Print & Sign): Clayton McBarnhill, PE

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID	Flow Controller ID	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	PID	TO15 VOCs	Type: SS = SubSlab, IA = Indoor Air, SG = Soil Gas, O = Other, AA = Ambient Air, SVE = Soil Vapor Extract	Comments / Specific Instructions (ie: water or pressure issues)
WEST BAKER FEMALE	1	01/16/23	10:21	105718	N/A	N/A	N/A	28.9	TO15 Total VOC's	SVE	

There will be additional charges for damaged equipment Fedex

Report QC Levels _____
EDD required Yes / No
Type: _____ Units: _____

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature] PE	01/16/23	11:25	[signature] ALS	1-19-23	1102
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature ____ °C

Received by OCD: 4/3/2023 5:38:51 AM

APPENDIX D

APPENDIX D: Historical Summary of Vapor Sample Analyses
for the SVE System (Gasoline Range VOCs)
Transwestern Compressor Station No. 9 - Roswell, NM

Sample ID	Date	Gasoline Range VOCs		Estimated Process Flow	Potential Emissions	< C5	C5-C6	C6-C7	C7-C8	C8-C9	C9-C10	C10-C11	C11-C12	C12-C14	C14+
		(ug/L)	(ppbv) [a]	(scfm)	(lb/hr)	(%)									
West Baker Furnace	10/06/09	1,770	539	142	0.9	--	10.5	46.2	38.1	4.0	1.2	0.0	0.0	0.0	0.0
West Baker Furnace	08/10/11	3,200	974	147	1.8	--	--	--	--	--	--	--	--	--	--
West Baker Furnace	07/03/12	3,700	1,126	162	2.2	--	--	--	--	--	--	--	--	--	--
West Baker Furnace	10/05/12	1,400	426	162	0.8	--	--	--	--	--	--	--	--	--	--
West Baker Furnace	10/22/12	1,670	508	162	1.0	--	17.1	44.2	28.6	4.2	5.0	0.5	0.2	0.1	0.1
West Baker Furnace	01/29/13	1,130	344	160	0.7	--	20.3	44.9	25.9	3.9	4.6	0.3	0.0	0.1	0.0
West Baker Furnace	02/27/13	1,120	341	160	0.7	--	14.2	40.2	30.2	6.1	8.3	0.6	0.4	0.0	0.0
West Baker Furnace	03/29/13	694	211	160	0.4	--	14.8	42.0	29.5	8.1	5.1	0.2	0.1	0.2	0.0
West Baker Furnace	04/30/13	850	259	160	0.5	--	31.1	32.1	23.6	8.0	4.3	0.7	0.1	0.1	0.0
West Baker Furnace	05/16/13	5,610	1,707	160	3.4	--	33.5	31.4	26.8	5.8	2.0	0.4	0.1	0.0	0.0
West Baker Furnace	06/17/13	4,600	1,400	160	2.8	--	--	--	--	--	--	--	--	--	--
West Baker Furnace	07/17/13	4,680	1,424	160	2.8	--	28.6	30.3	30.3	6.9	3.5	0.3	0.1	0.0	0.0
West Baker Furnace	08/27/13	3,040	925	160	1.8	--	25.7	28.7	31.0	8.3	5.0	0.9	0.3	0.1	0.0
West Baker Furnace	09/25/13	2,280	694	160	1.4	--	25.4	29.5	24.8	10.0	7.5	1.9	0.8	0.1	0.0
West Baker Furnace	10/17/13	1,900	578	160	1.1	--	28.0	38.7	21.3	7.4	3.6	0.5	0.4	0.1	0.0
West Baker Furnace	11/22/13	2,100	639	160	1.3	--	31.9	35.5	23.4	5.9	3.0	0.1	0.1	0.1	0.0
West Baker Furnace	12/17/13	1,980	603	160	1.2	--	28.6	37.8	21.0	7.3	4.1	0.7	0.3	0.2	0.0
East Baker Furnace	10/06/09	2,010	612	216	1.6	--	15.4	49.3	31.4	2.9	1.0	0.0	0.0	0.0	0.0
East Baker Furnace	08/10/11	2,200	669	147	1.2	--	--	--	--	--	--	--	--	--	--
East Baker Furnace	07/03/12	2,100	639	159	1.3	--	--	--	--	--	--	--	--	--	--
East Baker Furnace	10/05/12	1,200	365	159	0.7	--	--	--	--	--	--	--	--	--	--
East Baker Furnace	10/22/12	1,780	542	160	1.1	--	15.3	41.0	29.6	5.8	7.1	0.9	0.1	0.1	0.1
East Baker Furnace	01/29/13	928	282	160	0.6	--	16.4	46.9	24.9	6.2	5.4	0.2	0.0	0.0	0.0
East Baker Furnace	02/27/13	860	262	160	0.5	--	15.2	43.2	30.0	6.2	5.2	0.2	0.0	0.0	0.0
East Baker Furnace	03/29/13	555	169	160	0.3	--	16.6	47.6	24.4	6.1	4.5	0.5	0.2	0.1	0.0
East Baker Furnace	04/30/13	772	235	160	0.5	--	27.7	28.9	29.6	8.0	4.6	0.9	0.2	0.1	0.0
East Baker Furnace	05/16/13	5,350	1,628	160	3.2	--	31.4	30.2	27.7	6.9	2.7	0.8	0.2	0.1	0.0
East Baker Furnace	06/17/13	4,700	1,430	160	2.8	--	--	--	--	--	--	--	--	--	--
East Baker Furnace	07/17/13	5,780	1,759	160	3.5	--	29.5	29.8	29.1	7.0	3.6	0.8	0.2	0.0	0.0
East Baker Furnace	08/27/13	3,040	925	160	1.8	--	25.6	28.7	31.0	8.5	5.1	0.9	0.2	0.0	0.0
East Baker Furnace	09/25/13	2,040	621	160	1.2	--	25.9	30.1	25.4	9.5	7.4	1.2	0.4	0.1	0.0
East Baker Furnace	10/17/13	1,650	502	160	1.0	--	30.5	32.8	22.8	7.9	4.6	0.6	0.4	0.2	0.2
East Baker Furnace	11/22/13	1,960	596	160	1.2	--	29.6	32.5	24.2	7.9	4.4	0.7	0.4	0.3	0.0
East Baker Furnace	12/17/13	1,770	539	160	1.1	--	31.4	33.2	22.8	7.2	4.2	0.6	0.3	0.3	0.0

(a) Conversion Factor:

P = 1.00 atm, MW = 79 g/mole, R = 0.08205 L*atm/(K*mole), T = 293^{o}K

C ppbv = C ug/L * ((R * T)/(MW*P))

C ppbv = C ug/L * 0.3043

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APPENDIX D: Historical SVE System Potential Emissions Estimate for Gasoline Range Organics
Transwestern Compressor Station No. 9 - Roswell, NM

	West Unit				East Unit				Total				
Date	Total GRO C(ug/L)	Flow Rate Q(scfm)	Potential Emissions M(lb/hr)	Projected TPY M(tons/yr)	Total GRO C(ug/L)	Flow Rate Q(scfm)	Potential Emissions M(lb/hr)	Projected TPY M(tons/yr)	Flow Rate Q(scfm)	Potential Emissions M(lb/hr)	Projected TPY M(tons/yr)	Projected GPY M(gal/yr)	Projected PPY M(lbs/yr)
05/21/03	3,220	128	1.5	6.8	1,850	175	1.2	5.3	303	2.8	12.1	3,810	24,147
06/04/03	3,660	127	1.7	7.6	3,450	142	1.8	8.0	269	3.6	15.7	4,942	31,326
12/15/04	979	157	0.6	2.5	2,800	215	2.3	9.9	372	2.8	12.4	3,912	24,796
07/15/05	2,120	153	1.2	5.3	4,140	184	2.9	12.5	337	4.1	17.8	5,622	35,638
05/01/06	2,200	160	1.3	5.8	4,470	198	3.3	14.5	358	4.6	20.3	6,404	40,590
09/13/06	990	165	0.6	2.7	3,140	210	2.5	10.8	375	3.1	13.5	4,259	26,996
06/22/07	826	161	0.5	2.2	1,300	206	1.0	4.4	367	1.5	6.6	2,075	13,150
07/02/08	728	150	0.4	1.8	1,420	193	1.0	4.5	343	1.4	6.3	1,984	12,575
11/05/08	5,840	140	3.1	13.4	4,580	177	3.0	13.3	317	6.1	26.7	8,429	53,426
10/06/09	1,770	142	0.9	4.1	2,010	216	1.6	7.1	358	2.6	11.2	3,549	22,492
08/10/11	3,200	147	1.8	7.7	2,200	147	1.2	5.3	294	3.0	13.0	4,109	26,046
07/03/12	3,700	162	2.2	9.8	2,100	159	1.3	5.5	321	3.5	15.3	4,831	30,623
10/05/12	1,400	162	0.8	3.7	1,200	159	0.7	3.1	321	1.6	6.9	2,162	13,702
10/22/12	1,670	162	1.0	4.4	1,780	160	1.1	4.7	322	2.1	9.1	2,875	18,222
01/29/13	1,130	160	0.7	3.0	928	160	0.6	2.4	320	1.2	5.4	1,705	10,804
02/27/13	1,120	160	0.7	2.9	860	160	0.5	2.3	320	1.2	5.2	1,640	10,395
03/29/13	694	160	0.4	1.8	555	160	0.3	1.5	320	0.7	3.3	1,035	6,557
04/30/13	850	160	0.5	2.2	772	160	0.5	2.0	320	1.0	4.3	1,343	8,515
05/16/13	5,610	160	3.4	14.7	5,350	160	3.2	14.0	320	6.6	28.8	9,078	57,539
06/17/13	4,600	160	2.8	12.1	4,700	160	2.8	12.3	320	5.6	24.4	7,703	48,824
07/17/13	4,680	160	2.8	12.3	5,780	160	3.5	15.2	320	6.3	27.5	8,664	54,914
08/27/13	3,040	160	1.8	8.0	3,040	160	1.8	8.0	320	3.6	16.0	5,036	31,919
09/25/13	2,280	160	1.4	6.0	2,040	160	1.2	5.4	320	2.6	11.3	3,578	22,679
10/17/13	1,900	160	1.1	5.0	1,650	160	1.0	4.3	320	2.1	9.3	2,940	18,637
11/22/13	2,100	160	1.3	5.5	1,960	160	1.2	5.1	320	2.4	10.7	3,363	21,315
12/17/13	1,980	160	1.2	5.2	1,770	160	1.1	4.6	320	2.2	9.8	3,106	19,687

Notes:
1) Concentrations based on Hall Lab analysis of SVE system samples

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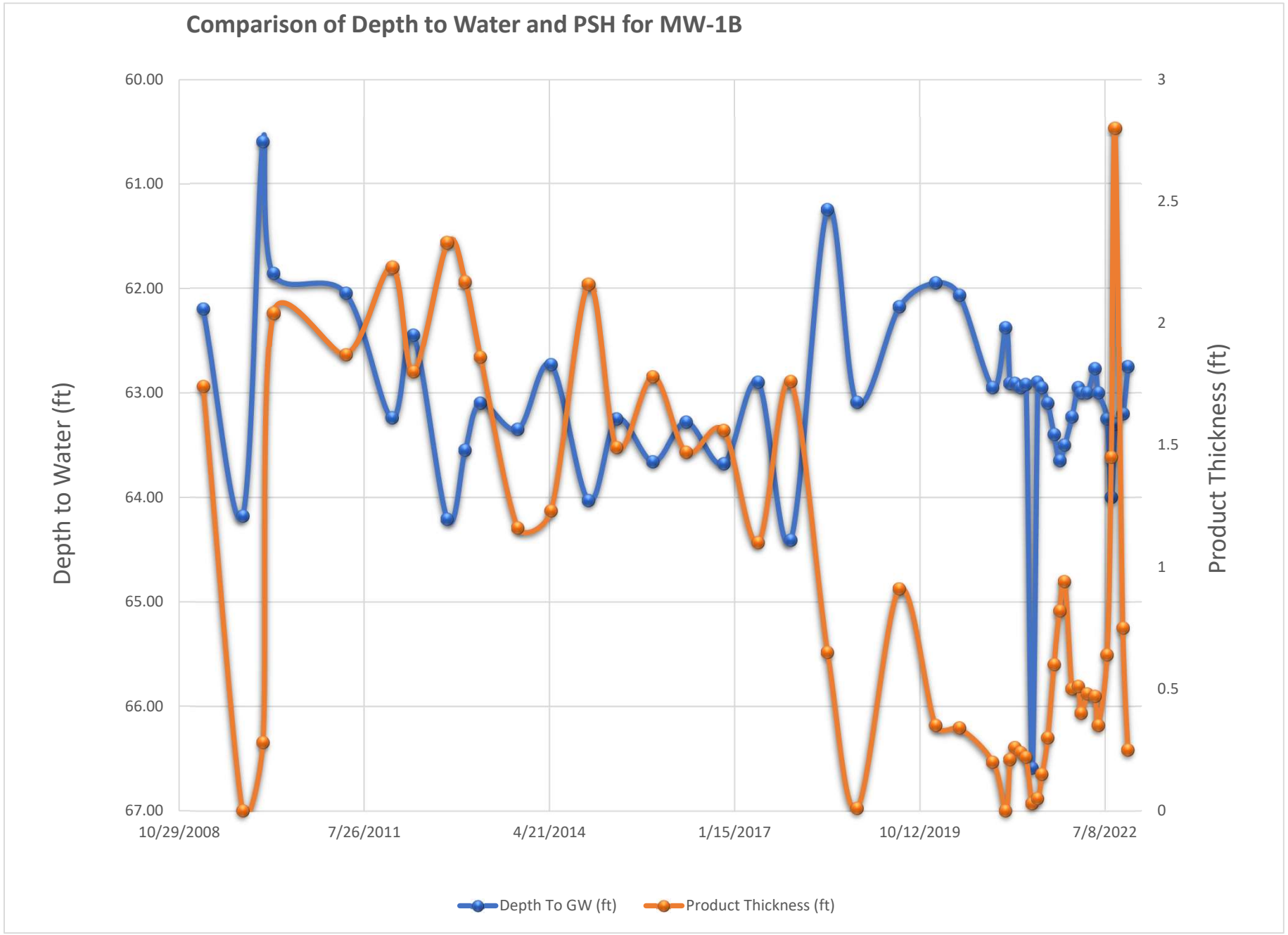
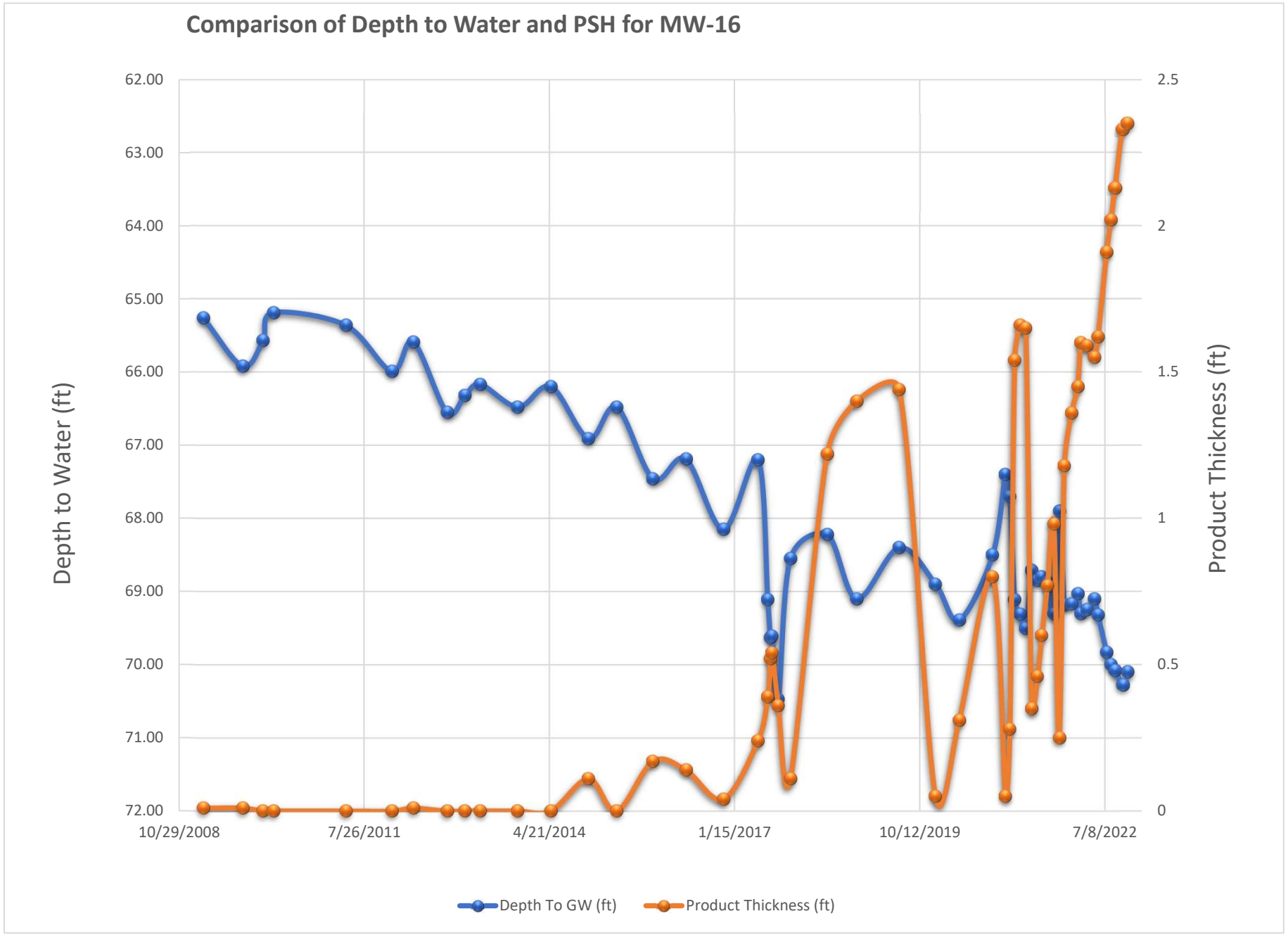
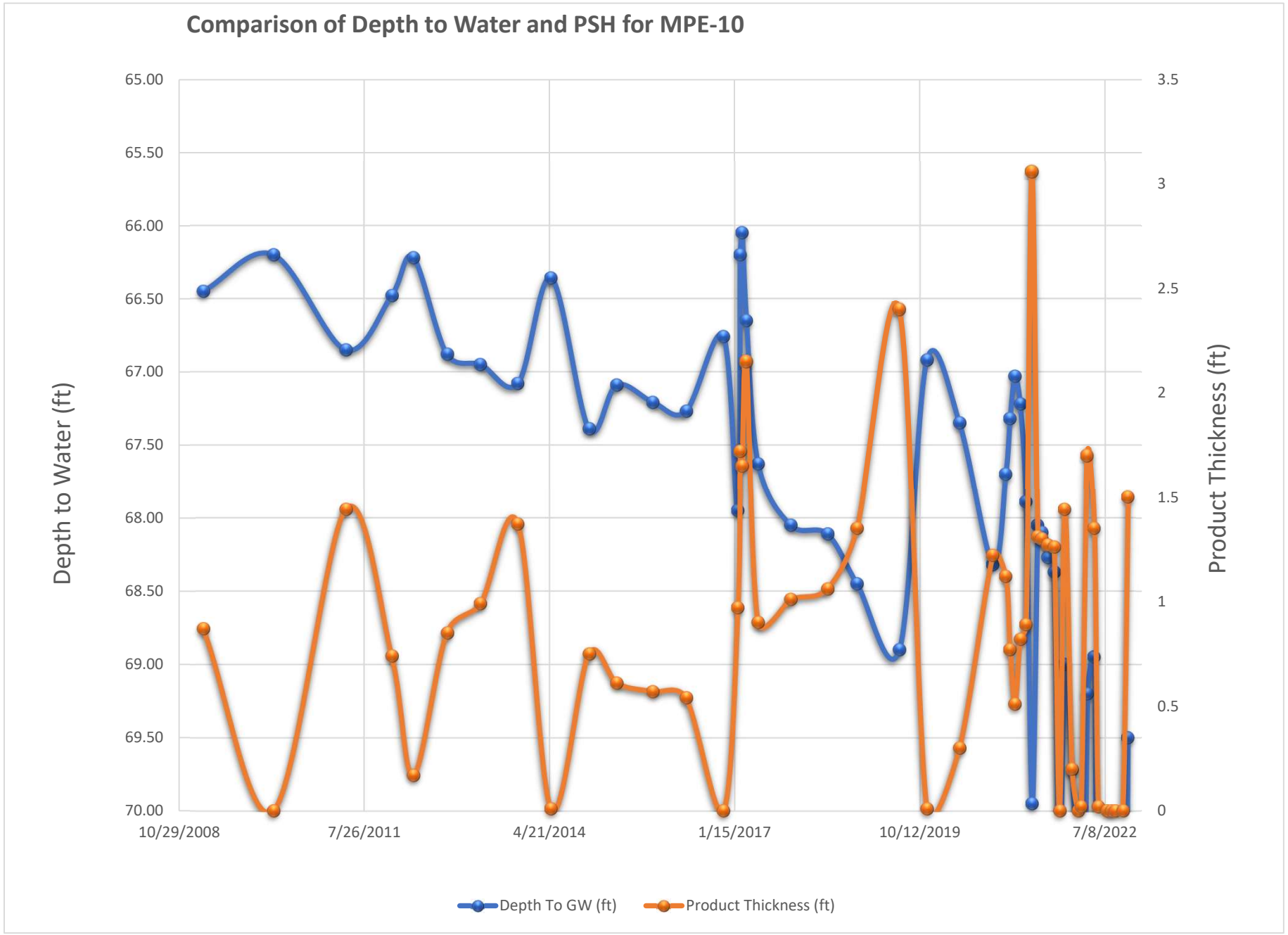
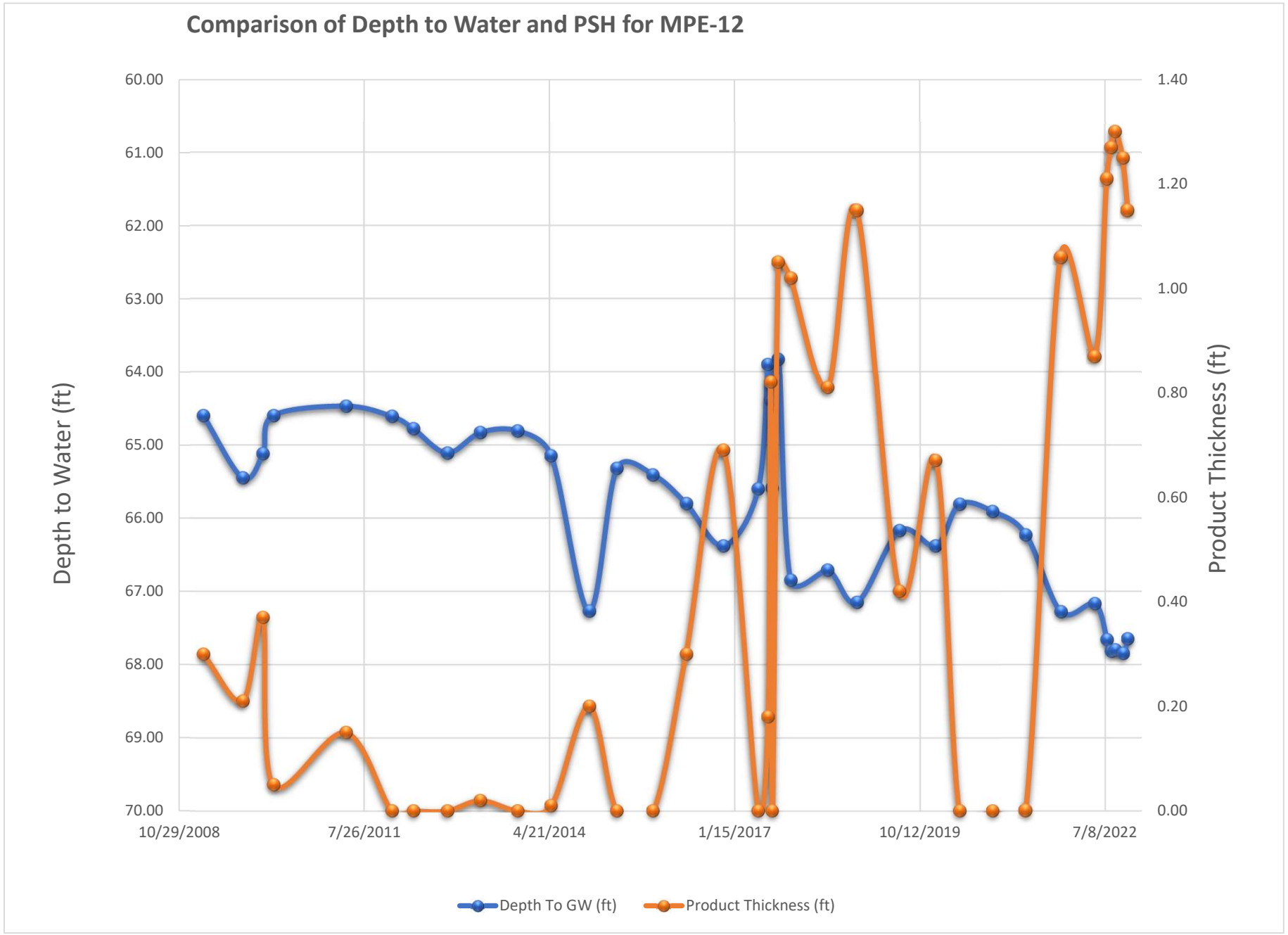
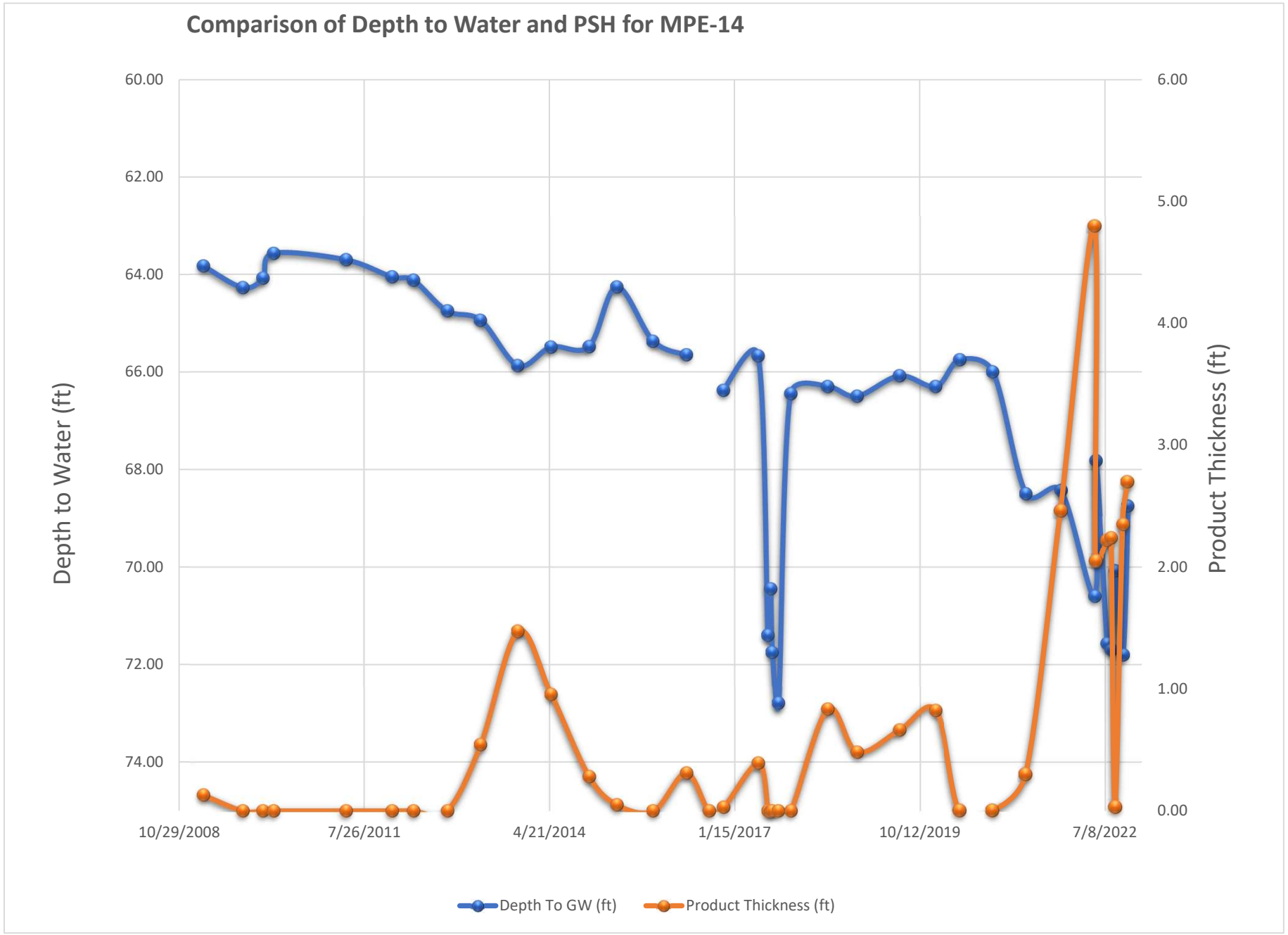
APPENDIX E

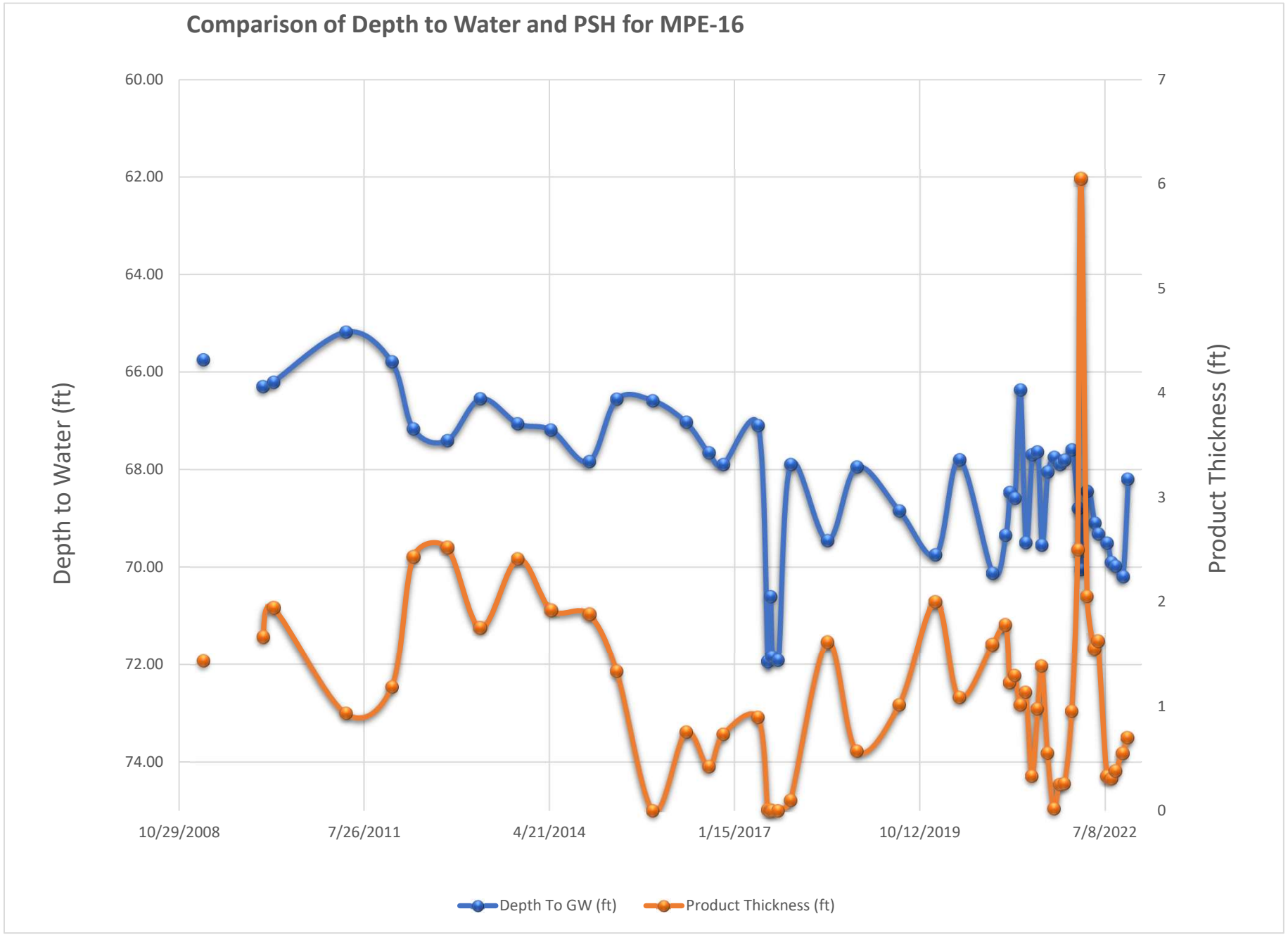

Comparison of Depth to Water and PSH for MW-1B
Depth to Water (ft)
60.00
61.00
62.00
63.00
64.00
65.00
66.00
67.00
Product Thickness (ft)
3
2.5
2
1.5
1
0.5
0
10/29/2008
7/26/2011
4/21/2014
1/15/2017
10/12/2019
7/8/2022
Depth To GW (ft)
Product Thickness (ft)

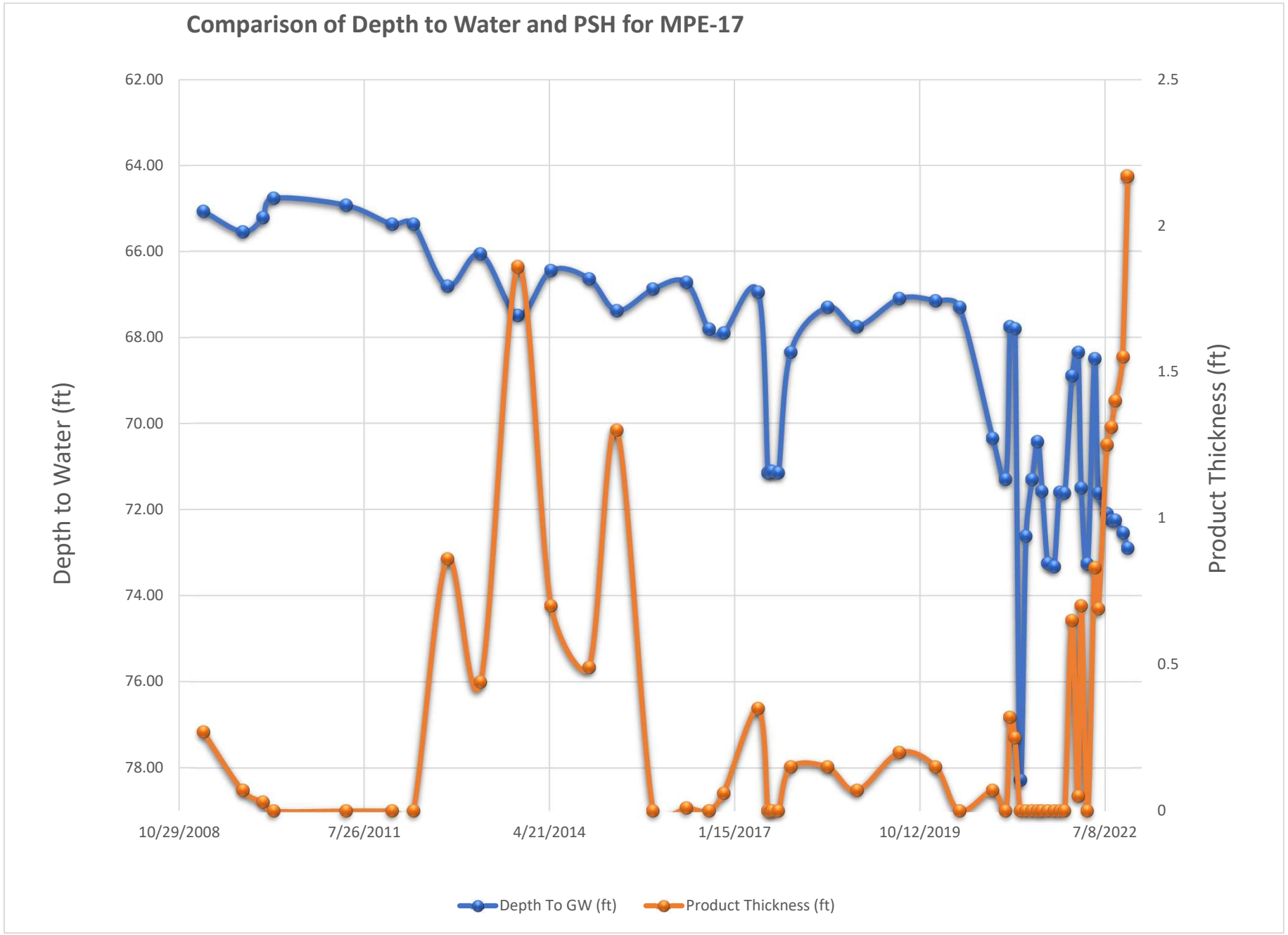

Comparison of Depth to Water and PSH for MW-16
Depth to Water (ft)
62.00
63.00
64.00
65.00
66.00
67.00
68.00
69.00
70.00
71.00
72.00
Product Thickness (ft)
2.5
2
1.5
1
0.5
0
10/29/2008
7/26/2011
4/21/2014
1/15/2017
10/12/2019
7/8/2022
Depth To GW (ft)
Product Thickness (ft)

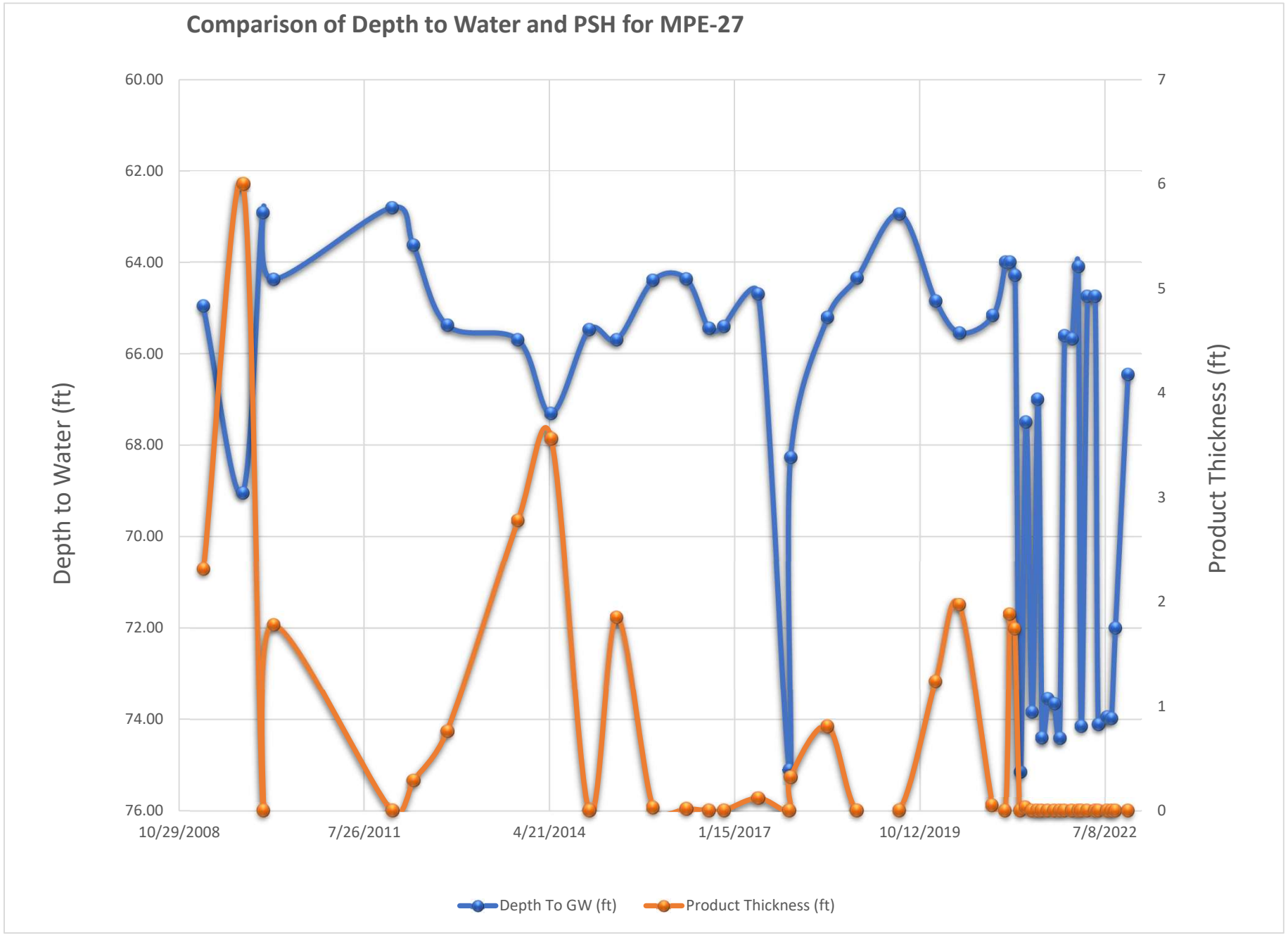

Comparison of Depth to Water and PSH for MPE-10
Depth to Water (ft)
65.00
65.50
66.00
66.50
67.00
67.50
68.00
68.50
69.00
69.50
70.00
Product Thickness (ft)
3.5
3
2.5
2
1.5
1
0.5
0
10/29/2008
7/26/2011
4/21/2014
1/15/2017
10/12/2019
7/8/2022
Depth To GW (ft)
Product Thickness (ft)

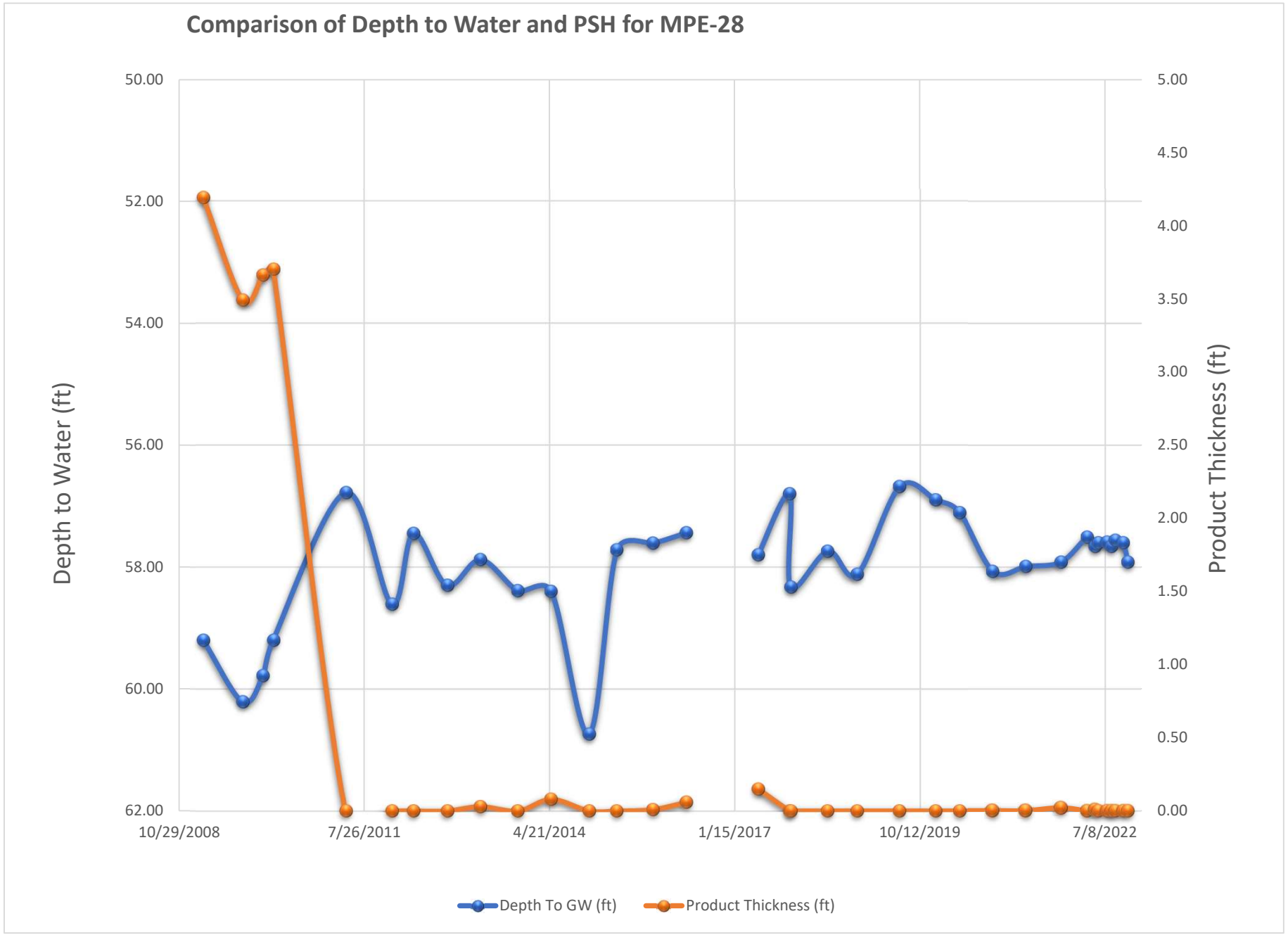

Comparison of Depth to Water and PSH for MPE-12
Depth to Water (ft)
Product Thickness (ft)
60.00
61.00
62.00
63.00
64.00
65.00
66.00
67.00
68.00
69.00
70.00
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
10/29/2008
7/26/2011
4/21/2014
1/15/2017
10/12/2019
7/8/2022
Depth To GW (ft)
Product Thickness (ft)

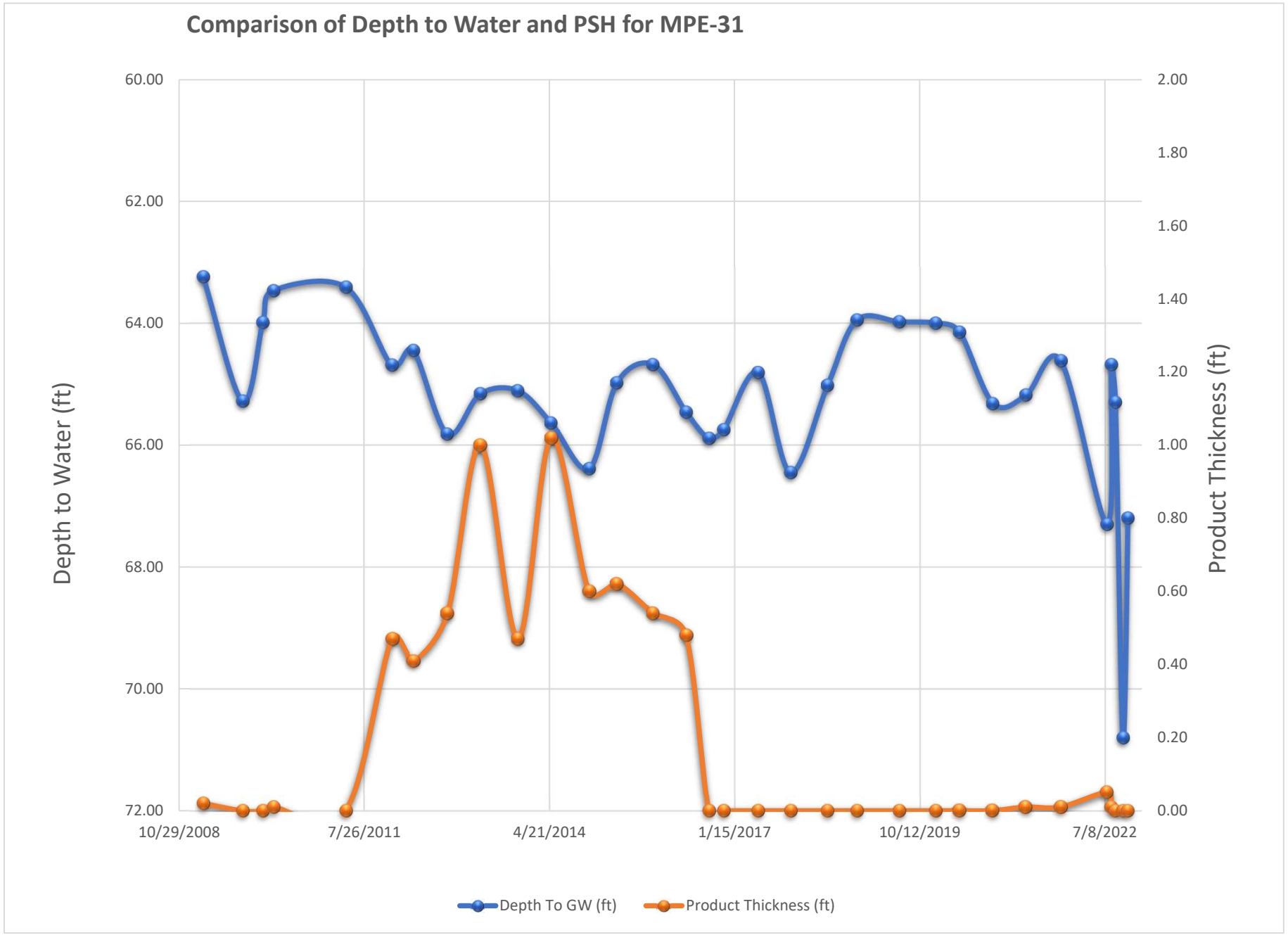

Comparison of Depth to Water and PSH for MPE-14
Depth to Water (ft)
Product Thickness (ft)
60.00
62.00
64.00
66.00
68.00
70.00
72.00
74.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
10/29/2008
7/26/2011
4/21/2014
1/15/2017
10/12/2019
7/8/2022
Depth To GW (ft)
Product Thickness (ft)

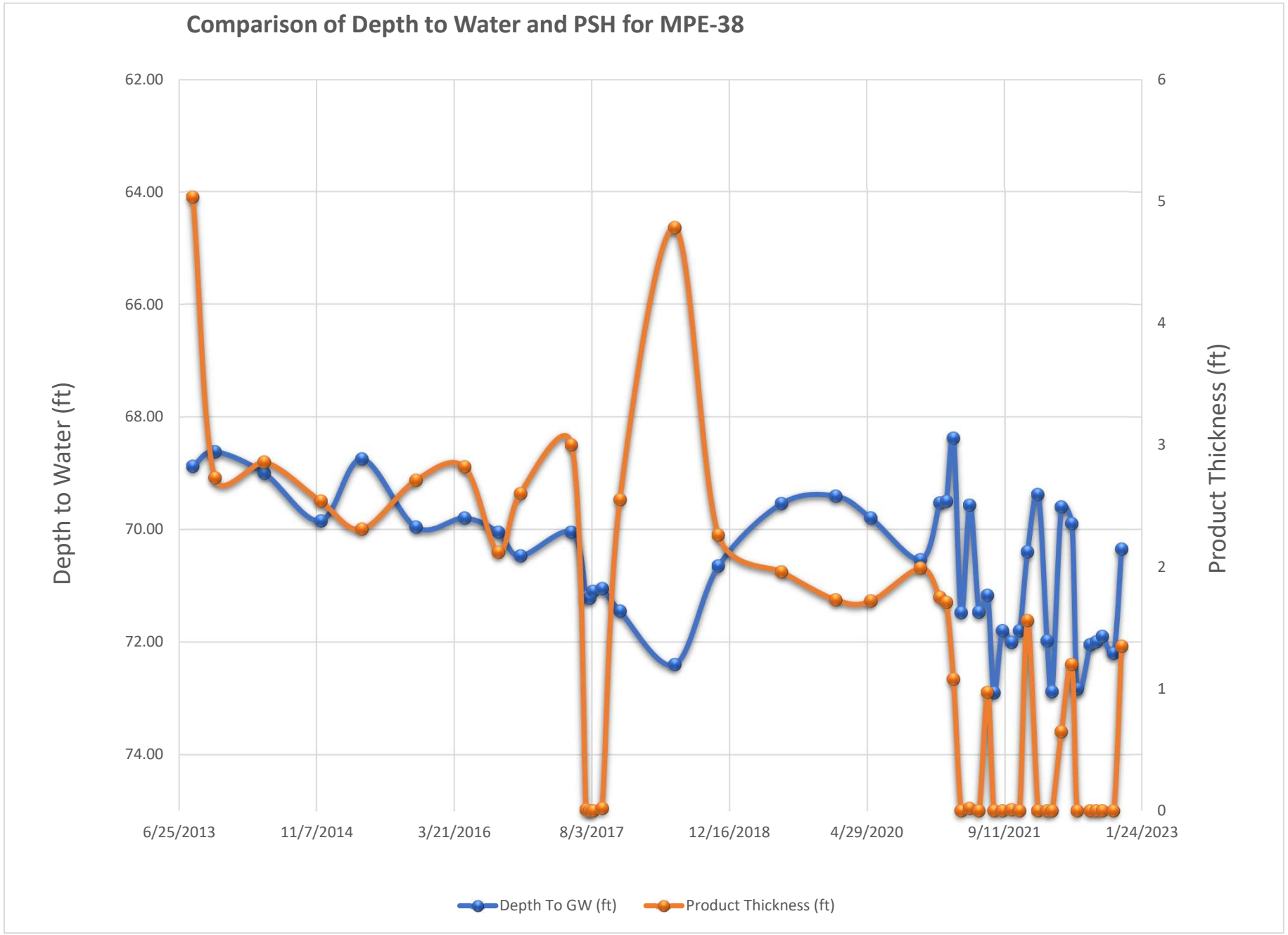

Comparison of Depth to Water and PSH for MPE-16
Depth to Water (ft)
60.00
62.00
64.00
66.00
68.00
70.00
72.00
74.00
Product Thickness (ft)
7
6
5
4
3
2
1
0
10/29/2008
7/26/2011
4/21/2014
1/15/2017
10/12/2019
7/8/2022
Depth To GW (ft)
Product Thickness (ft)

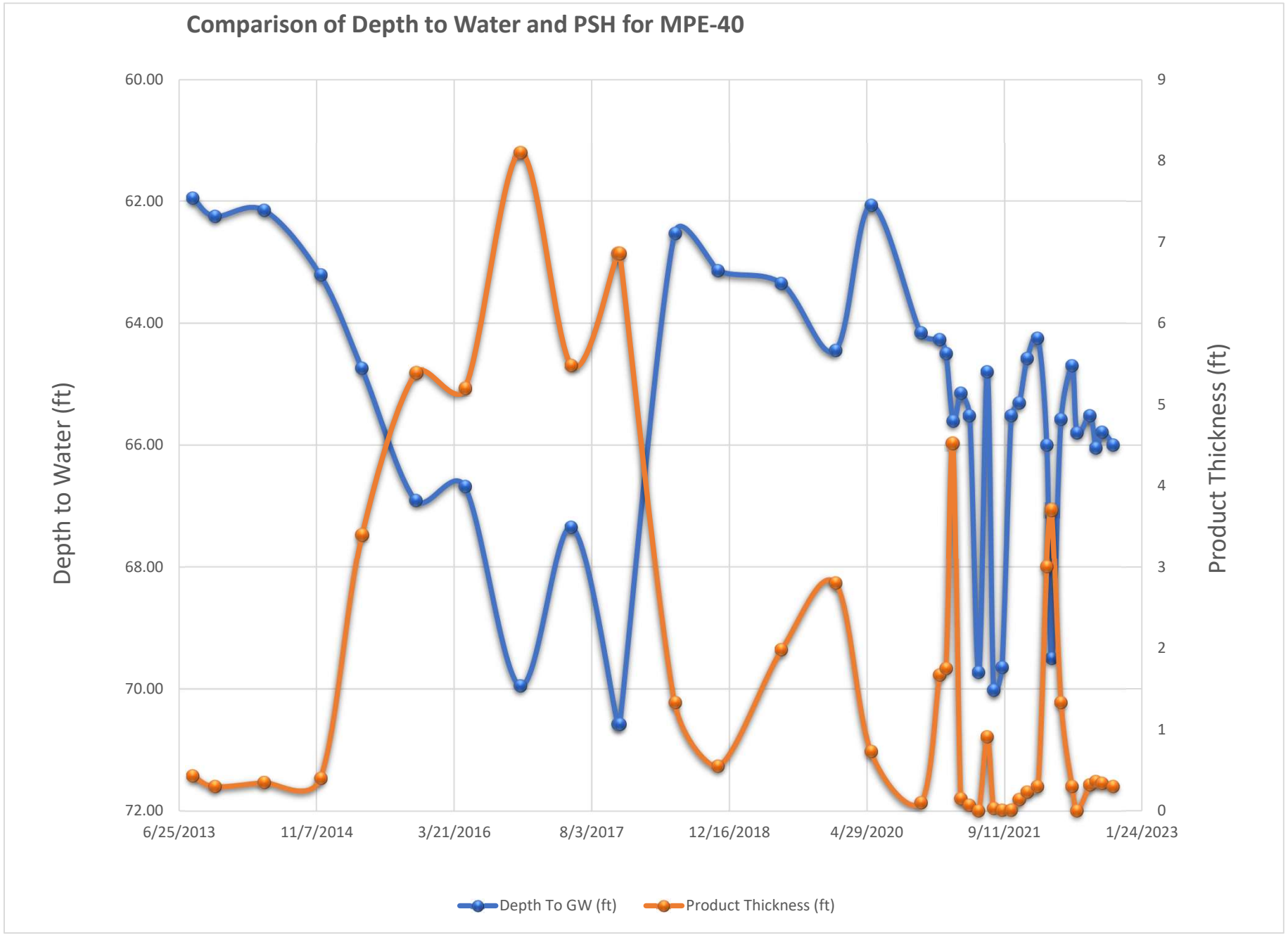

Comparison of Depth to Water and PSH for MPE-17
Depth to Water (ft)
62.00
64.00
66.00
68.00
70.00
72.00
74.00
76.00
78.00
Product Thickness (ft)
2.5
2
1.5
1
0.5
0
10/29/2008
7/26/2011
4/21/2014
1/15/2017
10/12/2019
7/8/2022
Depth To GW (ft)
Product Thickness (ft)

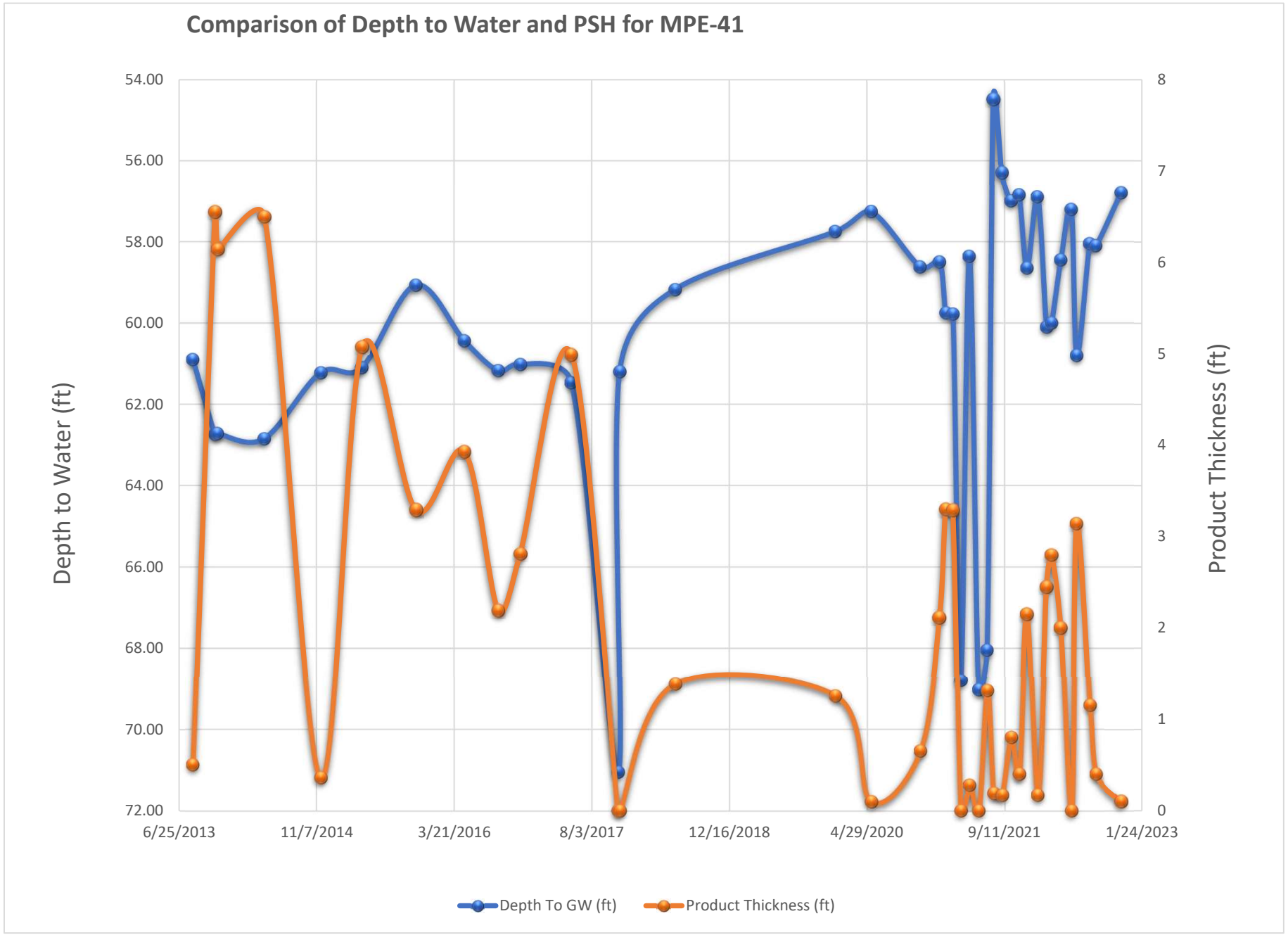

Comparison of Depth to Water and PSH for MPE-27
Depth to Water (ft)
Product Thickness (ft)
60.00
62.00
64.00
66.00
68.00
70.00
72.00
74.00
76.00
7
6
5
4
3
2
1
0
10/29/2008
7/26/2011
4/21/2014
1/15/2017
10/12/2019
7/8/2022
Depth To GW (ft)
Product Thickness (ft)

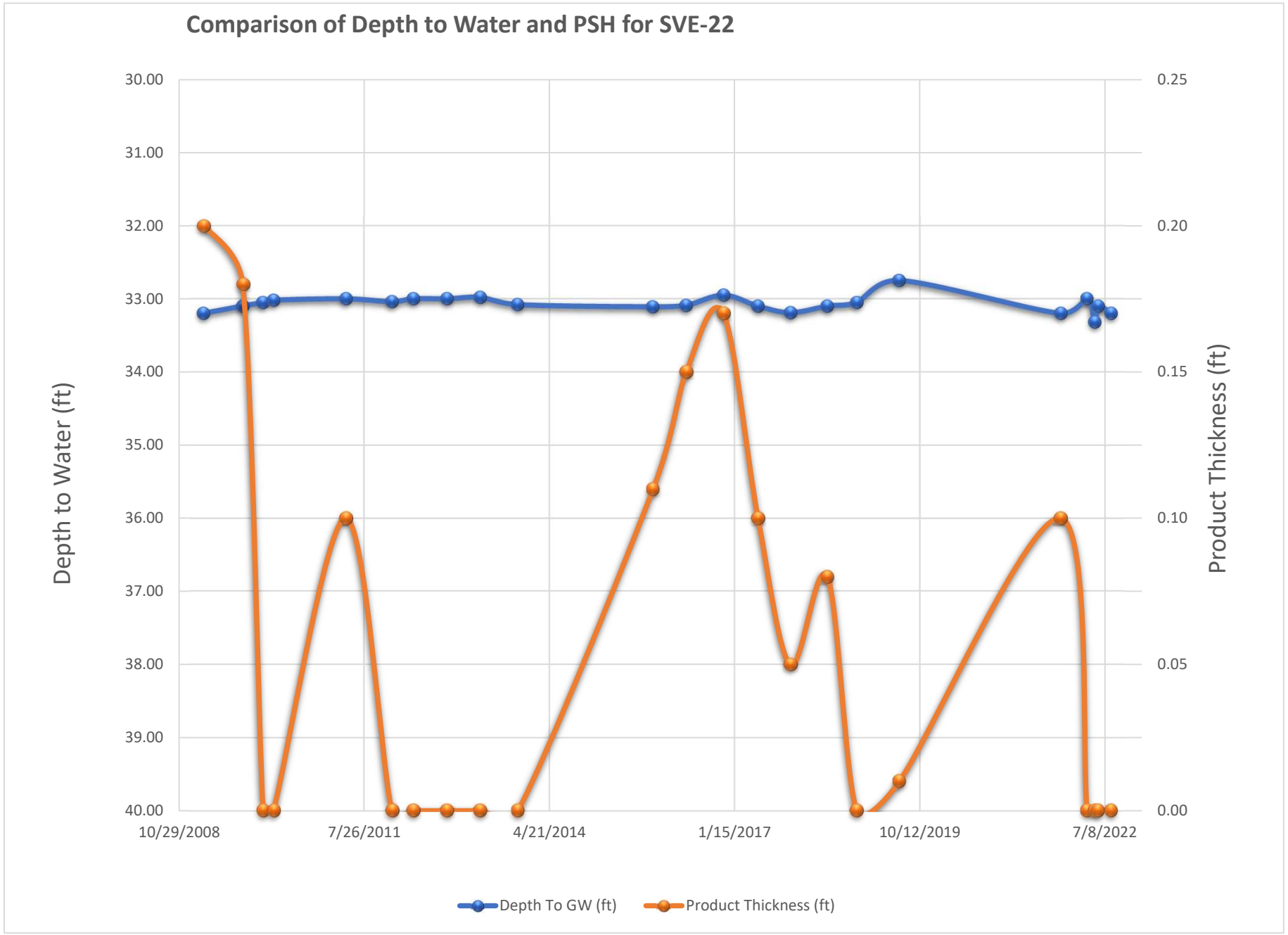

Comparison of Depth to Water and PSH for MPE-28
Depth to Water (ft)
Product Thickness (ft)
50.00
52.00
54.00
56.00
58.00
60.00
62.00
5.00
4.50
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
10/29/2008
7/26/2011
4/21/2014
1/15/2017
10/12/2019
7/8/2022
Depth To GW (ft)
Product Thickness (ft)

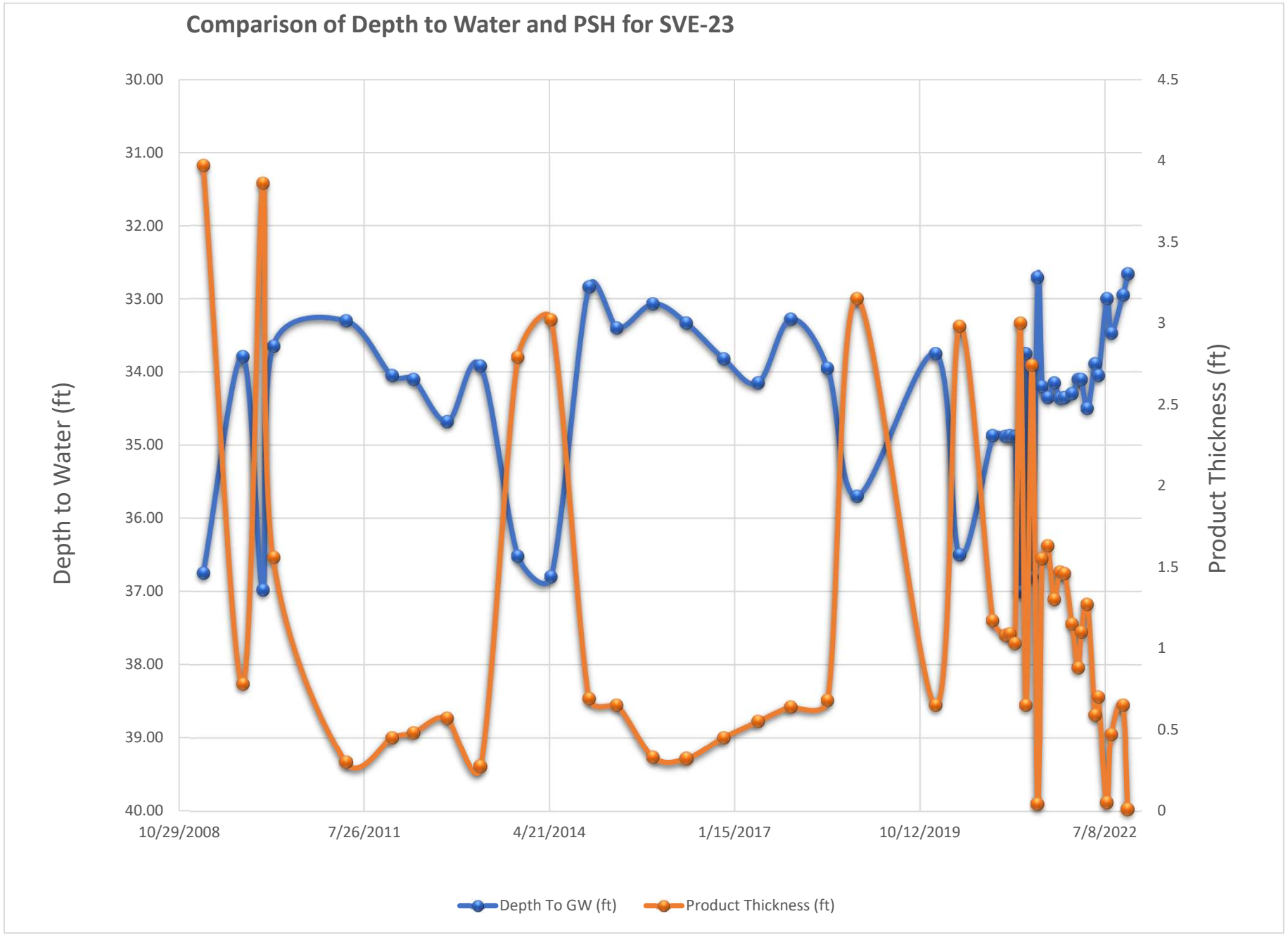

Comparison of Depth to Water and PSH for MPE-31
Depth to Water (ft)
Product Thickness (ft)
60.00
62.00
64.00
66.00
68.00
70.00
72.00
2.00
1.80
1.60
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
10/29/2008
7/26/2011
4/21/2014
1/15/2017
10/12/2019
7/8/2022
Depth To GW (ft)
Product Thickness (ft)

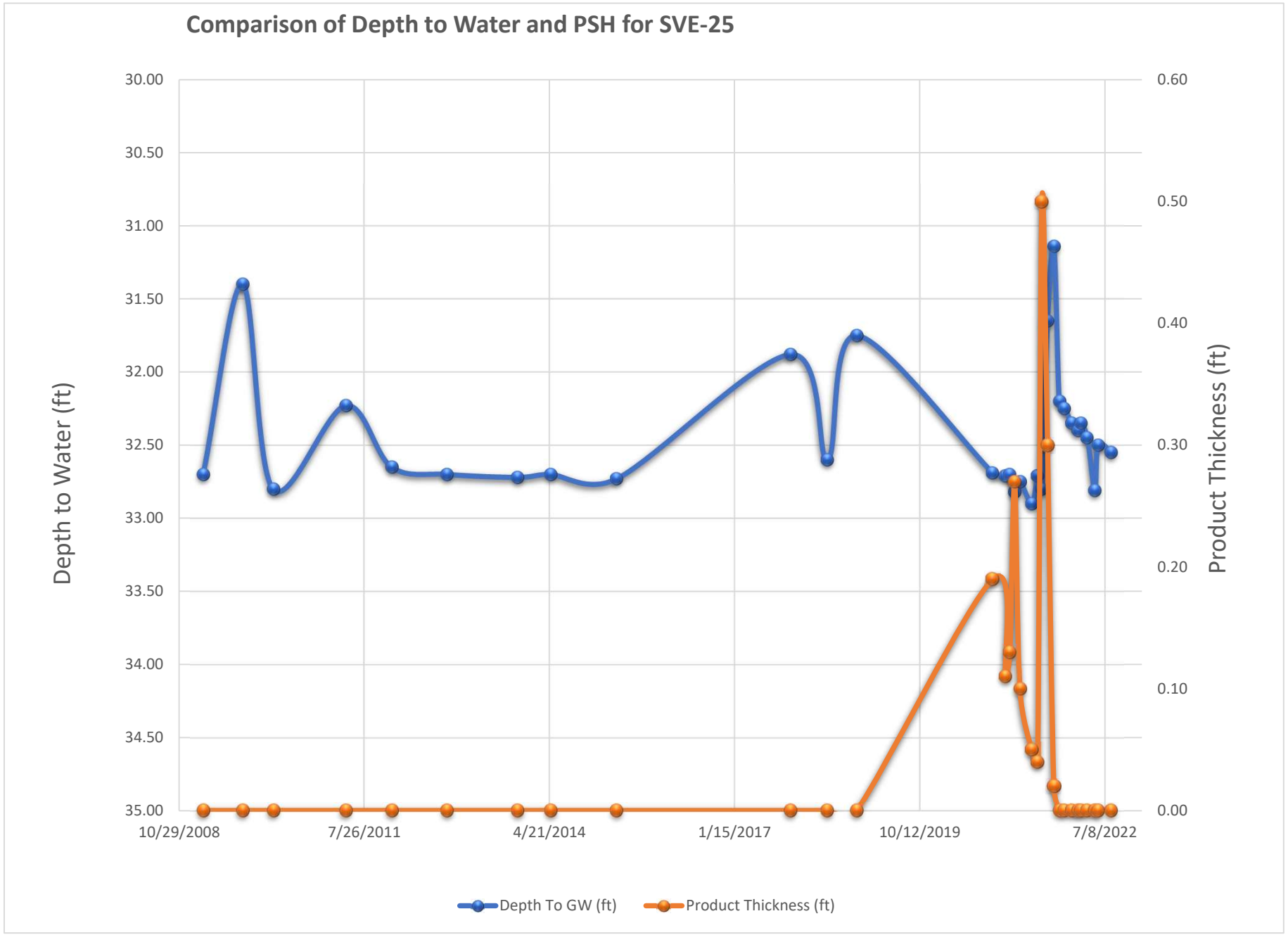

Comparison of Depth to Water and PSH for MPE-38
Depth to Water (ft)
62.00
64.00
66.00
68.00
70.00
72.00
74.00
Product Thickness (ft)
6
5
4
3
2
1
0
6/25/2013
11/7/2014
3/21/2016
8/3/2017
12/16/2018
4/29/2020
9/11/2021
1/24/2023
Depth To GW (ft)
Product Thickness (ft)


Comparison of Depth to Water and PSH for MPE-40
Depth to Water (ft)
Product Thickness (ft)
60.00
62.00
64.00
66.00
68.00
70.00
72.00
9
8
7
6
5
4
3
2
1
0
6/25/2013
11/7/2014
3/21/2016
8/3/2017
12/16/2018
4/29/2020
9/11/2021
1/24/2023
Depth To GW (ft)
Product Thickness (ft)


Comparison of Depth to Water and PSH for MPE-41
Depth to Water (ft)
Product Thickness (ft)
54.00
56.00
58.00
60.00
62.00
64.00
66.00
68.00
70.00
72.00
8
7
6
5
4
3
2
1
0
6/25/2013
11/7/2014
3/21/2016
8/3/2017
12/16/2018
4/29/2020
9/11/2021
1/24/2023
Depth To GW (ft)
Product Thickness (ft)


Comparison of Depth to Water and PSH for SVE-22
Depth to Water (ft)
Product Thickness (ft)
30.00
31.00
32.00
33.00
34.00
35.00
36.00
37.00
38.00
39.00
40.00
0.25
0.20
0.15
0.10
0.05
0.00
10/29/2008
7/26/2011
4/21/2014
1/15/2017
10/12/2019
7/8/2022
Depth To GW (ft)
Product Thickness (ft)


Comparison of Depth to Water and PSH for SVE-23
Depth to Water (ft)
Product Thickness (ft)
30.00
31.00
32.00
33.00
34.00
35.00
36.00
37.00
38.00
39.00
40.00
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
10/29/2008
7/26/2011
4/21/2014
1/15/2017
10/12/2019
7/8/2022
Depth To GW (ft)
Product Thickness (ft)


Comparison of Depth to Water and PSH for SVE-25
Depth to Water (ft)
Product Thickness (ft)
30.00
30.50
31.00
31.50
32.00
32.50
33.00
33.50
34.00
34.50
35.00
0.60
0.50
0.40
0.30
0.20
0.10
0.00
10/29/2008
7/26/2011
4/21/2014
1/15/2017
10/12/2019
7/8/2022
Depth To GW (ft)
Product Thickness (ft)

APPENDIX F

Released to Imaging: 6/7/2024 10:32:31 AM

Received by OCD: 4/3/2023 5:38:51 AM

Location TWP Roswell Station Date 05/22/22

Project / Client Pulse Pumping Evaluation MPE-14 For Earthcon/WSP By: CMB Environmental & Geological Services, Inc.

Page 1 of 1

Date	Time	Dpsh	Dwpc	Well #	Remarks
05/22/22	16:22	—	—	MPE-14	—
Turned off Vacuum & Air to pump.		65.90	68.42	MPE-14	PSH in well
68.42 - 65.90 = 2.52' PSH Thickness					
05/23/22	07:57	65.90	68.42	MPE-14	Gauged well
0856 Started pumping well @ 0856 + pumped 2 Gallons — Clear H2O NO PSH @ 09:03 pumping rate ± 2/6 = 0,30 gpm. Shut Air & Vacuum OFF.					
05/24/22	0800	65.90	68.90	MPE-14	PSH in well
68.90 - 65.90 = 3.0' PSH Thickness					
05/25/22	0847	66.05	68.47	MPE-14	PSH in well
68.47 - 66.05 = 2.42' PSH Thickness					
05/26/22	0723	66.0	68.37	MPE-14	PSH in well
68.37 - 66.0 = 2.37' PSH Thickness					
Re-Started Vacuum & pump @ 0730					

Clifton Hall PE

Location _____ Date _____

Project / Client _____

Rite in the Rain

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Released to Imaging: 6/7/2024 10:32:31 AM

Location Twp Roswell station 9 Date 09/12/22

Project / Client Pulse Pumping Test For Earthcon/WSP By: CMB

Environmental & Geological Services, Inc. Page 1 OF 1

Arrive on-site @ 0930 hr

Sunny 67°F Wind SE 6mph

Humidity 75% Barometric Pressure 30.03" Hg Solonist II Serial # J22719

Date	Time	Dpsh	DTW	Remarks
9/10/22	0810	Ø	57.56	shut well off
09/12/22	0945	69.78'	70.22	MPE-38

70.22 - 69.78 = 0.44 PSH Thickness

0.44 X 0.65 = 0.286 Gallons PSH

0949 started pumping

Clear 0949:30 — 1 Gallon

purged @ 0951 Ø Top of Pump 69.90'

09/13/22	0850	69.66'	69.85'	MPE-38
09/14/22	10:00	69.57'	69.90'	MPE-38
09/15/22	0900	69.46	69.90'	MPE-38

Re-started MPE-38 @ 10:03 09/15/22

Location Twp Roswell station 9 Date 09/12/2022

Project / Client Weekly Bailing / Gauging SVE-23 For Earthcon/WSP By: CMB

Environmental & Geological Services Inc.

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SVE-23: 2" PVC SVE well @ 0959 hr

Dpsh = 32.45 Dtw = 32.70'

32.70' - 32.45 = 0.25' psh Thickness

0.25 X 0.16 = 0.04 Gallon ~~Spsh~~ psh

Started Bailing @ 10:00 hr.

with 1.8" x 3.0' poly Disposable Bailer & Twine.

Date	Time	Well	Dpsh	Dtw
09/12/22	10:05	SVE-23	Ø	32.60

Bailed 2 gallons 99% H_2O 1% psh

1.98 Gallons H_2O 0.02 Gallons psh

09/13/22	0855	SVE-23	32.45	33.45'
09/14/22	10:05	SVE-23	32.45	33.50'
09/15/22	10:07	SVE-23	32.50	~~33~~ 34.70

Ø6

Rite in the Rain

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Released to Imaging: 6/7/2024 10:32:31 AM
Received by OCD: 4/3/2023 5:38:51 AM

22

Location Twp Roswell Station 9 Date 09/15/22

Project / Client Pulse Pumping Test For EarthCon/WSP By: CMB Environmental & Geological Services, Inc.

Page 1 of 1

ARRive on-site @ 0845 hour.
Sunny 67°F, Wind N 7mph, Humidity 80%, Barometric Pressure 29.96"Hg. Solinst I.P. Serial # 222719
MPE-32 has been shut off Since last GW Monitoring Event in May, 2022.

Date	Time	DTW	Remarks
09/15/22	0916	61.58	61.75' MPE-32

* Had to pull pump to Gauge well
61.75' - 61.58 = 0.17' PSH Thickness
0.17 X 0.65 = 0.11 Gallons PSH
Started pumping MPE-32 @ ~~0946~~ 0941
@ 0947:30 well pumped off
Clear H2O - Shut ~~air~~ off air
To pump 1 Gallon purged.

09/16/22	0935	61.10'	61.65'	MPE-32
09/17/22	0856	61.54	61.65'	MPE-32
09/18/22	0730	61.53	61.75	MPE-32

@ 0727, 09/18/22 Shut off SVE-41, Turned on Pump & SVE-32 @ 0735

23

Location Twp Roswell Station 9 Date 09/19/22

Project / Client Weekly Bailing / Gauging SVE-23 For EarthCon/WSP By: CMB Environmental & Geological Services, Inc. Page 1 of 1

ARRive on-site @ 0700 hour
Sunny 65°F Wind NE @ 5mph Humidity 85% Barometric Pressure 29.86"Hg
Solonist Interface Probe Serial # 222719

Date	Time	PSH	DTW	Remarks
09/19/22	0708	32.45'	33.15	SVE-23

Bailed Two Gallons 0710-0715 hr
@ 0715 hr. 32.40 32.65'
Left Site @ 0800 hr

09/20/22	0700	32.48'	32.95'	SVE-23
09/21/22	0646	32.51'	32.95'	SVE-23
09/22/22	0920	32.52	33.10'	SVE-23

Rite in the Rain

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Location TWP Roswell Station 9 Date 09/22/22

Project / Client Pulse Pumping Test MPE-41 For Earth Con / WSP By: CMB Environmental & Geological Services, Inc.

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Arrived on-site @ 09:00 hour
Sunny 69°F Wind 13 mph NE
Humidity 64% Barometric Pressure 30.06 " Hg.
Solonist I.P. Serial # 222719

Date	Time	DpSH	DTW	Remarks
09/22/22	0913	58.60	58.70	MPE-41

PSH Thickness = 0.10'
0.10' x 0.65 = 0.065 Gallons pSH
Started pumping MPE-41 @ 0924 hr. @ 09:24:30 1 Gallon purged clear H2O.

09/23/22	0706	58.04	58.45	MPE-41
09/24/22	0721	58.30	58.37	MPE-41
09/25/22	0707	58.35	58.45	MPE-41

Shut Down MPE-40 @ 0655 09/26/22. & Re-Started MPE-41

PB

Location TWP Roswell Station 9 Date 09/26/22

Project / Client Weekly Bailing / Gauging SVE-23 For Earth Con / WSP By: CMB Environmental & Geological Services, Inc.

Page 1 of 1

Arrive On Site @ 0645 hr.
Sunny 39°F Wind WSW @ 3 mph
Humidity @ 83% Barometric Pressure ↑ 30.49" Hg.
Solonist I.P. Serial # 222719

Time	Date	DpSH	DTW	Remarks
0657	09/26/22	32.55'	~~35.05~~ 34.95	SVE-23

Started Bailing with 1⅝" x 3.0' Poly Disposable Bailer @ 07:00
Bailed 2 Gallons @ 0705
99% H2O 1% PSH/NAPL

0705	09/26/22	@	32.65'	SVE-23
0658	09/27/22	32.60'	33.15	SVE-23
0647	09/28/22	32.55	32.60	SVE-23
0700	09/29/22	32.59	32.90	SVE-23

PB

Rite in the Rain

Received by OCD: 4/3/2023 5:38:51 AM

Released to Imaging: 6/7/2024 10:32:31 AM
Received by OCD: 4/3/2023 5:38:51 AM

Location TNP Roswell Station Date 09/28/22

Project / Client Pulse Test MPE-40

For EarthCon/WSP By: CMB

Environmental & Geological Services, Inc. Page 1 of 1

Arrive on-site @ 06:40 hr.

Sunny 60°F WIND 0 mph

Humidity 53% Barometric Pressure 30.12" Hg. Solonist I.P.

Serial # 222719

MPE-40: 4" MPE well (2" pump)

DPSH = 65.30' DTW = 65.70'

65.70 - 65.30 = 0.40' PSH

Thickness. 0.40 x 0.65 =

0.26 Gallons PSH.

Started pumping MPE-40 @ 0650

Would not pump - MPE-40

pump is clogged with

Bio-Mass. Pump BO/Bad

Operating. Will dismantle

pump & Blow out all air

& discharge lines. - After

completion will Re-start

Pulse test MPE-40

PE

Location Date

Project / Client

Rite in the Rain

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12

16 Location TWP Roswell Station 9 Date 3/13/23

Project / Client Pulse Test For Earthcon / WSP By: CMB Environmental & Geological Services, Inc Page 1 of 4

MPE-10: 4" SCH 40 PVC MPE well.

DPSH = 68.74' DTW = 70.20'

70.20' - 68.74' = 1.46' DPSH/Napl

1.46 X 0.65 = 0.949 Gallons

Started pumping @ 0949 pumped 1 cycle and would not pump @ 10:05 pallet pump and @ 10:12 started bailing with 3.0' x 3.5" Stainless Steel Bailer

@ 10:23 Bailed 3 Gallons

DPSH = Ø DTW = 72.06

T.D. = 75.50'

Well	DPSH	DTW	Remarks
MPE-10	67.60	68.15	@ 0736 3/14/23
MPE-10	~~67.60~~ ~~68.15~~ 67.53 67.77	68.32	@ 0653 03/15/23
MPE-10	67.31	68.30	@ 0718 03/16/23
MPE-10	67.38	68.45	@ 0653 03/17/23

Location TWP Roswell Station 9 Date 3/13/23 17

Project / Client Pulse Test For Earthcon / WSP By: CMB Environmental & Geological Services, Inc. Page 2 of 4

MPE-12: 4" SCH 40 PVC MPE well

DPSH/Napl = 66.22 DTW = 66.75

T.D. = 71.90'

66.75 - 66.22 = 0.53' Napl

0.53' x 0.65 = 0.3445 Gallons.

Started bailing with 3.0' x 3.5" Stainless steel bailer @ 11:07

11:12 Bailed 3 Gallons

DPSH/Napl = Ø DTW = 70.40

T.D. = 71.90

Well	DPSH	DTW	Remarks
MPE-12	66.27	66.71	@ 0740 3/14/23
MPE-12	66.23	66.70	@ 0657 3/15/23
MPE-12	66.11	66.45	@ 0723 03/16/23
MPE-12	66.20	66.60	@ 0658 3/17/23

Rite in the Rain

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Location Twp Roswell Station 9 Date 3/15/23

Project / Client Pulse Test For Earthcon/WSP By: CMB Environmental & Geological Services Inc. Page 3 of 4

MPE-16: 4" SCH 40 PVC MPE well

DNAPL/PSH = ϕ DTW = ~~74.3~~ 67.02'

T.D. = 77.51'

No NAPL / PSH — pulled pump

Displacement ~~was~~ DTW - previously was 74.15

MPE-20: 4" SCH40 PVC MPE well w/pump

DNAPL/PSH = ~~67.67~~ DTW = 68.45'

T.D. = 76.10'

Top pump = 64.30 - inlet of pump above PSH/H2O

pulled pump.

68.45' - 67.67' = 0.78'

0.78' x 0.65 = 0.50 Gallons.

Started bailing with 3.0' x 3.5" Stainless steel Bailer.

11:49: ~~Bailed~~ Bailed 4 Gallons

DPSH/NAPL = ϕ DTW = 72.30'

Da
12
12
12
12
12

Location Twp Roswell Station 9 Date 3/13/23

Project / Client Pulse Test For Earthcon/WSP By: CMB Environmental & Geological Services Inc. Pg- 4 of 4

Well	DPSH	DTW =	Remarks
MPE-20	66.61	65.20	@ 0747 3/14/23
MPE-16	66.93	66.96	@ 0743 3/14/23
MPE-20	66.45'	65.78	@ 0706 3/15/23
MPE-16	66.95'	66.98'	@ 701 3/15/23
MPE-16	66.80	66.85	@ 0727 03/16/23
MPE-20	65.03	65.50	@ 0730 3/16/23
MPE-16	66.86	66.95	@ 0702 03/17/23
MPE-20	65.05	65.65	@ 706 03/17/23

most wells in this pump test would not pump due to PSH/water levels below top of pump inlet. Wells appear to have Recovered from pulse test.

Clayton Barnhart PG

Rite in the Rain

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District I
1625 N. French Dr., Hobbs, NM 88240
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 203113

CONDITIONS

Operator: Transwestern Pipeline Company, LLC 8501 Jefferson NE Albuquerque, NM 87113	OGRID: 329750
	Action Number: 203113
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the Submittal of the 2022 Groundwater Remediation Activities for the Former Surface Impoundments Annual Report: Content Satisfactory 1. Annual report has been accepted for the record. 2. Please include the results from the LNAPL transmissivity and LNAPL residual saturation in the next annual report if it hasn't been reported in the 2023 Annual Report. 3. Gauging of wells may be transitioned to a semi-annual schedule from monthly. 4. Include volume amounts for LNAPL recovered at the site in subsequent reports as previously conveyed. 5. Continue schedule for remediation and recovery efforts as well as conducting groundwater sampling events on a semi-annual basis. 6 Submit the 2023 and 2024 Annual Reports by April 1, 2025.	6/7/2024