PHASE II LANDFILL GAS INVESTIGATION
1321 FLIGHTWAY AVENUE SOUTHEAST
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO 87106

Prepared for:

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Prepared by:

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Sendero Environmental, LLC

Project No.: 25-134

August 29, 2025

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SUBJECT: Phase II Landfill Gas Investigation
1321 Flightway Avenue Southeast, Albuquerque, New Mexico 87106

Sendero Project Number: 25-134

Sendero Environmental, LLC (Sendero) is pleased to provide the results of the Phase II Landfill Gas Investigation (LFG) report of the address stated above (subject property). This assessment was performed in general conformance with the scope and limitations as detailed in then ASTM International Standard E-1903-19 Standard Practice for Environmental Site Assessments: Phase II Environmental Assessment Process.

This assessment included a field screening of on-site soils, field screening of on-site soil gases, and laboratory analysis of on-site soils. Soil samples were analyzed for RCRA-8 metals and liquid phase Volatile Organic Compounds (VOCs). Soil gas samples were analyzed for vapor phase VOCs.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please feel free to contact one of us at the following numbers.

Sincerely,

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EXECUTIVE SUMMARY

Sendero Environmental LLC (Sendero) was retained to conduct a Phase II Landfill Gas Investigation (LFG) of the subject property located at 1321 Flightway Avenue Southeast, Albuquerque, New Mexico 87106. This Phase II LEI report has been prepared for the exclusive use and reliance of Nicholas Eveleigh and Hospitality Management Services LLC.

The purpose of this Phase II LEI was to assess whether any landfill materials, or potential contamination from any landfill materials, may be present at the subject property. The assessment included a site visit to the subject property to perform field screening, collect samples, and oversee subcontractor investigation. The investigation resulted in the following:

Based on the conclusions of this investigation, Sendero makes the following recommendations:

- Production of landfill gases at the subject property were observed and were on-going during the duration of monitoring at the subject property. Sendero recommends that a vapor barrier be included in the foundation of any future structure. Sendero also recommends that methane off-gassing wells be installed below any future structure to give landfill gases a preferential path to escape to the environment, versus flowing in to structures.

- Any redevelopment of the property requires plans be submitted to, and reviewed by, the Albuquerque Environmental Health Department (AEHD). Requirements of the AEHD can range from complete excavation of the landfill material to interior methane (CH_4) monitoring. Coordination with the AEHD will be required for any permitting on the property. Any excavation of landfill material should be assessed by an appropriate geotechnical investigation to ensure excavation safety.

- Caution should be exercised to prevent water from entering the subsurface at the subject property so that the risk of reactivating the landfill bacteria and creating an issue with CH_4 production is minimized. Reactivation can happen when water is introduced to landfill material and bacteria subsequently produce CH_4.

ABBREVIATIONS

ac	acre(s)
AEHD	Albuquerque Environmental Health Department
AGIS	Albuquerque Geographic Information System
AMAFCA	Albuquerque Metropolitan Arroyo Flood Control Authority
Ave	avenue
AST	aboveground storage tank
ASTM	American Society for Testing and Materials Now known as ASTM International
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene and xylene
Blvd	Boulevard
CAS	Chemical Abstracts Service number
CEP	Compliance and Enforcement Program
CEPC	Compliance and Enforcement Program Cleanup
CFR	Code of Federal Regulations
CH_4	Methane
CO	Carbon Monoxide
CO_2	Carbon Dioxide
DNAPL	Dense Non-Aqueous Phase Liquid petroleum hydrocarbons
Dr	Drive
DRO	Diesel Range Organics
E	East
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
°F	degrees Fahrenheit
ft	foot/feet
ft^2	square-foot/foot-squared/feet-squared
gal	gallon(s)
GRO	Gasoline Range Organics
H_2S	Hydrogen Sulfide
ID	Identification (Number)
in.	inch/inches
K	Kilo, x1,000
Kg	Kilogram
LEI	Limited Environmental Investigation
LEL	Lower Explosive Limit
LLC	Limited Liability Company
Ln	Lane
LNAPL	Light Non-Aqueous Phase Liquid petroleum hydrocarbons
LST	Leaking (Underground) Storage Tank
m	milli, x0.0001
mg/L	milligrams per Liter
mg/Kg	milligrams per Kilogram
mi.	mile(s)
MTBE	Methyl Tert-Butyl Ether
MW	Monitoring Well
MRO	Motor oil Range Organics
NAPL	Non-Aqueous Phase Liquid petroleum hydrocarbons
N	North
NE	Northeast
NFA	No Further Action
NM	New Mexico
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
No.	Number
NMOSE	New Mexico Office of the State Engineer
No.	Number
NPL	National Priority List
NW	Northwest
O_2	Oxygen
PAHs	Polycyclic Aromatic Hydrocarbons
PCB	polychlorinated biphenyl
PID	Photo Ionization Detector Meter
ppm	parts per million
PSTB	Petroleum Storage Tank Bureau
R	Range
RCRA	Resource Conservation Recovery Act
RCY	Recycler
REC	Recognized Environmental Condition
Rd	Road
S	South
SE	Southeast
Sec	Section
SSL	Soil Screening Level
St	Street
SVOC	Semi-Volatile Organic Compounds
SW	Southwest
T	Township
TPH	Total Petroleum Hydrocarbons
µg/L	micrograms per liter
UNM	University of New Mexico
USGS	United States Geological Survey
UST	Underground Storage Tank
VISL	Vapor Intrusion Screening Level
VOCs	Volatile Organic Compounds
VRP	Volunteer Remediation Program
W	West
WATERS	Water Assessment, Tracking & Environmental Result System
WQCCR	Water Quality Control Commission Regulations
yd^3	cubic yards

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1.0 INTRODUCTION AND BACKGROUND

This report presents the results of a Landfill Gas Investigation (LGI) that was conducted by Sendero of the subject property located at 1321 Flightway Avenue Southeast. The subject property is located in Albuquerque, Bernalillo County, New Mexico 87106 (Appendix A, Figure 1). This LGI report has been prepared for the exclusive use and reliance of Nicholas Eveleigh and Hospitality Management Services LLC. Use or reliance by any other party is prohibited without the written authorization of Mr. Eveleigh, Hospitality Management Services LLC, and Sendero.

Sendero was asked to investigate the Schwartzman landfill's impact on the subject property prior to development of the subject property as required by the Albuquerque Environmental Health Department (AEHD). The AEHD projected the location of the landfill on the western portion of the subject property with the eastern portion of the subject property projected within the 1000-ft buffer zone for landfill gases.

The following information is based on preliminary research done by Sendero prior to mobilization to the site.

- The Schwartzman landfill SWF/LF facility is located under the subject property. This landfill consists of four separate areas separated by the AMAFCA South Diversion Channel and I-25, comprising a total of ~79-acres. Gravel mining occurred in this area since around 1951. Portions of the gravel pits were filled in by 1973 and most of the area was backfilled and graded over by 1991. The information obtained indicates that surface dumping also occurred in this area, mostly during the 1980s and early 1990s. Most of the dumping appeared to consist of construction debris and some residential trash. A pit east of I-25 was used as a shooting range by the Circle 6 Gun Club (1960-1972) and lead concentrations may be elevated in that area. This landfill was not formally operated by the City of Albuquerque. The exact boundaries of the landfill, the types of debris deposited, and the dates of operation are not known. In fact, information concerning the existence of the landfill is conflicting. AGIS indicates that the northwest cell of the Schwartzman Landfill is located adjacent to the northeast corner of the subject property. In addition, the southwest cell of the Schwartzman Landfill is located on the east side of the South Diversion Channel. AGIS has established a 1,000-foot buffer zone around the Schwartzman Landfill and the subject property is wholly located within the landfill buffer zone and is subject to the Albuquerque Environmental Health Department (AEHD) Interim Guidelines for development within landfill buffer zones (*Interim Guidelines*).

  A Phase I ESA of the Schwartzman Landfill area was prepared for AEHD by Intera, Inc. (Intera, dated July 6, 2005). The Phase I ESA concluded that the area had historically been

sand and gravel pits, surface dumping had occurred, and that portions of the surface dumping had been cleaned up. The Intera report referenced a 1995 corridor assessment for the New Mexico Department of Transportation that identified 15 illegal dump sites along the I-25 right-of-way and this may have been the first reference to the Schwartzman area as an illegal dump site. Illegal surface dumping was also noted in a 1998 report and subsurface debris was reported while drilling 4 of 61 boreholes for an I-25 project in 1999. Intera further concluded that the former sand and gravel pits may have been partially backfilled with debris since that was a common historical practice, the exact boundary of the dumping could not be delineated, and that the Schwartzman area should be classified as a landfill until proven otherwise or better delineated by Phase II investigations. Conflicting with the Intera report, representatives of the Schwartzman Trust have adamantly insisted that there has been no landfill in the area. The Schwartzman representatives have stated that historical drilling for the South Valley Superfund Site and other projects did not encounter subsurface debris, and utility trenches and stormwater channels had encountered no debris other than concrete and asphalt.

A Vinyard & Associates (V&A) project (Project No. 10-1-010, dated February 23, 2010) for the City's John Marshall Kitchen Replacement Facility at 2540 Karsten Court (~1,200-ft north of the subject property) identified subsurface petroleum-contaminated soil, construction debris, and asbestos-containing subsurface debris (northwest cell of the Schwartzman Landfill). The contaminants were excavated prior to construction of the facility. V&A installed two temporary vapor monitoring wells at the Karsten Court property in January 2010. The two wells were screened five times and methane as a percentage of the Lower Explosive Limit (LEL) was not detected. However, since subsurface debris had been encountered on-site and extended off-site, a landfill gas mitigation design for development of the site consisted of sealing cracks and utility penetrations through the slab, placing an impermeable barrier beneath the concrete slab, and venting utility trenches.

A residential development (Cottages of New Mexico) on a 20-acre tract encountered subsurface debris in 2012 ~650-ft east of the subject property. A Terracon report (Project No. 66137020) dated January 19, 2015 and titled, Landfill Debris Excavation and Removal Report, states that the debris consisted mostly of concrete and asphalt with minor quantities of tires, plastic, wood, and metal. Thirty-three geotechnical boreholes were drilled, seven test pits were excavated, 38 soil vapor probes were installed, and two groundwater monitoring wells were drilled to investigate subsurface conditions. Methane concentrations were not detected in excess of 3% of the LEL. Subsurface debris was excavated between August 2013 and March 2014. The excavation measured ~300- by 600-ft and was ~30-ft deep. Asbestos-containing pipe from the excavation was properly disposed. Approximately 8,300-pounds of plastic, wood, metal, and 748 tires were removed and transported off-site for proper disposal.

The concrete and asphalt were placed back in the excavation as clean fill. The Terracon report states that buried debris extended north off-site. Landfill gas venting was not recommended since subsurface debris had consisted mostly of inert concrete and asphalt.

Based upon the project location of the Schwartzman landfill, a LGI was performed to investigate the potential presence landfill material, maximum depth of buried landfill material, thickness of soil cover above the landfill material, and potential impacts from landfill gasses.

2.0 SUBJECT PROPERTY DESCRIPTION AND FEATURES

The irregularly-shaped subject property is located at 1321 Flightway Avenue Southeast, Albuquerque, Bernalillo County, New Mexico 87106. The property is located along the in the center along west side of the northwest Quarter Section 33 Township 10 North Range 3 East.

According to the AGIS website, the subject property is located on atlas page M-15-Z and located in NR-BP". This Non-Residential − Business Park Zone District is to accommodate a wide range of nonresidential uses in campus-like settings to buffer potential impacts on surrounding uses and adjacent areas. Allowable uses include a wide variety of office, commercial, research, industrial, distribution, showroom, processing, and institutional uses.

According to the Bernalillo County Assessor's website, the subject property is listed as UPC number 101505514332720335 and consists of an ~4.56-acre vacant, undeveloped lot. The land use code is listed as "vacant contaminated". The legal description is listed as "Lot 1-A Plat of Lots 1-A, 2-A, and 3-A Block 1 Sunport Park (Replacement of Lots 1 and 2 Block 1) Containing 4.5612-Acres.

The subject property consists of an undeveloped lot. The subject property is currently not in use.

2.1 TOPOGRAPHY

According to the Google Earth Pro, the elevation of the subject property is ranges from ~5,067- to 5,089-ft above mean sea level. Regional topography slopes downhill to the west, toward the Rio Grande.

2.2 GEOLOGY

The Albuquerque-Belen Basin is part of an interconnected series of north-south aligned grabens and structural basins that have subsided between uplifts, comprising the Rio Grande Rift. The

complex structural basin formed during the Tertiary Period when the Sandia-Manzano fault-block was uplifted and tilted. In conjunction with subsidence of the rift, erosion from the adjacent uplifted blocks formed considerable valley fill, which is comprised of coalescing alluvial fans deposited unconformably over the Miocene-Pliocene Santa Fe Group. The piedmont sediments were deposited as arroyo channel fill and lenticular interchannel deposits.

The subject property is located on tributary stream-valley alluvium deposits of the Rio Grande. This intermediate stream-valley alluvium of Tijeras Canyon is middle Pleistocene in age. This unit is described as sand and gravel associated with former drainage courses of the Tijeras Canyon. This unit contains greenstone and sandstone; and interfingers with intermediate stream-valley alluvium that contains pink Sandia granite and limestone. This unit is divided into three subunits based on inset relationships and soil morphology. The subject property is located on the intermediate subunit.

The east central border of the subject property is located less than 100-ft northwest of the eastern edge of the Rio Grande terraces, ~0.65-mi. northeast of the northwest striking Atrisco-Barelas zone monocline, on the lower limb, ~1.01-mi. east-southeast of the western edge of the ancestral Rio Grande Deposits, and ~1.30-mi. east-southeast of the Rio Grande.

2.3 SOIL

The 2024 United States Department of Agriculture Natural Resource Conservation Service soil survey for Bernalillo County and Parts of Sandoval and Valencia Counties, New Mexico was reviewed on August 9, 2025. The subject property has two soil types: Bluepoint loamy fine sand and the Wink fine sandy loam soil. The Wink fine sandy loam soil comprises ~97% of the subject property. This soil has 0 to 5% slopes. This soil is described as fine sandy loam and sandy loam. The permeability range of this soil is 2.00- to 6.00-inches per hour. The pH of this soil is 8.2. The potential for corrosion of concrete is low, and the potential for corrosion of steel is moderate. The Bluepoint loamy fine sand soil comprises ~3% of the subject property on the far northeast and southeast corners of the subject property. This soil has 1- to 9% percent slopes and is described as loamy fine sand and loamy sand. The permeability range of this soil is 6.00- to 20.04-inches per hour. The pH of this soil is 8.2. The potential for corrosion of concrete is moderate, and the potential for corrosion of steel is moderate.

2.4 HYDROGEOLOGY

The NMOSE WATERS database was accessed on August 9, 2025. It indicated that there are two registered wells within the same section as the subject property with depth to aquifer water level information. The shallowest depth to water was 28-ft bgs, and likely tapped a smaller lens of water.

The deepest depth to water was 145-ft bgs, and this is more indicative of the regional aquifer water levels. The nearest municipal well is Miles 1, located ~950-ft east-southeast of the subject property. This well was drilled in 1974, and the static depth to water on December 15, 1997 was 260.70-ft bgs. Groundwater in the subject property appears to flow east-southeast; however, is likely impacted by municipal well pumping. The USGS produced ground water elevation contours in 2023 which indicate ground water level elevation beneath the subject property to be ~4,910- to 4,899-ft above mean sea level, which calculates to ~157- on the northwest corner, to ~190-ft bgs on the northeast corner, at the subject property.

3.0 WORK PERFORMED

3.1 SAFETY

A site-specific Health and Safety Plan (HASP) was prepared for the project. The HASP was reviewed and signed by Sendero Environmental prior to sampling. All Sendero Environmental representatives have current OSHA 29 CFR 1920.120 40-hour Hazardous Waste Operations and Emergency Response training and current annual refresher classes. A cellular telephone, a fire extinguisher, a first aid kit, a small spill cleanup kit, and a respirator were available on-site.

3.2 UTILITY LOCATES

Sendero contacted New Mexico One Call to locate underground utilities prior to drilling. Sendero contacted NM811 for standard public utility locating services on June 20, 2025 under ticket number 25JN200962.

3.3 GPR INVESTIGATION

On June 20, 2025, Sendero hired a subcontractor to perform a ground penetrating radar (GPR) survey of the subject property to identify subsurface features such as utilities and piping. The subcontractor, GPRS, used a Geophysical Survey Systems, Inc. Utility Scan GPR instrument that scanned at 350 megahertz to an investigation depth of 5- to 7-ft bgs. GPRS also used an electro-magnetic locator model VIVAX/Metrotech vLoc to confirm findings. A smaller GPR instrument, Proceq 8800 was used to clear borehole locations. With the combination of the instruments used, GPRS was able to clear the borehole locations, or make recommendations on where to move the boreholes to avoid underground utilities or other structures. The full copy of GPRS's report, with photographs, is included as Appendix D. Based on the results of the survey, Sendero selected the final drilling locations.

3.4 SOILS INVESTIGATION

On June 30, 2025, Environmental Drilling and Drones utilized a GeoProbe® 7822DT direct push DT22 soil sampling system to collect continuous core soil samples to total depth. The Geoprobe® 6620DT uses a GeoProbe® GH62 drive hammer with 450-foot pounds of torque with a rotational rate of 240-revolutions per minute. The Dual-Tube DT22 soil sampling system utilizes 4-ft long probe rods that have an outer diameter of 2.25-in. The inner cores were fitted with new acetate tubes that were removed and split length-wise to expose the full-length soil samples. Soil samples consisted of a 1.25-in. diameter continuous soil core. Soil borings B-1, B-2, B-3, and B-4 were attempted with this method. Boring B-1 was completed to 28-ft bgs; however, when tripping out of the boring, 16-ft of drill pipe broke off of the main string and remained in place. Boring B-2, and B-3 were only able to reach 8-ft bgs with the DT22 soil sampling system. Soil boring B-4 reached 16-ft bgs with the DT22 soil sampling system. The limited ability for the DT-22 soil sampling system to penetrate the subject property to projected depths, caused Sendero to determine that a different soil sampling method would need to be utilized.

On July 1, 2025, Environmental Drilling and Drones utilized hollow stem auger to install landfill gas sampling points to total depth. Soil samples were collected on the outside of the auger at 5-ft intervals to a total depth. Cuttings were constantly monitored for trash while drilling. Borings B-2, B-3, B-5, B-7 and B-8 were sampled to a total depth of 25-ft bgs. Borings B-6, and B-9 met refusal at 20-ft bgs.

The approximate sample locations are listed in Table 1 and are indicated in Appendix A Figure 3. Selected site digital images are provided as Appendix B. Borehole logs are provided as Appendix E.

Table 1. Approximate Sample Borehole Locations

Borehole Name	Latitude, North	Longitude, West	Location Description
B-1/LFG-1	35° 3'11.09"	106°38'1.46"	Northeast corner
B-2/LFG-2	35° 3'10.41"	106°38'2.93"	East central
B-3/LFG-3	35° 3'10.94"	106°38'3.40"	West of east central
B-4/LFG-4	35° 3'12.97"	106°38'4.31"	North central
B-5/LFG-5	35° 3'11.09"	106°38'4.83"	Center
B-6/LFG-6	35° 3'9.05"	106°38'5.51"	South central
B-7/LFG-7	35° 3'8.00"	106°38'6.60"	Southwest
B-8/LFG-8	35° 3'10.66"	106°38'6.36"	West central
B-9/LFG-9	35° 3'12.61"	106°38'6.28"	Northwest

Small pieces of ceramic tile were encountered at 5-ft bgs in boring B-3. The tile appeared modern in nature. No other trash or construction debris was encountered in any of the boreholes installed at any other depths at the subject property.

Information available from the City of Albuquerque indicates that the historical landfill would be on ~80% of the subject property and 20% of the property in the landfill buffer, see Appendix A, Figure A-2. Soil boring logs do not indicate landfill material extends onto the subject property; however, soil gas measurements indicate the property is still impacted by landfill gases.

3.5 FIELD SCREENING OF SOIL SAMPLES

Sendero performed field screening of the soil samples using a Multi-RAE Lite Photo Ionization Detector meter (PID) and RKI Instruments GX-6000 infrared (IR) gas detector meter. Sendero obtained soil samples from the ground surface to the total depths of each of the three boreholes. Field screening with the PID and IR meter assisted in selecting soil samples for laboratory analysis.

Sendero performed the field screening using the heated headspace method which is approved for use at Leaking-UST sites by the NMED. Sendero placed each soil sample in a clean glass jar, sealed the jar with aluminum foil, and allowed the jar and soil sample to warm. The sample jars were then shaken vigorously for a minimum of one minute before field screening with the Multi-RAE Lite PID meter and RKI GX-6000.

The Multi-RAE Lite has an accuracy of $\pm$3%; therefore, measurements within 3 PID units are considered within the error range of the instrument. The RKI GX-6000 has an accuracy of $\pm$2%; therefore, measurements within 2% are considered within the error range of the instrument The NMED recommended action level for field screening results is 100 PID units. The soil cores were visually inspected during the field sampling for stained soil, and any odors were also logged during the sampling process. The results of the field screening are listed in the following table.

Table 2. Borehole Soil Sample Field Screening Results

Borehole Name	Depth ft bgs	Oxygen percent	Lower Explosive Limit percent	Carbon Monoxide, ppm	Hydrogen Sulfide, ppm	VOCs, meter units	Methane, % LEL	Carbon Dioxide, ppm
B-1	0 - 2	20.6	0	0	0.0	0	0	400
B-1	2 - 4	20.2	0	0	0.0	0	0	5,220
B-1	4 - 6	20.0	0	0	0.0	0	0	6,300
B-1	6 - 8	20.3	0	0	0.0	0	0	4,580
B-1	8 - 10	20.3	0	0	0.0	0	0	4,720
B-1	10 - 12	20.3	0	0	0.0	0	0	4,200
B-1	12 - 14	20.3	0	0	0.0	0	1	3,040
B-1	14 - 16	20.4	0	0	0.0	0	0	2,700
B-1	16 - 18	20.5	0	0	0.0	0	0	2,900
B-1	18 - 20	20.5	0	0	0.0	0	0	3,500
B-1	20 - 22	20.3	0	0	0.0	0	0	3,180
B-1	22 - 24	20.3	0	0	0.0	0	0	2,840
B-1	24 - 26	20.4	0	0	0.0	0	0	2,680
B-1	26 - 28	20.5	0	0	0.0	0	0	40
B-2	0 - 2	20.2	0	0	0.0	0	0	500
B-2	2 - 4	20.4	0	0	0.0	0	0	3200
B-2	4 - 6	20.4	0	0	0.0	0	0	4100
B-2	6 - 8	20.6	0	0	0.0	0	0	2900
B-3	0 - 5	20.7	0	0	0.0	0	0	850
B-3	5 - 10	20.7	0	0	0.0	0	0	320
B-3	10 - 15	20.9	0	0	0.0	0	0	480
B-3	15 - 20	20.9	0	0	0.0	0	0	520
B-3	20 - 25	20.9	0	0	0.0	0	0	430
B-4	0 - 2	20.6	0	0	0.0	0	0	620
B-4	2 - 4	20.5	0	0	0.0	0	0	580
B-4	4 - 6	20.5	0	0	0.0	0	0	600
B-4	6 - 8	20.9	0	0	0.0	0	0	420
B-4	8 - 10	20.9	0	0	0.0	0	0	520
B-4	10 - 12	20.9	0	0	0.0	0	0	540
B-4	12 - 14	20.8	0	0	0.0	0	0	1,000
B-4	14 - 16	20.8	0	0	0.0	0	0	680
B-5	0 - 5	20.9	0	0	0.0	0	0	380
B-5	5 - 10	20.7	0	0	0.0	0	0	460
B-5	10 - 15	20.9	0	0	0.0	0	0	450
B-5	15 - 20	20.9	0	0	0.0	0	0	520
B-5	20 - 25	20.9	0	0	0.0	0	0	300
B-6	0 - 5	20.9	0	0	0.0	0	0	510
B-6	5 - 10	20.9	0	0	0.0	0	0	490
B-6	10 - 15	20.9	0	0	0.0	0	0	340
B-6	15 - 20	20.9	0	0	0.0	0	0	820

Table 2. Borehole Soil Sample Field Screening Results, continued

Borehole Name	Depth ft bgs	Oxygen percent	Lower Explosive Limit percent	Carbon Monoxide, ppm	Hydrogen Sulfide, ppm	VOCs, meter units	Methane, % LEL	Carbon Dioxide, ppm
B-7	0 - 5	20.9	0	0	0.0	0	0	420
B-7	5 - 10	20.7	0	0	0.0	0	0	390
B-7	10 - 15	20.9	0	0	0.0	0	0	320
B-7	15 - 20	20.9	0	0	0.0	0	0	400
B-7	20 - 25	20.9	0	0	0.0	0	0	390
B-8	0 - 5	20.7	0	0	0.0	0	0	420
B-8	5 - 10	20.9	0	0	0.0	0	0	560
B-8	10 - 15	20.9	0	0	0.0	0	0	320
B-8	15 - 20	20.9	0	0	0.0	0	0	380
B-8	20 - 25	20.9	0`	0	0.0	0	0	440
B-9	0 - 5	20.9	0	0	0.0	0	0	250
B-9	5 - 10	20.9	0	0	0.0	0	0	320
B-9	10 - 15	20.9	0	0	0.0	0	0	350
B-9	15 - 20	20.9	0	0	0.0	0	0	370

The middles and bottoms of each of the boreholes were selected for laboratory analysis as no field screening readings indicated a depth for preferential sampling.

3.6 FIELD SCREENING OF LANDFILL GASES

After the soil samples had been collected, the nine sample boreholes were converted into temporary landfill gas sampling points. The temporary casings installed in each borehole had an outside diameter of 1.5-in and consisted of screen below blank PVC. Clean sand was installed in the annular space between the well screen and the borehole in each air sampling well. BenSeal® annular seal was installed above the sand to surface. The BenSeal® was hydrated after installation. The tops of each of the temporary landfill gas sampling point were fitted with a barbed sampling port, which was closed during the times between landfill gas sampling events. The depths for each of the temporary landfill gas sampling points are presented in the following table.

Table 3. Approximate Temporary Landfill Gas Sampling Point Depths and Screened Interval

Location	Depth, ft bgs	Screened Interval, ft bgs
LFG-1	28	28*, 12 to 3
LFG-2	18	18 to 3
LFG-3	20	20 to 5
LFG-4	16	16 to 3
LFG-5	22	22 to 7
LFG-6	18	18 to 3
LFG-7	20	20 to 5
LFG-8	20	20 to 5
LFG-9	20	20 to 5

* open end of drill pipe, broke off while tripping out

After completing the installation of the casings and the annular seals, Sendero performed the initial field screening for landfill gases using a Multi-RAE Lite PID meter for VOCs, carbon monoxide (CO), hydrogen sulfide (H_2S), lower explosive limit of isobutylene (LEL), and oxygen (O_2). Methane concentrations with the Multi-RAE Lite, are measured as a percentage of the LEL of isobutylene, where a concentration of 5% CH_4 in air is equivalent to 100% of the LEL of isobutylene.

Additionally, Sendero utilized a RKI Instruments GX-6000 IR gas detector meter in its initial field screening. The RKI GX-6000 was used to field screen for O_2, H_2S, carbon dioxide (CO_2), and methane (CH_4). Concentrations of CH_4 are measured directly with the RKI GX-6000. The CH_4 measurement is displayed first as a percentage of the LEL of CH_4, where 100% LEL equals 5% CH_4 in air by volume. The Multi-RAE Lite is calibrated every 6 months, last calibrated on March 4, 2025 by Mallory Safety and Supply, and the RKI GX-6000 is calibrated every 90-days, last calibrated on July 7, 2025 by Mallory Safety and Supply. Both calibration schedules follow their respective manufacturer recommendations.

Successful installation was verified by comparing O_2 concentrations in the sampling points immediately after installation to readings after purging three sampling point volumes. The significant drop in O_2 readings demonstrated that a proper seal was installed, isolating the screened interval from the atmosphere.

Sendero used the Multi-RAE Lite PID meter and the a RKI GX-6000 IR gas detector meter to field screen for landfill gases three times a week for four weeks, from July 7 to August 8, 2025. Parameters screened were the same as for the initial screening. Sendero recorded the peak

measurements for VOCs, CO, H_2S, CH_4 as a percentage of the LEL of isobutylene, CO_2, and CH_4. Stabilized measurements were recorded for O_2. Landfill gas measurements were obtained from each well after readings had stabilized before moving to the next well. The field screening results are provided in Table 4.

After monitoring, the PVC casings were removed, the boreholes were filled in with bentonite chips, and then these chips were hydrated.

Table 4 Field Screening Results of Temporary Landfill Gas Sampling Wells

DATE	TIME	LFG-1							LFG-2							LFG-3						
		O_2 %	LEL %	CO ppm	H_2S ppm	VOC meter units	CH_4 % LEL	CO_2 ppm	O_2 %	LEL %	CO ppm	H_2S ppm	VOC meter units	CH_4 %	CO_2 ppm	O_2 %	LEL %	CO ppm	H_2S ppm	VOC meter units	CH_4 %	CO_2 ppm
7/7/2025	14:41 - 15:58	10.2/9.8	0	0	0.0/0.0	0	7	>10,000	20.2/20.0	0	0	0.0/0.0	0	2	2,780	20.1/21.8	0	0	0.0/0.0	0	0	3,840
7/10/2025	09:39 - 10:58	13.9/11.2	0	0	0.0/0.0	0	3	>10,000	20.5/20.1	0	0	0.0/0.0	0	1	2,120	20.5/20.2	0	0	0.0/0.0	0	0	4,040
7/11/2025	14:18 - 15:32	10.6/9.4	0	0	0.0/0.0	0	0	>10,000	20.3/20.1	0	0	0.0/0.0	0	2	2,640	20.6/20.3	0	0	0.0/0.0	0	0	4,280
7/14/2025	12:27 - 13:42	8.5/8.4	0	0	0.0/0.0	1	12	>10,000	20.3/20.1	0	0	0.0/0.0	1	27	2,480	20.3/20.2	0	0	0.0/0.0	0	2	3,980
7/16/2025	14:16 - 15:43	8.2/8.1	0	0	0.0/0.0	0	0	>10,000	20.2/19.8	0	0	0.0/0.0	0	0	2,940	20.4/20.4	0	0	0.0/0.0	0	0	4,120
7/18/2025	15:12 - 16:30	7.9/7.2	0	0	0.0/0.0	1	8	>10,000	20.0/19.8	0	0	0.0/0.0	0	0	2,870	20.1/20.0	0	0	0.0/0.0	0	0	3,920
7/21/2025	12:58 - 14:22	7.5/7.5	0	0	0.0/0.0	2	9	>10,000	20.2/19.9	0	0	0.0/0.0	1	9	2,640	20.2/20.2	0	0	0.0/0.0	0	0	4,280
7/23/2025	17:17 - 18:22	7.2/7.5	0	0	0.0/0.0	0	0	>10,000	20.3/20.0	0	0	0.0/0.0	0	0	3,060	20.4/20.3	0	0	0.0/0.0	0	0	3,500
7/25/2025	16:40 - 17:49	7.2/7.5	0	0	0.0/0.0	1	3	>10,000	20.0/19.4	0	0	0.0/0.0	2	9	3,680	20.2/20.0	0	0	0.0/0.0	0	1	4,660
7/28/2025	15:08 - 16:22	7.2/7.1	0	0	0.0/0.0	2	12	>10,000	19.9/19.7	0	0	0.0/0.0	1	6	2,880	20.3/19.8	0	0	0.0/0.0	0	0	4,100
7/30/2025	13:00 - 14:20	7.0/6.8	0	0	0.0/0.0	2	6	>10,000	20.0/19.5	0	0	0.0/0.0	0	5	3,240	20.3/20.0	0	0	0.0/0.0	0	0	4,420
8/1/2025	12:35 - 14:12	7.0/7.0	0	0	0.0/0.0	2	4	>10,000	20.3/19.8	0	0	0.0/0.0	1	2	2,520	20.3/20.2	0	0	0.0/0.0	0	0	4,360

O_2 and H_2S were recorded from both meters, measurements shown are for the Multi-RAE Lite then for the RKI GX-6000.

Table 3 Field Screening Results of Temporary Landfill Gas Sampling Wells, continued

DATE	TIME	LFG-4							LFG-5							LFG-6						
		O_2 %	LEL %	CO ppm	H_2S ppm	VOC meter units	CH_4 % LEL	CO_2 ppm	O_2 %	LEL %	CO ppm	H_2S ppm	VOC meter units	CH_4 %	CO_2 ppm	O_2 %	LEL %	CO ppm	H_2S ppm	VOC meter units	CH_4 %	CO_2 ppm
7/7/2025	14:41 - 15:58	20.0/20.5	0	0	0.0/0.0	0	0	980	20.1/19.9	0	0	0.0/0.0	0	0	4,380	20.2/19.8	0	0	0.0/0.0	0	0	1,920
7/10/2025	09:39 - 10:58	20.4/20.1	0	0	0.0/0.0	0	0	1,760	20.1/20.0	0	0	0.0/0.0	0	0	4,500	20.3/20.0	0	0	0.0/0.0	0	0	1,940
7/11/2025	14:18 - 15:32	20.7/20.5	0	0	0.0/0.0	0	0	1,780	20.2/20.4	0	0	0.0/0.0	0	1	4,000	20.7/20.5	0	0	0.0/0.0	0	0	1,980
7/14/2025	12:27 - 13:42	20.5/20.4	0	0	0.0/0.0	0	1	1,640	20.3/20.3	0	0	0.0/0.0	0	2	3,700	20.5/20.3	0	0	0.0/0.0	0	0	1,800
7/16/2025	14:16 - 15:43	20.7/20.6	0	0	0.0/0.0	0	0	1,800	20.5/20.4	0	0	0.0/0.0	0	0	4,220	20.7/20.6	0	0	0.0/0.0	0	0	1,960
7/18/2025	15:12 - 16:30	20.3/20.2	0	0	0.0/0.0	0	0	1,890	20.3/20.2	0	0	0.0/0.0	0	0	4,120	20.6/20.6	0	0	0.0/0.0	0	0	1,750
7/21/2025	12:58 - 14:22	20.4/20.6	0	0	0.0/0.0	0	0	1,820	20.2/20.0	0	0	0.0/0.0	0	1	4,020	20.4/20.4	0	0	0.0/0.0	0	0	1,540
7/23/2025	17:17 - 18:22	20.4/20.3	0	0	0.0/0.0	0	0	1,940	20.3/20.0	0	0	0.0/0.0	0	1	4,340	20.5/20.3	0	0	0.0/0.0	0	1	2,040
7/25/2025	16:40 - 17:49	20.3/20.1	0	0	0.0/0.0	0	0	1,820	20.0/19.8	0	0	0.0/0.0	0	0	4,420	20.4/20.0	0	0	0.0/0.0	0	0	2,080
7/28/2025	15:08 - 16:22	20.4/20.3	0	0	0.0/0.0	0	0	1,740	20.1/19.8	0	0	0.0/0.0	0	1	3,940	20.4/20.2	0	0	0.0/0.0	0	0	1,400
7/30/2025	13:00 - 14:20	20.5/20.3	0	0	0.0/0.0	0	1	1,760	20.0/19.8	0	0	0.0/0.0	0	2	4,080	20.6/20.3	0	0	0.0/0.0	0	1	1,840
8/1/2025	12:35 - 14:12	20.7/20.5	0	0	0.0/0.0	0	0	2,040	20.4/20.0	0	0	0.0/0.0	0	1	3,720	20.7/20.6	0	0	0.0/0.0	0	0	2,040

O_2 and H_2S were recorded from both meters, measurements shown are for the Multi-RAE Lite then for the RKI GX-6000.

Table 3 Field Screening Results of Temporary Landfill Gas Sampling Wells, continued

DATE	TIME	LFG-7							LFG-8							LFG-9						
		O_2 %	LEL %	CO ppm	H_2S ppm	VOC meter units	CH_4 % LEL	CO_2 ppm	O_2 %	LEL %	CO ppm	H_2S ppm	VOC meter units	CH_4 %	CO_2 ppm	O_2 %	LEL %	CO ppm	H_2S ppm	VOC meter units	CH_4 %	CO_2 ppm
7/7/2025	14:41 - 15:58	20.2/20.1	0	0	0.0/0.0	0	0	6,400	20.3/20.0	0	0	0.0/0.0	0	0	6,860	20.2/19.7	0	0	0.0/0.0	0	0	2,560
7/10/2025	09:39 - 10:58	20.5/19.9	0	0	0.0/0.0	0	1	6,740	20.0/19.7	0	0	0.0/0.0	0	0	6,960	20.3/20.0	0	0	0.0/0.0	0	0	2,860
7/11/2025	14:18 - 15:32	20.7/20.3	0	0	0.0/0.0	0	1	7,060	20.1/20.4	0	0	0.0/0.0	0	1	7,020	20.4/20.0	0	0	0.0/0.0	0	0	2,840
7/14/2025	12:27 - 13:42	20.1/19.8	0	0	0.0/0.0	0	0	6,840	20.0/20.0	0	0	0.0/0.0	0	0	6,680	20.4/20.3	0	0	0.0/0.0	0	0	2,720
7/16/2025	14:16 - 15:43	20.1/20.0	0	0	0.0/0.0	0	0	7,200	20.2/20.1	0	0	0.0/0.0	0	0	7,040	20.7/20.5	0	0	0.0/0.0	0	0	2,920
7/18/2025	15:12 - 16:30	20.0/19.9	0	0	0.0/0.0	0	0	6,600	20.5/20.4	0	0	0.0/0.0	0	0	7,200	20.5/20.4	0	0	0.0/0.0	0	0	3,020
7/21/2025	12:58 - 14:22	20.1/19.6	0	0	0.0/0.0	0	1	6,220	19.9/19.6	0	0	0.0/0.0	0	1	7,420	20.4/20.2	0	0	0.0/0.0	0	0	3,160
7/23/2025	17:17 - 18:22	19.9/19.6	0	0	0.0/0.0	0	0	7,440	19.7/19.4	0	0	0.0/0.0	0	1	7,300	20.2/20.0	0	0	0.0/0.0	0	0	3,100
7/25/2025	16:40 - 17:49	19.8/19.4	0	0	0.0/0.0	0	0	7,720	19.9/19.5	0	0	0.0/0.0	0	0	7,680	20.0/19.8	0	0	0.0/0.0	0	0	3,680
7/28/2025	15:08 - 16:22	19.9/19.5	0	0	0.0/0.0	0	1	6,780	19.9/19.6	0	0	0.0/0.0	0	1	6,820	20.0/19.9	0	0	0.0/0.0	0	0	2,790
7/30/2025	13:00 - 14:20	20.0/19.5	0	0	0.0/0.0	0	0	7,860	20.1/19.5	0	0	0.0/0.0	0	1	7,690	20.4/20.1	0	0	0.0/0.0	0	0	3,040
8/1/2025	12:35 - 14:12	20.0/19.8	0	0	0.0/0.0	0	0	7,760	20.2/19.8	0	0	0.0/0.0	0	0	7,520	20.8/20.6	0	0	0.0/0.0	0	0	2,888

O_2 and H_2S were recorded from both meters, measurements shown are for the Multi-RAE Lite then for the RKI GX-6000.

4.0 PRESENTATION AND EVALUATION OF RESULTS

4.1 TEMPORARY LANDFILL GAS SAMPLING POINT FIELD SCREENING

The Multi-RAE Lite PID was used to detect concentrations of VOCs, CO, H_2S, LEL, and O_2. LEL is used to derive CH_4 concentrations where 100% LEL is equivalent to 5% CH_4 in air. The RKI GX-6000 was used to detect concentrations of O_2, H_2S, CO_2, and CH_4.

Using the Multi-RAE Lite PID meter and the RKI GX-6000 gas detector meter, no concentrations of CO, H_2S, or LEL of isobutylene were detected during the monitoring period at any of the monitoring locations. However, concentrations of VOCs, CH_4, and CO_2 were detected during the monitoring period.

VOCs were detected in LFG-1 a total of 7 times and in LFG-2 a total of 5 times. The maximum concentration of VOCs detected were 2 meter units in each sampling point. VOCs were detected in 58% of the measurements in LFG-1 and a total of 42% of the measurements in LFG-2.

CH_4 was detected in all sampling points except LFG-9. The maximum concentration of CH_4 was detected in LFG-2 at a concentration of 27% of the LEL of CH_4. Out of the 108 measurements taken across the study area during the sampling interval, CH_4 was detected 40 times, or 37% of the measurements. Concentrations of CH_4 were greatest and detected most frequent in LFG-1 and LFG-2 with peak concentrations of 12% and 27% of LEL respectively, and CH_4 being detected in 75% of the measurements taken at each location.

CO_2 was detected in all nine wells for the duration of sampling period. In LFG-1, CO_2 was detected at concentrations above 10,000-ppm for the entire duration of the sampling period.

In comparing the RKI meter to the PID meter for the measurement of methane, the following results were observed:

- In LFG-1, CH_4 was detected in 75% of measurements with the RKI meter, whereas CH_4 a percentage of LEL was not detected in any measurements taken at LFG-1 with the PID meter.

- InLFG-2, CH_4 was detected in 75% of measurements with the RKI meter, whereas CH_4 as a percentage of LEL was not detected in any measurements taken at LFG-2 with the PID meter.

- LFG-3, CH_4 was detected in 17% of measurements taken with the RKI meter, whereas CH_4 as a percentage of LEL was not detected in any measurements taken at LFG-3 with the PID meter.

- In LFG-4, CH_4 was detected in 17% of measurements with RKI, whereas CH_4 as a percentage of LEL was not detected in any measurements taken at LFG-4 with the PID meter.

- In LFG-5, CH_4 was detected in 58% of measurements with RKI, whereas CH_4 as a percentage of LEL was not detected in any measurements taken at LFG-5 with the PID meter.

- In LFG-6, CH_4 was detected in 17% of measurements with RKI, whereas CH_4 as a percentage of LEL was not detected in any measurements taken at LFG-6 with the PID meter.

- In LFG-7, CH_4 was detected in 33% of measurements with RKI, whereas CH_4 as a percentage of LEL was not detected in any measurements taken at LFG-7 with the PID meter.

- In LFG-8, CH_4 was detected in 42% of measurements with RKI, whereas CH_4 as a percentage of LEL was not detected in any measurements taken at LFG-8 with the PID meter.

- In LFG-9, CH_4 was not detected with RKI, and CH_4 as a percentage of LEL was not detected in any measurements taken at LFG-4 with the PID meter.

Using the RKI Instruments GX-6000 IR meter, concentrations of CH_4 were detected in eight of the nine sampling points. The highest reading of CH_4 was taken on July 14, 2025 in LFG-2, with a concentration of 27% LEL. CH_4 concentrations were highest in LFG-1 and LFG-2 with concentrations ranging between 0- and 12% LEL in LFG-1 and 0- and 27% LEL in LFG-2. The concentrations of CH_4 detected in LFG-3, LFG-4, LFG-5, LFG-6, LFG-7, and LFG-8 ranged between 1- and 2%.

4.2 LABORATORY ANALYSIS OF SOIL SAMPLES

Selected soil samples from the borehole locations were shipped overnight via FedEx on July 1, 2025 to Pace Analytical in Mount Juliet, Tennessee. The soil samples were analyzed for liquid phase VOCs using EPA Method 8260B and for RCRA-8 metals. The laboratory analytical reports and chain-of-custody forms are attached as Appendix C. The target analytes detected by laboratory analysis for this project are summarized in the tables presented on the following pages.

Table 4. Summary of Laboratory Results for RCRA-8 Metals and VOCs in Soil Samples

			Lab Sample ID Number:	L1875426-01	L1875426-02	L1875426-03	L1875426-04	L1875426-05	L1875426-06	L1875426-07	L1875426-08	L1875426-09	L1875426-10
			Sample ID Name:	B-1	B-1	B-2	B-2	B-3	B-3	B-4	B-4	B-5	B-5
			Samling Depth, ft bgs:	14 - 16	26 - 28	0 - 2	6 - 8	25	10	4 - 6	10 - 12	10	20
			Date Collected:	6/30/2025	6/30/2025	6/30/2025	6/30/2025	7/1/2025	7/1/2025	6/30/2025	6/30/2025	7/1/2025	7/1/2025
Method	**Target Analyte**	**Chemical Abstracts Service Number**	**NMED SSG Vol-I Table A-1 Residential Soil Noncancer Screening Levels June 2022, mg/Kg**	**Result, mg/Kg**	**Result, mg/Kg**	**Result, mg/Kg**	**Result, mg/Kg**	**Result, mg/Kg**	**Result, mg/Kg**	**Result, mg/Kg**	**Result, mg/Kg**	**Result, mg/Kg**	**Result, mg/Kg**
6010D	ARSENIC	7440-38-2	13	2.95	<2.02	3.17	<2.05	<2.05	<2.07	<2.06	8.6	<2.17	<2.04
6010D	BARIUM	7440-39-3	15,600	113	68.2	64.1	70.2	65.5	58	46.7	73	62.4	58.6
6010D	CHROMIUM	7440-47-3	45,200	9.41	6.39	10.6	9.19	5.51	6.53	7.89	27.7	6.35	6.12
6010D	LEAD	7439-92-1	400	6.45	4.93	7.67	6.1	4.7	5.49	5.35	21.6	5.48	4.75
8260B	ACETONE	67-64-1	66,300	<0.0628	<0.0581	<0.0531	<0.0525	<0.0595	0.0812	<0.0584	0.109	<0.0586	<0.0547
8260B	METHYL TERT-BUTYL ETHER	1634-04-4	37,800	1.08	0.144	<0.00106	<0.00105	<0.00119	<0.00114	<0.00117	<0.00135	<0.00117	<0.00109

mg/Kg = milligrams per Kilogram

- Indicates no NMED standard

BOLD indicates that the result exceeds the NMED Residential SSL

Table 4. Summary of Laboratory Results for RCRA-8 Metals and VOCs in Soil Samples, Continued

			Lab Sample ID Number:	L1875426-11	L1875426-12	L1875426-13	L1875426-14	L1875426-15	L1875426-16	L1875426-18	L1875426-19
			Sample ID Name:	B-6	B-6	B-7	B-7	B-8	B-8	B-9	B-9
			Samling Depth, ft bgs:	10	20	10	25	10	25	10	20
			Date Collected:	7/1/2025	7/1/2025	7/1/2025	7/1/2025	7/1/2025	7/1/2025	7/1/2025	7/1/2025
Method	**Target Analyte**	**Chemical Abstracts Service Number**	**NMED SSG Vol-I Table A-1 Residential Soil Noncancer Screening Levels June 2022, mg/Kg**	**Result, mg/Kg**	**Result, mg/Kg**	**Result, mg/Kg**	**Result, mg/Kg**	**Result, mg/Kg**	**Result, mg/Kg**	**Result, mg/Kg**	**Result, mg/Kg**
6010D	ARSENIC	7440-38-2	13	2.52	2.36	4.3	<2.05	<2.06	2.24	<2.04	<2.04
6010D	BARIUM	7440-39-3	15,600	72.5	67.5	102	71.7	61.5	109	34	48.6
6010D	CHROMIUM	7440-47-3	45,200	8.36	8.2	14.1	7.33	6.87	9.86	5.97	5.99
6010D	LEAD	7439-92-1	400	6.36	6.26	9.72	5.5	5.52	8.38	5.05	5.66
8260B	ACETONE	67-64-1	66,300	<0.0623	<0.0592	<0.0623	<0.0551	<0.0694	<0.0695	<0.0604	0.0802
8260B	METHYL TERT-BUTYL ETHER	1634-04-4	37,800	<0.00125	<0.00118	<0.00125	<0.00110	<0.00139	<0.00139	<0.00121	<0.00122

mg/Kg = milligrams per Kilogram

- Indicates no NMED standard

BOLD indicates that the result exceeds the NMED Residential SSL

The concentrations of VOC and RCRA 8 metals concentrations were evaluated relative to "NMED Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments, June 2022". The SSLs are the maximum allowable contaminant concentrations that are theoretically protective of human health. The subject site is commercially zoned as Non-Residential − Business Park Zone District, and adjacent properties on the west, south, and southeast have the same zoning. The adjacent property on the northeast is zoned Non-Residential − Park and Open Space Zone District. The adjacent property on the north is zoned Residential − Multi-Family Low Density Zone District. Therefore, analytical results are compared to NMED Residential SSLs.

Analytical results are summarized below.

- Liquid phase VOCs were detected above laboratory detection limits in boreholes B-1, B-3, B-4, and B-9. Borehole B-3 at 10 ft, borehole B-4 at 10- to 12-ft bgs, and borehole B-9 at 20-ft bgs had acetone above laboratory detection limits. Borehole B-1 had methyl tert-butyl ether above laboratory detection limits in samples at 14 to 16 ft bgs and 26 to 28-ft bgs. The concentrations of VOCs detected in all soil samples were below NMED Residential SSLs.

- RCRA-8 metals, including arsenic, barium, chromium, and lead were detected above laboratory detection limits in all boreholes. Arsenic was detected in B-1 at 14- to 16-ft bgs, B-2 at 0- to 2-ft bgs, B-4 at 10- to 12-ft bgs, B-6 at 10-ft bgs, B-6 at 20-ft bgs, B-7 at 10-ft bgs, and B-8 at 25-ft bgs. RCRA-8 metals remained below NMED industrial SSLs in all boreholes. Levels of RCRA-8 metals are indicative of background concentrations.

4.3 QUALITY ASSURANCE/QUALITY CONTROL

Disposable nitrile gloves were worn while collecting all samples. Each soil sample was placed into laboratory-prepared glass jars, uniquely labeled, and placed in a cooler with ice for shipment to Pace Analytical in Mont Juliet, Tennessee. Direct-push and hollow-stem auger drilling and field screening tools were decontaminated between sampling events using Liquinox® and distilled water.

A duplicate sample was taken for QA/QC purposes. Additionally, Pace Laboratories provided internal QA/QC controls, which identified no problems with the data or procedures.

The PID meter was fresh air calibrated prior to mobilizing to the subject project and the PID meter was found to be working properly.

The RKI GX-6000 meter was calibrated by Mallory Safety and Supply prior to field screening on July 7, 2025.

5.0 CONCLUSIONS

Based on the field observations and laboratory analytical report, the following conclusions are made:

- Small amounts of ceramic tile were found during drilling in B-3. No other soil borings had detectable levels of trash or construction debris during drilling.

- No concentrations of CO, H_2S, or LEL (indicating concentrations of CH_4) were detected by the Multi-RAE Lite meter during the month-long monitoring event performed at the subject property.

- Significant concentrations of CH_4 were detected by the RKI GX-6000 IR meter in LFG-1, and LFG-2. Minor concentrations of CH_4 were detected in LFG-3, LFG-4, LFG-5, LFG-6, LFG-7, and LFG-8. Concentrations of CH_4 detected in LFG-1, and LFG-2, ranged between 0% and 27% LEL of CH_4. Concentrations of CH4 detected in LFG-3, LFG-4, LFG-5, LFG-6, LFG-7, and LFG-8, ranged between 0% and 2% LEL of CH_4. The highest reading of CH_4 was taken on July 14th in LFG-2, with a concentration of 27% LEL of CH_4.

- Liquid phase VOCs, and RCRA-8 metals were detected across the study area at the subject property at concentrations above laboratory detection limits, but below NMED residential SSLs.

6.0 RECOMMENDATIONS

Based on the above conclusions, Sendero makes the following recommendations:

- Production of landfill gases at the subject property were observed and were on-going during the duration of monitoring at the subject property. Sendero recommends that a vapor barrier be included in the foundation of any future structure. Sendero also recommends that methane off-gassing wells be installed below any future structure to give landfill gases a preferential path to escape to the environment, versus flowing in to structures.

- Any redevelopment of the property requires plans be submitted to, and reviewed by, the Albuquerque Environmental Health Department (AEHD). Requirements of the AEHD can range from complete excavation of the landfill material to interior methane (CH_4) monitoring. Coordination with the AEHD will be required for any permitting on the property.

Any excavation of landfill material should be assessed by an appropriate geotechnical investigation to ensure excavation safety.

- Caution should be exercised to prevent water from entering the subsurface at the subject property so that the risk of reactivating the landfill bacteria and creating an issue with CH_4 production is minimized. Reactivation can happen when water is introduced to landfill material and bacteria subsequently produce CH_4.

7.0 LIMITATIONS AND CLOSURE

These professional services have been performed by Sendero using the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental consultants practicing in this or similar localities. No other warranty, expressed or implied, is made. The professional services performed do not guarantee compliance with federal, state, or local laws. This report is not a binding document and any contractor or consultant reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary for the project.

This report provides the opinions of Sendero concerning the location and characterization of potential contaminants on the subject property. Sendero assumes no responsibility for conditions that were not specifically evaluated or for conditions that were not generally recognized as environmentally unacceptable at the time this report was prepared.

If conditions are encountered during development of this property which differ from those presented herein, this office should be contacted for supplemental evaluation and recommendations. The staff of Sendero is available for supplemental consultation as necessary.

This report of findings completes the agreed scope of services. The scope of work for this Phase II LEI is limited to observations made during the site visits, information provided by the client, and a laboratory analytical report provided by an independent laboratory. As a result, these conclusions are based on information supplied by others and interpretations by qualified personnel. Sendero cannot be held responsible for the accuracy or completeness of information provided by others. This report is specific to measurements and samples collected at specific locations, depths, and times. It may be possible that petroleum-contaminated soil or potentially hazardous substances may be present at locations or depths that were not sampled. Any conclusions and/or recommendations made in this report will be subject to modification if differing information is obtained at a later date.

This letter report with attachments completes the scope of work as proposed. Please contact Sendero Environmental should you have questions or need additional information.

Sincerely,
Sendero Environmental, LLC

Dan Apodaca
Dan@SenderoNM.com
(505) 414-5602
Owner

Sherry Marin
Sherry@SenderoNM.com
(505) 400-5392
Owner

With Technical Review by:
Souder, Miller & Associates, Inc.

Marty Howell, P.E.
President

8.0 REFERENCE

Albuquerque Environmental Health Department (AEHD) City of Albuquerque Interim Guidelines for Development within Landfill Buffer Zones (*Interim Guidelines*). Revised October 2013.

Connell, S. D., 2008, Geologic Map of the Albuquerque-Rio Rancho Metropolitan Area and Vicinity, Bernalillo and Sandoval Counties, New Mexico, New Mexico Bureau of Geology and Mineral Resources, Geologic Map, 1:50,000.

Jordan, D., Joesph, J., Tracey J., Intera, *Phase I Environmental Site Assessment Schwartzman Landfill Along I-25 South of Gibson Ave North of Sunport Boulevard Albuquerque, New Mexico*, July 6, 2005.

NMED Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments, June 2022
Lead, Section 5.1, page 87-88
Table A-1. NMED Soil Screening Levels

NMOSE WATERS Database: http://nmwrrs.ose.state.nm.us/nmwrrs/index.html.

Rawling, G., 2024, Winter 2022–2023 water-level elevation map for the Albuquerque metropolitan area: New Mexico Bureau of Geology and Mineral Resources Open-File Report 632, 17 p. 8.

Sendero Aerial Image, dated August 1, 2025.

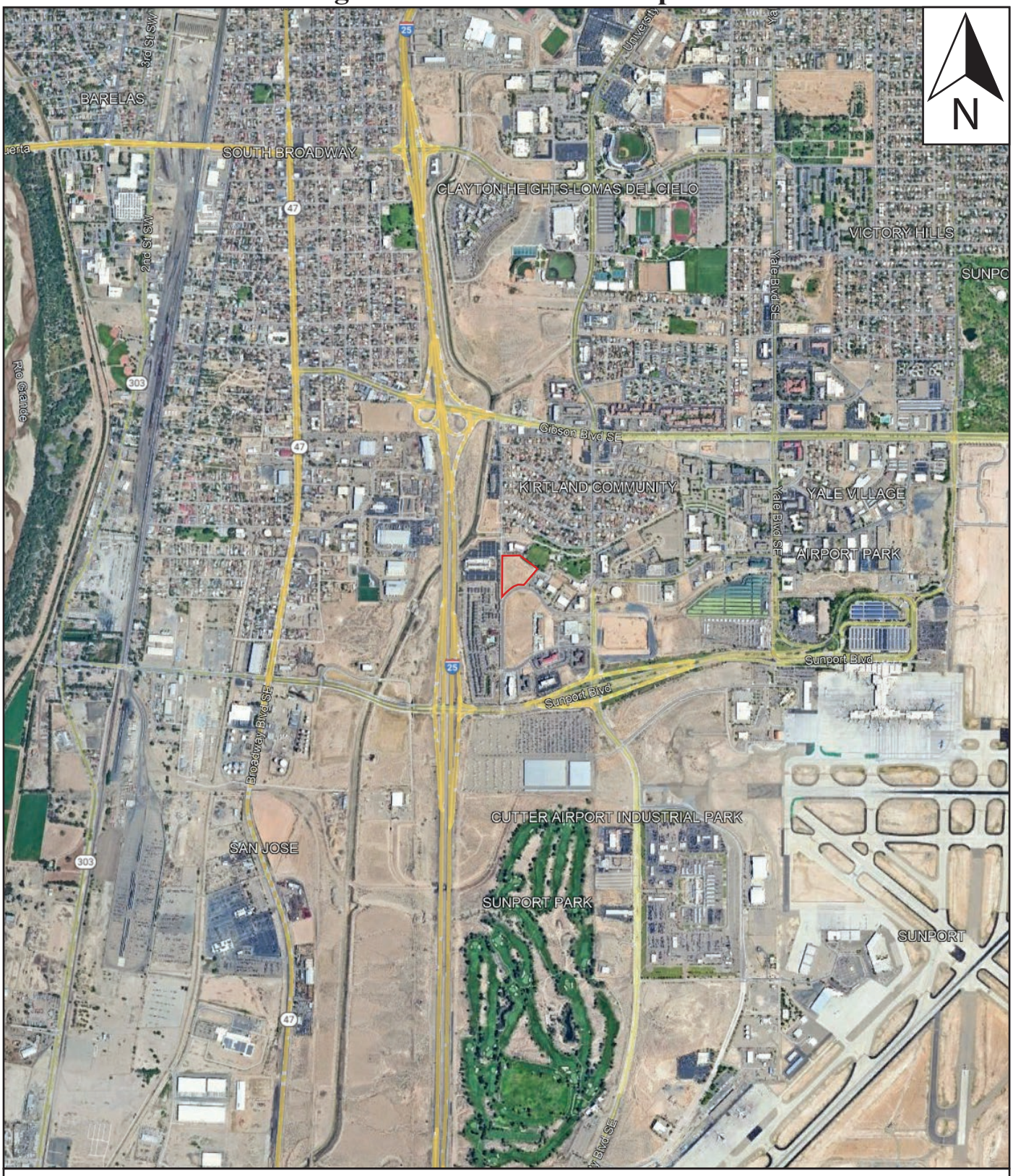
USDA NRCS; *Soil Survey of Bernalillo County and Parts of Sandoval and Valencia Counties, New Mexico*; Version 19, September 3, 2024.

Vinyard & Associates, *John Marshall Kitchen Replacement Facility at 2540 Karsten Court*, Project No. 10-1-010, dated February 23, 2010.

APPENDIX A

FIGURES

Figure 1. Site Location Map

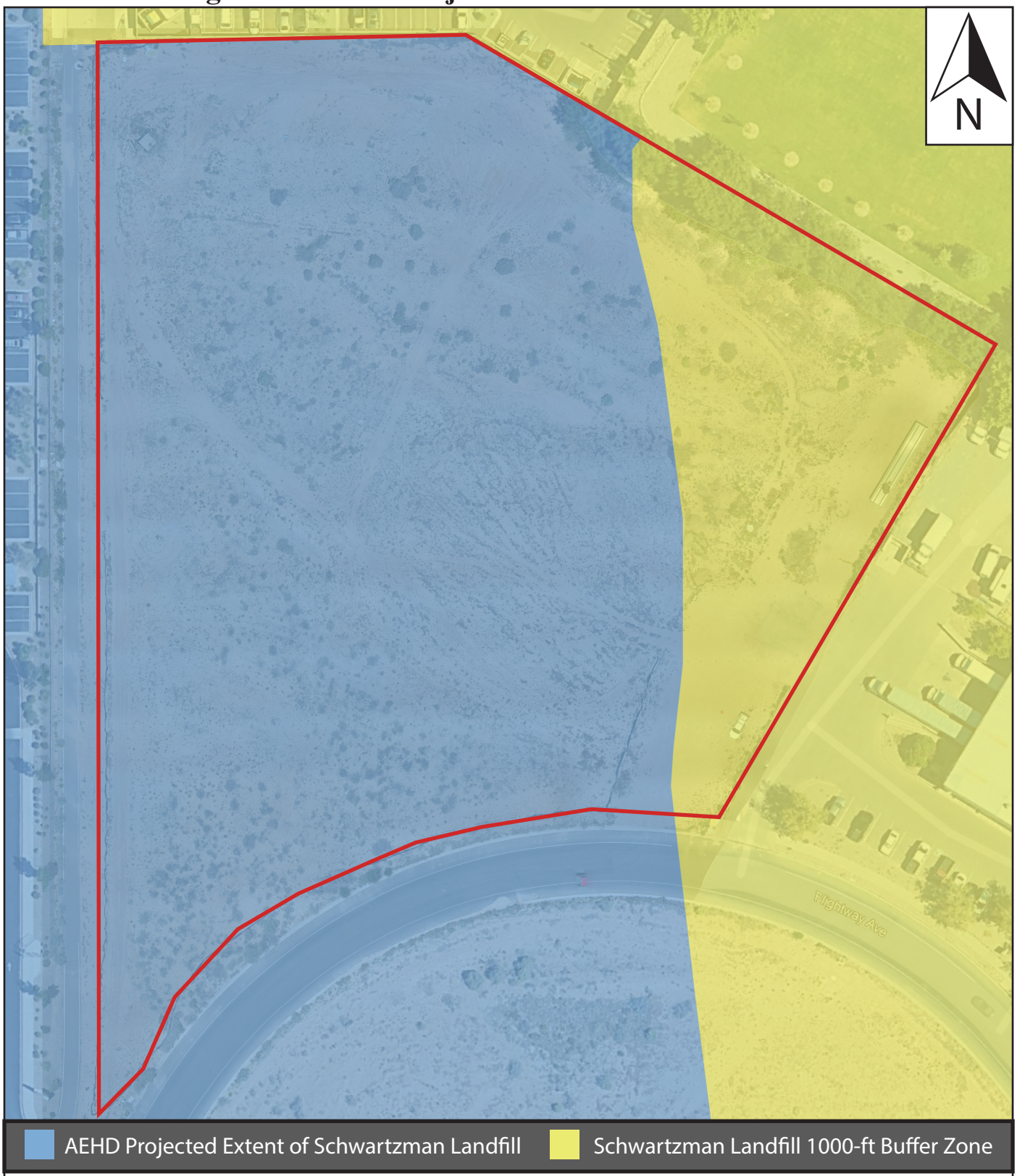


Phase I Environmental Site Assessment
Project Number: 25-134
Site: 1321 Flightway Avenue Southeast, Albuquerque, New Mexico 87106
Date: August 24, 2023
Source: Google Earth

Client: Hospitality Management Services LLC

Sendero Environmental

Figure 2. AEHD Projected Extent of Landfill Material



Phase I Environmental Site Assessment
Project Number: 25-134
Site: 1321 Flightway Avenue Southeast, Albuquerque, New Mexico 87106
Date: August 24, 2023 / August 1, 2025
Source: Google Earth / Sendero Environmental

Client: Hospitality Management Services LLC

Sendero Environmental

Figure 3. Sampling Locations

Borehole / Landfill Gas Sampling Point

Phase I Environmental Site Assessment
Project Number: 25-134
Site: 1321 Flightway Avenue Southeast, Albuquerque, New Mexico 87106
Date: August 24, 2023 / August 1, 2025
Source: Google Earth / Sendero Environmental

Client: Hospitality Management Services LLC

Sendero Environmental

APPENDIX B

SELECTED SITE DIGITAL IMAGES

Photo 1: View of dual tube borehole sampling at the subject property on June 30, 2025.

Photo 2: View of auger borehole sampling at the subject property on July 1, 2025.

Photo 3: View of the 0- to 4-ft bgs sample from borehole B-1 at the subject property.

Photo 4: View of the 0- to 4-ft bgs sample from borehole B-2 at the subject property.

Photo 5: View of the 0- to 4-ft bgs sample from borehole B-3 at the subject property.

Photo 6: View of the 4- to 8-ft bgs sample from borehole B-4 at the subject property.

Photo 7: View of soils samples in jars prior to field screening at subject property.

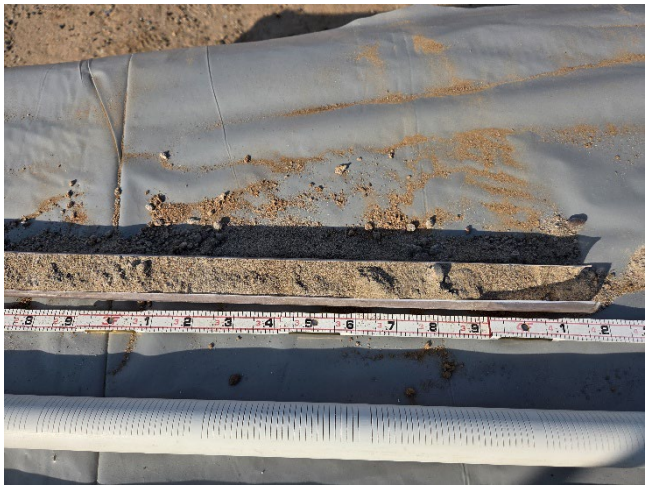


Photo 8: View of well screen next to a soil sample at the subject property.

Photo 9: View of installing a temporary landfill gas monitoring point at the subject property.

Photo 10: View of landfill gas screening at LFG-5 at the subject property.

Photo 11: View of landfill gas screening at LFG-8 at the subject property.

Photo 12: View of dual tube borehole sampling at borehole B-4 at the subject property.

Photo 13: View of auger drilling at borehole B-7 at the subject property.

Photo 14: Aerial view of the east portion of the subject property.

Photo 15: Aerial View of the west portion of the subject property.

Photo 16: View of LFG-1 capped between monitoring events at the subject property.

Photo 17: View of LFG-2 capped between monitoring events at the subject property.

Photo 18: View of LFG-3 capped between monitoring events at the subject property.

Photo 19: View of LFG-4 capped between monitoring events at the subject property.

Photo 20: View of LFG-5 capped between monitoring events at the subject property.

Photo 21: View of LFG-6 capped between monitoring events at the subject property.

Photo 22: View of LFG-7 capped between monitoring events at the subject property.

Photo 23: View of LFG-8 capped between monitoring events at the subject property..

Photo 24: View of LFG-9 capped between monitoring events at the subject property.

APPENDIX C

LABORATORY ANALYTICAL REPORT and CHAIN OF CUSTODY FORM

ANALYTICAL REPORT

July 11, 2025

Sendero Environmental, LLC

Sample Delivery Group:	L1875426
Samples Received:	07/02/2025
Project Number:	25-132
Description:	1321 Flightway Ave SE, Albuquerque, New Mexico
Report To:	Dan Apodaca 8609 Alta Loma Ln NE Albuquerque, NM 87113

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

B-1 14-16 L1875426-01

Collected by: Dan Apodaca | Collected date/time: 06/30/25 07:36 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555250	1	07/09/25 07:45	07/09/25 07:55	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 17:22	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 13:04	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1.19	06/30/25 07:36	07/05/25 20:02	DWR	Mt. Juliet, TN

B-1 26-28 L1875426-02

Collected by: Dan Apodaca | Collected date/time: 06/30/25 08:20 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555250	1	07/09/25 07:45	07/09/25 07:55	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 17:41	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 13:16	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1.14	06/30/25 08:20	07/05/25 20:21	DWR	Mt. Juliet, TN

B-2 0-2 L1875426-03

Collected by: Dan Apodaca | Collected date/time: 06/30/25 11:00 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555250	1	07/09/25 07:45	07/09/25 07:55	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 17:44	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 13:19	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1	06/30/25 11:00	07/05/25 20:41	DWR	Mt. Juliet, TN

B-2 6-8 L1875426-04

Collected by: Dan Apodaca | Collected date/time: 06/30/25 11:20 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555250	1	07/09/25 07:45	07/09/25 07:55	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 17:46	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 13:22	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1	06/30/25 11:20	07/05/25 21:01	DWR	Mt. Juliet, TN

B-3 25 L1875426-05

Collected by: Dan Apodaca | Collected date/time: 07/01/25 09:35 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555250	1	07/09/25 07:45	07/09/25 07:55	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 17:49	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 13:30	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1.14	07/01/25 09:35	07/05/25 21:21	DWR	Mt. Juliet, TN

B-3 10 L1875426-06

Collected by: Dan Apodaca | Collected date/time: 07/01/25 09:10 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555250	1	07/09/25 07:45	07/09/25 07:55	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 17:52	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 13:33	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1.07	07/01/25 09:10	07/05/25 21:41	DWR	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

B-4 4-6 L1875426-07

Collected by: Dan Apodaca | Collected date/time: 06/30/25 13:39 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555250	1	07/09/25 07:45	07/09/25 07:55	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 17:54	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 13:35	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1.11	06/30/25 13:39	07/05/25 22:01	DWR	Mt. Juliet, TN

B-4 10-12 L1875426-08

Collected by: Dan Apodaca | Collected date/time: 06/30/25 13:40 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555250	1	07/09/25 07:45	07/09/25 07:55	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 18:05	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 13:38	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1	06/30/25 13:40	07/05/25 22:21	DWR	Mt. Juliet, TN

B-5 10 L1875426-09

Collected by: Dan Apodaca | Collected date/time: 07/01/25 10:25 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555250	1	07/09/25 07:45	07/09/25 07:55	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 18:08	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 13:41	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1	07/01/25 10:25	07/05/25 22:41	DWR	Mt. Juliet, TN

B-5 20 L1875426-10

Collected by: Dan Apodaca | Collected date/time: 07/01/25 10:36 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555250	1	07/09/25 07:45	07/09/25 07:55	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 18:10	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 13:44	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1.05	07/01/25 10:36	07/05/25 23:01	DWR	Mt. Juliet, TN

B-6 10 L1875426-11

Collected by: Dan Apodaca | Collected date/time: 07/01/25 11:42 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555253	1	07/09/25 09:31	07/09/25 09:43	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 18:13	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 13:46	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1.17	07/01/25 11:42	07/05/25 23:21	DWR	Mt. Juliet, TN

B-6 20 L1875426-12

Collected by: Dan Apodaca | Collected date/time: 07/01/25 11:51 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555253	1	07/09/25 09:31	07/09/25 09:43	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 18:16	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 13:49	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1.1	07/01/25 11:51	07/05/25 23:40	DWR	Mt. Juliet, TN

B-7 10 L1875426-13

Collected by: Dan Apodaca | Collected date/time: 07/01/25 13:42 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555253	1	07/09/25 09:31	07/09/25 09:43	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 18:18	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 13:52	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1.08	07/01/25 13:42	07/06/25 00:00	DWR	Mt. Juliet, TN

B-7 25 L1875426-14

Collected by: Dan Apodaca | Collected date/time: 07/01/25 13:59 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555253	1	07/09/25 09:31	07/09/25 09:43	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 18:21	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 13:55	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1.05	07/01/25 13:59	07/06/25 00:20	DWR	Mt. Juliet, TN

B-8 10 L1875426-15

Collected by: Dan Apodaca | Collected date/time: 07/01/25 14:49 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555253	1	07/09/25 09:31	07/09/25 09:43	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 18:24	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 14:03	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1.32	07/01/25 14:49	07/06/25 00:40	DWR	Mt. Juliet, TN

B-8 25 L1875426-16

Collected by: Dan Apodaca | Collected date/time: 07/01/25 15:16 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555253	1	07/09/25 09:31	07/09/25 09:43	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 18:26	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 14:05	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1.25	07/01/25 15:16	07/06/25 01:00	DWR	Mt. Juliet, TN

B-8 25 QC L1875426-17

Collected by: Dan Apodaca | Collected date/time: 07/01/25 15:16 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555253	1	07/09/25 09:31	07/09/25 09:43	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 18:29	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 14:08	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1.38	07/01/25 15:16	07/06/25 01:20	DWR	Mt. Juliet, TN

B-9 10 L1875426-18

Collected by: Dan Apodaca | Collected date/time: 07/01/25 16:00 | Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555253	1	07/09/25 09:31	07/09/25 09:43	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 18:37	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 14:11	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1.17	07/01/25 16:00	07/06/25 01:40	DWR	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

SAMPLE SUMMARY

B-9 20 L1875426-19

Collected by: Dan Apodaca
Collected date/time: 07/01/25 16:15
Received date/time: 07/02/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2555253	1	07/09/25 09:31	07/09/25 09:43	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2555278	1	07/08/25 18:19	07/09/25 18:40	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2556253	1	07/09/25 17:28	07/10/25 14:13	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2553747	1.18	07/01/25 16:15	07/06/25 01:59	DWR	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jennifer Gambill
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.0		1	07/09/2025 07:55	WG2555250

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0412	1	07/09/2025 17:22	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	2.95		2.06	1	07/10/2025 13:04	WG2556253
Barium	113	J3 J6	0.515	1	07/10/2025 13:04	WG2556253
Cadmium	ND		0.515	1	07/10/2025 13:04	WG2556253
Chromium	9.41		1.03	1	07/10/2025 13:04	WG2556253
Lead	6.45		0.515	1	07/10/2025 13:04	WG2556253
Selenium	ND		2.06	1	07/10/2025 13:04	WG2556253
Silver	ND		1.03	1	07/10/2025 13:04	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0628	1.19	07/05/2025 20:02	WG2553747
Acrylonitrile	ND		0.0157	1.19	07/05/2025 20:02	WG2553747
Benzene	ND		0.00126	1.19	07/05/2025 20:02	WG2553747
Bromobenzene	ND		0.0157	1.19	07/05/2025 20:02	WG2553747
Bromodichloromethane	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
Bromoform	ND		0.0314	1.19	07/05/2025 20:02	WG2553747
Bromomethane	ND		0.0157	1.19	07/05/2025 20:02	WG2553747
n-Butylbenzene	ND		0.0157	1.19	07/05/2025 20:02	WG2553747
sec-Butylbenzene	ND		0.0157	1.19	07/05/2025 20:02	WG2553747
tert-Butylbenzene	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
Carbon tetrachloride	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
Chlorobenzene	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
Chlorodibromomethane	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
Chloroethane	ND	J4	0.00628	1.19	07/05/2025 20:02	WG2553747
Chloroform	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
Chloromethane	ND		0.0157	1.19	07/05/2025 20:02	WG2553747
2-Chlorotoluene	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
4-Chlorotoluene	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0314	1.19	07/05/2025 20:02	WG2553747
1,2-Dibromoethane	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
Dibromomethane	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
1,2-Dichlorobenzene	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
1,3-Dichlorobenzene	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
1,4-Dichlorobenzene	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
Dichlorodifluoromethane	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
1,1-Dichloroethane	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
1,2-Dichloroethane	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
1,1-Dichloroethene	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
cis-1,2-Dichloroethene	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
trans-1,2-Dichloroethene	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
1,2-Dichloropropane	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
1,1-Dichloropropene	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
1,3-Dichloropropane	ND		0.00628	1.19	07/05/2025 20:02	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
trans-1,3-Dichloropropene	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
2,2-Dichloropropane	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
Di-isopropyl ether	ND		0.00126	1.19	07/05/2025 20:02	WG2553747
Ethylbenzene	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
Hexachloro-1,3-butadiene	ND		0.0314	1.19	07/05/2025 20:02	WG2553747
Isopropylbenzene	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
p-Isopropyltoluene	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
2-Butanone (MEK)	ND		0.126	1.19	07/05/2025 20:02	WG2553747
Methylene Chloride	ND		0.0314	1.19	07/05/2025 20:02	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0314	1.19	07/05/2025 20:02	WG2553747
Methyl tert-butyl ether	1.08		0.00126	1.19	07/05/2025 20:02	WG2553747
Naphthalene	ND		0.0157	1.19	07/05/2025 20:02	WG2553747
n-Propylbenzene	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
Styrene	ND		0.0157	1.19	07/05/2025 20:02	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
Tetrachloroethene	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
Toluene	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
1,2,3-Trichlorobenzene	ND		0.0157	1.19	07/05/2025 20:02	WG2553747
1,2,4-Trichlorobenzene	ND		0.0157	1.19	07/05/2025 20:02	WG2553747
1,1,1-Trichloroethane	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
1,1,2-Trichloroethane	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
Trichloroethene	ND		0.00126	1.19	07/05/2025 20:02	WG2553747
Trichlorofluoromethane	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
1,2,3-Trichloropropane	ND		0.0157	1.19	07/05/2025 20:02	WG2553747
1,2,4-Trimethylbenzene	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
1,2,3-Trimethylbenzene	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
1,3,5-Trimethylbenzene	ND		0.00628	1.19	07/05/2025 20:02	WG2553747
Vinyl chloride	ND		0.00314	1.19	07/05/2025 20:02	WG2553747
Xylenes, Total	ND		0.00817	1.19	07/05/2025 20:02	WG2553747
(S) Toluene-d8	*96.6*		*75.0-131*		*07/05/2025 20:02*	WG2553747
(S) 4-Bromofluorobenzene	*94.3*		*67.0-138*		*07/05/2025 20:02*	WG2553747
(S) 1,2-Dichloroethane-d4	*96.3*		*70.0-130*		*07/05/2025 20:02*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.0		1	07/09/2025 07:55	WG2555250

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0404	1	07/09/2025 17:41	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	ND		2.02	1	07/10/2025 13:16	WG2556253
Barium	68.2		0.505	1	07/10/2025 13:16	WG2556253
Cadmium	ND		0.505	1	07/10/2025 13:16	WG2556253
Chromium	6.39		1.01	1	07/10/2025 13:16	WG2556253
Lead	4.93		0.505	1	07/10/2025 13:16	WG2556253
Selenium	ND		2.02	1	07/10/2025 13:16	WG2556253
Silver	ND		1.01	1	07/10/2025 13:16	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0581	1.14	07/05/2025 20:21	WG2553747
Acrylonitrile	ND		0.0146	1.14	07/05/2025 20:21	WG2553747
Benzene	ND		0.00116	1.14	07/05/2025 20:21	WG2553747
Bromobenzene	ND		0.0146	1.14	07/05/2025 20:21	WG2553747
Bromodichloromethane	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
Bromoform	ND		0.0290	1.14	07/05/2025 20:21	WG2553747
Bromomethane	ND		0.0146	1.14	07/05/2025 20:21	WG2553747
n-Butylbenzene	ND		0.0146	1.14	07/05/2025 20:21	WG2553747
sec-Butylbenzene	ND		0.0146	1.14	07/05/2025 20:21	WG2553747
tert-Butylbenzene	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
Carbon tetrachloride	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
Chlorobenzene	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
Chlorodibromomethane	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
Chloroethane	ND	J4	0.00581	1.14	07/05/2025 20:21	WG2553747
Chloroform	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
Chloromethane	ND		0.0146	1.14	07/05/2025 20:21	WG2553747
2-Chlorotoluene	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
4-Chlorotoluene	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0290	1.14	07/05/2025 20:21	WG2553747
1,2-Dibromoethane	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
Dibromomethane	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
1,2-Dichlorobenzene	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
1,3-Dichlorobenzene	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
1,4-Dichlorobenzene	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
Dichlorodifluoromethane	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
1,1-Dichloroethane	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
1,2-Dichloroethane	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
1,1-Dichloroethene	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
cis-1,2-Dichloroethene	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
trans-1,2-Dichloroethene	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
1,2-Dichloropropane	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
1,1-Dichloropropene	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
1,3-Dichloropropane	ND		0.00581	1.14	07/05/2025 20:21	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
trans-1,3-Dichloropropene	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
2,2-Dichloropropane	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
Di-isopropyl ether	ND		0.00116	1.14	07/05/2025 20:21	WG2553747
Ethylbenzene	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
Hexachloro-1,3-butadiene	ND		0.0290	1.14	07/05/2025 20:21	WG2553747
Isopropylbenzene	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
p-Isopropyltoluene	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
2-Butanone (MEK)	ND		0.116	1.14	07/05/2025 20:21	WG2553747
Methylene Chloride	ND		0.0290	1.14	07/05/2025 20:21	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0290	1.14	07/05/2025 20:21	WG2553747
Methyl tert-butyl ether	0.144		0.00116	1.14	07/05/2025 20:21	WG2553747
Naphthalene	ND		0.0146	1.14	07/05/2025 20:21	WG2553747
n-Propylbenzene	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
Styrene	ND		0.0146	1.14	07/05/2025 20:21	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
Tetrachloroethene	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
Toluene	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
1,2,3-Trichlorobenzene	ND		0.0146	1.14	07/05/2025 20:21	WG2553747
1,2,4-Trichlorobenzene	ND		0.0146	1.14	07/05/2025 20:21	WG2553747
1,1,1-Trichloroethane	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
1,1,2-Trichloroethane	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
Trichloroethene	ND		0.00116	1.14	07/05/2025 20:21	WG2553747
Trichlorofluoromethane	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
1,2,3-Trichloropropane	ND		0.0146	1.14	07/05/2025 20:21	WG2553747
1,2,4-Trimethylbenzene	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
1,2,3-Trimethylbenzene	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
1,3,5-Trimethylbenzene	ND		0.00581	1.14	07/05/2025 20:21	WG2553747
Vinyl chloride	ND		0.00290	1.14	07/05/2025 20:21	WG2553747
Xylenes, Total	ND		0.00755	1.14	07/05/2025 20:21	WG2553747
(S) Toluene-d8	*95.8*		*75.0-131*		*07/05/2025 20:21*	WG2553747
(S) 4-Bromofluorobenzene	*94.3*		*67.0-138*		*07/05/2025 20:21*	WG2553747
(S) 1,2-Dichloroethane-d4	*96.3*		*70.0-130*		*07/05/2025 20:21*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.1		1	07/09/2025 07:55	WG2555250

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0412	1	07/09/2025 17:44	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	3.17		2.06	1	07/10/2025 13:19	WG2556253
Barium	64.1		0.515	1	07/10/2025 13:19	WG2556253
Cadmium	ND		0.515	1	07/10/2025 13:19	WG2556253
Chromium	10.6		1.03	1	07/10/2025 13:19	WG2556253
Lead	7.67		0.515	1	07/10/2025 13:19	WG2556253
Selenium	ND		2.06	1	07/10/2025 13:19	WG2556253
Silver	ND		1.03	1	07/10/2025 13:19	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0531	1	07/05/2025 20:41	WG2553747
Acrylonitrile	ND		0.0133	1	07/05/2025 20:41	WG2553747
Benzene	ND		0.00106	1	07/05/2025 20:41	WG2553747
Bromobenzene	ND		0.0133	1	07/05/2025 20:41	WG2553747
Bromodichloromethane	ND		0.00265	1	07/05/2025 20:41	WG2553747
Bromoform	ND		0.0265	1	07/05/2025 20:41	WG2553747
Bromomethane	ND		0.0133	1	07/05/2025 20:41	WG2553747
n-Butylbenzene	ND		0.0133	1	07/05/2025 20:41	WG2553747
sec-Butylbenzene	ND		0.0133	1	07/05/2025 20:41	WG2553747
tert-Butylbenzene	ND		0.00531	1	07/05/2025 20:41	WG2553747
Carbon tetrachloride	ND		0.00531	1	07/05/2025 20:41	WG2553747
Chlorobenzene	ND		0.00265	1	07/05/2025 20:41	WG2553747
Chlorodibromomethane	ND		0.00265	1	07/05/2025 20:41	WG2553747
Chloroethane	ND	J4	0.00531	1	07/05/2025 20:41	WG2553747
Chloroform	ND		0.00265	1	07/05/2025 20:41	WG2553747
Chloromethane	ND		0.0133	1	07/05/2025 20:41	WG2553747
2-Chlorotoluene	ND		0.00265	1	07/05/2025 20:41	WG2553747
4-Chlorotoluene	ND		0.00531	1	07/05/2025 20:41	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0265	1	07/05/2025 20:41	WG2553747
1,2-Dibromoethane	ND		0.00265	1	07/05/2025 20:41	WG2553747
Dibromomethane	ND		0.00531	1	07/05/2025 20:41	WG2553747
1,2-Dichlorobenzene	ND		0.00531	1	07/05/2025 20:41	WG2553747
1,3-Dichlorobenzene	ND		0.00531	1	07/05/2025 20:41	WG2553747
1,4-Dichlorobenzene	ND		0.00531	1	07/05/2025 20:41	WG2553747
Dichlorodifluoromethane	ND		0.00531	1	07/05/2025 20:41	WG2553747
1,1-Dichloroethane	ND		0.00265	1	07/05/2025 20:41	WG2553747
1,2-Dichloroethane	ND		0.00265	1	07/05/2025 20:41	WG2553747
1,1-Dichloroethene	ND		0.00265	1	07/05/2025 20:41	WG2553747
cis-1,2-Dichloroethene	ND		0.00265	1	07/05/2025 20:41	WG2553747
trans-1,2-Dichloroethene	ND		0.00531	1	07/05/2025 20:41	WG2553747
1,2-Dichloropropane	ND		0.00531	1	07/05/2025 20:41	WG2553747
1,1-Dichloropropene	ND		0.00265	1	07/05/2025 20:41	WG2553747
1,3-Dichloropropane	ND		0.00531	1	07/05/2025 20:41	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00265	1	07/05/2025 20:41	WG2553747
trans-1,3-Dichloropropene	ND		0.00531	1	07/05/2025 20:41	WG2553747
2,2-Dichloropropane	ND		0.00265	1	07/05/2025 20:41	WG2553747
Di-isopropyl ether	ND		0.00106	1	07/05/2025 20:41	WG2553747
Ethylbenzene	ND		0.00265	1	07/05/2025 20:41	WG2553747
Hexachloro-1,3-butadiene	ND		0.0265	1	07/05/2025 20:41	WG2553747
Isopropylbenzene	ND		0.00265	1	07/05/2025 20:41	WG2553747
p-Isopropyltoluene	ND		0.00531	1	07/05/2025 20:41	WG2553747
2-Butanone (MEK)	ND		0.106	1	07/05/2025 20:41	WG2553747
Methylene Chloride	ND		0.0265	1	07/05/2025 20:41	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0265	1	07/05/2025 20:41	WG2553747
Methyl tert-butyl ether	ND		0.00106	1	07/05/2025 20:41	WG2553747
Naphthalene	ND		0.0133	1	07/05/2025 20:41	WG2553747
n-Propylbenzene	ND		0.00531	1	07/05/2025 20:41	WG2553747
Styrene	ND		0.0133	1	07/05/2025 20:41	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00265	1	07/05/2025 20:41	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00265	1	07/05/2025 20:41	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00265	1	07/05/2025 20:41	WG2553747
Tetrachloroethene	ND		0.00265	1	07/05/2025 20:41	WG2553747
Toluene	ND		0.00531	1	07/05/2025 20:41	WG2553747
1,2,3-Trichlorobenzene	ND		0.0133	1	07/05/2025 20:41	WG2553747
1,2,4-Trichlorobenzene	ND		0.0133	1	07/05/2025 20:41	WG2553747
1,1,1-Trichloroethane	ND		0.00265	1	07/05/2025 20:41	WG2553747
1,1,2-Trichloroethane	ND		0.00265	1	07/05/2025 20:41	WG2553747
Trichloroethene	ND		0.00106	1	07/05/2025 20:41	WG2553747
Trichlorofluoromethane	ND		0.00265	1	07/05/2025 20:41	WG2553747
1,2,3-Trichloropropane	ND		0.0133	1	07/05/2025 20:41	WG2553747
1,2,4-Trimethylbenzene	ND		0.00531	1	07/05/2025 20:41	WG2553747
1,2,3-Trimethylbenzene	ND		0.00531	1	07/05/2025 20:41	WG2553747
1,3,5-Trimethylbenzene	ND		0.00531	1	07/05/2025 20:41	WG2553747
Vinyl chloride	ND		0.00265	1	07/05/2025 20:41	WG2553747
Xylenes, Total	ND		0.00690	1	07/05/2025 20:41	WG2553747
(S) Toluene-d8	*95.9*		*75.0-131*		*07/05/2025 20:41*	WG2553747
(S) 4-Bromofluorobenzene	*95.3*		*67.0-138*		*07/05/2025 20:41*	WG2553747
(S) 1,2-Dichloroethane-d4	*98.6*		*70.0-130*		*07/05/2025 20:41*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.6		1	07/09/2025 07:55	WG2555250

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0410	1	07/09/2025 17:46	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	ND		2.05	1	07/10/2025 13:22	WG2556253
Barium	70.2		0.512	1	07/10/2025 13:22	WG2556253
Cadmium	ND		0.512	1	07/10/2025 13:22	WG2556253
Chromium	9.19		1.02	1	07/10/2025 13:22	WG2556253
Lead	6.10		0.512	1	07/10/2025 13:22	WG2556253
Selenium	ND		2.05	1	07/10/2025 13:22	WG2556253
Silver	ND		1.02	1	07/10/2025 13:22	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0525	1	07/05/2025 21:01	WG2553747
Acrylonitrile	ND		0.0131	1	07/05/2025 21:01	WG2553747
Benzene	ND		0.00105	1	07/05/2025 21:01	WG2553747
Bromobenzene	ND		0.0131	1	07/05/2025 21:01	WG2553747
Bromodichloromethane	ND		0.00262	1	07/05/2025 21:01	WG2553747
Bromoform	ND		0.0262	1	07/05/2025 21:01	WG2553747
Bromomethane	ND		0.0131	1	07/05/2025 21:01	WG2553747
n-Butylbenzene	ND		0.0131	1	07/05/2025 21:01	WG2553747
sec-Butylbenzene	ND		0.0131	1	07/05/2025 21:01	WG2553747
tert-Butylbenzene	ND		0.00525	1	07/05/2025 21:01	WG2553747
Carbon tetrachloride	ND		0.00525	1	07/05/2025 21:01	WG2553747
Chlorobenzene	ND		0.00262	1	07/05/2025 21:01	WG2553747
Chlorodibromomethane	ND		0.00262	1	07/05/2025 21:01	WG2553747
Chloroethane	ND	J4	0.00525	1	07/05/2025 21:01	WG2553747
Chloroform	ND		0.00262	1	07/05/2025 21:01	WG2553747
Chloromethane	ND		0.0131	1	07/05/2025 21:01	WG2553747
2-Chlorotoluene	ND		0.00262	1	07/05/2025 21:01	WG2553747
4-Chlorotoluene	ND		0.00525	1	07/05/2025 21:01	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0262	1	07/05/2025 21:01	WG2553747
1,2-Dibromoethane	ND		0.00262	1	07/05/2025 21:01	WG2553747
Dibromomethane	ND		0.00525	1	07/05/2025 21:01	WG2553747
1,2-Dichlorobenzene	ND		0.00525	1	07/05/2025 21:01	WG2553747
1,3-Dichlorobenzene	ND		0.00525	1	07/05/2025 21:01	WG2553747
1,4-Dichlorobenzene	ND		0.00525	1	07/05/2025 21:01	WG2553747
Dichlorodifluoromethane	ND		0.00525	1	07/05/2025 21:01	WG2553747
1,1-Dichloroethane	ND		0.00262	1	07/05/2025 21:01	WG2553747
1,2-Dichloroethane	ND		0.00262	1	07/05/2025 21:01	WG2553747
1,1-Dichloroethene	ND		0.00262	1	07/05/2025 21:01	WG2553747
cis-1,2-Dichloroethene	ND		0.00262	1	07/05/2025 21:01	WG2553747
trans-1,2-Dichloroethene	ND		0.00525	1	07/05/2025 21:01	WG2553747
1,2-Dichloropropane	ND		0.00525	1	07/05/2025 21:01	WG2553747
1,1-Dichloropropene	ND		0.00262	1	07/05/2025 21:01	WG2553747
1,3-Dichloropropane	ND		0.00525	1	07/05/2025 21:01	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00262	1	07/05/2025 21:01	WG2553747
trans-1,3-Dichloropropene	ND		0.00525	1	07/05/2025 21:01	WG2553747
2,2-Dichloropropane	ND		0.00262	1	07/05/2025 21:01	WG2553747
Di-isopropyl ether	ND		0.00105	1	07/05/2025 21:01	WG2553747
Ethylbenzene	ND		0.00262	1	07/05/2025 21:01	WG2553747
Hexachloro-1,3-butadiene	ND		0.0262	1	07/05/2025 21:01	WG2553747
Isopropylbenzene	ND		0.00262	1	07/05/2025 21:01	WG2553747
p-Isopropyltoluene	ND		0.00525	1	07/05/2025 21:01	WG2553747
2-Butanone (MEK)	ND		0.105	1	07/05/2025 21:01	WG2553747
Methylene Chloride	ND		0.0262	1	07/05/2025 21:01	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0262	1	07/05/2025 21:01	WG2553747
Methyl tert-butyl ether	ND		0.00105	1	07/05/2025 21:01	WG2553747
Naphthalene	ND		0.0131	1	07/05/2025 21:01	WG2553747
n-Propylbenzene	ND		0.00525	1	07/05/2025 21:01	WG2553747
Styrene	ND		0.0131	1	07/05/2025 21:01	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00262	1	07/05/2025 21:01	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00262	1	07/05/2025 21:01	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00262	1	07/05/2025 21:01	WG2553747
Tetrachloroethene	ND		0.00262	1	07/05/2025 21:01	WG2553747
Toluene	ND		0.00525	1	07/05/2025 21:01	WG2553747
1,2,3-Trichlorobenzene	ND		0.0131	1	07/05/2025 21:01	WG2553747
1,2,4-Trichlorobenzene	ND		0.0131	1	07/05/2025 21:01	WG2553747
1,1,1-Trichloroethane	ND		0.00262	1	07/05/2025 21:01	WG2553747
1,1,2-Trichloroethane	ND		0.00262	1	07/05/2025 21:01	WG2553747
Trichloroethene	ND		0.00105	1	07/05/2025 21:01	WG2553747
Trichlorofluoromethane	ND		0.00262	1	07/05/2025 21:01	WG2553747
1,2,3-Trichloropropane	ND		0.0131	1	07/05/2025 21:01	WG2553747
1,2,4-Trimethylbenzene	ND		0.00525	1	07/05/2025 21:01	WG2553747
1,2,3-Trimethylbenzene	ND		0.00525	1	07/05/2025 21:01	WG2553747
1,3,5-Trimethylbenzene	ND		0.00525	1	07/05/2025 21:01	WG2553747
Vinyl chloride	ND		0.00262	1	07/05/2025 21:01	WG2553747
Xylenes, Total	ND		0.00682	1	07/05/2025 21:01	WG2553747
(S) Toluene-d8	*95.9*		*75.0-131*		*07/05/2025 21:01*	WG2553747
(S) 4-Bromofluorobenzene	*93.2*		*67.0-138*		*07/05/2025 21:01*	WG2553747
(S) 1,2-Dichloroethane-d4	*97.6*		*70.0-130*		*07/05/2025 21:01*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.7		1	07/09/2025 07:55	WG2555250

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0409	1	07/09/2025 17:49	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	ND		2.05	1	07/10/2025 13:30	WG2556253
Barium	65.5		0.512	1	07/10/2025 13:30	WG2556253
Cadmium	ND		0.512	1	07/10/2025 13:30	WG2556253
Chromium	5.51		1.02	1	07/10/2025 13:30	WG2556253
Lead	4.70		0.512	1	07/10/2025 13:30	WG2556253
Selenium	ND		2.05	1	07/10/2025 13:30	WG2556253
Silver	ND		1.02	1	07/10/2025 13:30	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0595	1.14	07/05/2025 21:21	WG2553747
Acrylonitrile	ND		0.0149	1.14	07/05/2025 21:21	WG2553747
Benzene	ND		0.00119	1.14	07/05/2025 21:21	WG2553747
Bromobenzene	ND		0.0149	1.14	07/05/2025 21:21	WG2553747
Bromodichloromethane	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
Bromoform	ND		0.0297	1.14	07/05/2025 21:21	WG2553747
Bromomethane	ND		0.0149	1.14	07/05/2025 21:21	WG2553747
n-Butylbenzene	ND		0.0149	1.14	07/05/2025 21:21	WG2553747
sec-Butylbenzene	ND		0.0149	1.14	07/05/2025 21:21	WG2553747
tert-Butylbenzene	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
Carbon tetrachloride	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
Chlorobenzene	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
Chlorodibromomethane	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
Chloroethane	ND	J4	0.00595	1.14	07/05/2025 21:21	WG2553747
Chloroform	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
Chloromethane	ND		0.0149	1.14	07/05/2025 21:21	WG2553747
2-Chlorotoluene	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
4-Chlorotoluene	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0297	1.14	07/05/2025 21:21	WG2553747
1,2-Dibromoethane	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
Dibromomethane	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
1,2-Dichlorobenzene	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
1,3-Dichlorobenzene	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
1,4-Dichlorobenzene	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
Dichlorodifluoromethane	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
1,1-Dichloroethane	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
1,2-Dichloroethane	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
1,1-Dichloroethene	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
cis-1,2-Dichloroethene	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
trans-1,2-Dichloroethene	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
1,2-Dichloropropane	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
1,1-Dichloropropene	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
1,3-Dichloropropane	ND		0.00595	1.14	07/05/2025 21:21	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
trans-1,3-Dichloropropene	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
2,2-Dichloropropane	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
Di-isopropyl ether	ND		0.00119	1.14	07/05/2025 21:21	WG2553747
Ethylbenzene	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
Hexachloro-1,3-butadiene	ND		0.0297	1.14	07/05/2025 21:21	WG2553747
Isopropylbenzene	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
p-Isopropyltoluene	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
2-Butanone (MEK)	ND		0.119	1.14	07/05/2025 21:21	WG2553747
Methylene Chloride	ND		0.0297	1.14	07/05/2025 21:21	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0297	1.14	07/05/2025 21:21	WG2553747
Methyl tert-butyl ether	ND		0.00119	1.14	07/05/2025 21:21	WG2553747
Naphthalene	ND		0.0149	1.14	07/05/2025 21:21	WG2553747
n-Propylbenzene	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
Styrene	ND		0.0149	1.14	07/05/2025 21:21	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
Tetrachloroethene	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
Toluene	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
1,2,3-Trichlorobenzene	ND		0.0149	1.14	07/05/2025 21:21	WG2553747
1,2,4-Trichlorobenzene	ND		0.0149	1.14	07/05/2025 21:21	WG2553747
1,1,1-Trichloroethane	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
1,1,2-Trichloroethane	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
Trichloroethene	ND		0.00119	1.14	07/05/2025 21:21	WG2553747
Trichlorofluoromethane	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
1,2,3-Trichloropropane	ND		0.0149	1.14	07/05/2025 21:21	WG2553747
1,2,4-Trimethylbenzene	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
1,2,3-Trimethylbenzene	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
1,3,5-Trimethylbenzene	ND		0.00595	1.14	07/05/2025 21:21	WG2553747
Vinyl chloride	ND		0.00297	1.14	07/05/2025 21:21	WG2553747
Xylenes, Total	ND		0.00773	1.14	07/05/2025 21:21	WG2553747
(S) Toluene-d8	*97.0*		*75.0-131*		*07/05/2025 21:21*	WG2553747
(S) 4-Bromofluorobenzene	*94.6*		*67.0-138*		*07/05/2025 21:21*	WG2553747
(S) 1,2-Dichloroethane-d4	*97.6*		*70.0-130*		*07/05/2025 21:21*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.6		1	07/09/2025 07:55	WG2555250

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0414	1	07/09/2025 17:52	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	ND		2.07	1	07/10/2025 13:33	WG2556253
Barium	58.0		0.517	1	07/10/2025 13:33	WG2556253
Cadmium	ND		0.517	1	07/10/2025 13:33	WG2556253
Chromium	6.53		1.03	1	07/10/2025 13:33	WG2556253
Lead	5.49		0.517	1	07/10/2025 13:33	WG2556253
Selenium	ND		2.07	1	07/10/2025 13:33	WG2556253
Silver	ND		1.03	1	07/10/2025 13:33	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	0.0812	C5	0.0571	1.07	07/05/2025 21:41	WG2553747
Acrylonitrile	ND		0.0143	1.07	07/05/2025 21:41	WG2553747
Benzene	ND		0.00114	1.07	07/05/2025 21:41	WG2553747
Bromobenzene	ND		0.0143	1.07	07/05/2025 21:41	WG2553747
Bromodichloromethane	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
Bromoform	ND		0.0286	1.07	07/05/2025 21:41	WG2553747
Bromomethane	ND		0.0143	1.07	07/05/2025 21:41	WG2553747
n-Butylbenzene	ND		0.0143	1.07	07/05/2025 21:41	WG2553747
sec-Butylbenzene	ND		0.0143	1.07	07/05/2025 21:41	WG2553747
tert-Butylbenzene	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
Carbon tetrachloride	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
Chlorobenzene	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
Chlorodibromomethane	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
Chloroethane	ND	J4	0.00571	1.07	07/05/2025 21:41	WG2553747
Chloroform	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
Chloromethane	ND		0.0143	1.07	07/05/2025 21:41	WG2553747
2-Chlorotoluene	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
4-Chlorotoluene	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0286	1.07	07/05/2025 21:41	WG2553747
1,2-Dibromoethane	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
Dibromomethane	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
1,2-Dichlorobenzene	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
1,3-Dichlorobenzene	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
1,4-Dichlorobenzene	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
Dichlorodifluoromethane	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
1,1-Dichloroethane	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
1,2-Dichloroethane	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
1,1-Dichloroethene	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
cis-1,2-Dichloroethene	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
trans-1,2-Dichloroethene	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
1,2-Dichloropropane	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
1,1-Dichloropropene	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
1,3-Dichloropropane	ND		0.00571	1.07	07/05/2025 21:41	WG2553747

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
trans-1,3-Dichloropropene	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
2,2-Dichloropropane	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
Di-isopropyl ether	ND		0.00114	1.07	07/05/2025 21:41	WG2553747
Ethylbenzene	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
Hexachloro-1,3-butadiene	ND		0.0286	1.07	07/05/2025 21:41	WG2553747
Isopropylbenzene	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
p-Isopropyltoluene	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
2-Butanone (MEK)	ND		0.114	1.07	07/05/2025 21:41	WG2553747
Methylene Chloride	ND		0.0286	1.07	07/05/2025 21:41	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0286	1.07	07/05/2025 21:41	WG2553747
Methyl tert-butyl ether	ND		0.00114	1.07	07/05/2025 21:41	WG2553747
Naphthalene	ND		0.0143	1.07	07/05/2025 21:41	WG2553747
n-Propylbenzene	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
Styrene	ND		0.0143	1.07	07/05/2025 21:41	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
Tetrachloroethene	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
Toluene	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
1,2,3-Trichlorobenzene	ND		0.0143	1.07	07/05/2025 21:41	WG2553747
1,2,4-Trichlorobenzene	ND		0.0143	1.07	07/05/2025 21:41	WG2553747
1,1,1-Trichloroethane	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
1,1,2-Trichloroethane	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
Trichloroethene	ND		0.00114	1.07	07/05/2025 21:41	WG2553747
Trichlorofluoromethane	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
1,2,3-Trichloropropane	ND		0.0143	1.07	07/05/2025 21:41	WG2553747
1,2,4-Trimethylbenzene	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
1,2,3-Trimethylbenzene	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
1,3,5-Trimethylbenzene	ND		0.00571	1.07	07/05/2025 21:41	WG2553747
Vinyl chloride	ND		0.00286	1.07	07/05/2025 21:41	WG2553747
Xylenes, Total	ND		0.00743	1.07	07/05/2025 21:41	WG2553747
(S) Toluene-d8	*95.6*		*75.0-131*		*07/05/2025 21:41*	WG2553747
(S) 4-Bromofluorobenzene	*94.3*		*67.0-138*		*07/05/2025 21:41*	WG2553747
(S) 1,2-Dichloroethane-d4	*97.1*		*70.0-130*		*07/05/2025 21:41*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.3		1	07/09/2025 07:55	WG2555250

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0411	1	07/09/2025 17:54	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	ND		2.06	1	07/10/2025 13:35	WG2556253
Barium	46.7		0.514	1	07/10/2025 13:35	WG2556253
Cadmium	ND		0.514	1	07/10/2025 13:35	WG2556253
Chromium	7.89		1.03	1	07/10/2025 13:35	WG2556253
Lead	5.35		0.514	1	07/10/2025 13:35	WG2556253
Selenium	ND		2.06	1	07/10/2025 13:35	WG2556253
Silver	ND		1.03	1	07/10/2025 13:35	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0584	1.11	07/05/2025 22:01	WG2553747
Acrylonitrile	ND		0.0146	1.11	07/05/2025 22:01	WG2553747
Benzene	ND		0.00117	1.11	07/05/2025 22:01	WG2553747
Bromobenzene	ND		0.0146	1.11	07/05/2025 22:01	WG2553747
Bromodichloromethane	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
Bromoform	ND		0.0293	1.11	07/05/2025 22:01	WG2553747
Bromomethane	ND		0.0146	1.11	07/05/2025 22:01	WG2553747
n-Butylbenzene	ND		0.0146	1.11	07/05/2025 22:01	WG2553747
sec-Butylbenzene	ND		0.0146	1.11	07/05/2025 22:01	WG2553747
tert-Butylbenzene	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
Carbon tetrachloride	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
Chlorobenzene	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
Chlorodibromomethane	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
Chloroethane	ND	J4	0.00584	1.11	07/05/2025 22:01	WG2553747
Chloroform	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
Chloromethane	ND		0.0146	1.11	07/05/2025 22:01	WG2553747
2-Chlorotoluene	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
4-Chlorotoluene	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0293	1.11	07/05/2025 22:01	WG2553747
1,2-Dibromoethane	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
Dibromomethane	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
1,2-Dichlorobenzene	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
1,3-Dichlorobenzene	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
1,4-Dichlorobenzene	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
Dichlorodifluoromethane	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
1,1-Dichloroethane	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
1,2-Dichloroethane	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
1,1-Dichloroethene	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
cis-1,2-Dichloroethene	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
trans-1,2-Dichloroethene	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
1,2-Dichloropropane	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
1,1-Dichloropropene	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
1,3-Dichloropropane	ND		0.00584	1.11	07/05/2025 22:01	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
trans-1,3-Dichloropropene	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
2,2-Dichloropropane	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
Di-isopropyl ether	ND		0.00117	1.11	07/05/2025 22:01	WG2553747
Ethylbenzene	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
Hexachloro-1,3-butadiene	ND		0.0293	1.11	07/05/2025 22:01	WG2553747
Isopropylbenzene	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
p-Isopropyltoluene	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
2-Butanone (MEK)	ND		0.117	1.11	07/05/2025 22:01	WG2553747
Methylene Chloride	ND		0.0293	1.11	07/05/2025 22:01	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0293	1.11	07/05/2025 22:01	WG2553747
Methyl tert-butyl ether	ND		0.00117	1.11	07/05/2025 22:01	WG2553747
Naphthalene	ND		0.0146	1.11	07/05/2025 22:01	WG2553747
n-Propylbenzene	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
Styrene	ND		0.0146	1.11	07/05/2025 22:01	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
Tetrachloroethene	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
Toluene	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
1,2,3-Trichlorobenzene	ND		0.0146	1.11	07/05/2025 22:01	WG2553747
1,2,4-Trichlorobenzene	ND		0.0146	1.11	07/05/2025 22:01	WG2553747
1,1,1-Trichloroethane	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
1,1,2-Trichloroethane	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
Trichloroethene	ND		0.00117	1.11	07/05/2025 22:01	WG2553747
Trichlorofluoromethane	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
1,2,3-Trichloropropane	ND		0.0146	1.11	07/05/2025 22:01	WG2553747
1,2,4-Trimethylbenzene	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
1,2,3-Trimethylbenzene	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
1,3,5-Trimethylbenzene	ND		0.00584	1.11	07/05/2025 22:01	WG2553747
Vinyl chloride	ND		0.00293	1.11	07/05/2025 22:01	WG2553747
Xylenes, Total	ND		0.00760	1.11	07/05/2025 22:01	WG2553747
(S) Toluene-d8	*96.9*		*75.0-131*		*07/05/2025 22:01*	WG2553747
(S) 4-Bromofluorobenzene	*95.8*		*67.0-138*		*07/05/2025 22:01*	WG2553747
(S) 1,2-Dichloroethane-d4	*98.8*		*70.0-130*		*07/05/2025 22:01*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.1		1	07/09/2025 07:55	WG2555250

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0470	1	07/09/2025 18:05	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	8.60		2.35	1	07/10/2025 13:38	WG2556253
Barium	73.0		0.588	1	07/10/2025 13:38	WG2556253
Cadmium	ND		0.588	1	07/10/2025 13:38	WG2556253
Chromium	27.7		1.18	1	07/10/2025 13:38	WG2556253
Lead	21.6		0.588	1	07/10/2025 13:38	WG2556253
Selenium	ND		2.35	1	07/10/2025 13:38	WG2556253
Silver	ND		1.18	1	07/10/2025 13:38	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	0.109	C5	0.0677	1	07/05/2025 22:21	WG2553747
Acrylonitrile	ND		0.0169	1	07/05/2025 22:21	WG2553747
Benzene	ND		0.00135	1	07/05/2025 22:21	WG2553747
Bromobenzene	ND		0.0169	1	07/05/2025 22:21	WG2553747
Bromodichloromethane	ND		0.00339	1	07/05/2025 22:21	WG2553747
Bromoform	ND		0.0339	1	07/05/2025 22:21	WG2553747
Bromomethane	ND		0.0169	1	07/05/2025 22:21	WG2553747
n-Butylbenzene	ND		0.0169	1	07/05/2025 22:21	WG2553747
sec-Butylbenzene	ND		0.0169	1	07/05/2025 22:21	WG2553747
tert-Butylbenzene	ND		0.00677	1	07/05/2025 22:21	WG2553747
Carbon tetrachloride	ND		0.00677	1	07/05/2025 22:21	WG2553747
Chlorobenzene	ND		0.00339	1	07/05/2025 22:21	WG2553747
Chlorodibromomethane	ND		0.00339	1	07/05/2025 22:21	WG2553747
Chloroethane	ND	J4	0.00677	1	07/05/2025 22:21	WG2553747
Chloroform	ND		0.00339	1	07/05/2025 22:21	WG2553747
Chloromethane	ND		0.0169	1	07/05/2025 22:21	WG2553747
2-Chlorotoluene	ND		0.00339	1	07/05/2025 22:21	WG2553747
4-Chlorotoluene	ND		0.00677	1	07/05/2025 22:21	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0339	1	07/05/2025 22:21	WG2553747
1,2-Dibromoethane	ND		0.00339	1	07/05/2025 22:21	WG2553747
Dibromomethane	ND		0.00677	1	07/05/2025 22:21	WG2553747
1,2-Dichlorobenzene	ND		0.00677	1	07/05/2025 22:21	WG2553747
1,3-Dichlorobenzene	ND		0.00677	1	07/05/2025 22:21	WG2553747
1,4-Dichlorobenzene	ND		0.00677	1	07/05/2025 22:21	WG2553747
Dichlorodifluoromethane	ND		0.00677	1	07/05/2025 22:21	WG2553747
1,1-Dichloroethane	ND		0.00339	1	07/05/2025 22:21	WG2553747
1,2-Dichloroethane	ND		0.00339	1	07/05/2025 22:21	WG2553747
1,1-Dichloroethene	ND		0.00339	1	07/05/2025 22:21	WG2553747
cis-1,2-Dichloroethene	ND		0.00339	1	07/05/2025 22:21	WG2553747
trans-1,2-Dichloroethene	ND		0.00677	1	07/05/2025 22:21	WG2553747
1,2-Dichloropropane	ND		0.00677	1	07/05/2025 22:21	WG2553747
1,1-Dichloropropene	ND		0.00339	1	07/05/2025 22:21	WG2553747
1,3-Dichloropropane	ND		0.00677	1	07/05/2025 22:21	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00339	1	07/05/2025 22:21	WG2553747
trans-1,3-Dichloropropene	ND		0.00677	1	07/05/2025 22:21	WG2553747
2,2-Dichloropropane	ND		0.00339	1	07/05/2025 22:21	WG2553747
Di-isopropyl ether	ND		0.00135	1	07/05/2025 22:21	WG2553747
Ethylbenzene	ND		0.00339	1	07/05/2025 22:21	WG2553747
Hexachloro-1,3-butadiene	ND		0.0339	1	07/05/2025 22:21	WG2553747
Isopropylbenzene	ND		0.00339	1	07/05/2025 22:21	WG2553747
p-Isopropyltoluene	ND		0.00677	1	07/05/2025 22:21	WG2553747
2-Butanone (MEK)	ND		0.135	1	07/05/2025 22:21	WG2553747
Methylene Chloride	ND		0.0339	1	07/05/2025 22:21	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0339	1	07/05/2025 22:21	WG2553747
Methyl tert-butyl ether	ND		0.00135	1	07/05/2025 22:21	WG2553747
Naphthalene	ND		0.0169	1	07/05/2025 22:21	WG2553747
n-Propylbenzene	ND		0.00677	1	07/05/2025 22:21	WG2553747
Styrene	ND		0.0169	1	07/05/2025 22:21	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00339	1	07/05/2025 22:21	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00339	1	07/05/2025 22:21	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00339	1	07/05/2025 22:21	WG2553747
Tetrachloroethene	ND		0.00339	1	07/05/2025 22:21	WG2553747
Toluene	ND		0.00677	1	07/05/2025 22:21	WG2553747
1,2,3-Trichlorobenzene	ND		0.0169	1	07/05/2025 22:21	WG2553747
1,2,4-Trichlorobenzene	ND		0.0169	1	07/05/2025 22:21	WG2553747
1,1,1-Trichloroethane	ND		0.00339	1	07/05/2025 22:21	WG2553747
1,1,2-Trichloroethane	ND		0.00339	1	07/05/2025 22:21	WG2553747
Trichloroethene	ND		0.00135	1	07/05/2025 22:21	WG2553747
Trichlorofluoromethane	ND		0.00339	1	07/05/2025 22:21	WG2553747
1,2,3-Trichloropropane	ND		0.0169	1	07/05/2025 22:21	WG2553747
1,2,4-Trimethylbenzene	ND		0.00677	1	07/05/2025 22:21	WG2553747
1,2,3-Trimethylbenzene	ND		0.00677	1	07/05/2025 22:21	WG2553747
1,3,5-Trimethylbenzene	ND		0.00677	1	07/05/2025 22:21	WG2553747
Vinyl chloride	ND		0.00339	1	07/05/2025 22:21	WG2553747
Xylenes, Total	ND		0.00880	1	07/05/2025 22:21	WG2553747
(S) Toluene-d8	*97.2*		*75.0-131*		*07/05/2025 22:21*	WG2553747
(S) 4-Bromofluorobenzene	*94.6*		*67.0-138*		*07/05/2025 22:21*	WG2553747
(S) 1,2-Dichloroethane-d4	*99.4*		*70.0-130*		*07/05/2025 22:21*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	07/09/2025 07:55	WG2555250

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0434	1	07/09/2025 18:08	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	ND		2.17	1	07/10/2025 13:41	WG2556253
Barium	62.4		0.543	1	07/10/2025 13:41	WG2556253
Cadmium	ND		0.543	1	07/10/2025 13:41	WG2556253
Chromium	6.35		1.09	1	07/10/2025 13:41	WG2556253
Lead	5.48		0.543	1	07/10/2025 13:41	WG2556253
Selenium	ND		2.17	1	07/10/2025 13:41	WG2556253
Silver	ND		1.09	1	07/10/2025 13:41	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0586	1	07/05/2025 22:41	WG2553747
Acrylonitrile	ND		0.0146	1	07/05/2025 22:41	WG2553747
Benzene	ND		0.00117	1	07/05/2025 22:41	WG2553747
Bromobenzene	ND		0.0146	1	07/05/2025 22:41	WG2553747
Bromodichloromethane	ND		0.00293	1	07/05/2025 22:41	WG2553747
Bromoform	ND		0.0293	1	07/05/2025 22:41	WG2553747
Bromomethane	ND		0.0146	1	07/05/2025 22:41	WG2553747
n-Butylbenzene	ND		0.0146	1	07/05/2025 22:41	WG2553747
sec-Butylbenzene	ND		0.0146	1	07/05/2025 22:41	WG2553747
tert-Butylbenzene	ND		0.00586	1	07/05/2025 22:41	WG2553747
Carbon tetrachloride	ND		0.00586	1	07/05/2025 22:41	WG2553747
Chlorobenzene	ND		0.00293	1	07/05/2025 22:41	WG2553747
Chlorodibromomethane	ND		0.00293	1	07/05/2025 22:41	WG2553747
Chloroethane	ND	J4	0.00586	1	07/05/2025 22:41	WG2553747
Chloroform	ND		0.00293	1	07/05/2025 22:41	WG2553747
Chloromethane	ND		0.0146	1	07/05/2025 22:41	WG2553747
2-Chlorotoluene	ND		0.00293	1	07/05/2025 22:41	WG2553747
4-Chlorotoluene	ND		0.00586	1	07/05/2025 22:41	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0293	1	07/05/2025 22:41	WG2553747
1,2-Dibromoethane	ND		0.00293	1	07/05/2025 22:41	WG2553747
Dibromomethane	ND		0.00586	1	07/05/2025 22:41	WG2553747
1,2-Dichlorobenzene	ND		0.00586	1	07/05/2025 22:41	WG2553747
1,3-Dichlorobenzene	ND		0.00586	1	07/05/2025 22:41	WG2553747
1,4-Dichlorobenzene	ND		0.00586	1	07/05/2025 22:41	WG2553747
Dichlorodifluoromethane	ND		0.00586	1	07/05/2025 22:41	WG2553747
1,1-Dichloroethane	ND		0.00293	1	07/05/2025 22:41	WG2553747
1,2-Dichloroethane	ND		0.00293	1	07/05/2025 22:41	WG2553747
1,1-Dichloroethene	ND		0.00293	1	07/05/2025 22:41	WG2553747
cis-1,2-Dichloroethene	ND		0.00293	1	07/05/2025 22:41	WG2553747
trans-1,2-Dichloroethene	ND		0.00586	1	07/05/2025 22:41	WG2553747
1,2-Dichloropropane	ND		0.00586	1	07/05/2025 22:41	WG2553747
1,1-Dichloropropene	ND		0.00293	1	07/05/2025 22:41	WG2553747
1,3-Dichloropropane	ND		0.00586	1	07/05/2025 22:41	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00293	1	07/05/2025 22:41	WG2553747
trans-1,3-Dichloropropene	ND		0.00586	1	07/05/2025 22:41	WG2553747
2,2-Dichloropropane	ND		0.00293	1	07/05/2025 22:41	WG2553747
Di-isopropyl ether	ND		0.00117	1	07/05/2025 22:41	WG2553747
Ethylbenzene	ND		0.00293	1	07/05/2025 22:41	WG2553747
Hexachloro-1,3-butadiene	ND		0.0293	1	07/05/2025 22:41	WG2553747
Isopropylbenzene	ND		0.00293	1	07/05/2025 22:41	WG2553747
p-Isopropyltoluene	ND		0.00586	1	07/05/2025 22:41	WG2553747
2-Butanone (MEK)	ND		0.117	1	07/05/2025 22:41	WG2553747
Methylene Chloride	ND		0.0293	1	07/05/2025 22:41	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0293	1	07/05/2025 22:41	WG2553747
Methyl tert-butyl ether	ND		0.00117	1	07/05/2025 22:41	WG2553747
Naphthalene	ND		0.0146	1	07/05/2025 22:41	WG2553747
n-Propylbenzene	ND		0.00586	1	07/05/2025 22:41	WG2553747
Styrene	ND		0.0146	1	07/05/2025 22:41	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00293	1	07/05/2025 22:41	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00293	1	07/05/2025 22:41	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00293	1	07/05/2025 22:41	WG2553747
Tetrachloroethene	ND		0.00293	1	07/05/2025 22:41	WG2553747
Toluene	ND		0.00586	1	07/05/2025 22:41	WG2553747
1,2,3-Trichlorobenzene	ND		0.0146	1	07/05/2025 22:41	WG2553747
1,2,4-Trichlorobenzene	ND		0.0146	1	07/05/2025 22:41	WG2553747
1,1,1-Trichloroethane	ND		0.00293	1	07/05/2025 22:41	WG2553747
1,1,2-Trichloroethane	ND		0.00293	1	07/05/2025 22:41	WG2553747
Trichloroethene	ND		0.00117	1	07/05/2025 22:41	WG2553747
Trichlorofluoromethane	ND		0.00293	1	07/05/2025 22:41	WG2553747
1,2,3-Trichloropropane	ND		0.0146	1	07/05/2025 22:41	WG2553747
1,2,4-Trimethylbenzene	ND		0.00586	1	07/05/2025 22:41	WG2553747
1,2,3-Trimethylbenzene	ND		0.00586	1	07/05/2025 22:41	WG2553747
1,3,5-Trimethylbenzene	ND		0.00586	1	07/05/2025 22:41	WG2553747
Vinyl chloride	ND		0.00293	1	07/05/2025 22:41	WG2553747
Xylenes, Total	ND		0.00761	1	07/05/2025 22:41	WG2553747
(S) Toluene-d8	*96.4*		*75.0-131*		*07/05/2025 22:41*	WG2553747
(S) 4-Bromofluorobenzene	*94.6*		*67.0-138*		*07/05/2025 22:41*	WG2553747
(S) 1,2-Dichloroethane-d4	*99.2*		*70.0-130*		*07/05/2025 22:41*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.9		1	07/09/2025 07:55	WG2555250

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0408	1	07/09/2025 18:10	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	ND		2.04	1	07/10/2025 13:44	WG2556253
Barium	58.6		0.511	1	07/10/2025 13:44	WG2556253
Cadmium	ND		0.511	1	07/10/2025 13:44	WG2556253
Chromium	6.12		1.02	1	07/10/2025 13:44	WG2556253
Lead	4.75		0.511	1	07/10/2025 13:44	WG2556253
Selenium	ND		2.04	1	07/10/2025 13:44	WG2556253
Silver	ND		1.02	1	07/10/2025 13:44	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0547	1.05	07/05/2025 23:01	WG2553747
Acrylonitrile	ND		0.0136	1.05	07/05/2025 23:01	WG2553747
Benzene	ND		0.00109	1.05	07/05/2025 23:01	WG2553747
Bromobenzene	ND		0.0136	1.05	07/05/2025 23:01	WG2553747
Bromodichloromethane	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
Bromoform	ND		0.0274	1.05	07/05/2025 23:01	WG2553747
Bromomethane	ND		0.0136	1.05	07/05/2025 23:01	WG2553747
n-Butylbenzene	ND		0.0136	1.05	07/05/2025 23:01	WG2553747
sec-Butylbenzene	ND		0.0136	1.05	07/05/2025 23:01	WG2553747
tert-Butylbenzene	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
Carbon tetrachloride	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
Chlorobenzene	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
Chlorodibromomethane	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
Chloroethane	ND	J4	0.00547	1.05	07/05/2025 23:01	WG2553747
Chloroform	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
Chloromethane	ND		0.0136	1.05	07/05/2025 23:01	WG2553747
2-Chlorotoluene	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
4-Chlorotoluene	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0274	1.05	07/05/2025 23:01	WG2553747
1,2-Dibromoethane	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
Dibromomethane	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
1,2-Dichlorobenzene	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
1,3-Dichlorobenzene	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
1,4-Dichlorobenzene	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
Dichlorodifluoromethane	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
1,1-Dichloroethane	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
1,2-Dichloroethane	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
1,1-Dichloroethene	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
cis-1,2-Dichloroethene	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
trans-1,2-Dichloroethene	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
1,2-Dichloropropane	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
1,1-Dichloropropene	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
1,3-Dichloropropane	ND		0.00547	1.05	07/05/2025 23:01	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
trans-1,3-Dichloropropene	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
2,2-Dichloropropane	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
Di-isopropyl ether	ND		0.00109	1.05	07/05/2025 23:01	WG2553747
Ethylbenzene	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
Hexachloro-1,3-butadiene	ND		0.0274	1.05	07/05/2025 23:01	WG2553747
Isopropylbenzene	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
p-Isopropyltoluene	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
2-Butanone (MEK)	ND		0.109	1.05	07/05/2025 23:01	WG2553747
Methylene Chloride	ND		0.0274	1.05	07/05/2025 23:01	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0274	1.05	07/05/2025 23:01	WG2553747
Methyl tert-butyl ether	ND		0.00109	1.05	07/05/2025 23:01	WG2553747
Naphthalene	ND		0.0136	1.05	07/05/2025 23:01	WG2553747
n-Propylbenzene	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
Styrene	ND		0.0136	1.05	07/05/2025 23:01	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
Tetrachloroethene	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
Toluene	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
1,2,3-Trichlorobenzene	ND		0.0136	1.05	07/05/2025 23:01	WG2553747
1,2,4-Trichlorobenzene	ND		0.0136	1.05	07/05/2025 23:01	WG2553747
1,1,1-Trichloroethane	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
1,1,2-Trichloroethane	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
Trichloroethene	ND		0.00109	1.05	07/05/2025 23:01	WG2553747
Trichlorofluoromethane	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
1,2,3-Trichloropropane	ND		0.0136	1.05	07/05/2025 23:01	WG2553747
1,2,4-Trimethylbenzene	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
1,2,3-Trimethylbenzene	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
1,3,5-Trimethylbenzene	ND		0.00547	1.05	07/05/2025 23:01	WG2553747
Vinyl chloride	ND		0.00274	1.05	07/05/2025 23:01	WG2553747
Xylenes, Total	ND		0.00711	1.05	07/05/2025 23:01	WG2553747
(S) Toluene-d8	*96.1*		*75.0-131*		*07/05/2025 23:01*	WG2553747
(S) 4-Bromofluorobenzene	*94.7*		*67.0-138*		*07/05/2025 23:01*	WG2553747
(S) 1,2-Dichloroethane-d4	*98.7*		*70.0-130*		*07/05/2025 23:01*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.6		1	07/09/2025 09:43	WG2555253

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0414	1	07/09/2025 18:13	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	2.52		2.07	1	07/10/2025 13:46	WG2556253
Barium	72.5		0.517	1	07/10/2025 13:46	WG2556253
Cadmium	ND		0.517	1	07/10/2025 13:46	WG2556253
Chromium	8.36		1.03	1	07/10/2025 13:46	WG2556253
Lead	6.36		0.517	1	07/10/2025 13:46	WG2556253
Selenium	ND		2.07	1	07/10/2025 13:46	WG2556253
Silver	ND		1.03	1	07/10/2025 13:46	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0623	1.17	07/05/2025 23:21	WG2553747
Acrylonitrile	ND		0.0155	1.17	07/05/2025 23:21	WG2553747
Benzene	ND		0.00125	1.17	07/05/2025 23:21	WG2553747
Bromobenzene	ND		0.0155	1.17	07/05/2025 23:21	WG2553747
Bromodichloromethane	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
Bromoform	ND		0.0312	1.17	07/05/2025 23:21	WG2553747
Bromomethane	ND		0.0155	1.17	07/05/2025 23:21	WG2553747
n-Butylbenzene	ND		0.0155	1.17	07/05/2025 23:21	WG2553747
sec-Butylbenzene	ND		0.0155	1.17	07/05/2025 23:21	WG2553747
tert-Butylbenzene	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
Carbon tetrachloride	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
Chlorobenzene	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
Chlorodibromomethane	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
Chloroethane	ND	J4	0.00623	1.17	07/05/2025 23:21	WG2553747
Chloroform	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
Chloromethane	ND		0.0155	1.17	07/05/2025 23:21	WG2553747
2-Chlorotoluene	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
4-Chlorotoluene	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0312	1.17	07/05/2025 23:21	WG2553747
1,2-Dibromoethane	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
Dibromomethane	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
1,2-Dichlorobenzene	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
1,3-Dichlorobenzene	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
1,4-Dichlorobenzene	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
Dichlorodifluoromethane	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
1,1-Dichloroethane	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
1,2-Dichloroethane	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
1,1-Dichloroethene	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
cis-1,2-Dichloroethene	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
trans-1,2-Dichloroethene	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
1,2-Dichloropropane	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
1,1-Dichloropropene	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
1,3-Dichloropropane	ND		0.00623	1.17	07/05/2025 23:21	WG2553747

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
trans-1,3-Dichloropropene	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
2,2-Dichloropropane	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
Di-isopropyl ether	ND		0.00125	1.17	07/05/2025 23:21	WG2553747
Ethylbenzene	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
Hexachloro-1,3-butadiene	ND		0.0312	1.17	07/05/2025 23:21	WG2553747
Isopropylbenzene	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
p-Isopropyltoluene	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
2-Butanone (MEK)	ND		0.125	1.17	07/05/2025 23:21	WG2553747
Methylene Chloride	ND		0.0312	1.17	07/05/2025 23:21	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0312	1.17	07/05/2025 23:21	WG2553747
Methyl tert-butyl ether	ND		0.00125	1.17	07/05/2025 23:21	WG2553747
Naphthalene	ND		0.0155	1.17	07/05/2025 23:21	WG2553747
n-Propylbenzene	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
Styrene	ND		0.0155	1.17	07/05/2025 23:21	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
Tetrachloroethene	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
Toluene	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
1,2,3-Trichlorobenzene	ND		0.0155	1.17	07/05/2025 23:21	WG2553747
1,2,4-Trichlorobenzene	ND		0.0155	1.17	07/05/2025 23:21	WG2553747
1,1,1-Trichloroethane	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
1,1,2-Trichloroethane	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
Trichloroethene	ND		0.00125	1.17	07/05/2025 23:21	WG2553747
Trichlorofluoromethane	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
1,2,3-Trichloropropane	ND		0.0155	1.17	07/05/2025 23:21	WG2553747
1,2,4-Trimethylbenzene	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
1,2,3-Trimethylbenzene	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
1,3,5-Trimethylbenzene	ND		0.00623	1.17	07/05/2025 23:21	WG2553747
Vinyl chloride	ND		0.00312	1.17	07/05/2025 23:21	WG2553747
Xylenes, Total	ND		0.00809	1.17	07/05/2025 23:21	WG2553747
(S) Toluene-d8	*96.7*		*75.0-131*		*07/05/2025 23:21*	WG2553747
(S) 4-Bromofluorobenzene	*94.7*		*67.0-138*		*07/05/2025 23:21*	WG2553747
(S) 1,2-Dichloroethane-d4	*96.5*		*70.0-130*		*07/05/2025 23:21*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.1		1	07/09/2025 09:43	WG2555253

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0416	1	07/09/2025 18:16	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	2.36		2.08	1	07/10/2025 13:49	WG2556253
Barium	67.5		0.520	1	07/10/2025 13:49	WG2556253
Cadmium	ND		0.520	1	07/10/2025 13:49	WG2556253
Chromium	8.20		1.04	1	07/10/2025 13:49	WG2556253
Lead	6.26		0.520	1	07/10/2025 13:49	WG2556253
Selenium	ND		2.08	1	07/10/2025 13:49	WG2556253
Silver	ND		1.04	1	07/10/2025 13:49	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0592	1.1	07/05/2025 23:40	WG2553747
Acrylonitrile	ND		0.0149	1.1	07/05/2025 23:40	WG2553747
Benzene	ND		0.00118	1.1	07/05/2025 23:40	WG2553747
Bromobenzene	ND		0.0149	1.1	07/05/2025 23:40	WG2553747
Bromodichloromethane	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
Bromoform	ND		0.0296	1.1	07/05/2025 23:40	WG2553747
Bromomethane	ND		0.0149	1.1	07/05/2025 23:40	WG2553747
n-Butylbenzene	ND		0.0149	1.1	07/05/2025 23:40	WG2553747
sec-Butylbenzene	ND		0.0149	1.1	07/05/2025 23:40	WG2553747
tert-Butylbenzene	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
Carbon tetrachloride	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
Chlorobenzene	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
Chlorodibromomethane	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
Chloroethane	ND	J4	0.00592	1.1	07/05/2025 23:40	WG2553747
Chloroform	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
Chloromethane	ND		0.0149	1.1	07/05/2025 23:40	WG2553747
2-Chlorotoluene	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
4-Chlorotoluene	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0296	1.1	07/05/2025 23:40	WG2553747
1,2-Dibromoethane	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
Dibromomethane	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
1,2-Dichlorobenzene	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
1,3-Dichlorobenzene	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
1,4-Dichlorobenzene	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
Dichlorodifluoromethane	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
1,1-Dichloroethane	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
1,2-Dichloroethane	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
1,1-Dichloroethene	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
cis-1,2-Dichloroethene	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
trans-1,2-Dichloroethene	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
1,2-Dichloropropane	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
1,1-Dichloropropene	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
1,3-Dichloropropane	ND		0.00592	1.1	07/05/2025 23:40	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
trans-1,3-Dichloropropene	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
2,2-Dichloropropane	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
Di-isopropyl ether	ND		0.00118	1.1	07/05/2025 23:40	WG2553747
Ethylbenzene	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
Hexachloro-1,3-butadiene	ND		0.0296	1.1	07/05/2025 23:40	WG2553747
Isopropylbenzene	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
p-Isopropyltoluene	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
2-Butanone (MEK)	ND		0.118	1.1	07/05/2025 23:40	WG2553747
Methylene Chloride	ND		0.0296	1.1	07/05/2025 23:40	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0296	1.1	07/05/2025 23:40	WG2553747
Methyl tert-butyl ether	ND		0.00118	1.1	07/05/2025 23:40	WG2553747
Naphthalene	ND		0.0149	1.1	07/05/2025 23:40	WG2553747
n-Propylbenzene	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
Styrene	ND		0.0149	1.1	07/05/2025 23:40	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
Tetrachloroethene	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
Toluene	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
1,2,3-Trichlorobenzene	ND		0.0149	1.1	07/05/2025 23:40	WG2553747
1,2,4-Trichlorobenzene	ND		0.0149	1.1	07/05/2025 23:40	WG2553747
1,1,1-Trichloroethane	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
1,1,2-Trichloroethane	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
Trichloroethene	ND		0.00118	1.1	07/05/2025 23:40	WG2553747
Trichlorofluoromethane	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
1,2,3-Trichloropropane	ND		0.0149	1.1	07/05/2025 23:40	WG2553747
1,2,4-Trimethylbenzene	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
1,2,3-Trimethylbenzene	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
1,3,5-Trimethylbenzene	ND		0.00592	1.1	07/05/2025 23:40	WG2553747
Vinyl chloride	ND		0.00296	1.1	07/05/2025 23:40	WG2553747
Xylenes, Total	ND		0.00770	1.1	07/05/2025 23:40	WG2553747
(S) Toluene-d8	*96.6*		*75.0-131*		*07/05/2025 23:40*	WG2553747
(S) 4-Bromofluorobenzene	*94.4*		*67.0-138*		*07/05/2025 23:40*	WG2553747
(S) 1,2-Dichloroethane-d4	*96.8*		*70.0-130*		*07/05/2025 23:40*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.6		1	07/09/2025 09:43	WG2555253

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0432	1	07/09/2025 18:18	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	4.30		2.16	1	07/10/2025 13:52	WG2556253
Barium	102		0.540	1	07/10/2025 13:52	WG2556253
Cadmium	ND		0.540	1	07/10/2025 13:52	WG2556253
Chromium	14.1		1.08	1	07/10/2025 13:52	WG2556253
Lead	9.72		0.540	1	07/10/2025 13:52	WG2556253
Selenium	ND		2.16	1	07/10/2025 13:52	WG2556253
Silver	ND		1.08	1	07/10/2025 13:52	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0623	1.08	07/06/2025 00:00	WG2553747
Acrylonitrile	ND		0.0156	1.08	07/06/2025 00:00	WG2553747
Benzene	ND		0.00125	1.08	07/06/2025 00:00	WG2553747
Bromobenzene	ND		0.0156	1.08	07/06/2025 00:00	WG2553747
Bromodichloromethane	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
Bromoform	ND		0.0312	1.08	07/06/2025 00:00	WG2553747
Bromomethane	ND		0.0156	1.08	07/06/2025 00:00	WG2553747
n-Butylbenzene	ND		0.0156	1.08	07/06/2025 00:00	WG2553747
sec-Butylbenzene	ND		0.0156	1.08	07/06/2025 00:00	WG2553747
tert-Butylbenzene	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
Carbon tetrachloride	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
Chlorobenzene	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
Chlorodibromomethane	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
Chloroethane	ND	J4	0.00623	1.08	07/06/2025 00:00	WG2553747
Chloroform	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
Chloromethane	ND		0.0156	1.08	07/06/2025 00:00	WG2553747
2-Chlorotoluene	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
4-Chlorotoluene	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0312	1.08	07/06/2025 00:00	WG2553747
1,2-Dibromoethane	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
Dibromomethane	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
1,2-Dichlorobenzene	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
1,3-Dichlorobenzene	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
1,4-Dichlorobenzene	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
Dichlorodifluoromethane	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
1,1-Dichloroethane	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
1,2-Dichloroethane	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
1,1-Dichloroethene	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
cis-1,2-Dichloroethene	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
trans-1,2-Dichloroethene	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
1,2-Dichloropropane	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
1,1-Dichloropropene	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
1,3-Dichloropropane	ND		0.00623	1.08	07/06/2025 00:00	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
trans-1,3-Dichloropropene	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
2,2-Dichloropropane	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
Di-isopropyl ether	ND		0.00125	1.08	07/06/2025 00:00	WG2553747
Ethylbenzene	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
Hexachloro-1,3-butadiene	ND		0.0312	1.08	07/06/2025 00:00	WG2553747
Isopropylbenzene	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
p-Isopropyltoluene	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
2-Butanone (MEK)	ND		0.125	1.08	07/06/2025 00:00	WG2553747
Methylene Chloride	ND		0.0312	1.08	07/06/2025 00:00	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0312	1.08	07/06/2025 00:00	WG2553747
Methyl tert-butyl ether	ND		0.00125	1.08	07/06/2025 00:00	WG2553747
Naphthalene	ND		0.0156	1.08	07/06/2025 00:00	WG2553747
n-Propylbenzene	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
Styrene	ND		0.0156	1.08	07/06/2025 00:00	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
Tetrachloroethene	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
Toluene	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
1,2,3-Trichlorobenzene	ND		0.0156	1.08	07/06/2025 00:00	WG2553747
1,2,4-Trichlorobenzene	ND		0.0156	1.08	07/06/2025 00:00	WG2553747
1,1,1-Trichloroethane	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
1,1,2-Trichloroethane	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
Trichloroethene	ND		0.00125	1.08	07/06/2025 00:00	WG2553747
Trichlorofluoromethane	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
1,2,3-Trichloropropane	ND		0.0156	1.08	07/06/2025 00:00	WG2553747
1,2,4-Trimethylbenzene	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
1,2,3-Trimethylbenzene	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
1,3,5-Trimethylbenzene	ND		0.00623	1.08	07/06/2025 00:00	WG2553747
Vinyl chloride	ND		0.00312	1.08	07/06/2025 00:00	WG2553747
Xylenes, Total	ND		0.00811	1.08	07/06/2025 00:00	WG2553747
(S) Toluene-d8	*97.0*		*75.0-131*		*07/06/2025 00:00*	WG2553747
(S) 4-Bromofluorobenzene	*94.6*		*67.0-138*		*07/06/2025 00:00*	WG2553747
(S) 1,2-Dichloroethane-d4	*97.2*		*70.0-130*		*07/06/2025 00:00*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.5		1	07/09/2025 09:43	WG2555253

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0410	1	07/09/2025 18:21	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	ND		2.05	1	07/10/2025 13:55	WG2556253
Barium	71.7		0.513	1	07/10/2025 13:55	WG2556253
Cadmium	ND		0.513	1	07/10/2025 13:55	WG2556253
Chromium	7.33		1.03	1	07/10/2025 13:55	WG2556253
Lead	5.50		0.513	1	07/10/2025 13:55	WG2556253
Selenium	ND		2.05	1	07/10/2025 13:55	WG2556253
Silver	ND		1.03	1	07/10/2025 13:55	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0551	1.05	07/06/2025 00:20	WG2553747
Acrylonitrile	ND		0.0138	1.05	07/06/2025 00:20	WG2553747
Benzene	ND		0.00110	1.05	07/06/2025 00:20	WG2553747
Bromobenzene	ND		0.0138	1.05	07/06/2025 00:20	WG2553747
Bromodichloromethane	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
Bromoform	ND		0.0276	1.05	07/06/2025 00:20	WG2553747
Bromomethane	ND		0.0138	1.05	07/06/2025 00:20	WG2553747
n-Butylbenzene	ND		0.0138	1.05	07/06/2025 00:20	WG2553747
sec-Butylbenzene	ND		0.0138	1.05	07/06/2025 00:20	WG2553747
tert-Butylbenzene	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
Carbon tetrachloride	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
Chlorobenzene	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
Chlorodibromomethane	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
Chloroethane	ND	J4	0.00551	1.05	07/06/2025 00:20	WG2553747
Chloroform	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
Chloromethane	ND		0.0138	1.05	07/06/2025 00:20	WG2553747
2-Chlorotoluene	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
4-Chlorotoluene	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0276	1.05	07/06/2025 00:20	WG2553747
1,2-Dibromoethane	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
Dibromomethane	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
1,2-Dichlorobenzene	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
1,3-Dichlorobenzene	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
1,4-Dichlorobenzene	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
Dichlorodifluoromethane	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
1,1-Dichloroethane	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
1,2-Dichloroethane	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
1,1-Dichloroethene	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
cis-1,2-Dichloroethene	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
trans-1,2-Dichloroethene	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
1,2-Dichloropropane	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
1,1-Dichloropropene	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
1,3-Dichloropropane	ND		0.00551	1.05	07/06/2025 00:20	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
trans-1,3-Dichloropropene	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
2,2-Dichloropropane	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
Di-isopropyl ether	ND		0.00110	1.05	07/06/2025 00:20	WG2553747
Ethylbenzene	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
Hexachloro-1,3-butadiene	ND		0.0276	1.05	07/06/2025 00:20	WG2553747
Isopropylbenzene	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
p-Isopropyltoluene	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
2-Butanone (MEK)	ND		0.110	1.05	07/06/2025 00:20	WG2553747
Methylene Chloride	ND		0.0276	1.05	07/06/2025 00:20	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0276	1.05	07/06/2025 00:20	WG2553747
Methyl tert-butyl ether	ND		0.00110	1.05	07/06/2025 00:20	WG2553747
Naphthalene	ND		0.0138	1.05	07/06/2025 00:20	WG2553747
n-Propylbenzene	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
Styrene	ND		0.0138	1.05	07/06/2025 00:20	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
Tetrachloroethene	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
Toluene	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
1,2,3-Trichlorobenzene	ND		0.0138	1.05	07/06/2025 00:20	WG2553747
1,2,4-Trichlorobenzene	ND		0.0138	1.05	07/06/2025 00:20	WG2553747
1,1,1-Trichloroethane	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
1,1,2-Trichloroethane	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
Trichloroethene	ND		0.00110	1.05	07/06/2025 00:20	WG2553747
Trichlorofluoromethane	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
1,2,3-Trichloropropane	ND		0.0138	1.05	07/06/2025 00:20	WG2553747
1,2,4-Trimethylbenzene	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
1,2,3-Trimethylbenzene	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
1,3,5-Trimethylbenzene	ND		0.00551	1.05	07/06/2025 00:20	WG2553747
Vinyl chloride	ND		0.00276	1.05	07/06/2025 00:20	WG2553747
Xylenes, Total	ND		0.00717	1.05	07/06/2025 00:20	WG2553747
(S) Toluene-d8	*96.0*		*75.0-131*		*07/06/2025 00:20*	WG2553747
(S) 4-Bromofluorobenzene	*94.6*		*67.0-138*		*07/06/2025 00:20*	WG2553747
(S) 1,2-Dichloroethane-d4	*96.8*		*70.0-130*		*07/06/2025 00:20*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.1		1	07/09/2025 09:43	WG2555253

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0412	1	07/09/2025 18:24	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	ND		2.06	1	07/10/2025 14:03	WG2556253
Barium	61.5		0.515	1	07/10/2025 14:03	WG2556253
Cadmium	ND		0.515	1	07/10/2025 14:03	WG2556253
Chromium	6.87		1.03	1	07/10/2025 14:03	WG2556253
Lead	5.52		0.515	1	07/10/2025 14:03	WG2556253
Selenium	ND		2.06	1	07/10/2025 14:03	WG2556253
Silver	ND		1.03	1	07/10/2025 14:03	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0694	1.32	07/06/2025 00:40	WG2553747
Acrylonitrile	ND		0.0174	1.32	07/06/2025 00:40	WG2553747
Benzene	ND		0.00139	1.32	07/06/2025 00:40	WG2553747
Bromobenzene	ND		0.0174	1.32	07/06/2025 00:40	WG2553747
Bromodichloromethane	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
Bromoform	ND		0.0347	1.32	07/06/2025 00:40	WG2553747
Bromomethane	ND		0.0174	1.32	07/06/2025 00:40	WG2553747
n-Butylbenzene	ND		0.0174	1.32	07/06/2025 00:40	WG2553747
sec-Butylbenzene	ND		0.0174	1.32	07/06/2025 00:40	WG2553747
tert-Butylbenzene	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
Carbon tetrachloride	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
Chlorobenzene	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
Chlorodibromomethane	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
Chloroethane	ND	J4	0.00694	1.32	07/06/2025 00:40	WG2553747
Chloroform	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
Chloromethane	ND		0.0174	1.32	07/06/2025 00:40	WG2553747
2-Chlorotoluene	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
4-Chlorotoluene	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0347	1.32	07/06/2025 00:40	WG2553747
1,2-Dibromoethane	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
Dibromomethane	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
1,2-Dichlorobenzene	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
1,3-Dichlorobenzene	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
1,4-Dichlorobenzene	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
Dichlorodifluoromethane	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
1,1-Dichloroethane	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
1,2-Dichloroethane	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
1,1-Dichloroethene	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
cis-1,2-Dichloroethene	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
trans-1,2-Dichloroethene	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
1,2-Dichloropropane	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
1,1-Dichloropropene	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
1,3-Dichloropropane	ND		0.00694	1.32	07/06/2025 00:40	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
trans-1,3-Dichloropropene	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
2,2-Dichloropropane	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
Di-isopropyl ether	ND		0.00139	1.32	07/06/2025 00:40	WG2553747
Ethylbenzene	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
Hexachloro-1,3-butadiene	ND		0.0347	1.32	07/06/2025 00:40	WG2553747
Isopropylbenzene	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
p-Isopropyltoluene	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
2-Butanone (MEK)	ND		0.139	1.32	07/06/2025 00:40	WG2553747
Methylene Chloride	ND		0.0347	1.32	07/06/2025 00:40	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0347	1.32	07/06/2025 00:40	WG2553747
Methyl tert-butyl ether	ND		0.00139	1.32	07/06/2025 00:40	WG2553747
Naphthalene	ND		0.0174	1.32	07/06/2025 00:40	WG2553747
n-Propylbenzene	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
Styrene	ND		0.0174	1.32	07/06/2025 00:40	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
Tetrachloroethene	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
Toluene	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
1,2,3-Trichlorobenzene	ND		0.0174	1.32	07/06/2025 00:40	WG2553747
1,2,4-Trichlorobenzene	ND		0.0174	1.32	07/06/2025 00:40	WG2553747
1,1,1-Trichloroethane	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
1,1,2-Trichloroethane	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
Trichloroethene	ND		0.00139	1.32	07/06/2025 00:40	WG2553747
Trichlorofluoromethane	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
1,2,3-Trichloropropane	ND		0.0174	1.32	07/06/2025 00:40	WG2553747
1,2,4-Trimethylbenzene	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
1,2,3-Trimethylbenzene	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
1,3,5-Trimethylbenzene	ND		0.00694	1.32	07/06/2025 00:40	WG2553747
Vinyl chloride	ND		0.00347	1.32	07/06/2025 00:40	WG2553747
Xylenes, Total	ND		0.00903	1.32	07/06/2025 00:40	WG2553747
(S) Toluene-d8	*97.2*		*75.0-131*		*07/06/2025 00:40*	WG2553747
(S) 4-Bromofluorobenzene	*96.1*		*67.0-138*		*07/06/2025 00:40*	WG2553747
(S) 1,2-Dichloroethane-d4	*99.1*		*70.0-130*		*07/06/2025 00:40*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.1		1	07/09/2025 09:43	WG2555253

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0425	1	07/09/2025 18:26	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	2.24		2.12	1	07/10/2025 14:05	WG2556253
Barium	109		0.531	1	07/10/2025 14:05	WG2556253
Cadmium	ND		0.531	1	07/10/2025 14:05	WG2556253
Chromium	9.86		1.06	1	07/10/2025 14:05	WG2556253
Lead	8.38		0.531	1	07/10/2025 14:05	WG2556253
Selenium	ND		2.12	1	07/10/2025 14:05	WG2556253
Silver	ND		1.06	1	07/10/2025 14:05	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0695	1.25	07/06/2025 01:00	WG2553747
Acrylonitrile	ND		0.0174	1.25	07/06/2025 01:00	WG2553747
Benzene	ND		0.00139	1.25	07/06/2025 01:00	WG2553747
Bromobenzene	ND		0.0174	1.25	07/06/2025 01:00	WG2553747
Bromodichloromethane	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
Bromoform	ND		0.0348	1.25	07/06/2025 01:00	WG2553747
Bromomethane	ND		0.0174	1.25	07/06/2025 01:00	WG2553747
n-Butylbenzene	ND		0.0174	1.25	07/06/2025 01:00	WG2553747
sec-Butylbenzene	ND		0.0174	1.25	07/06/2025 01:00	WG2553747
tert-Butylbenzene	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
Carbon tetrachloride	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
Chlorobenzene	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
Chlorodibromomethane	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
Chloroethane	ND	J4	0.00695	1.25	07/06/2025 01:00	WG2553747
Chloroform	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
Chloromethane	ND		0.0174	1.25	07/06/2025 01:00	WG2553747
2-Chlorotoluene	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
4-Chlorotoluene	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0348	1.25	07/06/2025 01:00	WG2553747
1,2-Dibromoethane	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
Dibromomethane	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
1,2-Dichlorobenzene	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
1,3-Dichlorobenzene	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
1,4-Dichlorobenzene	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
Dichlorodifluoromethane	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
1,1-Dichloroethane	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
1,2-Dichloroethane	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
1,1-Dichloroethene	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
cis-1,2-Dichloroethene	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
trans-1,2-Dichloroethene	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
1,2-Dichloropropane	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
1,1-Dichloropropene	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
1,3-Dichloropropane	ND		0.00695	1.25	07/06/2025 01:00	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
trans-1,3-Dichloropropene	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
2,2-Dichloropropane	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
Di-isopropyl ether	ND		0.00139	1.25	07/06/2025 01:00	WG2553747
Ethylbenzene	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
Hexachloro-1,3-butadiene	ND		0.0348	1.25	07/06/2025 01:00	WG2553747
Isopropylbenzene	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
p-Isopropyltoluene	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
2-Butanone (MEK)	ND		0.139	1.25	07/06/2025 01:00	WG2553747
Methylene Chloride	ND		0.0348	1.25	07/06/2025 01:00	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0348	1.25	07/06/2025 01:00	WG2553747
Methyl tert-butyl ether	ND		0.00139	1.25	07/06/2025 01:00	WG2553747
Naphthalene	ND		0.0174	1.25	07/06/2025 01:00	WG2553747
n-Propylbenzene	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
Styrene	ND		0.0174	1.25	07/06/2025 01:00	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
Tetrachloroethene	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
Toluene	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
1,2,3-Trichlorobenzene	ND		0.0174	1.25	07/06/2025 01:00	WG2553747
1,2,4-Trichlorobenzene	ND		0.0174	1.25	07/06/2025 01:00	WG2553747
1,1,1-Trichloroethane	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
1,1,2-Trichloroethane	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
Trichloroethene	ND		0.00139	1.25	07/06/2025 01:00	WG2553747
Trichlorofluoromethane	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
1,2,3-Trichloropropane	ND		0.0174	1.25	07/06/2025 01:00	WG2553747
1,2,4-Trimethylbenzene	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
1,2,3-Trimethylbenzene	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
1,3,5-Trimethylbenzene	ND		0.00695	1.25	07/06/2025 01:00	WG2553747
Vinyl chloride	ND		0.00348	1.25	07/06/2025 01:00	WG2553747
Xylenes, Total	ND		0.00904	1.25	07/06/2025 01:00	WG2553747
(S) Toluene-d8	*95.3*		*75.0-131*		*07/06/2025 01:00*	WG2553747
(S) 4-Bromofluorobenzene	*95.3*		*67.0-138*		*07/06/2025 01:00*	WG2553747
(S) 1,2-Dichloroethane-d4	*97.9*		*70.0-130*		*07/06/2025 01:00*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.8		1	07/09/2025 09:43	WG2555253

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0426	1	07/09/2025 18:29	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	ND		2.13	1	07/10/2025 14:08	WG2556253
Barium	69.5		0.533	1	07/10/2025 14:08	WG2556253
Cadmium	ND		0.533	1	07/10/2025 14:08	WG2556253
Chromium	9.52		1.07	1	07/10/2025 14:08	WG2556253
Lead	8.27		0.533	1	07/10/2025 14:08	WG2556253
Selenium	ND		2.13	1	07/10/2025 14:08	WG2556253
Silver	ND		1.07	1	07/10/2025 14:08	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0769	1.38	07/06/2025 01:20	WG2553747
Acrylonitrile	ND		0.0193	1.38	07/06/2025 01:20	WG2553747
Benzene	ND		0.00154	1.38	07/06/2025 01:20	WG2553747
Bromobenzene	ND		0.0193	1.38	07/06/2025 01:20	WG2553747
Bromodichloromethane	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
Bromoform	ND		0.0384	1.38	07/06/2025 01:20	WG2553747
Bromomethane	ND		0.0193	1.38	07/06/2025 01:20	WG2553747
n-Butylbenzene	ND		0.0193	1.38	07/06/2025 01:20	WG2553747
sec-Butylbenzene	ND		0.0193	1.38	07/06/2025 01:20	WG2553747
tert-Butylbenzene	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
Carbon tetrachloride	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
Chlorobenzene	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
Chlorodibromomethane	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
Chloroethane	ND	J4	0.00769	1.38	07/06/2025 01:20	WG2553747
Chloroform	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
Chloromethane	ND		0.0193	1.38	07/06/2025 01:20	WG2553747
2-Chlorotoluene	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
4-Chlorotoluene	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0384	1.38	07/06/2025 01:20	WG2553747
1,2-Dibromoethane	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
Dibromomethane	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
1,2-Dichlorobenzene	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
1,3-Dichlorobenzene	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
1,4-Dichlorobenzene	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
Dichlorodifluoromethane	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
1,1-Dichloroethane	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
1,2-Dichloroethane	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
1,1-Dichloroethene	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
cis-1,2-Dichloroethene	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
trans-1,2-Dichloroethene	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
1,2-Dichloropropane	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
1,1-Dichloropropene	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
1,3-Dichloropropane	ND		0.00769	1.38	07/06/2025 01:20	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
trans-1,3-Dichloropropene	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
2,2-Dichloropropane	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
Di-isopropyl ether	ND		0.00154	1.38	07/06/2025 01:20	WG2553747
Ethylbenzene	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
Hexachloro-1,3-butadiene	ND		0.0384	1.38	07/06/2025 01:20	WG2553747
Isopropylbenzene	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
p-Isopropyltoluene	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
2-Butanone (MEK)	ND		0.154	1.38	07/06/2025 01:20	WG2553747
Methylene Chloride	ND		0.0384	1.38	07/06/2025 01:20	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0384	1.38	07/06/2025 01:20	WG2553747
Methyl tert-butyl ether	ND		0.00154	1.38	07/06/2025 01:20	WG2553747
Naphthalene	ND		0.0193	1.38	07/06/2025 01:20	WG2553747
n-Propylbenzene	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
Styrene	ND		0.0193	1.38	07/06/2025 01:20	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
Tetrachloroethene	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
Toluene	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
1,2,3-Trichlorobenzene	ND		0.0193	1.38	07/06/2025 01:20	WG2553747
1,2,4-Trichlorobenzene	ND		0.0193	1.38	07/06/2025 01:20	WG2553747
1,1,1-Trichloroethane	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
1,1,2-Trichloroethane	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
Trichloroethene	ND		0.00154	1.38	07/06/2025 01:20	WG2553747
Trichlorofluoromethane	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
1,2,3-Trichloropropane	ND		0.0193	1.38	07/06/2025 01:20	WG2553747
1,2,4-Trimethylbenzene	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
1,2,3-Trimethylbenzene	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
1,3,5-Trimethylbenzene	ND		0.00769	1.38	07/06/2025 01:20	WG2553747
Vinyl chloride	ND		0.00384	1.38	07/06/2025 01:20	WG2553747
Xylenes, Total	ND		0.00999	1.38	07/06/2025 01:20	WG2553747
(S) Toluene-d8	*95.9*		*75.0-131*		*07/06/2025 01:20*	WG2553747
(S) 4-Bromofluorobenzene	*96.4*		*67.0-138*		*07/06/2025 01:20*	WG2553747
(S) 1,2-Dichloroethane-d4	*96.3*		*70.0-130*		*07/06/2025 01:20*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.3		1	07/09/2025 09:43	WG2555253

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0407	1	07/09/2025 18:37	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	ND		2.04	1	07/10/2025 14:11	WG2556253
Barium	34.0		0.509	1	07/10/2025 14:11	WG2556253
Cadmium	ND		0.509	1	07/10/2025 14:11	WG2556253
Chromium	5.97		1.02	1	07/10/2025 14:11	WG2556253
Lead	5.05		0.509	1	07/10/2025 14:11	WG2556253
Selenium	ND		2.04	1	07/10/2025 14:11	WG2556253
Silver	ND		1.02	1	07/10/2025 14:11	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0604	1.17	07/06/2025 01:40	WG2553747
Acrylonitrile	ND		0.0151	1.17	07/06/2025 01:40	WG2553747
Benzene	ND		0.00121	1.17	07/06/2025 01:40	WG2553747
Bromobenzene	ND		0.0151	1.17	07/06/2025 01:40	WG2553747
Bromodichloromethane	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
Bromoform	ND		0.0303	1.17	07/06/2025 01:40	WG2553747
Bromomethane	ND		0.0151	1.17	07/06/2025 01:40	WG2553747
n-Butylbenzene	ND		0.0151	1.17	07/06/2025 01:40	WG2553747
sec-Butylbenzene	ND		0.0151	1.17	07/06/2025 01:40	WG2553747
tert-Butylbenzene	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
Carbon tetrachloride	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
Chlorobenzene	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
Chlorodibromomethane	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
Chloroethane	ND	J4	0.00604	1.17	07/06/2025 01:40	WG2553747
Chloroform	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
Chloromethane	ND		0.0151	1.17	07/06/2025 01:40	WG2553747
2-Chlorotoluene	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
4-Chlorotoluene	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0303	1.17	07/06/2025 01:40	WG2553747
1,2-Dibromoethane	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
Dibromomethane	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
1,2-Dichlorobenzene	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
1,3-Dichlorobenzene	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
1,4-Dichlorobenzene	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
Dichlorodifluoromethane	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
1,1-Dichloroethane	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
1,2-Dichloroethane	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
1,1-Dichloroethene	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
cis-1,2-Dichloroethene	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
trans-1,2-Dichloroethene	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
1,2-Dichloropropane	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
1,1-Dichloropropene	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
1,3-Dichloropropane	ND		0.00604	1.17	07/06/2025 01:40	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
trans-1,3-Dichloropropene	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
2,2-Dichloropropane	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
Di-isopropyl ether	ND		0.00121	1.17	07/06/2025 01:40	WG2553747
Ethylbenzene	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
Hexachloro-1,3-butadiene	ND		0.0303	1.17	07/06/2025 01:40	WG2553747
Isopropylbenzene	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
p-Isopropyltoluene	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
2-Butanone (MEK)	ND	J3	0.121	1.17	07/06/2025 01:40	WG2553747
Methylene Chloride	ND		0.0303	1.17	07/06/2025 01:40	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0303	1.17	07/06/2025 01:40	WG2553747
Methyl tert-butyl ether	ND		0.00121	1.17	07/06/2025 01:40	WG2553747
Naphthalene	ND		0.0151	1.17	07/06/2025 01:40	WG2553747
n-Propylbenzene	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
Styrene	ND		0.0151	1.17	07/06/2025 01:40	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
Tetrachloroethene	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
Toluene	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
1,2,3-Trichlorobenzene	ND		0.0151	1.17	07/06/2025 01:40	WG2553747
1,2,4-Trichlorobenzene	ND		0.0151	1.17	07/06/2025 01:40	WG2553747
1,1,1-Trichloroethane	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
1,1,2-Trichloroethane	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
Trichloroethene	ND		0.00121	1.17	07/06/2025 01:40	WG2553747
Trichlorofluoromethane	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
1,2,3-Trichloropropane	ND		0.0151	1.17	07/06/2025 01:40	WG2553747
1,2,4-Trimethylbenzene	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
1,2,3-Trimethylbenzene	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
1,3,5-Trimethylbenzene	ND		0.00604	1.17	07/06/2025 01:40	WG2553747
Vinyl chloride	ND		0.00303	1.17	07/06/2025 01:40	WG2553747
Xylenes, Total	ND		0.00785	1.17	07/06/2025 01:40	WG2553747
(S) Toluene-d8	*97.2*		*75.0-131*		*07/06/2025 01:40*	WG2553747
(S) 4-Bromofluorobenzene	*96.1*		*67.0-138*		*07/06/2025 01:40*	WG2553747
(S) 1,2-Dichloroethane-d4	*97.1*		*70.0-130*		*07/06/2025 01:40*	WG2553747

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.2		1	07/09/2025 09:43	WG2555253

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0407	1	07/09/2025 18:40	WG2555278

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	ND		2.04	1	07/10/2025 14:13	WG2556253
Barium	48.6		0.509	1	07/10/2025 14:13	WG2556253
Cadmium	ND		0.509	1	07/10/2025 14:13	WG2556253
Chromium	5.99		1.02	1	07/10/2025 14:13	WG2556253
Lead	5.66		0.509	1	07/10/2025 14:13	WG2556253
Selenium	ND		2.04	1	07/10/2025 14:13	WG2556253
Silver	ND		1.02	1	07/10/2025 14:13	WG2556253

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	0.0802	C5	0.0610	1.18	07/06/2025 01:59	WG2553747
Acrylonitrile	ND		0.0152	1.18	07/06/2025 01:59	WG2553747
Benzene	ND		0.00122	1.18	07/06/2025 01:59	WG2553747
Bromobenzene	ND		0.0152	1.18	07/06/2025 01:59	WG2553747
Bromodichloromethane	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
Bromoform	ND		0.0305	1.18	07/06/2025 01:59	WG2553747
Bromomethane	ND		0.0152	1.18	07/06/2025 01:59	WG2553747
n-Butylbenzene	ND		0.0152	1.18	07/06/2025 01:59	WG2553747
sec-Butylbenzene	ND		0.0152	1.18	07/06/2025 01:59	WG2553747
tert-Butylbenzene	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
Carbon tetrachloride	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
Chlorobenzene	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
Chlorodibromomethane	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
Chloroethane	ND	J4	0.00610	1.18	07/06/2025 01:59	WG2553747
Chloroform	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
Chloromethane	ND		0.0152	1.18	07/06/2025 01:59	WG2553747
2-Chlorotoluene	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
4-Chlorotoluene	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
1,2-Dibromo-3-Chloropropane	ND	C3	0.0305	1.18	07/06/2025 01:59	WG2553747
1,2-Dibromoethane	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
Dibromomethane	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
1,2-Dichlorobenzene	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
1,3-Dichlorobenzene	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
1,4-Dichlorobenzene	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
Dichlorodifluoromethane	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
1,1-Dichloroethane	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
1,2-Dichloroethane	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
1,1-Dichloroethene	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
cis-1,2-Dichloroethene	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
trans-1,2-Dichloroethene	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
1,2-Dichloropropane	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
1,1-Dichloropropene	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
1,3-Dichloropropane	ND		0.00610	1.18	07/06/2025 01:59	WG2553747

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
trans-1,3-Dichloropropene	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
2,2-Dichloropropane	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
Di-isopropyl ether	ND		0.00122	1.18	07/06/2025 01:59	WG2553747
Ethylbenzene	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
Hexachloro-1,3-butadiene	ND		0.0305	1.18	07/06/2025 01:59	WG2553747
Isopropylbenzene	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
p-Isopropyltoluene	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
2-Butanone (MEK)	ND		0.122	1.18	07/06/2025 01:59	WG2553747
Methylene Chloride	ND		0.0305	1.18	07/06/2025 01:59	WG2553747
4-Methyl-2-pentanone (MIBK)	ND		0.0305	1.18	07/06/2025 01:59	WG2553747
Methyl tert-butyl ether	ND		0.00122	1.18	07/06/2025 01:59	WG2553747
Naphthalene	ND		0.0152	1.18	07/06/2025 01:59	WG2553747
n-Propylbenzene	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
Styrene	ND		0.0152	1.18	07/06/2025 01:59	WG2553747
1,1,1,2-Tetrachloroethane	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
1,1,2,2-Tetrachloroethane	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
1,1,2-Trichlorotrifluoroethane	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
Tetrachloroethene	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
Toluene	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
1,2,3-Trichlorobenzene	ND		0.0152	1.18	07/06/2025 01:59	WG2553747
1,2,4-Trichlorobenzene	ND		0.0152	1.18	07/06/2025 01:59	WG2553747
1,1,1-Trichloroethane	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
1,1,2-Trichloroethane	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
Trichloroethene	ND		0.00122	1.18	07/06/2025 01:59	WG2553747
Trichlorofluoromethane	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
1,2,3-Trichloropropane	ND		0.0152	1.18	07/06/2025 01:59	WG2553747
1,2,4-Trimethylbenzene	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
1,2,3-Trimethylbenzene	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
1,3,5-Trimethylbenzene	ND		0.00610	1.18	07/06/2025 01:59	WG2553747
Vinyl chloride	ND		0.00305	1.18	07/06/2025 01:59	WG2553747
Xylenes, Total	ND		0.00793	1.18	07/06/2025 01:59	WG2553747
(S) Toluene-d8	*96.3*		*75.0-131*		*07/06/2025 01:59*	WG2553747
(S) 4-Bromofluorobenzene	*96.4*		*67.0-138*		*07/06/2025 01:59*	WG2553747
(S) 1,2-Dichloroethane-d4	*97.8*		*70.0-130*		*07/06/2025 01:59*	WG2553747

Method Blank (MB)

(MB) R4242678-1 07/09/25 07:55

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00300			

L1875426-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1875426-09 07/09/25 07:55 • (DUP) R4242678-3 07/09/25 07:55

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.2	92.7	1	0.531		10

Laboratory Control Sample (LCS)

(LCS) R4242678-2 07/09/25 07:55

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4242694-1 07/09/25 09:43

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1875426-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1875426-12 07/09/25 09:43 • (DUP) R4242694-3 07/09/25 09:43

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	96.1	97.0	1	0.923		10

Laboratory Control Sample (LCS)

(LCS) R4242694-2 07/09/25 09:43

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4242813-1 07/09/25 17:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0206	0.0400

Laboratory Control Sample (LCS)

(LCS) R4242813-2 07/09/25 17:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.548	110	80.0-120	

L1875426-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1875426-01 07/09/25 17:22 • (MS) R4242813-4 07/09/25 17:33 • (MSD) R4242813-5 07/09/25 17:36

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.515	ND	0.481	0.494	93.3	95.9	1	75.0-125			2.77	20

Method Blank (MB)

(MB) R4243269-1 07/10/25 12:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.837	2.00
Barium	U		0.0850	0.500
Cadmium	U		0.0653	0.500
Chromium	U		0.214	1.00
Lead	U		0.326	0.500
Selenium	U		1.07	2.00
Silver	U		0.127	1.00

Laboratory Control Sample (LCS)

(LCS) R4243269-2 07/10/25 13:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	97.2	97.2	80.0-120	
Barium	100	104	104	80.0-120	
Cadmium	100	96.9	96.9	80.0-120	
Chromium	100	107	107	80.0-120	
Lead	100	96.9	96.9	80.0-120	
Selenium	100	95.0	95.0	80.0-120	
Silver	20.0	18.2	90.9	80.0-120	

L1875426-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1875426-01 07/10/25 13:04 • (MS) R4243269-5 07/10/25 13:11 • (MSD) R4243269-6 07/10/25 13:14

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	103	2.95	99.0	96.7	93.2	90.9	1	75.0-125			2.37	20
Barium	103	113	172	210	56.4	93.8	1	75.0-125	J6	J3	20.2	20
Cadmium	103	ND	96.5	94.1	93.5	91.2	1	75.0-125			2.55	20
Chromium	103	9.41	111	109	99.0	97.0	1	75.0-125			1.89	20
Lead	103	6.45	104	101	94.7	92.0	1	75.0-125			2.68	20
Selenium	103	ND	94.7	92.0	91.9	89.3	1	75.0-125			2.95	20
Silver	20.6	ND	17.9	17.8	86.9	86.1	1	75.0-125			0.900	20

Method Blank (MB)

(MB) R4242638-2 07/05/25 19:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4242638-2 07/05/25 19:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*95.3*			*75.0-131*
(S) 4-Bromofluorobenzene	*92.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4242638-1 07/05/25 17:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.860	138	10.0-160	
Acrylonitrile	0.625	0.692	111	45.0-153	
Benzene	0.125	0.126	101	70.0-123	
Bromobenzene	0.125	0.121	96.8	73.0-121	
Bromodichloromethane	0.125	0.135	108	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R4242638-1 07/05/25 17:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	0.125	0.0999	79.9	64.0-132	
Bromomethane	0.125	0.176	141	56.0-147	
n-Butylbenzene	0.125	0.133	106	68.0-135	
sec-Butylbenzene	0.125	0.131	105	74.0-130	
tert-Butylbenzene	0.125	0.124	99.2	75.0-127	
Carbon tetrachloride	0.125	0.138	110	66.0-128	
Chlorobenzene	0.125	0.117	93.6	76.0-128	
Chlorodibromomethane	0.125	0.114	91.2	74.0-127	
Chloroethane	0.125	0.177	142	61.0-134	J4
Chloroform	0.125	0.118	94.4	72.0-123	
Chloromethane	0.125	0.138	110	51.0-138	
2-Chlorotoluene	0.125	0.125	100	75.0-124	
4-Chlorotoluene	0.125	0.131	105	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.0933	74.6	59.0-130	
1,2-Dibromoethane	0.125	0.120	96.0	74.0-128	
Dibromomethane	0.125	0.129	103	75.0-122	
1,2-Dichlorobenzene	0.125	0.134	107	76.0-124	
1,3-Dichlorobenzene	0.125	0.124	99.2	76.0-125	
1,4-Dichlorobenzene	0.125	0.123	98.4	77.0-121	
Dichlorodifluoromethane	0.125	0.155	124	43.0-156	
1,1-Dichloroethane	0.125	0.138	110	70.0-127	
1,2-Dichloroethane	0.125	0.135	108	65.0-131	
1,1-Dichloroethene	0.125	0.137	110	65.0-131	
cis-1,2-Dichloroethene	0.125	0.126	101	73.0-125	
trans-1,2-Dichloroethene	0.125	0.117	93.6	71.0-125	
1,2-Dichloropropane	0.125	0.130	104	74.0-125	
1,1-Dichloropropene	0.125	0.136	109	73.0-125	
1,3-Dichloropropane	0.125	0.121	96.8	80.0-125	
cis-1,3-Dichloropropene	0.125	0.128	102	76.0-127	
trans-1,3-Dichloropropene	0.125	0.124	99.2	73.0-127	
2,2-Dichloropropane	0.125	0.133	106	59.0-135	
Di-isopropyl ether	0.125	0.135	108	60.0-136	
Ethylbenzene	0.125	0.118	94.4	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.126	101	57.0-150	
Isopropylbenzene	0.125	0.121	96.8	72.0-127	
p-Isopropyltoluene	0.125	0.127	102	72.0-133	
2-Butanone (MEK)	0.625	0.735	118	30.0-160	
Methylene Chloride	0.125	0.127	102	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.698	112	56.0-143	
Methyl tert-butyl ether	0.125	0.123	98.4	66.0-132	

Laboratory Control Sample (LCS)

(LCS) R4242638-1 07/05/25 17:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.101	80.8	59.0-130	
n-Propylbenzene	0.125	0.134	107	74.0-126	
Styrene	0.125	0.106	84.8	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.112	89.6	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.127	102	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.145	116	61.0-139	
Tetrachloroethene	0.125	0.112	89.6	70.0-136	
Toluene	0.125	0.121	96.8	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.103	82.4	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.112	89.6	62.0-137	
1,1,1-Trichloroethane	0.125	0.133	106	69.0-126	
1,1,2-Trichloroethane	0.125	0.118	94.4	78.0-123	
Trichloroethene	0.125	0.125	100	76.0-126	
Trichlorofluoromethane	0.125	0.164	131	61.0-142	
1,2,3-Trichloropropane	0.125	0.123	98.4	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.128	102	70.0-126	
1,2,3-Trimethylbenzene	0.125	0.131	105	74.0-124	
1,3,5-Trimethylbenzene	0.125	0.129	103	73.0-127	
Vinyl chloride	0.125	0.151	121	63.0-134	
Xylenes, Total	0.375	0.337	89.9	72.0-127	
(S) Toluene-d8			*94.8*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.2*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*105*	*70.0-130*	

L1875426-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1875426-18 07/06/25 01:40 • (MS) R4242638-3 07/06/25 02:19 • (MSD) R4242638-4 07/06/25 02:39

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.757	ND	0.577	0.564	76.3	74.5	1.17	10.0-160			2.35	40
Acrylonitrile	0.757	ND	0.839	0.814	111	108	1.17	10.0-160			3.00	40
Benzene	0.152	ND	0.178	0.171	117	113	1.17	10.0-149			3.55	37
Bromobenzene	0.152	ND	0.162	0.159	107	105	1.17	10.0-156			1.93	38
Bromodichloromethane	0.152	ND	0.175	0.171	115	113	1.17	10.0-143			1.79	37
Bromoform	0.152	ND	0.116	0.118	76.2	77.6	1.17	10.0-146			1.77	36
Bromomethane	0.152	ND	0.103	0.106	67.6	70.1	1.17	10.0-149			3.56	38
n-Butylbenzene	0.152	ND	0.190	0.181	125	119	1.17	10.0-160			5.01	40
sec-Butylbenzene	0.152	ND	0.196	0.186	129	122	1.17	10.0-159			5.41	39
tert-Butylbenzene	0.152	ND	0.174	0.171	114	113	1.17	10.0-156			1.20	39

L1875426-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1875426-18 07/06/25 01:40 • (MS) R4242638-3 07/06/25 02:19 • (MSD) R4242638-4 07/06/25 02:39

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	0.152	ND	0.196	0.190	129	125	1.17	10.0-145			3.21	37
Chlorobenzene	0.152	ND	0.158	0.159	104	105	1.17	10.0-152			0.651	39
Chlorodibromomethane	0.152	ND	0.141	0.137	93.2	90.5	1.17	10.0-146			2.96	37
Chloroethane	0.152	ND	0.0555	0.0625	36.5	41.2	1.17	10.0-146			11.9	40
Chloroform	0.152	ND	0.158	0.160	104	105	1.17	10.0-146			1.30	37
Chloromethane	0.152	ND	0.175	0.183	115	120	1.17	10.0-159			4.62	37
2-Chlorotoluene	0.152	ND	0.170	0.164	112	108	1.17	10.0-159			3.70	38
4-Chlorotoluene	0.152	ND	0.176	0.174	116	114	1.17	10.0-155			1.18	39
1,2-Dibromo-3-Chloropropane	0.152	ND	0.0958	0.105	63.1	69.4	1.17	10.0-151			9.45	39
1,2-Dibromoethane	0.152	ND	0.145	0.139	95.2	91.8	1.17	10.0-148			3.64	34
Dibromomethane	0.152	ND	0.165	0.160	109	105	1.17	10.0-147			3.17	35
1,2-Dichlorobenzene	0.152	ND	0.164	0.161	108	106	1.17	10.0-155			1.90	37
1,3-Dichlorobenzene	0.152	ND	0.162	0.161	107	106	1.17	10.0-153			0.639	38
1,4-Dichlorobenzene	0.152	ND	0.158	0.159	104	105	1.17	10.0-151			0.651	38
Dichlorodifluoromethane	0.152	ND	0.198	0.190	131	125	1.17	10.0-160			4.26	35
1,1-Dichloroethane	0.152	ND	0.188	0.185	124	122	1.17	10.0-147			1.66	37
1,2-Dichloroethane	0.152	ND	0.176	0.166	116	110	1.17	10.0-148			5.44	35
1,1-Dichloroethene	0.152	ND	0.206	0.202	135	133	1.17	10.0-155			1.52	37
cis-1,2-Dichloroethene	0.152	ND	0.171	0.172	113	114	1.17	10.0-149			0.601	37
trans-1,2-Dichloroethene	0.152	ND	0.174	0.170	114	112	1.17	10.0-150			1.80	37
1,2-Dichloropropane	0.152	ND	0.180	0.176	118	116	1.17	10.0-148			2.33	37
1,1-Dichloropropene	0.152	ND	0.195	0.177	129	116	1.17	10.0-153			10.0	35
1,3-Dichloropropane	0.152	ND	0.148	0.155	97.3	102	1.17	10.0-154			4.78	35
cis-1,3-Dichloropropene	0.152	ND	0.167	0.156	110	103	1.17	10.0-151			7.03	37
trans-1,3-Dichloropropene	0.152	ND	0.152	0.151	100	99.3	1.17	10.0-148			0.683	37
2,2-Dichloropropane	0.152	ND	0.180	0.171	118	113	1.17	10.0-138			4.71	36
Di-isopropyl ether	0.152	ND	0.190	0.186	125	122	1.17	10.0-147			2.20	36
Ethylbenzene	0.152	ND	0.158	0.158	104	104	1.17	10.0-160			0.000	38
Hexachloro-1,3-butadiene	0.152	ND	0.162	0.161	107	106	1.17	10.0-160			0.639	40
Isopropylbenzene	0.152	ND	0.166	0.171	110	113	1.17	10.0-155			3.06	38
p-Isopropyltoluene	0.152	ND	0.180	0.171	118	113	1.17	10.0-160			4.71	40
2-Butanone (MEK)	0.757	ND	0.653	1.04	86.2	138	1.17	10.0-160		J3	46.0	40
Methylene Chloride	0.152	ND	0.197	0.192	122	119	1.17	10.0-141			2.65	37
4-Methyl-2-pentanone (MIBK)	0.757	ND	0.767	0.741	101	97.8	1.17	10.0-160			3.56	35
Methyl tert-butyl ether	0.152	ND	0.166	0.157	110	103	1.17	11.0-147			5.75	35
Naphthalene	0.152	ND	0.0975	0.0988	64.2	65.1	1.17	10.0-160			1.37	36
n-Propylbenzene	0.152	ND	0.182	0.184	120	121	1.17	10.0-158			1.13	38
Styrene	0.152	ND	0.146	0.148	95.9	97.3	1.17	10.0-160			1.41	40
1,1,1,2-Tetrachloroethane	0.152	ND	0.144	0.144	94.6	94.6	1.17	10.0-149			0.000	39

L1875426-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1875426-18 07/06/25 01:40 • (MS) R4242638-3 07/06/25 02:19 • (MSD) R4242638-4 07/06/25 02:39

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,2,2-Tetrachloroethane	0.152	ND	0.141	0.136	93.2	89.8	1.17	10.0-160			3.72	35
1,1,2-Trichlorotrifluoroethane	0.152	ND	0.212	0.200	139	132	1.17	10.0-160			5.51	36
Tetrachloroethene	0.152	ND	0.160	0.162	105	107	1.17	10.0-156			1.28	39
Toluene	0.152	ND	0.167	0.169	109	110	1.17	10.0-156			1.23	38
1,2,3-Trichlorobenzene	0.152	ND	0.101	0.111	66.8	72.8	1.17	10.0-160			8.58	40
1,2,4-Trichlorobenzene	0.152	ND	0.127	0.126	83.7	83.0	1.17	10.0-160			0.816	40
1,1,1-Trichloroethane	0.152	ND	0.195	0.184	129	121	1.17	10.0-144			5.99	35
1,1,2-Trichloroethane	0.152	ND	0.148	0.147	97.3	96.6	1.17	10.0-160			0.702	35
Trichloroethene	0.152	ND	0.190	0.192	125	127	1.17	10.0-156			1.08	38
Trichlorofluoromethane	0.152	ND	0.0650	0.0721	42.8	47.5	1.17	10.0-160			10.4	40
1,2,3-Trichloropropane	0.152	ND	0.140	0.139	92.5	91.8	1.17	10.0-156			0.738	35
1,2,4-Trimethylbenzene	0.152	ND	0.171	0.171	113	113	1.17	10.0-160			0.000	36
1,2,3-Trimethylbenzene	0.152	ND	0.177	0.170	116	112	1.17	10.0-160			3.57	36
1,3,5-Trimethylbenzene	0.152	ND	0.174	0.172	114	114	1.17	10.0-160			0.597	38
Vinyl chloride	0.152	ND	0.177	0.175	116	115	1.17	10.0-160			1.18	37
Xylenes, Total	0.454	ND	0.459	0.474	101	104	1.17	10.0-160			3.32	38
(S) Toluene-d8					*92.1*	*95.1*		*75.0-131*				
(S) 4-Bromofluorobenzene					*93.4*	*97.0*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*101*	*102*		*70.0-130*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Sendero Environmental, LLC
8609 Alta Loma Ln NE
Albuquerque, NM 87113

Billing Information:
Dan Apodaca
8609 Alta Loma Ln NE
Albuquerque, NM 87113

Pres Chk

Email To: dan@senderonm.com;sherry@senderonm.com

Report to: Dan Apodaca

Project Description: 1321 Flightway Ave SE, Albuquerque, New Mexico

City/State Collected: Albuquerque NM

Please Circle: PT (MT) CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project # 25-132

Lab Project # SENENVANM-25132

Site/Facility ID #

P.O. #

Collected by (print): Dan Apodaca

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Immediately Packed on Ice N ___ Y X

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 1875426
D224

Acctnum: SENENVANM
Template: T275824
Prelogin: P1160605
PM: 3564 - Chad A Upchurch
PB:
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	RCRA 8 METALS 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
B-1 14-16	grab	SS	14-16	6/30/25	07:36	2	X	X		-01
B-1 26-28	grab	SS	26-28	6/30/25	08:20	2	X	X		-02
B-2 0-2	grab	SS	0-2	6/30/25	11:00	2	X	X		-03
B-2 6-8	grab	SS	6-8	6/30/25	11:20	2	X	X		-04
B-3 25	grab	SS	25	7/1/25	09:35	2	X	X		-05
B-3 10	grab	SS	10	7/1/25	09:10	2	X	X		-06
B-4 4-6	grab	SS	4-6	6/30/25	13:39	2	X	X		-07
B-4 10-12	grab	SS	10-12	6/30/25	13:40	2	X	X		-08
B-5 10	grab	SS	10	7/1/25	10:25	2	X	X		-09
B-5 20	grab	SS	20	7/1/25	10:36	2	X	X		-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via: UPS __ FedEx __ Courier ______

Tracking # 7315 3200 1520

Sample Receipt Checklist
COC Seal Present/Intact: X NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date: 7/1/25	Time: 18:15	Received by: (Signature)	Trip Blank Received: (Yes) / No 2 HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C RA 9 5.5 + 0.4 = 5.9 Bottles Received: 40
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/2/25 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: (NCF) / OK

Company Name/Address:
Sendero Environmental, LLC

8609 Alta Loma Ln NE
Albuquerque, NM 87113

Billing Information:
Dan Apodaca
8609 Alta Loma Ln NE
Albuquerque, NM 87113

Pres Chk

Report to:
Dan Apodaca

Email To:
dan@senderonm.com;sherry@senderonm.com

Project Description:
1321 Flightway Ave SE, Albuquerque, New Mexico

City/State Collected: Albuquerque NM

Please Circle: PT (MT) CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
25-132

Lab Project #
SENENVANM-25132

Collected by (print):
Dan Apodaca

Site/Facility ID #

P.O. #

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	RCRA 8 METALS 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
B-6 10	grab	SS	10	7/1/25	11:42	2	X	X		-11
B-6 20	grab	SS	20	7/1/25	11:51	2	X	X		-12
B-7 10	grab	SS	10	7/1/25	13:42	2	X	X		-13
B-7 25	grab	SS	25	7/1/25	13:59	2	X	X		-14
B-8 10	grab	SS	10	7/1/25	14:49	2	X	X		-15
B-8 25	grab	SS	25	7/1/25	15:16	2	X	X		-16
B-8 25 QC	grab	SS	25	7/1/25	15:16	2	X	X		-15
B-9 10	grab	SS	10	7/1/25	16:00	2	X	X		-16
B-9 20	grab	SS	20	7/1/25	16:15	2	X	X		-19

Chain of Custody Page ___ of ___

Pace
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MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 187426

Table #

Acctnum: **SENENVANM**
Template: **T275824**
Prelogin: **P1160605**
PM: **3564 - Chad A Upchurch**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via: ___ UPS ___ FedEx ___ Courier ___

Tracking # 781532001520

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No (HCL / MeoH TBR)	If preservation required by Login: Date/Time
	7/1/25	18:15		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
				TLA 95.5 to 425.9 8	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: / Condition: NCF / OK
				7/2/25 0900	

APPENDIX D

GPR RESULTS

JOB SUMMARY REPORT

Order Number:	Work Order #796983	**Job Date:**	Jun 20, 2025 1:01:00 PM
Customer:	83263 SENDERO ENVIRONMENTAL	**Billing Address:**	SENDERO ENVIRONMENTAL 8609 ALTA LOMA LN NE Albuquerque NM 87113 United States

JOB DETAILS

Jobsite Location	1321 Flightway Avenue, Albuquerque, New Mexico 87106
Work Order Number	Work Order #796983
Job Number	
PO Number	

GPRS Project Manager: Craig Swan

Thank you for using GPRS on your project. We appreciate the opportunity to work with you. If you have questions regarding the results of this scanning, please contact the lead GPRS project manager on this project.

EQUIPMENT USED

The following equipment was used on this project:

- **Underground GPR Antenna:** This GPR Antenna uses frequencies ranging from 250 MHz to 450 MHz and is mounted in a stroller frame that rolls over the surface. Data is displayed on a screen and marked in the field in real time. The surface needs to be reasonably smooth and unobstructed to obtain readable scans. Obstructions such as curbs, landscaping, and vegetation will limit the efficacy of GPR. The total effective scan depth can be as much as 8’ or more with this antenna but can vary widely depending on the soil conditions and composition. Some soil types, such as clay, may limit maximum depths to 3’ or less. As depth increases, targets must be larger to be detected, and non-metallic targets can be challenging to locate. The depths provided should always be treated as estimates as their accuracy can be affected by multiple factors. For more information, please visit: Link
- **EM Pipe Locator:** Electromagnetic Pipe and Cable Locator. Detects electromagnetic fields. Used to actively trace conductive pipes and tracer wires, or passively detect power and radio signals traveling along conductive pipes and utilities. For more information, please visit: Link
- **GPS:** This handheld unit offers accuracy down to 4 inches; however, the accuracy achieved will depend on the satellite environment at the time of collection and is not considered survey-grade. Features can be collected as points, lines, or areas and then exported as a KML/KMZ or overlaid on a CAD drawing. For more information, please visit: Link

JOB SUMMARY REPORT

WORK PERFORMED

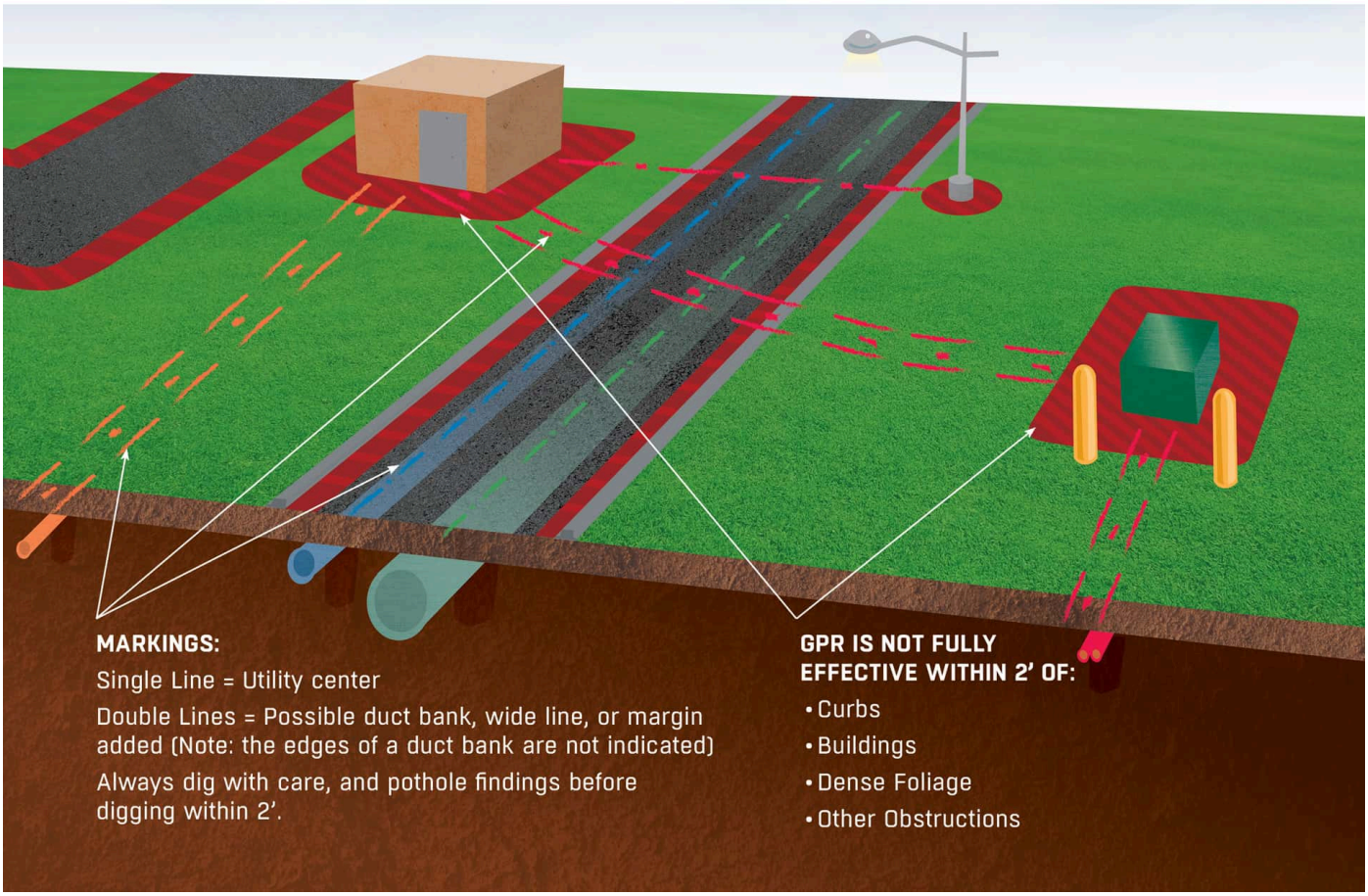
UNDERGROUND UTILITY	
Client Provided Drawings	No
Client completed 811 locate request	No
Scope of Work	GPRS to scan for utilities and obstructions for 9 soil borings in vacant lot.
Soil Borings (qty)	9
Approximate GPR Effective Depth (ft)	1.5
Utilities Located	- Communication - Natural Gas - Water - Storm Sewer
Utilities NOT Located	- Electric
Details on Non-locatable Utilities	No evidence of power to location.
Limitations Encountered	- Surface obstructions - Surface too rough - Overgrown vegetation - Soil conditions not suitable for GPR at time of scanning - RF interference
Marking Medium	- Spray Paint - Flags
Results Notes	GPRS met with location contact for preliminary walk. 9 soil borings on vacant locations identified. Used EM locator to direct connect to available utilities to trace. Used EM locator in both passive modes to trace and verify findings. Used EM locator in both passive modes to scan each soil borings location. Used GPR to scan each soil boring location. Max effective depth of GPR is approximately 1.5 ft. Recommend maintaining a distance of 2-3 ft in all directions from any line, duct, or obstruction, known and unknown. Recommend pot holing, hand auger, or hydro excavation to verify all locations and depths prior to any mechanical excavation, including drilling. Any depth provided is an approximation. Refer to Sitemap for locations.

JOB SUMMARY REPORT

SUPPLEMENTAL INFORMATION

COMMON UTILITY LOCATING LIMITATIONS

There are many limitations to locating utilities, due to a variety of factors, with several more common examples illustrated here.



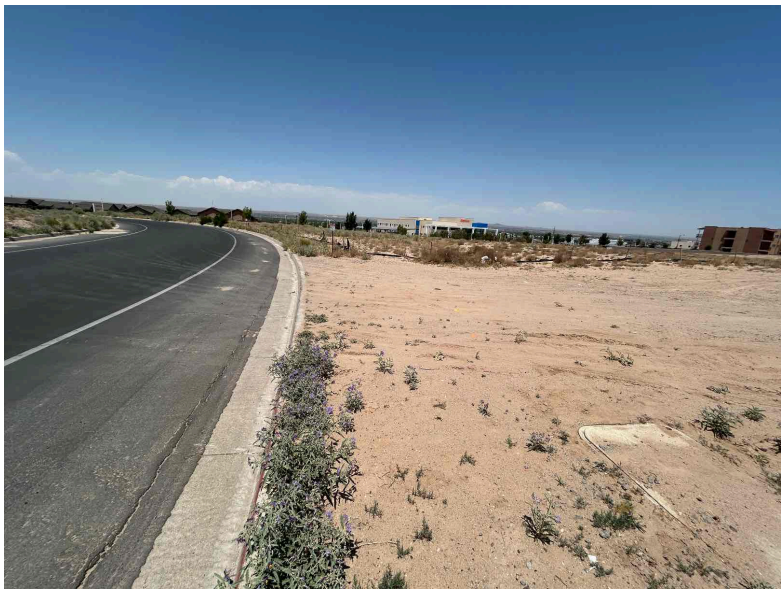
JOBSITE IMAGES

Jobsite Photo #1

Jobsite Photo #2

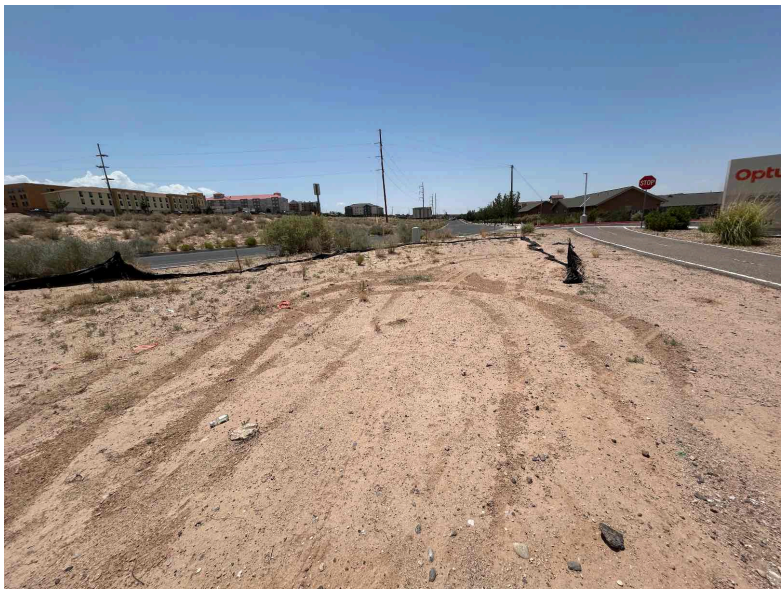
Jobsite Photo #3

Jobsite Photo #4



Jobsite Photo #5

Jobsite Photo #6



Jobsite Photo #7

Jobsite Photo #8

Jobsite Photo #9

Jobsite Photo #10

Jobsite Photo #11

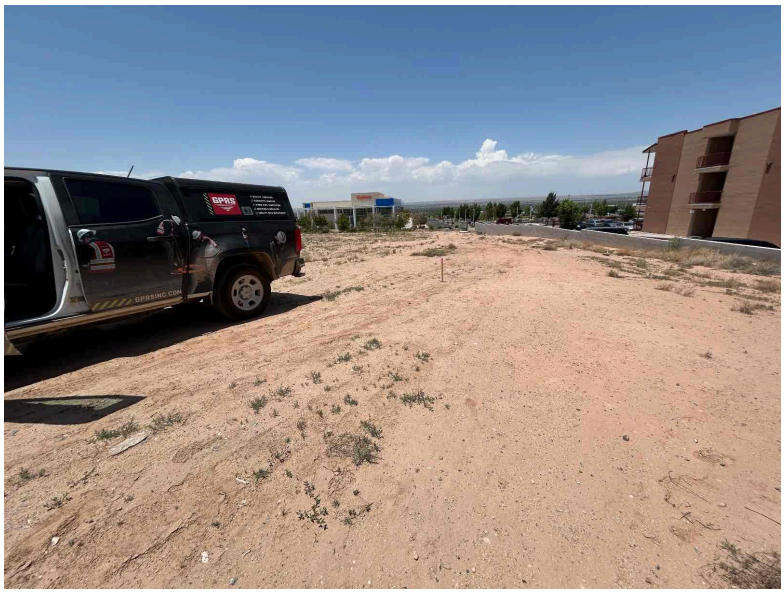
Jobsite Photo #12

Jobsite Photo #13

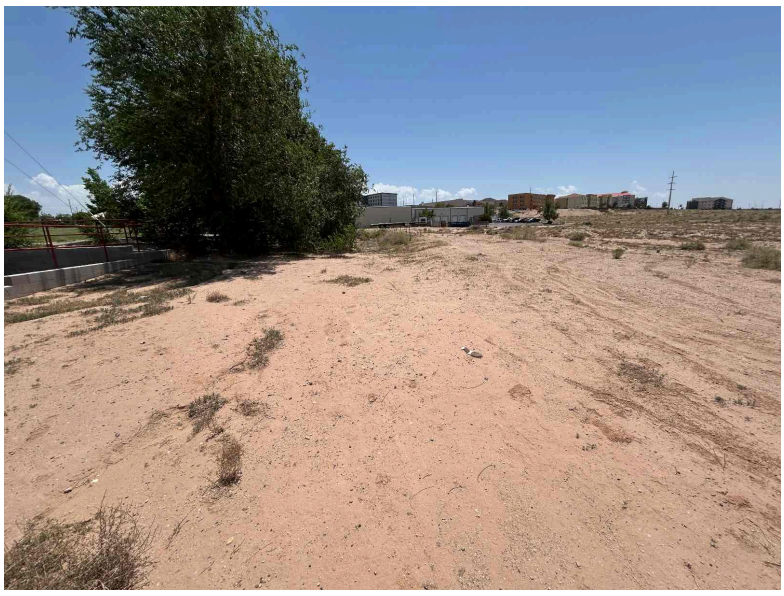
Jobsite Photo #14

Jobsite Photo #15

Jobsite Photo #16



Jobsite Photo #17



Jobsite Photo #18

Jobsite Photo #19

Jobsite Photo #20

Jobsite Photo #21

Jobsite Photo #22

JOB SUMMARY REPORT

CONTACT / SIGNATURE INFORMATION

Contact Information

Contact Name	DAN APODACA	**Email**	DAN@SENDERONM.COM

TERMS & CONDITIONS

http://www.gprsinc.com/termsandconditions.html

APPENDIX E

SOIL BORING LOGS

Sendero Environmental

Project Name:	**Limited Environmental Investigation**	**Date Drilled:**	**6/30/2025**
Project Address:	**1321 Flightway Avenue Southeast Albuquerque, NM 87106**	**Inner Dia., in.:**	**1.125**
Driller:	**Environmental Drilling and Drones**	**Outer Dia., in.:**	**2.25**
Project No.	**Sampling Method:**	**Dual Tube Soil Sampling System**	**Boring TD, ft.:**	**28**
25-134	**Location:**	**B-1**	**Logged By:**	**DMA**

Depth, ft bgs	**Description**
0 - 4	gravelly sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; gravel - >32-mm, subangular to subrounded, gray. silty clay: clay - light brown, medium plasticity, medium stiff; silt - tan silty clayey sand: sand - light brown, subangular to subrounded grains, coarse to fine grained, clay - light brown, medium plasticity, medium stiff; silt - tan gravelly sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; gravel - >32-mm, subangular to subrounded, gray
4 - 8	gravelly sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; gravel - >32-mm, subangular to subrounded, gray silty sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; silt - tan
8 - 12	silty sand: sand - sand - light brown, subangular to subrounded grains, coarse to fine grained; silt - tan
12 - 16	silt: tan
16 - 20	silt: tan silty clay: clay - brown, high plasticity, medium stiff; silt - tan silty sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; silt - tan
20 - 24	silt: tan, caliche stringers sandy silt: silt - tan; sand - light brown, subangular to subrounded grains, coarse to fine grained; caliche stringers silty sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; silt - tan
24 - 28	gravelly sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; gravel - >32-mm, subangular to subrounded, gray

Notes:
All samples were very low moisture content
No staining, trash, debris, or adverse odors were noted
16-ft of drill string broke off in borehole, monitoring point installed on top of drill string.

Sendero Environmental

Project Name:	**Limited Environmental Investigation**	**Date Drilled:**	**6/30/2025**
Project Address:	**1321 Flightway Avenue Southeast Albuquerque, NM 87106**	**Inner Dia., in.:**	**1.125 & 4.5**
Driller:	**Environmental Drilling and Drones**	**Outer Dia., in.:**	**2.25 & 8.5**
Project No.	**Sampling Method:**	**Dual Tube & Hollow Stem Auger**	**Boring TD, ft.:**	**20**
25-134	**Location:**	**B-2**	**Logged By:**	**DMA**

Depth, ft bgs	**Description**
0 - 4	gravelly sandy silt: silt - tan; sand - light brown, subangular to subrounded grains, coarse to fine grained; gravel - >32-mm, subangular to subrounded, gray.
4 - 8	silt - tan
8 - 18	gravelly sandy silt: silt - tan; sand - light brown, subangular to subrounded grains, coarse to fine grained; gravel - up to 56-mm, subangular to subrounded, gray.
18 - 20	sandy gravel: gravel - up to 56-mm, subangular to subrounded, gray; sand - light brown, subangular to subrounded grains, coarse to fine grained.

Notes:
All samples were very low moisture content
No staining, trash, debris, or adverse odors were noted
Refusal with Dual Tube at 8-ft bgs. Use HSA to 20-ft bgs. Met refusal at 20-ft bgs with HSA.

Sendero Environmental

	Project Name:	**Limited Environmental Investigation**	**Date Drilled:**	**6/30/2025**
	Project Address:	**1321 Flightway Avenue Southeast Albuquerque, NM 87106**	**Inner Dia., in.:**	**1.125 & 4.5**
	Driller:	**Environmental Drilling and Drones**	**Outer Dia., in.:**	**2.25 & 8.5**
Project No.	**Sampling Method:**	**Dual Tube & Hollow Stem Auger**	**Boring TD, ft.:**	**25**
25-134	**Location:**	**B-3**	**Logged By:**	**DMA**

Depth, ft bgs	**Description**
0 - 8	gravelly sandy silt: silt - tan; sand - light brown, subangular to subrounded grains, coarse to fine grained; gravel - >32-mm, subangular to subrounded, gray
8 - 10	silty sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; silt - tan
10 - 15	gravelly silty sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; silt - tan; gravel - up to 22-mm, subangular to subrounded, gray
15 - 20	silty sand: sand - light brown, subangular to subrounded grains, medium to fine grained; silt - tan
20 - 25	gravelly sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; gravel - up to 56-mm, subangular to subrounded, gray

Notes:
All samples were very low moisture content
No staining, trash, debris, or adverse odors were noted
Refusal with Dual Tube at 8-ft bgs. Use HSA to 25-ft bgs.

Sendero Environmental

Project Name:	**Limited Environmental Investigation**	**Date Drilled:**	**6/30/2025**
Project Address:	**1321 Flightway Avenue Southeast Albuquerque, NM 87106**	**Inner Dia., in.:**	**1.125**
Driller:	**Environmental Drilling and Drones**	**Outer Dia., in.:**	**2.25**
Project No.	**Sampling Method:**	**Dual Tube Soil Sampling System**	**Boring TD, ft.:**	**16**
25-134	**Location:**	**B-4**	**Logged By:**	**DMA**

Depth, ft bgs	**Description**
0 - 10	sandy silt: silt - tan; sand - light brown, subangular to subrounded grains, coarse to fine grained
10 - 12	silty sandy clay: clay - brown, high plasticity, medium stiff; sand - light brown, subangular to subrounded grains, medium to fine grained; silt - tan
12 - 16	sandy silt: silt - tan; sand - light brown, subangular to subrounded grains, medium to fine grained

Notes:
All samples were very low moisture content
No staining, trash, debris, or adverse odors were noted
Met refusal at 16-ft bgs.

Sendero Environmental

Project Name:	**Limited Environmental Investigation**	**Date Drilled:**	**7/1/2025**
Project Address:	**1321 Flightway Avenue Southeast Albuquerque, NM 87106**	**Inner Dia., in.:**	**4.5**
Driller:	**Environmental Drilling and Drones**	**Outer Dia., in.:**	**8.5**
Project No.	**Sampling Method:**	**Hollow Stem Auger**	**Boring TD, ft.:**	**25**
25-134	**Location:**	**B-5**	**Logged By:**	**DMA**

Depth, ft bgs	**Description**
0 - 5	sandy silt: silt - tan; sand - light brown, subangular to subrounded grains, coarse to fine grained
5 - 10	gravelly silty sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; silt - tan; gravel - up to 29-mm, subangular to subrounded, gray
10 - 20	gravelly sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; gravel - up to 62-mm, subangular to subrounded, gray.
20 - 25	sandy gravel: gravel - up to 58-mm, subangular to subrounded, gray; sand - light brown, subangular to subrounded grains, coarse to fine grained

Notes:
All samples were very low moisture content
No staining, trash, debris, or adverse odors were noted

Sendero Environmental

Project Name:	**Limited Environmental Investigation**	**Date Drilled:**	**7/1/2025**
Project Address:	**1321 Flightway Avenue Southeast Albuquerque, NM 87106**	**Inner Dia., in.:**	**4.5**
Driller:	**Environmental Drilling and Drones**	**Outer Dia., in.:**	**8.5**
Project No.	**Sampling Method:**	**Hollow Stem Auger**	**Boring TD, ft.:**	**20**
25-134	**Location:**	**B-6**	**Logged By:**	**DMA**

Depth, ft bgs	**Description**
0 - 5	silty sand: sand - light brown, sub angular to subrounded grains, medium to fine grained; silt - tan
5 - 10	silty sand: sand - light brown, sub angular to subrounded grains, medium to fine grained; silt - tan
10 - 15	silty sand: sand - light brown, sub angular to subrounded grains, coarse to fine grained; silt - tan
15 - 20	gravelly silty sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; silt - tan; gravel - up to 68-mm, angular to subrounded, gray

Notes:
All samples were very low moisture content
No staining, trash, debris, or adverse odors were noted

Sendero Environmental

Project Name:	**Limited Environmental Investigation**	**Date Drilled:**	**7/1/2025**
Project Address:	**1321 Flightway Avenue Southeast Albuquerque, NM 87106**	**Inner Dia., in.:**	**4.5**
Driller:	**Environmental Drilling and Drones**	**Outer Dia., in.:**	**8.5**
Project No.	**Sampling Method:**	**Hollow Stem Auger**	**Boring TD, ft.:**	**25**
25-134	**Location:**	**B-7**	**Logged By:**	**DMA**

Depth, ft bgs	**Description**
0 - 5	silty sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; silt - tan
5 - 10	gravelly silty sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; silt - tan; gravel - up to 43-mm, sub angular to sub rounded, gray
10 - 20	silty sand: sand - light brown, subangular to subrounded grains, medium to fine grained; silt - tan
20 - 25	gravelly silty sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; silt - tan; gravel - up to 65-mm, sub angular to sub rounded, gray

Notes:
All samples were very low moisture content
No staining, trash, debris, or adverse odors were noted

Sendero Environmental

Project Name:	**Limited Environmental Investigation**	**Date Drilled:**	**7/1/2025**
Project Address:	**1321 Flightway Avenue Southeast Albuquerque, NM 87106**	**Inner Dia., in.:**	**4.5**
Driller:	**Environmental Drilling and Drones**	**Outer Dia., in.:**	**8.5**
Project No.	**Sampling Method:**	**Hollow Stem Auger**	**Boring TD, ft.:**	**25**
25-134	**Location:**	**B-8**	**Logged By:**	**DMA**

Depth, ft bgs	**Description**
0 - 5	gravelly silty sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; silt - tan; gravel - up to 46-mm, subangular to subrounded, gray
5 - 10	silty sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; silt - tan
10 - 15	gravelly sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; gravel - up to 62-mm, subangular to subrounded, gray
15 - 20	sand - light brown, subangular to subrounded grains, coarse to fine grained
20 - 25	gravelly silty sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; silt - tan; gravel - up to 65-mm, subangular to subrounded, gray

Notes:
All samples were very low moisture content
No staining, trash, debris, or adverse odors were noted

Sendero Environmental

	Project Name:	**Limited Environmental Investigation**	**Date Drilled:**	**7/1/2025**
	Project Address:	**1321 Flightway Avenue Southeast Albuquerque, NM 87106**	**Inner Dia., in.:**	**4.5**
	Driller:	**Environmental Drilling and Drones**	**Outer Dia., in.:**	**8.5**
Project No.	**Sampling Method:**	**Hollow Stem Auger**	**Boring TD, ft.:**	**21**
25-134	**Location:**	**B-9**	**Logged By:**	**DMA**

Depth, ft bgs	**Description**
0 - 5	silty sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; silt - tan
5 - 10	gravelly sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; gravel - up to 35-mm, sub angular to subrounded, gray.
10 - 15	gravelly sand: sand - light brown, subangular to subrounded grains, coarse to fine grained; gravel - up to 42-mm, subangular to subrounded, gray.
15 - 21	sandy gravel: gravel - up to 45-mm, subangular to subrounded, gray; sand - light brown, subangular to subrounded grains, coarse to fine grained

Notes:
All samples were very low moisture content
No staining, trash, debris, or adverse odors were noted

APPENDIX F

RESUMES OF ENVIRONMENTAL PROFESSIONALS

Daniel Apodaca
505-414-5602

Sendero Environmental, LLC
Dan@SenderoNM.com

EDUCATION

University of New Mexico — December 2012
Bachelor of Science: Environmental Science — GPA: 3.44

- Focus in: Hydrogeology, Earth Surface Processes, Geoscience, and Climatology

Central New Mexico Community College — August 2011
Emergency Medical Technician: Basic — GPA: 3.67

CERTIFICATIONS AND ADDITIONAL TRAINING

- HAZWOPER (40 hr), Annual Refresher (8 hr): current
- MSHA Part 46 (24 hr), Annual Refresher (8 hr): current
- AHERA Asbestos Inspector (24 hr), Annual Refresher (4 hr): current
- USDOT FAA Part 107 Remote Pilots License, Bi-annual Refresher: current
- Baroid Water Well Applications and Drilling Fluids (40 hr): 2016
- Johnson Screens Groundwater, Well Design, and Rehabilitation Class (24 hr): 2018

PROFESSIONAL EXPERIENCE

Hydrogeologist II
John Shomaker and Associates, Inc. — March 2013 - December 2020

- Groundwater and surface water sampling and monitoring
  - Performed monitoring and sampling on the Santa Fe River 2015-2020
  - Performed spill mitigation and contamination characterization near Carlsbad, NM 2016
  - Monitoring and sampling at Bear Canyon Arroyo 2019-2020
- Water well and groundwater monitoring well installation
  - Municipal and residential wells ranging in capacity of 5 gpm to 3000 gpm 2013-2020
- Environmental and PSTB site monitoring including quarterly monitoring, sampling, and data interpretation.
  - Worked on multiple PSTB sites including: George's Plaza, Paul's Place, Pecos 66, Canyon Lumber, Eva Padilla, Lebeck, Bosque Farms Circle K, and more throughout New Mexico 2014-2020
- Environmental project management, project oversight, and completion supervision
- Infiltration testing and data analysis
  - Infiltration testing in Santa Fe, Silver City, Albuquerque, and El Paso 2016-2020
- Soil analysis
- Landfill and superfund site monitoring well installation and groundwater monitoring

  - Worked for City of Las Cruces (landfill and Griggs and Walnut Plume), Town of Mountainair (town landfill), and City of Santa Fe (multiple plumes and groundwater monitoring).
- Phase I and Phase II ESAs
  - Site assessments and remediation planning and oversight 2015-2020
- Dig and haul remediation and monitoring for petroleum contaminated soil sites
  - Perform remediation oversight and monitoring at a transmix and reclamation processing plant 2018-2020
- Hydrogeologic field services
  - Field investigation and well drilling oversight 2014-2020
- Groundwater and geochemical modeling
  - Work with MODFLOW and Groundwater Vistas to develop contamination transport models 2013-2015
- Water resource database development
- Geophysical well log and lithology analysis
  - Review each well log from over 50 boreholes located throughout New Mexico, Texas, and Colorado 2013-2020
- BRACS Blaine Aquifer characterization
  - Aquifer characterization through geophysical well log analysis 2015-2016

Environmental Project Manager
Saguaro Environmental January 2021 - October 2021

- Project management and oversight on Phase II Environmental Site Assessments.
  - Remade program to comply with New Mexico regulations, raised the scientific scrutiny and reliability of results, brought program up to scientific standards.
- Perform Phase I Environmental Site Assessments on large apartment complexes, retail centers, office buildings, single-family residential and multi-family residential properties, industrial facilities, automobile repair facilities, and service stations.
- Project management and review of all New Mexico Phase I ESAs
  - Oversaw and helped author over 100 Phase I ESAs
- Waste disposal coordination and management.
  - Coordinate and oversight of disposal of contaminated soils
- Landfill gas monitoring and sampling
  - Management and oversight on projects related to the Menaul Landfill

Summit Drone Services
Owner 2018 - 2023

- Take video and pictures for real estate.
- Perform manual inspections for solar panels.
- Take pictures and video for project updates, and perform weekly progress aerials.
- Collect data for 3D analysis, volumetric analysis, 3D model generation.

Daniel Apodaca
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Sendero Environmental, LLC
Dan@SenderoNM.com

Sendero Environmental

Owner October 2021 - Present

- Phase I ESAs, Phase II ESA/LEIs, and Transaction Screens
- Environmental Sampling (mold, ACM, lead based paint, soil, soil vapor, landfill gas monitoring)
- Infrared inspections of solar panels using UAV
- Water well survey for PSTB sites

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Sherry Marin (Miller, Fritz)

EDUCATION

- **Bachelor of Science in Geological Engineering from Montana College of Mineral Science and Technology, Butte, MT, 1993**
  - Recipient of Chester H. Steele Award for Outstanding Student in Mining/Geology
  - Focused on methods of geophysical exploration
  - President of the geology club
  - Women's mining team: member and first place team winner in 1992; captain and second place team winner in 1993

PROFESSIONAL EXPERIENCE

- **Sendero Environmental, Owner, October 1, 2021 to present**
  - Perform Phase I ESAs from small residential to large commercial/industrial subject properties
  - Perform Phase II ESA/LEIs mainly of hydrocarbon impacted soils, groundwater, and air
  - Perform Transaction Screens
  - Perform environmental sampling (soil, water, and air)
  - Perform drinking water sampling as a certified Water Sample Tech 2
  - Perform landfill gas monitoring
- **Independent Consultant, Owner of Mountainair Marin, January 31, 2021 to January 30, 2022**
  - Performed drinking water quality sampling
  - Provided expert witness testimony
  - Performed a petroleum impacted soil cleanup
- **Project Hydrogeologist at John Shomaker & Associates, Inc., 2005 to January 30, 2021**
  - Project completion supervisor
  - On-site geologist
  - Performed various types of data collection (geophysical, physical, water quality, air quality)
  - Field activity documentation
  - Analyzed laboratory water quality results
  - Prepared reports
  - Evaluated water resources
  - Interpreted geophysical logs
  - Performed region-wide water surveys from subdivision to basin-wide scale
  - Sampled environmental and production water wells
  - Performed pumping tests from under 1 gpm to over 10,000 gpm
  - Oversaw well drilling on monitor, residential, mining, industrial, and municipal wells
  - Oversaw well completions on monitor, traditional, and artesian completions

(505) 400-5392 Sherry@SenderoNM.com PO Box 623, Mountainair, NM 87036-0623

PROFESSIONAL EXPERIENCE, CONTINUED

- **Project Hydrogeologist at John Shomaker & Associates, Inc., continued**
  - Oversaw well rehabilitations on monitor, residential, mining, and municipal wells
  - Performed dozens of sampling events at NMED/PSTB sites, taking hundreds of water samples
  - Oversaw dig and haul projects to define, categorize, and remove petroleum impacted soils from sites. Sites ranged from small gas stations to multi fueling bay truck stops. Field and laboratory methods for evaluation were utilized. Oversaw the backfilling with clean fill and compacting to engineered standards. Reviewed analyses. Wrote reports
  - Applied hydrogen peroxide to in-situ petroleum impacted soils to facilitate natural breakdown and attenuation
  - Operated a soil vapor extraction unit on a remediation site
  - Performed emergency response on a diesel spill, greater than 1,700 gallons
  - Met with tribal authorities, EPA, insurance company, NMED/PSTB, and the holding company

- **Environmental Scientist and Specialist, State of New Mexico Environment Department Radiation Control Bureau, 1999-2005**
  - Performed radioactive material and x-ray generating equipment inspections to NMAC standards
  - Performed education and outreach
  - Responded to incidents
  - Managed reciprocity and NORM programs
  - Helped with radon program during vacancy
  - Helped host the Organization of Agreement States meeting
  - Helped get the program organized as a bureau
  - Helped improve federal compliance to zero findings

- **Well Logging Engineer, Southwest Geophysical Services, Inc., 1994-1999**
  Performed open and cased hole surveys using a variety of physical methods (camera, acoustic, electrical, radioactive, natural gamma ray, induction, caliper) to determine fluid, formation, and well properties

- **Well Logging Supervisor, ATEC Associates, Inc., 1993-1994**
  Performed open borehole surveys using physical methods (natural gamma ray, caliper, density, and single point resistivity) in a drill and grout project in Rock Springs, WY designed to combat subsidence from historical mining activities

Sherry Marin (Miller, Fritz)

TESTIMONY AND EXPERT WITNESS EXPERIENCE

- Before Office of the New Mexico State Engineer hearing examiner: New Mexico Interstate Stream Commission, File Nos. RA-233-S et al. 2013, for applicant
- At Arbitration, May 2021: Provided expert witness testimony for defendant

SOCIETIES, TRAINING, AND OTHER ACTIVITIES

- MSHA trained since 1994
- OSHA HAZWOPR (Supervisor Level training) since 1994
- State of New Mexico Water Quality Control Commission certified Water Sample Tech Level 2, operator identification number 19914 since 2021
- AHERA Asbestos Inspector since 2021
- Civilian Volunteer with Torrance County Emergency Resource Partners, December 2023 to present
- Treasurer, Mountainair United Methodist Church, September 2023 to present
- Secretary, Torrance County Farm & Livestock Bureau, October 2023 to October 2024
- Technical Board Member, New Mexico Ground Water Association, January 2022 to present
- NM Delegate to Mountain States Ground Water Expo, February 2023 through present
- NMRWUA 47th Spring Conference, April 15-17, 2025, 18 CEUs
- Speaker at the January New Mexico Ground Water Association meeting, Borehole Geophysical Logging and How to Identify Cuttings and Fill Out the NMOSE Well Record
- Mountain States Ground Water Expo, 9 Course Hours, February 2024
- Speaker at the September 2024 New Mexico Ground Water Association meeting, Borehole Geophysical Logging
- Speaker at the August 2024 Torrance County Farm & Livestock Bureau meeting, An Update on Water Resources in the Estancia Basin
- NMOSE/ISC First Annual Groundwater Institute, August 23, 2024, 8 CEUs
- American Groundwater Trust's New Mexico Groundwater Conference July 10 through 11, 2024
- American Groundwater Trust's New Mexico Water Well Workshop July 12, 2024
- Speaker at the June 2024 Torrance County Farm & Livestock Bureau meeting, Using the NMOSE's Website to Lookup Well Information
- Interpreting Volatile Organic Compounds (VOC) Data in Air, March 13, 2024
- Pipeline Emergency Response and Damage Prevention, February 29, 2024
- What You Need to Know About ASTM’s NEW EP Certification Program, February 21, 2024
- Quantifying PFAS in Consumer and Related Products: The Latest Developments, webinar, February 14, 2024
- Adult First Aid/CPR/AED, February 13, 2024

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SOCIETIES, TRAINING, AND OTHER ACTIVITIES, CONTINUED

- Mountain States Ground Water Expo, 9 Course Hours, February 2024
- Speaker at the January 2024, September 2023, and January 2023 New Mexico Ground Water Association meetings, How to Identify Cuttings and Fill Out the NMOSE Well Record
- New Mexico Ground Water Association, 8 Course Hours, January 2024
- ASTM E1527-21 is IN…E1527-13 is OUT! What Environmental Professionals Need to Know About ASTM's New EP Certification Program, webinar, January 10, 2024
- The Lead and Copper Rule Revisions, 6 Training Credit Hours, January 2024
- New Mexico Ground Water Association, 8 Course Hours, September 2023
- PFAS Remediation in City Water Supplies, 3 education hours, August 2, 2023
- Avoiding, Identifying and Resolving Ethical Issues in Land and Water Transactions, 1 education hour, July 21, 2023
- Soil Investigation and Classification, webinar, July 13, 2023
- Compliance 101: Achieving and Maintaining Water System Compliance, 8 NM Operator Certification CEUs, June 29, 2023
- Speaker at the March 2023 Torrance County Farm & Livestock Bureau meeting, Water in the Estancia Basin
- The Dirty Side of Dry Cleaning: Liability & Transaction Considerations, webinar, March 28, 2023
- Mountain State Ground Water Expo, 9 Course Hours, February 2023
- New Mexico Ground Water Association, 8 Course Hours, January 2023
- Successful completion of Phase I and Phase II Environmental Site Assessment Processes, February 3, 2022
- Mountain State Ground Water Expo, 9 Course Hours, February 2022
- New Mexico Ground Water Association, 8 Course Hours, January 2022
- A Revised ASTM Standard for Phase I ESAs, webinar, November 1, 2021
- Member of National Ground Water Association, American Water Resources Association, and New Mexico Ground Water Association
- Lifetime member New Mexico Geological Society
- Current member of Los Alamos Geological Society, Albuquerque Geological Society, Albuquerque Gem & Mineral Club, and Rocky Mountain Association of Geologists
- A Revised ASTM Standard for Phase I ESAs seminar
- Pump Operation and Assessment, 2020
- Presentation of Colog Geophysical methods, 2017
- National Ground Water Association Summit attendee, 2009, 2014
- Environmental Sampling course training, 2013
- Baroid Water Well Applications and Drilling Fluids, 2016

SOCIETIES, TRAINING, AND OTHER ACTIVITIES, CONTINUED

- JSAI Short Course Training #3, 2016
- Submersible Pump Selection, 2011
- Regional Hydrogeology and Kartchner Caverns Field Trip, 2009
- Recharge Facility and Tucson Water's Projects Field Trip, 2009
- Introduction to Ground Water #133, 2007
- Baroid Basic Drilling Fluids Workshop, 2007
- SiLi Glass Beads presentation
- Job Hazard Analysis training
- Identification of Drill Cuttings
- Confined Space training

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Marty Howell, P.E.

PRESIDENT / PRINCIPAL ENGINEER

AREAS OF SPECIALTY

- Water Utility Management
- Water and Wastewater System Design
- Sustainability Planning
- Landfill Design and Operations
- Project Management

YEARS OF EXPERIENCE: 33

EDUCATION

B.S.- Civil/Environmental Engineering
California Polytechnic State University
San Luis Obispo, CA
1993

LICENSES AND REGISTRATIONS

Professional Engineer – Arizona (62411)
Professional Engineer – Colorado (32549)
Professional Engineer – Nebraska (E-21078)
Professional Engineer – New Mexico (22670)
Professional Engineer – North Dakota (28224)
Professional Engineer – Texas (119262)
Professional Engineer – NCEES National Record (59836)

BACKGROUND

Mr. Howell has over 30 years of experience managing investigation, design, construction and operation of remediation and utility systems and seventeen years of management experience with local governments and utilities. hE has extensive experience in both the public and private sector on projects that have ranged in size from very small improvements to the $1.2 billion remediation project at Rocky Mountain Arsenal. While Mr. Howell's recent focus is on water and wastewater infrastructure, he has experience in soil and groundwater remediation, landfill design and construction, sustainability planning and energy management.

EXPERIENCE

Senior Engineer – Souder Miller & Associates; 2014 - Present
Sustainability Program Manager, City of El Paso; 2008 – 2014
Director of Economic Development & Sustainability, City of El Paso; 2012 – 2013
Water Treatment Consultant, Nalco Energy Services; 2007 - 2008
Water Resources Operations Manager. City of Greeley; 2004 – 2007
City Engineer, City of Evans; 2000 – 2004
Project Engineer, Brown and Root Engineering; 1998 - 2000
Project Engineer, Remediation Technologies; 1993 - 1998

Landfill Design and Construction, Commerce City, CO

Rocky Mountain Arsenal, Project Engineer. Design and engineering oversight on seven different major projects at the CERCLA site including hazardous waste landfill construction, design and construction of a site-wide borrow area, construction of site haul roads, design and construction of stormwater management features for a contaminated ponding area (Basin A), design of an impermeable cap for the former production plant area (South Plants), and preliminary design of enhanced (triple-lined) landfill for highly contaminated material.

Groundwater Remediation, Guayama, PR

Philips Refinery, Project Engineer. Construction, operation, troubleshooting and re-design of an air sparging interceptor trench to prevent off-site migration off floating product/hydrocarbons from a CERCLA refinery site.

Groundwater Remediation, Billings MO

Cenex Refinery, Project Engineer. Investigation, alternatives analysis, pilot testing and preliminary design of a pumping system to capture floating product/hydrocarbons at a refinery RCRA site.

Soil and Groundwater Remediation, Lincoln, NE

Burlington Northern Railroad, Project Engineer. Investigation, alternatives analysis, pilot testing and preliminary design of an air sparging system/vacuum extraction system to enhance bioremediation of solvent-contaminated soils and groundwater.

Groundwater Remediation, Childress, TX

Burlington Northern Railroad, Project Engineer. Investigation, alternatives analysis, design, construction and operation of a bioslurping interceptor system to prevent off-site migration of solvent-contaminated groundwater.

Soil and Groundwater Remediation, Cyril, OK

Oklahoma Refining Company Superfund Site, Project Engineer. Design of a soil and groundwater remediation systems to address hydrocarbon contamination.

Soil and Groundwater Remediation, Augusta and Griffin, GA

Atlanta Gas Light Company Sites, Project Engineer. Investigation, alternatives analysis and design of a soil and groundwater remediation systems to address hydrocarbon contamination.

Wastewater Plant Expansion, Evans, CO

City of Evans, City Engineer. Managed design, bid, construction and start-up of 1.8 MGD lagoon-based wastewater treatment plants.

Utility Management, Evans, CO
City of Evans, City Engineer. Managed completion water utility rate study and wastewater master plan. Managed design, bid and construction for annual water and wastewater capital improvement program.

Hazardous Waste Landfill Construction, Rocky Mountain Arsenal, CO
US Army, Project Engineer. Managed design and construction of the leachate collection and treatment system for a 1.2 million cubic yard hazardous waste landfill. Prepared bid documents, coordinated bidding, managed construction oversight and quality assurance during construction.

Landfill Design, Rocky Mountain Arsenal, CO
US Army, Project Engineer. Designed liner for 800,000 cubic yard enhanced (triple-lined) landfill and soil cover and drainage for the South Plants chemical munitions disposal site. Prepared bid documents and coordinated contractor bidding.

Sustainability Planning, El Paso, TX
City of El Paso, Sustainability Program Manager. Led the planning, creation, adoption and implementation of the City's Sustainability Plan, recognized by the US Chamber of Commerce as one of the three best plans in the nation.

Energy Management, El Paso, TX
City of El Paso, Sustainability Program Manager. Managed the funding, design, selection and implementation of the City's $33 million energy efficiency retrofit program that included work in 77 buildings and replacement of over 7,000 LED street lights. Program utilized innovative financing, avoiding impact to City's operational funding.

Industrial Water Treatment, El Paso, TX
Nalco Energy Services, Western Refining, Water Treatment Consultant. Managed the operations and maintenance of refinery water and wastewater treatment systems to save water and energy.