ENSOLUM

December 31, 2025

New Mexico Oil Conservation Division
1220 South St. Francis Street
Santa Fe, New Mexico 87505

Re: Closure Request
Duosonic 29 Fed 4H RB
Incident Number nAPP2526948813
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of COG Operating, LLC (COG), has prepared this *Closure Request* to document the findings of a liner integrity inspection and remediation activities completed at the Duosonic 29 Fed 4H RB (Site) following a release of produced water within a lined containment. Based on field observations and laboratory analytical results, COG is submitting this *Closure Request*, describing the inspection results and requesting no further action for Incident Number nAPP2526948813.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 29, Township 25 South, Range 35 East in Lea County, New Mexico (32.09489444°, -103.38155278°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On September 26, 2025, failure of a transfer pump seal resulted in the release of 25 barrels (bbls) of produced water into a lined containment. A vacuum truck was dispatched to the Site to recover free-standing fluids, and all released fluids were recovered. The lined containment was power washed to remove any residual fluids, and the pump was repaired and returned to service. COG reported the release to the New Mexico Oil Conservation Division (NMOCD) via a Notification of Release (NOR) on September 26, 2025, and an Initial C-141 Application (C-141) on September 30, 2025. The release was assigned Incident Number nAPP2526948813.

On October 21, 2025, a *Closure Request* was submitted to the NMOCD documenting liner integrity inspection results. On November 3, 2025, the NMOCD denied the request for the following reasons:

- *Under the Site Characterization portion of the C-141 application, to the question: What is the minimum distance, between the closest lateral extents of the release and the following surface areas: Any lakebed, sinkhole, or playa lake" and "A wetland" was answered "Between ½ and 1 (mi.)." Referring to the National Wetlands Inventory Mapper, a freshwater emergent wetland (playa) is located 1.03 miles to the southeast of the tank battery. Upon application resubmission, update the distances to both of these to reflect the correct distance.*
- *On pg. 2 of liner inspection report it says: "A liner integrity inspection was conducted by Jacob Laird on October 20, 2025. Upon inspection, no rips, tears, holes, or damage was observed. The liner was determined to be sufficient, and all released fluids have been removed." Referring to photos on pgs. 10, 11, 12, 17 and 18, the liner is seen peeling away from the walls. Horizontal*

and vertical delineation is required for this compromised tank battery. OCD will require vertical delineation to be performed in each area of the containment where the liner is peeling away from the sides. Horizontal delineation will need to occur outside of the containment. Submit updated report to OCD by 1/2/2026.

The following describes the previous remediation activities conducted as well as the additional soil sampling activities completed following the denial from the NMOCD.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below and potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on a recent soil boring drilled for determination of regional groundwater depth. On August 14, 2024, a soil boring permitted by the New Mexico Office of the State Engineer (C-4861) was completed approximately 1.82 miles northeast of the Site utilizing air rotary drilling methods. Soil boring C-4861 was drilled to a total depth of 105 feet bgs. No moisture or groundwater was encountered during drilling activities and following a 72-hour stabilizing period. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. The Well Record and Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash located approximately 6,512 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

Based on the results of the Site Characterization, and the NMOCD's preference for groundwater data within half a mile of the Site and within 25 years, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

LINER INTEGRITY INSPECTION ACTIVITIES

A 48-hour advance notice of the liner inspection was submitted to the NMOCD on October 14, 2025. On October 20, 2025, the lined containment was inspected by COG personnel, and no holes were observed in the floor of the lined containment. On November 3, 2025, the NMOCD responded noting peeling on portions of the northeast, northwest, and southwest corners on the walls of the lined containment. Upon review of the denial, delineation activities were scheduled at the Site to assess for the presence or absence of impacts to soil. A Site map of the lined containment is included in Figure 2. Photographic documentation of the inspection is included in Appendix B.

DELINEATION SOIL SAMPLING ACTIVITIES

On December 4 and 5, 2025, Ensolum personnel were at the Site to oversee delineation activities. Five boreholes, BH01 through BH05, were advanced via hand auger to a terminal depth of 1-foot bgs inside the lined containment at the locations where liner peeling was observed along the walls. Seven delineation soil samples, BH06 through BH12, were collected around the lined containment from a depth of approximately 0.5 feet bgs to assess the lateral extent of the release. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. Field screening results and observations of the soil samples from boreholes BH01 through BH05 were logged on a lithologic/soil sampling log, which is included in Appendix C. All soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Eurofins laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.

Laboratory analytical results from the delineation soil samples BH01 through BH05, collected from within the lined containment, adjacent to the peeling liner walls, indicated all COC concentrations were in compliance with the Site Closure Criteria at both 0.5 feet bgs and 1-foot bgs. Laboratory analytical results from delineation soil samples BH06 and BH08 through BH12 indicated all COCs were in compliance with Site Closure Criteria, confirming the lateral extent of the release and that the release remained contained within the lined containment walls. Laboratory analytical results for BH07, collected at 0.5 feet bgs, indicated chloride concentrations exceeded the Site Closure Criteria, warranting additional remedial activities.

SURFACE SCRAPE AND COMPOSITE SOIL SAMPLING ACTIVITIES

On December 22, 2025, Ensolum personnel returned to the Site to oversee surface scraping activities identified by laboratory analytical results. An area of approximately 150 square feet was surface scraped with hand tools and heavy equipment to approximately 0.5 feet bgs west of the northwest corner of the lined containment, in the vicinity of delineation soil sample BH07. Following surface scraping activities, one five 5-point composite confirmation soil sample, BH13, was collected within the scraped area at a depth of 0.5 feet bgs. The soil sample was screened for VOCs and chloride as previously described. The confirmation soil sample was handled in the same manner as described above and transported to Eurofins for analysis of the same COCs as previously mentioned. The surface scrape extent and soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 3. Photographic documentation is included in Appendix B.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for confirmation soil sample BH13 indicated all COCs were in compliance with Site Closure Criteria. Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical reports and chain-of-custody documentation are included in Appendix D.

CLOSURE REQUEST

Liner integrity inspection, delineation, and surface scraping activities were conducted at the Site to address the September 2025 produced water release. Laboratory analytical results for all delineation soil samples, with the exception of BH07, collected in the areas where the liner was peeling indicated that all COC concentrations were compliant with the Site Closure Criteria. Impacted soil was removed via hand tools and heavy equipment in the vicinity of BH07 and a five-point composite soil sample was subsequently collected. Laboratory results for composite soil sample BH13 indicated all COC concentrations were in compliance with the Site Closure Criteria. Based on the soil sample analytical results, no additional impacted soil was identified, and no further remediation was required. COG has restored the lined containment walls in the areas where peeling was observed, and all delineation boreholes were patched on the floor of the lined containment following completion of delineation activities.

Impacted soil identified during delineation activities were removed. Delineation of potential impacts at this Site determined no soil exceeded Site Closure Criteria below the lined containment. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the Site. COG believes these remedial actions are protective of human health, the environment, and groundwater. As such, COG respectfully requests closure for Incident Number nAPP2526948813.

If you have any questions or comments, please contact Ms. Kalei Jennings at (817) 683-2503 or kjennings@ensolum.com.

Sincerely,
Ensolum, LLC

Tabitha Guadian
Staff Geologist

Kalei Jennings
Senior Managing Scientist

cc: Jacob Laird, COG Operating LLC
BLM

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Confirmation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Lithologic / Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation

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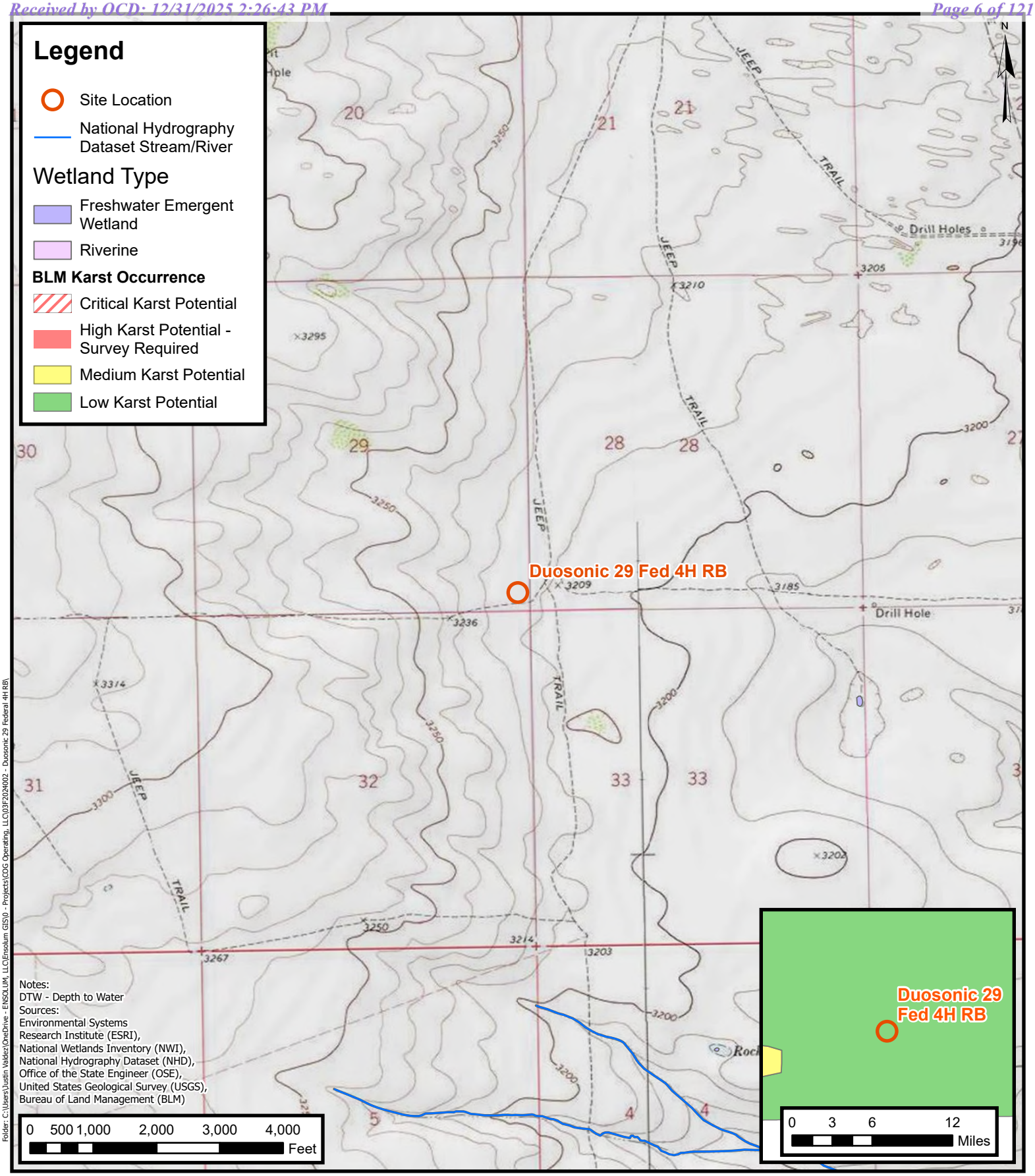
FIGURES



Folder: C:\Users\Justin Valdez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\COG Operating, LLC\03F2024002 - Duosonic 29 Federal 4H RB\

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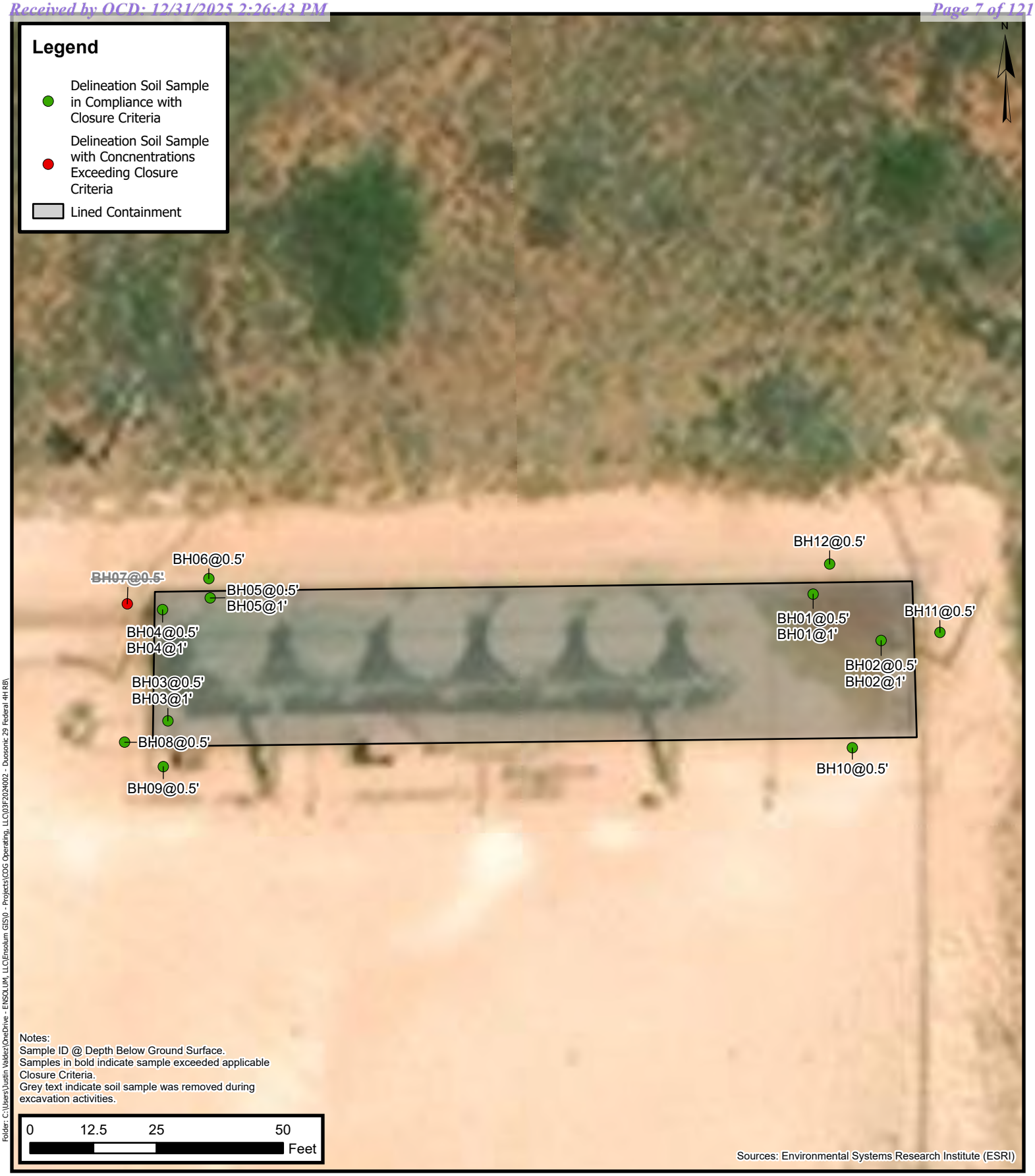
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

COG Operating, LLC
Duosonic 29 Fed 4H RB
Incident Number: nAPP2526948813
Unit P, Section 29, T 25S, R 35E
Lea County, New Mexico

FIGURE 1



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Delineation Soil Sample Locations

COG Operating, LLC
Duosonic 29 Fed 4H RB
Incident Number: nAPP2526948813
Unit P, Section 29, T 25S, R 35E
Lea County, New Mexico

FIGURE 2

Folder: C:\Users\Justin Valdez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\COG Operating, LLC\03F2024002 - Duosonic 29 Federal 4H RB\

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Confirmation Soil Sample Locations

COG Operating, LLC
Duosonic 29 Fed 4H RB
Incident Number: nAPP2526948813
Unit P, Section 29, T 25S, R 35E
Lea County, New Mexico

FIGURE 3

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Duosonic 29 Fed 4H RB
COG Operating, LLC
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Delineation Soil Samples										
BH01	12/04/2025	0.5	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	<10.0
BH01	12/04/2025	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	<9.94
BH02	12/04/2025	0.5	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	<9.92
BH02	12/04/2025	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	<9.94
BH03	12/04/2025	0.5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	24.7
BH03	12/04/2025	1	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	<10.1
BH04	12/04/2025	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	<9.94
BH04	12/04/2025	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	<9.92
BH05	12/04/2025	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	22.6
BH05	12/04/2025	1	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	10.3
BH06	12/04/2025	0.5	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	11.3
~~BH07~~	~~12/04/2025~~	~~0.5~~	~~<0.00200~~	~~<0.00399~~	~~<50.0~~	~~<50.0~~	~~<50.0~~	~~<50.0~~	~~<50.0~~	~~**616**~~
BH08	12/04/2025	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	402
BH09	12/04/2025	0.5	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	44.9
BH10	12/04/2025	0.5	<0.00198	<0.00396	<50.2	<50.2	<50.2	<50.2	<50.2	15.0
BH11	12/04/2025	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	<10.1
BH12	12/04/2025	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	<9.92
Confirmation Soil Samples										
BH13	12/22/2025	0.5	<0.00200	<0.00399	<50.0	<50.0	61.0	<50.0	61.0	11.2

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.*

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APPENDIX A

Referenced Well Records

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DII ROSWELL NM
AUG 28 2024 PM1:51

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
C 04861 - POD1		C-4861

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Solaris Water Midstream Company	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
3300 N.A. St. Bldg6, Unit 6	Midland	TX	79705

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	6	28.5	N
	LONGITUDE	-103	21	14.48	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1833	Jason Maley	Vision Resources

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
8-14-24	8-14-24	105'	105'	N/A

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 0'

DATE STATIC MEASURED: 8-14-24

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	95	6"	PVC 2" SCH40	Thread	2"	SCH40	N/A
95	105	6"	PVC 2" SCH40	Thread	2"	SCH40	.02

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			None pulled and plugged		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-04861	POD NO. 1	TRN NO. 764480	
LOCATION 25S.35E.27.112		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	30	30'	Small Tan sand with white caliche rock	Y ✓N	
30	50	20'	Red and Brown clay with small caliche rock	Y ✓N	
50	105	55'	Gray Clay with caliche rock	Y ✓N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY: Dry hole

TOTAL ESTIMATED WELL YIELD (gpm): 0

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

OSE DII ROSWELL NM
AUG 28 2024 PM1:51

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Jason Maley

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jason Maley — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

8/26/24 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-04861	POD NO. 1	TRN NO. 764480
LOCATION 25S.35E.27.112	WELL TAG ID NO.	PAGE 2 OF 2

Elizabeth K. Anderson, P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 764480
File Nbr: C 04861
Well File Nbr: C 04861 POD1

Aug. 28, 2024

CHANCE DIXON
VERTEX RESOURCE SERVICES INC.
3101 BOYD DRIVE
CARLSBAD, NM 88220

Greetings:

The above numbered permit was issued in your name on 08/02/2024.

The Well Record was received in this office on 08/28/2024, stating that it had been completed on 08/14/2024, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 08/02/2025.

If you have any questions, please feel free to contact us.

Sincerely,

Rodolfo Chavez
(575)622-6521

drywell

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APPENDIX B

Photographic Log

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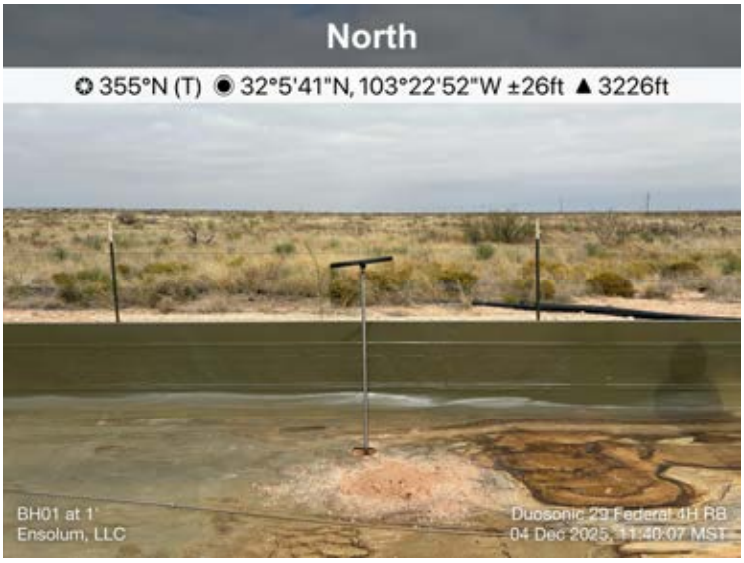
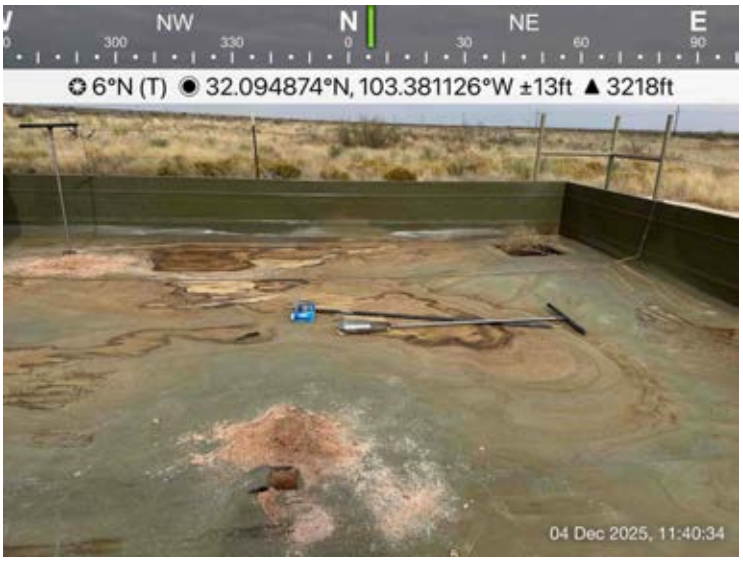
Photographic Log
COG Operating LLC
Duosonic 29 Fed 4H RB
Lea County, NM



Photograph: 1 Date: 12/4/2025
Description: Vertical delineation activities near BH01

View: North



Photograph: 2 Date: 12/4/2025
Description: Vertical delineation activities near BH02

View: North

Photograph: 3 Date: 12/4/2025
Description: Vertical delineation activities near BH03

View: West

Photograph: 4 Date: 12/4/2025
Description: Vertical delineation activities near BH04

View: West

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Photographic Log
COG Operating LLC
Duosonic 29 Fed 4H RB
Lea County, NM

Photograph: 5 Date: 12/4/2025
Description: Vertical delineation activities near BH05

View: East

Photograph: 6 Date: 12/5/2025
Description: Lateral delineation activities near BH06

View: West

Photograph: 7 Date: 12/5/2025
Description: Lateral delineation activities, near BH07

View: Northwest

Photograph: 8 Date: 12/5/2025
Description: Lateral delineation activities, near BH08

View: South

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Photographic Log
COG Operating LLC
Duosonic 29 Fed 4H RB
Lea County, NM

Photograph: 9 Date: 12/5/2025
Description: Lateral delineation activities, near BH09

View: Southeast

Photograph: 10 Date: 12/4/2025
Description: Liner patching activities, near BH10

View: South

Photograph: 11 Date: 12/5/2025
Description: Lateral delineation activities, near BH11

View: Southeast

Photograph: 12 Date: 12/4/2025
Description: Lateral patching activities, near BH12

View: East

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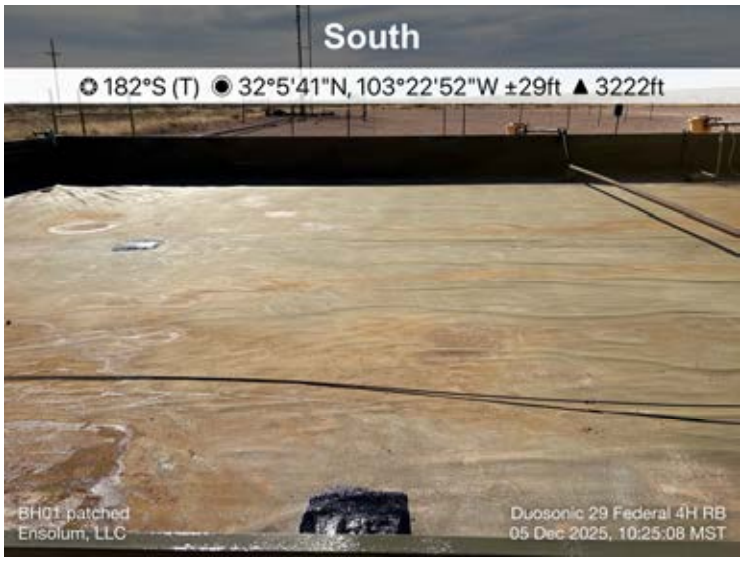
Photographic Log
COG Operating LLC
Duosonic 29 Fed 4H RB
Lea County, NM

Photograph: 13 Date: 12/5/2025
Description: Liner patched

View: Northwest



Photograph: 14 Date: 12/4/2025
Description: Liner patched

View: South

Photograph: 15 Date: 12/5/2025
Description: Liner patched

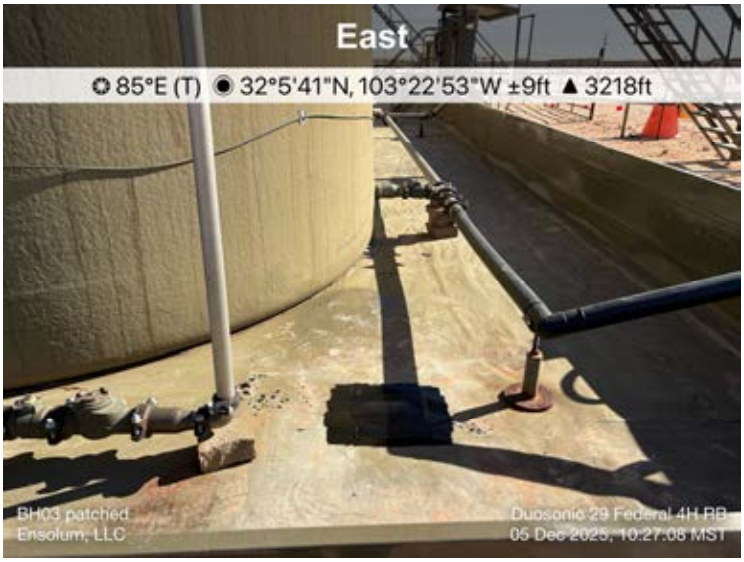
View: West

Photograph: 16 Date: 12/4/2025
Description: Liner patched

View: West

ENSOLUM

Photographic Log
COG Operating LLC
Duosonic 29 Fed 4H RB
Lea County, NM



Photograph: 17 Date: 12/5/2025
Description: Liner patched

View: East

Photograph: 18 Date: 12/5/2025
Description: Liner patched

View: North

Photograph: 19 Date: 12/5/2025
Description: Liner patched

View: East

Photograph: 20 Date: 12/5/2025
Description: Liner patched

View: East

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Photographic Log
COG Operating LLC
Duosonic 29 Fed 4H RB
Lea County, NM

Photograph: 21 Date: 12/22/2025
Description: Delineation activities near BH07

View: Southwest

Photograph: 22 Date: 12/2/2025
Description: Delineation activities near BH07

View: Northwest

Photograph: 23 Date: 12/22/2025
Description: Surface scraping activities near

View: Northeast

Photograph: 24 Date: 12/22/2025
Description: Surface scraping activities near BH13

View: Southeast

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APPENDIX C

Lithologic Soil Sampling Logs

ENSOLUM

	Sample Name: BH01	Date: 12/4/2025
	Site Name: Duosonic 29 Fed 4H RB	
	Incident Number: nAPP2526948813	
	Job Number: 03F2024002	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: NC JH	Method: Hand Auger
Coordinates: 32.094918, -103.381160	Hole Diameter: 3 in	Total Depth: 1' bgs

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
D	<179.2	0.1	N	BH01	0.5		SW-SM	0-0.5', Well graded SAND with silt and gravel, light brown, coarse grained, subrounded, poorly sorted
D	<179.2	0.5	N	BH01	1	1		
Total Depth @ 1' bgs								

ENSOLUM

	Sample Name: BH02	Date: 12/4/2025
	Site Name: Duosonic 29 Fed 4H RB	
	Incident Number: nAPP2526948813	
	Job Number: 03F2024002	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: NC JH	Method: Hand Auger
Coordinates: 32.094893, -103.381117	Hole Diameter: 3 in	Total Depth: 1' bgs

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		0-0.5', Well graded SAND with silt and gravel, light reddish-brown, coarse grained, subrounded, poorly sorted
D	<179.2	0.6	N	BH02	0.5		SW-SM	
D	<179.2	1.2	N	BH02	1	1		
Total Depth @ 1' bgs								

ENSOLUM

	Sample Name: BH03	Date: 12/4/2025
	Site Name: Duosonic 29 Fed 4H RB	
	Incident Number: nAPP2526948813	
	Job Number: 03F2024002	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: NC JH	Method: Hand Auger
Coordinates: 32.094855, -103.381573	Hole Diameter: 3 in	Total Depth: 1' bgs

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0	SW-SM	0-0.5', Well graded SAND with silt and gravel, light pinkish-brown, coarse grained, subrounded, poorly sorted
D	<179.2	1.8	N	BH03	0.5			
D	<179.2	1.1	N	BH03	1	1	SP-SM	0.5-1', poorly graded SAND with silt, dark reddish-brown, fine to very fine grained, well sorted

Total Depth @ 1' bgs

ENSOLUM

	Sample Name: BH04	Date: 12/4/2025
	Site Name: Duosonic 29 Fed 4H RB	
	Incident Number: nAPP2526948813	
	Job Number: 03F2024002	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: NC JH	Method: Hand Auger
Coordinates: 32.094915, -103.381575	Hole Diameter: 3 in	Total Depth: 1' bgs

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
D	<179.2	0.2	N	BH04	0.5		SW-SM	0-0.5', Well graded SAND with silt and gravel, light brown, coarse grained, subrounded, poorly sorted
D	<179.2	0.2	N	BH04	1	1	SP-SM	0.5-1', poorly graded SAND with silt, dark reddish-brown, fine to very fine grained, well sorted
						Total Depth @ 1' bgs		

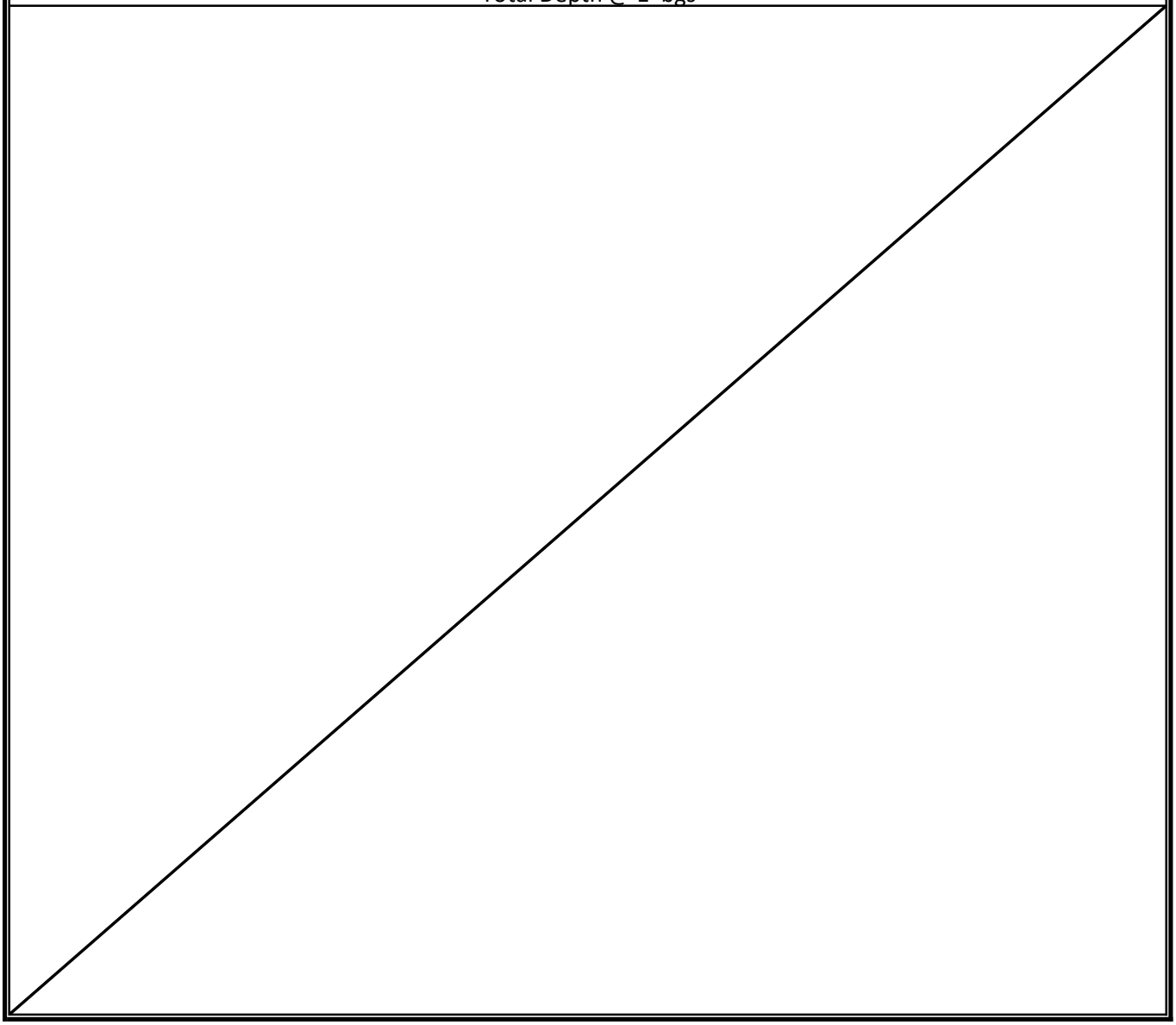
ENSOLUM

	Sample Name: BH05	Date: 12/4/2025
	Site Name: Duosonic 29 Fed 4H RB	
	Incident Number: nAPP2526948813	
	Job Number: 03F2024002	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: NC JH	Method: Hand Auger
Coordinates: 32.094921, -103.381545	Hole Diameter: 3 in	Total Depth: 1' bgs

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0	SW-SM	0-0.5', Well graded SAND with silt and gravel, light pinkish-brown, coarse grained, subrounded, poorly sorted
D	<179.2	0.3	N	BH05	0.5			
D	<179.2	0.4	N	BH05	1	1	SP-SM	0.5-1', poorly graded SAND with silt, dark reddish-brown, fine to very fine grained, well sorted

Total Depth @ 1' bgs



ENSOLUM

APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 12/17/2025 2:19:46 PM Revision 1

JOB DESCRIPTION

Duosonic 29 Federal 4H RB
Lea County NM

JOB NUMBER

890-9167-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

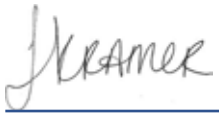
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Revision 1

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Laboratory Job ID: 890-9167-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum Job ID: 890-9167-1
Project: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1 Eurofins Carlsbad

Job Narrative
890-9167-1

REVISION

The report being provided is a revision of the original report sent on 12/16/2025. The report (revision 1) is being revised due to Per client email, requesting chloride re run.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/5/2025 1:09 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BH 06 0.5' (890-9167-1), BH 07 0.5' (890-9167-2), BH 08 0.5' (890-9167-3), BH 09 0.5' (890-9167-4), BH 10 0.5' (890-9167-5), BH 11 0.5' (890-9167-6) and BH 12 0.5' (890-9167-7).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-126092 and 880-126107 and analytical batch 880-126152 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics
Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-126318 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:(CCV 880-126318/19) and (CCV 880-126318/4).

Method 8015MOD_NM: Surrogate recovery for the following sample was outside the upper control limit: BH 10 0.5' (890-9167-5). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-125862/2-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-126812 and analytical batch 880-126855 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Client Sample ID: BH 06 0.5'

Lab Sample ID: 890-9167-1
Matrix: Solid
Date Collected: 12/04/25 14:23
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/11/25 00:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/11/25 00:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/11/25 00:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 13:02	12/11/25 00:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/11/25 00:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 13:02	12/11/25 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*12/09/25 13:02*	*12/11/25 00:15*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*12/09/25 13:02*	*12/11/25 00:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/11/25 00:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/11/25 16:23	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 16:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 16:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*12/08/25 08:29*	*12/11/25 16:23*	*1*
o-Terphenyl	*94*		*70 - 130*	*12/08/25 08:29*	*12/11/25 16:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.3**		10.0		mg/Kg			12/10/25 21:38	1

Client Sample ID: BH 07 0.5'

Lab Sample ID: 890-9167-2
Matrix: Solid
Date Collected: 12/04/25 13:55
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/11/25 00:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/11/25 00:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/11/25 00:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 13:02	12/11/25 00:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/11/25 00:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 13:02	12/11/25 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/09/25 13:02*	*12/11/25 00:36*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Client Sample ID: BH 07 0.5'

Lab Sample ID: 890-9167-2
Matrix: Solid
Date Collected: 12/04/25 13:55
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*12/09/25 13:02*	*12/11/25 00:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/11/25 00:36	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/11/25 16:43	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/08/25 08:29	12/11/25 16:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/25 08:29	12/11/25 16:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/08/25 08:29	12/11/25 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*12/08/25 08:29*	*12/11/25 16:43*	*1*
o-Terphenyl	*96*		*70 - 130*	*12/08/25 08:29*	*12/11/25 16:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**616**		10.1	mg/Kg			12/16/25 20:19	1

Client Sample ID: BH 08 0.5'

Lab Sample ID: 890-9167-3
Matrix: Solid
Date Collected: 12/04/25 14:32
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/09/25 13:02	12/11/25 00:56	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/09/25 13:02	12/11/25 00:56	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/09/25 13:02	12/11/25 00:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		12/09/25 13:02	12/11/25 00:56	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/09/25 13:02	12/11/25 00:56	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/09/25 13:02	12/11/25 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/09/25 13:02*	*12/11/25 00:56*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*12/09/25 13:02*	*12/11/25 00:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/11/25 00:56	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/11/25 17:03	1

Client Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Client Sample ID: BH 08 0.5'

Lab Sample ID: 890-9167-3
Matrix: Solid
Date Collected: 12/04/25 14:32
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 17:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 17:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*12/08/25 08:29*	*12/11/25 17:03*	*1*
o-Terphenyl	*97*		*70 - 130*	*12/08/25 08:29*	*12/11/25 17:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**402**		10.1		mg/Kg			12/10/25 21:48	1

Client Sample ID: BH 09 0.5'

Lab Sample ID: 890-9167-4
Matrix: Solid
Date Collected: 12/04/25 14:58
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/09/25 13:02	12/11/25 01:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 13:02	12/11/25 01:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 13:02	12/11/25 01:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 13:02	12/11/25 01:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 13:02	12/11/25 01:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 13:02	12/11/25 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*12/09/25 13:02*	*12/11/25 01:16*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*12/09/25 13:02*	*12/11/25 01:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/11/25 01:16	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			12/11/25 17:44	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		12/08/25 08:29	12/11/25 17:44	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/08/25 08:29	12/11/25 17:44	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/08/25 08:29	12/11/25 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*12/08/25 08:29*	*12/11/25 17:44*	*1*
o-Terphenyl	*95*		*70 - 130*	*12/08/25 08:29*	*12/11/25 17:44*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Client Sample ID: BH 09 0.5'

Lab Sample ID: 890-9167-4
Matrix: Solid
Date Collected: 12/04/25 14:58
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.9		10.1		mg/Kg			12/10/25 21:53	1

Client Sample ID: BH 10 0.5'

Lab Sample ID: 890-9167-5
Matrix: Solid
Date Collected: 12/04/25 13:52
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/09/25 13:02	12/11/25 01:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/25 13:02	12/11/25 01:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/25 13:02	12/11/25 01:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/25 13:02	12/11/25 01:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/25 13:02	12/11/25 01:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/25 13:02	12/11/25 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/09/25 13:02*	*12/11/25 01:37*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*12/09/25 13:02*	*12/11/25 01:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/11/25 01:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			12/11/25 18:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		12/08/25 08:29	12/11/25 18:05	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/08/25 08:29	12/11/25 18:05	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/08/25 08:29	12/11/25 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*12/08/25 08:29*	*12/11/25 18:05*	*1*
o-Terphenyl	*108*		*70 - 130*	*12/08/25 08:29*	*12/11/25 18:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.0		10.0		mg/Kg			12/10/25 21:58	1

Client Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Client Sample ID: BH 11 0.5'

Lab Sample ID: 890-9167-6
Matrix: Solid
Date Collected: 12/04/25 13:55
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/11/25 01:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/11/25 01:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/11/25 01:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 13:02	12/11/25 01:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/11/25 01:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 13:02	12/11/25 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*12/09/25 13:02*	*12/11/25 01:57*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/09/25 13:02*	*12/11/25 01:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/11/25 01:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/11/25 18:25	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 18:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 18:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*12/08/25 08:29*	*12/11/25 18:25*	*1*
o-Terphenyl	*102*		*70 - 130*	*12/08/25 08:29*	*12/11/25 18:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			12/10/25 22:13	1

Client Sample ID: BH 12 0.5'

Lab Sample ID: 890-9167-7
Matrix: Solid
Date Collected: 12/04/25 13:58
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/09/25 13:02	12/11/25 02:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 13:02	12/11/25 02:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 13:02	12/11/25 02:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 13:02	12/11/25 02:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 13:02	12/11/25 02:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 13:02	12/11/25 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*12/09/25 13:02*	*12/11/25 02:18*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Client Sample ID: BH 12 0.5'
Date Collected: 12/04/25 13:58
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Lab Sample ID: 890-9167-7
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*12/09/25 13:02*	*12/11/25 02:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/11/25 02:18	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/11/25 18:45	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/08/25 08:29	12/11/25 18:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/08/25 08:29	12/11/25 18:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/08/25 08:29	12/11/25 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*127*		*70 - 130*	*12/08/25 08:29*	*12/11/25 18:45*	*1*
o-Terphenyl	*100*		*70 - 130*	*12/08/25 08:29*	*12/11/25 18:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92	mg/Kg			12/10/25 22:18	1

Surrogate Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
890-9167-1	BH 06 0.5'	86	105
890-9167-1 MS	BH 06 0.5'	103	101
890-9167-1 MSD	BH 06 0.5'	94	94
890-9167-2	BH 07 0.5'	109	115
890-9167-3	BH 08 0.5'	115	112
890-9167-4	BH 09 0.5'	118	111
890-9167-5	BH 10 0.5'	115	106
890-9167-6	BH 11 0.5'	124	107
890-9167-7	BH 12 0.5'	131 S1+	116
LCS 880-126107/1-A	Lab Control Sample	101	107
LCSD 880-126107/2-A	Lab Control Sample Dup	97	91
MB 880-126092/5-A	Method Blank	154 S1+	94
MB 880-126107/5-A	Method Blank	194 S1+	111

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
890-9166-A-4-B MS	Matrix Spike	118	86
890-9166-A-4-C MSD	Matrix Spike Duplicate	116	84
890-9167-1	BH 06 0.5'	114	94
890-9167-2	BH 07 0.5'	122	96
890-9167-3	BH 08 0.5'	124	97
890-9167-4	BH 09 0.5'	119	95
890-9167-5	BH 10 0.5'	132 S1+	108
890-9167-6	BH 11 0.5'	130	102
890-9167-7	BH 12 0.5'	127	100
LCS 880-125862/2-A	Lab Control Sample	132 S1+	89
LCSD 880-125862/3-A	Lab Control Sample Dup	129	88
MB 880-125862/1-A	Method Blank	86	94

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126092/5-A
Matrix: Solid
Analysis Batch: 126152

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126092

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:47	12/10/25 12:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:47	12/10/25 12:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:47	12/10/25 12:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 12:47	12/10/25 12:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:47	12/10/25 12:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 12:47	12/10/25 12:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*154*	*S1+*	*70 - 130*	*12/09/25 12:47*	*12/10/25 12:09*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/09/25 12:47*	*12/10/25 12:09*	*1*

Lab Sample ID: MB 880-126107/5-A
Matrix: Solid
Analysis Batch: 126152

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126107

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/10/25 23:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/10/25 23:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/10/25 23:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 13:02	12/10/25 23:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/10/25 23:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 13:02	12/10/25 23:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*194*	*S1+*	*70 - 130*	*12/09/25 13:02*	*12/10/25 23:46*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*12/09/25 13:02*	*12/10/25 23:46*	*1*

Lab Sample ID: LCS 880-126107/1-A
Matrix: Solid
Analysis Batch: 126152

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126107

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1020		mg/Kg		102	70 - 130		
Toluene			0.100	0.08877		mg/Kg		89	70 - 130		
Ethylbenzene			0.100	0.1013		mg/Kg		101	70 - 130		
m-Xylene & p-Xylene			0.200	0.1871		mg/Kg		94	70 - 130		
o-Xylene			0.100	0.09275		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-126107/2-A
Matrix: Solid
Analysis Batch: 126152

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126107

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08202		mg/Kg		82	70 - 130	22	35

QC Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-126107/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126152 — **Prep Batch: 126107**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.08460		mg/Kg		85	70 - 130	5	35
Ethylbenzene			0.100	0.09189		mg/Kg		92	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.1824		mg/Kg		91	70 - 130	3	35
o-Xylene			0.100	0.08695		mg/Kg		87	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: 890-9167-1 MS — **Client Sample ID: BH 06 0.5'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126152 — **Prep Batch: 126107**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08299		mg/Kg		83	70 - 130
Toluene	<0.00200	U	0.100	0.07678		mg/Kg		77	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08094		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1561		mg/Kg		78	70 - 130
o-Xylene	<0.00200	U	0.100	0.08910		mg/Kg		89	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-9167-1 MSD — **Client Sample ID: BH 06 0.5'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126152 — **Prep Batch: 126107**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09496		mg/Kg		95	70 - 130	13	35
Toluene	<0.00200	U	0.100	0.08806		mg/Kg		88	70 - 130	14	35
Ethylbenzene	<0.00200	U	0.100	0.09602		mg/Kg		96	70 - 130	17	35
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1821		mg/Kg		91	70 - 130	15	35
o-Xylene	<0.00200	U	0.100	0.09445		mg/Kg		94	70 - 130	6	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-125862/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126318 — **Prep Batch: 125862**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/25 08:29	12/11/25 09:51	1

QC Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-125862/1-A
Matrix: Solid
Analysis Batch: 126318

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 125862

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 08:29	12/11/25 09:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 08:29	12/11/25 09:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*12/08/25 08:29*	*12/11/25 09:51*	*1*
o-Terphenyl	*94*		*70 - 130*	*12/08/25 08:29*	*12/11/25 09:51*	*1*

Lab Sample ID: LCS 880-125862/2-A
Matrix: Solid
Analysis Batch: 126318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 125862

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1299		mg/Kg		130	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1195		mg/Kg		120	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*132*	*S1+*	*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Lab Sample ID: LCSD 880-125862/3-A
Matrix: Solid
Analysis Batch: 126318

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 125862

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1233		mg/Kg		123	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1177		mg/Kg		118	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*129*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: 890-9166-A-4-B MS
Matrix: Solid
Analysis Batch: 126318

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 125862

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1077		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1066		mg/Kg		104	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*118*		*70 - 130*
o-Terphenyl	*86*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-9166-A-4-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126318 — **Prep Batch: 125862**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1068		mg/Kg		107	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1056		mg/Kg		103	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125982/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 126131

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/10/25 20:34	1

Lab Sample ID: LCS 880-125982/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 126131

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	251.6		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-125982/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 126131

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	251.1		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-9167-5 MS — **Client Sample ID: BH 10 0.5'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 126131

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	15.0		251	272.9		mg/Kg		103	90 - 110		

Lab Sample ID: 890-9167-5 MSD — **Client Sample ID: BH 10 0.5'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 126131

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	15.0		251	272.8		mg/Kg		103	90 - 110	0	20

QC Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-126812/1-A
Matrix: Solid
Analysis Batch: 126855

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/16/25 18:01	1

Lab Sample ID: LCS 880-126812/2-A
Matrix: Solid
Analysis Batch: 126855

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	235.2		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-126812/3-A
Matrix: Solid
Analysis Batch: 126855

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	234.5		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-66115-A-2-B MS
Matrix: Solid
Analysis Batch: 126855

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1270	F1	2490	4073	F1	mg/Kg		113	90 - 110		

Lab Sample ID: 880-66115-A-2-C MSD
Matrix: Solid
Analysis Batch: 126855

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1270	F1	2490	4068	F1	mg/Kg		112	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

GC VOA

Prep Batch: 126092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-126092/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 126107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9167-1	BH 06 0.5'	Total/NA	Solid	5035	
890-9167-2	BH 07 0.5'	Total/NA	Solid	5035	
890-9167-3	BH 08 0.5'	Total/NA	Solid	5035	
890-9167-4	BH 09 0.5'	Total/NA	Solid	5035	
890-9167-5	BH 10 0.5'	Total/NA	Solid	5035	
890-9167-6	BH 11 0.5'	Total/NA	Solid	5035	
890-9167-7	BH 12 0.5'	Total/NA	Solid	5035	
MB 880-126107/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126107/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126107/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9167-1 MS	BH 06 0.5'	Total/NA	Solid	5035	
890-9167-1 MSD	BH 06 0.5'	Total/NA	Solid	5035	

Analysis Batch: 126152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9167-1	BH 06 0.5'	Total/NA	Solid	8021B	126107
890-9167-2	BH 07 0.5'	Total/NA	Solid	8021B	126107
890-9167-3	BH 08 0.5'	Total/NA	Solid	8021B	126107
890-9167-4	BH 09 0.5'	Total/NA	Solid	8021B	126107
890-9167-5	BH 10 0.5'	Total/NA	Solid	8021B	126107
890-9167-6	BH 11 0.5'	Total/NA	Solid	8021B	126107
890-9167-7	BH 12 0.5'	Total/NA	Solid	8021B	126107
MB 880-126092/5-A	Method Blank	Total/NA	Solid	8021B	126092
MB 880-126107/5-A	Method Blank	Total/NA	Solid	8021B	126107
LCS 880-126107/1-A	Lab Control Sample	Total/NA	Solid	8021B	126107
LCSD 880-126107/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126107
890-9167-1 MS	BH 06 0.5'	Total/NA	Solid	8021B	126107
890-9167-1 MSD	BH 06 0.5'	Total/NA	Solid	8021B	126107

Analysis Batch: 126816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9167-1	BH 06 0.5'	Total/NA	Solid	Total BTEX	
890-9167-2	BH 07 0.5'	Total/NA	Solid	Total BTEX	
890-9167-3	BH 08 0.5'	Total/NA	Solid	Total BTEX	
890-9167-4	BH 09 0.5'	Total/NA	Solid	Total BTEX	
890-9167-5	BH 10 0.5'	Total/NA	Solid	Total BTEX	
890-9167-6	BH 11 0.5'	Total/NA	Solid	Total BTEX	
890-9167-7	BH 12 0.5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 125862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9167-1	BH 06 0.5'	Total/NA	Solid	8015NM Prep	
890-9167-2	BH 07 0.5'	Total/NA	Solid	8015NM Prep	
890-9167-3	BH 08 0.5'	Total/NA	Solid	8015NM Prep	
890-9167-4	BH 09 0.5'	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 125862 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9167-5	BH 10 0.5'	Total/NA	Solid	8015NM Prep	
890-9167-6	BH 11 0.5'	Total/NA	Solid	8015NM Prep	
890-9167-7	BH 12 0.5'	Total/NA	Solid	8015NM Prep	
MB 880-125862/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-125862/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-125862/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9166-A-4-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9166-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9167-1	BH 06 0.5'	Total/NA	Solid	8015B NM	125862
890-9167-2	BH 07 0.5'	Total/NA	Solid	8015B NM	125862
890-9167-3	BH 08 0.5'	Total/NA	Solid	8015B NM	125862
890-9167-4	BH 09 0.5'	Total/NA	Solid	8015B NM	125862
890-9167-5	BH 10 0.5'	Total/NA	Solid	8015B NM	125862
890-9167-6	BH 11 0.5'	Total/NA	Solid	8015B NM	125862
890-9167-7	BH 12 0.5'	Total/NA	Solid	8015B NM	125862
MB 880-125862/1-A	Method Blank	Total/NA	Solid	8015B NM	125862
LCS 880-125862/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	125862
LCSD 880-125862/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	125862
890-9166-A-4-B MS	Matrix Spike	Total/NA	Solid	8015B NM	125862
890-9166-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	125862

Analysis Batch: 126525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9167-1	BH 06 0.5'	Total/NA	Solid	8015 NM	
890-9167-2	BH 07 0.5'	Total/NA	Solid	8015 NM	
890-9167-3	BH 08 0.5'	Total/NA	Solid	8015 NM	
890-9167-4	BH 09 0.5'	Total/NA	Solid	8015 NM	
890-9167-5	BH 10 0.5'	Total/NA	Solid	8015 NM	
890-9167-6	BH 11 0.5'	Total/NA	Solid	8015 NM	
890-9167-7	BH 12 0.5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 125982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9167-1	BH 06 0.5'	Soluble	Solid	DI Leach	
890-9167-3	BH 08 0.5'	Soluble	Solid	DI Leach	
890-9167-4	BH 09 0.5'	Soluble	Solid	DI Leach	
890-9167-5	BH 10 0.5'	Soluble	Solid	DI Leach	
890-9167-6	BH 11 0.5'	Soluble	Solid	DI Leach	
890-9167-7	BH 12 0.5'	Soluble	Solid	DI Leach	
MB 880-125982/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125982/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125982/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9167-5 MS	BH 10 0.5'	Soluble	Solid	DI Leach	
890-9167-5 MSD	BH 10 0.5'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

HPLC/IC

Analysis Batch: 126131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9167-1	BH 06 0.5'	Soluble	Solid	300.0	125982
890-9167-3	BH 08 0.5'	Soluble	Solid	300.0	125982
890-9167-4	BH 09 0.5'	Soluble	Solid	300.0	125982
890-9167-5	BH 10 0.5'	Soluble	Solid	300.0	125982
890-9167-6	BH 11 0.5'	Soluble	Solid	300.0	125982
890-9167-7	BH 12 0.5'	Soluble	Solid	300.0	125982
MB 880-125982/1-A	Method Blank	Soluble	Solid	300.0	125982
LCS 880-125982/2-A	Lab Control Sample	Soluble	Solid	300.0	125982
LCSD 880-125982/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125982
890-9167-5 MS	BH 10 0.5'	Soluble	Solid	300.0	125982
890-9167-5 MSD	BH 10 0.5'	Soluble	Solid	300.0	125982

Leach Batch: 126812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9167-2	BH 07 0.5'	Soluble	Solid	DI Leach	
MB 880-126812/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126812/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126812/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-66115-A-2-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-66115-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 126855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9167-2	BH 07 0.5'	Soluble	Solid	300.0	126812
MB 880-126812/1-A	Method Blank	Soluble	Solid	300.0	126812
LCS 880-126812/2-A	Lab Control Sample	Soluble	Solid	300.0	126812
LCSD 880-126812/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126812
880-66115-A-2-B MS	Matrix Spike	Soluble	Solid	300.0	126812
880-66115-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	126812

Lab Chronicle

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Client Sample ID: BH 06 0.5'

Lab Sample ID: 890-9167-1
Matrix: Solid
Date Collected: 12/04/25 14:23
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	126107	12/09/25 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126152	12/11/25 00:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126816	12/11/25 00:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			126525	12/11/25 16:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	125862	12/08/25 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126318	12/11/25 16:23	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	125982	12/08/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126131	12/10/25 21:38	CS	EET MID

Client Sample ID: BH 07 0.5'

Lab Sample ID: 890-9167-2
Matrix: Solid
Date Collected: 12/04/25 13:55
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126107	12/09/25 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126152	12/11/25 00:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126816	12/11/25 00:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			126525	12/11/25 16:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125862	12/08/25 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126318	12/11/25 16:43	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	126812	12/16/25 09:36	SA	EET MID
Soluble	Analysis	300.0		1			126855	12/16/25 20:19	CS	EET MID

Client Sample ID: BH 08 0.5'

Lab Sample ID: 890-9167-3
Matrix: Solid
Date Collected: 12/04/25 14:32
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126107	12/09/25 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126152	12/11/25 00:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126816	12/11/25 00:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			126525	12/11/25 17:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	125862	12/08/25 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126318	12/11/25 17:03	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	125982	12/08/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126131	12/10/25 21:48	CS	EET MID

Client Sample ID: BH 09 0.5'

Lab Sample ID: 890-9167-4
Matrix: Solid
Date Collected: 12/04/25 14:58
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126107	12/09/25 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126152	12/11/25 01:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126816	12/11/25 01:16	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Client Sample ID: BH 09 0.5'

Lab Sample ID: 890-9167-4
Matrix: Solid
Date Collected: 12/04/25 14:58
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			126525	12/11/25 17:44	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	125862	12/08/25 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126318	12/11/25 17:44	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	125982	12/08/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126131	12/10/25 21:53	CS	EET MID

Client Sample ID: BH 10 0.5'

Lab Sample ID: 890-9167-5
Matrix: Solid
Date Collected: 12/04/25 13:52
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	126107	12/09/25 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126152	12/11/25 01:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126816	12/11/25 01:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			126525	12/11/25 18:05	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	125862	12/08/25 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126318	12/11/25 18:05	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	125982	12/08/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126131	12/10/25 21:58	CS	EET MID

Client Sample ID: BH 11 0.5'

Lab Sample ID: 890-9167-6
Matrix: Solid
Date Collected: 12/04/25 13:55
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126107	12/09/25 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126152	12/11/25 01:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126816	12/11/25 01:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			126525	12/11/25 18:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	125862	12/08/25 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126318	12/11/25 18:25	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	125982	12/08/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126131	12/10/25 22:13	CS	EET MID

Client Sample ID: BH 12 0.5'

Lab Sample ID: 890-9167-7
Matrix: Solid
Date Collected: 12/04/25 13:58
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126107	12/09/25 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126152	12/11/25 02:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126816	12/11/25 02:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			126525	12/11/25 18:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	125862	12/08/25 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126318	12/11/25 18:45	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Client Sample ID: BH 12 0.5'
Date Collected: 12/04/25 13:58
Date Received: 12/05/25 13:09

Lab Sample ID: 890-9167-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	125982	12/08/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126131	12/10/25 22:18	CS	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9167-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9167-1	BH 06 0.5'	Solid	12/04/25 14:23	12/05/25 13:09	0.5'
890-9167-2	BH 07 0.5'	Solid	12/04/25 13:55	12/05/25 13:09	0.5'
890-9167-3	BH 08 0.5'	Solid	12/04/25 14:32	12/05/25 13:09	0.5'
890-9167-4	BH 09 0.5'	Solid	12/04/25 14:58	12/05/25 13:09	0.5'
890-9167-5	BH 10 0.5'	Solid	12/04/25 13:52	12/05/25 13:09	0.5'
890-9167-6	BH 11 0.5'	Solid	12/04/25 13:55	12/05/25 13:09	0.5'
890-9167-7	BH 12 0.5'	Solid	12/04/25 13:58	12/05/25 13:09	0.5'

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

www.xenco.com Page 1 of 1

Work Order No: _____

Project Manager:	Hadlie Green	Bill to: (if different)	Ensolum, LLC
Company Name:	Ensolum, LLC	Company Name:	Ensolum, LLC
Address:	601 N Marienfeld St Suite 400	Address:	601 N Marienfeld St Suite 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-557-8895	Email:	Hgreen@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Duosonic 29 Federal 4H RB	Turn Around	☑ Routine ☐ Rush
Project Number:	03F2024002	Due Date:	
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Nicolas Christakos, Jake Harrison		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	INMCC
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.0
Total Containers:		Corrected Temperature:	2.8

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	TPH 8015	BTEX 8021	Chloride 300	Sample Comments
BH06 0.5'	Soil	12/04/25	1423	0.5'	G	1					
BH07 0.5'			1355		G	1					
BH08 0.5'			1432		G	1					
BH09 0.5'			1458		G	1					
BH10 0.5'			1352		G	1					
BH11 0.5'			1355		G	1					
BH12 0.5'			1358		G	1					

NC NFE 12/05/2025

Total 200.7 / 6010 200.8 / 6020: Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	y: (Signature)	Date/Time
1	Nicolas Christakos		12-5 1359	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Kramer, Jessica	Carrier Tracking No(s): N/A	COC No: 890-6209.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-9167-1
Address: 1211 W. Florida Ave,	Due Date Requested: 12/11/2025	Analysis Requested		Preservation Codes:
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: DUOSONIC 29 FEDERAL 4H RB	Project #: 89000145			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACHChloride	8021B/5035FP_Calc(MOD) BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BH 06 0.5' (890-9167-1)	12/4/25	14:23 Mountain	G	Solid			X	X	X	X	X	1	
BH 07 0.5' (890-9167-2)	12/4/25	13:55 Mountain	G	Solid			X	X	X	X	X	1	
BH 08 0.5' (890-9167-3)	12/4/25	14:32 Mountain	G	Solid			X	X	X	X	X	1	
BH 09 0.5' (890-9167-4)	12/4/25	14:58 Mountain	G	Solid			X	X	X	X	X	1	
BH 10 0.5' (890-9167-5)	12/4/25	13:52 Mountain	G	Solid			X	X	X	X	X	1	
BH 11 0.5' (890-9167-6)	12/4/25	13:55 Mountain	G	Solid			X	X	X	X	X	1	
BH 12 0.5' (890-9167-7)	12/4/25	13:58 Mountain	G	Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ________ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 12-5 1630	Company	Received by: [signature]	Date/Time: 12.8.25 800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9167-1
SDG Number: Lea County NM

Login Number: 9167
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9167-1
SDG Number: Lea County NM

Login Number: 9167
List Number: 2
Creator: Dyal, Erica

List Source: Eurofins Midland
List Creation: 12/08/25 12:26 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 12/12/2025 2:53:22 PM

JOB DESCRIPTION

Duosonic 29 Federal 4H RB
Lea County NM

JOB NUMBER

890-9166-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

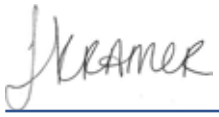
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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12/12/2025 2:53:22 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Laboratory Job ID: 890-9166-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum Job ID: 890-9166-1
Project: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1 Eurofins Carlsbad

Job Narrative
890-9166-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/5/2025 1:09 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BH 01 0.5' (890-9166-1), BH 01 1' (890-9166-2), BH 02 0.5' (890-9166-3), BH 02 1' (890-9166-4), BH 03 0.5' (890-9166-5), BH 03 1' (890-9166-6), BH 04 0.5' (890-9166-7), BH 04 1' (890-9166-8), BH 05 0.5' (890-9166-9) and BH 05 1' (890-9166-10).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-126108 and analytical batch 880-126340 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH 01 0.5' (890-9166-1), BH 02 1' (890-9166-4), BH 03 0.5' (890-9166-5), BH 03 1' (890-9166-6), BH 04 0.5' (890-9166-7), BH 04 1' (890-9166-8), BH 05 0.5' (890-9166-9), BH 05 1' (890-9166-10) and (CCV 880-126340/20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-125839 and analytical batch 880-126315 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-125839 and analytical batch 880-126315 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-126318 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:(CCV 880-126318/19) and (CCV 880-126318/4).

Method 8015MOD_NM: Surrogate recovery for the following sample was outside the upper control limit: BH 03 0.5' (890-9166-5). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-125862/2-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Case Narrative

Client: Ensolum
Job ID: 890-9166-1
Project: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1 (Continued)
Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Client Sample ID: BH 01 0.5'

Lab Sample ID: 890-9166-1
Matrix: Solid
Date Collected: 12/04/25 11:00
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:03	12/11/25 12:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:03	12/11/25 12:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:03	12/11/25 12:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 13:03	12/11/25 12:55	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		12/09/25 13:03	12/11/25 12:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 13:03	12/11/25 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*12/09/25 13:03*	*12/11/25 12:55*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/09/25 13:03*	*12/11/25 12:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/11/25 12:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/12/25 03:19	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *-	49.8		mg/Kg		12/05/25 19:38	12/12/25 03:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/05/25 19:38	12/12/25 03:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/05/25 19:38	12/12/25 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/05/25 19:38*	*12/12/25 03:19*	*1*
o-Terphenyl	*104*		*70 - 130*	*12/05/25 19:38*	*12/12/25 03:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/10/25 16:50	1

Client Sample ID: BH 01 1'

Lab Sample ID: 890-9166-2
Matrix: Solid
Date Collected: 12/04/25 11:02
Date Received: 12/05/25 13:09
Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:03	12/11/25 13:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:03	12/11/25 13:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:03	12/11/25 13:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 13:03	12/11/25 13:16	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		12/09/25 13:03	12/11/25 13:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 13:03	12/11/25 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*12/09/25 13:03*	*12/11/25 13:16*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Client Sample ID: BH 01 1'

Lab Sample ID: 890-9166-2
Matrix: Solid
Date Collected: 12/04/25 11:02
Date Received: 12/05/25 13:09
Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*12/09/25 13:03*	*12/11/25 13:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/11/25 13:16	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/25 03:38	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0	mg/Kg		12/05/25 19:38	12/12/25 03:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/05/25 19:38	12/12/25 03:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/05/25 19:38	12/12/25 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*12/05/25 19:38*	*12/12/25 03:38*	*1*
o-Terphenyl	*123*		*70 - 130*	*12/05/25 19:38*	*12/12/25 03:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94	mg/Kg			12/10/25 16:55	1

Client Sample ID: BH 02 0.5'

Lab Sample ID: 890-9166-3
Matrix: Solid
Date Collected: 12/04/25 11:00
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/09/25 13:03	12/11/25 13:36	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/09/25 13:03	12/11/25 13:36	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/09/25 13:03	12/11/25 13:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		12/09/25 13:03	12/11/25 13:36	1
o-Xylene	<0.00201	U *+	0.00201	mg/Kg		12/09/25 13:03	12/11/25 13:36	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/09/25 13:03	12/11/25 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*12/09/25 13:03*	*12/11/25 13:36*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*12/09/25 13:03*	*12/11/25 13:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/11/25 13:36	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			12/12/25 03:58	1

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Client Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Client Sample ID: BH 02 0.5'

Lab Sample ID: 890-9166-3
Matrix: Solid
Date Collected: 12/04/25 11:00
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *-	50.1		mg/Kg		12/05/25 19:38	12/12/25 03:58	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/05/25 19:38	12/12/25 03:58	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/05/25 19:38	12/12/25 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*12/05/25 19:38*	*12/12/25 03:58*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/05/25 19:38*	*12/12/25 03:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			12/10/25 17:01	1

Client Sample ID: BH 02 1'

Lab Sample ID: 890-9166-4
Matrix: Solid
Date Collected: 12/04/25 11:05
Date Received: 12/05/25 13:09
Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/09/25 13:03	12/11/25 13:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 13:03	12/11/25 13:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 13:03	12/11/25 13:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 13:03	12/11/25 13:56	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		12/09/25 13:03	12/11/25 13:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 13:03	12/11/25 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*12/09/25 13:03*	*12/11/25 13:56*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*12/09/25 13:03*	*12/11/25 13:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/11/25 13:56	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/11/25 13:19	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 13:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 13:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*12/08/25 08:29*	*12/11/25 13:19*	*1*
o-Terphenyl	*92*		*70 - 130*	*12/08/25 08:29*	*12/11/25 13:19*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Client Sample ID: BH 02 1'

Lab Sample ID: 890-9166-4
Matrix: Solid
Date Collected: 12/04/25 11:05
Date Received: 12/05/25 13:09
Sample Depth: 1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			12/10/25 17:07	1

Client Sample ID: BH 03 0.5'

Lab Sample ID: 890-9166-5
Matrix: Solid
Date Collected: 12/04/25 11:55
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/09/25 13:03	12/11/25 14:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/25 13:03	12/11/25 14:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/25 13:03	12/11/25 14:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/25 13:03	12/11/25 14:17	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		12/09/25 13:03	12/11/25 14:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/25 13:03	12/11/25 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*12/09/25 13:03*	*12/11/25 14:17*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/09/25 13:03*	*12/11/25 14:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/11/25 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/11/25 14:21	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 14:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 14:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*12/08/25 08:29*	*12/11/25 14:21*	*1*
o-Terphenyl	*104*		*70 - 130*	*12/08/25 08:29*	*12/11/25 14:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.7**		10.1		mg/Kg			12/10/25 20:49	1

Client Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Client Sample ID: BH 03 1'

Lab Sample ID: 890-9166-6
Matrix: Solid
Date Collected: 12/04/25 11:57
Date Received: 12/05/25 13:09
Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:03	12/11/25 14:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:03	12/11/25 14:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:03	12/11/25 14:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 13:03	12/11/25 14:37	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		12/09/25 13:03	12/11/25 14:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 13:03	12/11/25 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*179*	*S1+*	*70 - 130*	*12/09/25 13:03*	*12/11/25 14:37*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*12/09/25 13:03*	*12/11/25 14:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/11/25 14:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/11/25 14:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		12/08/25 08:29	12/11/25 14:41	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/08/25 08:29	12/11/25 14:41	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/08/25 08:29	12/11/25 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*12/08/25 08:29*	*12/11/25 14:41*	*1*
o-Terphenyl	*102*		*70 - 130*	*12/08/25 08:29*	*12/11/25 14:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			12/10/25 21:04	1

Client Sample ID: BH 04 0.5'

Lab Sample ID: 890-9166-7
Matrix: Solid
Date Collected: 12/04/25 11:55
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/09/25 13:03	12/11/25 14:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 13:03	12/11/25 14:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 13:03	12/11/25 14:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 13:03	12/11/25 14:58	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		12/09/25 13:03	12/11/25 14:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 13:03	12/11/25 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*166*	*S1+*	*70 - 130*	*12/09/25 13:03*	*12/11/25 14:58*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Client Sample ID: BH 04 0.5'

Lab Sample ID: 890-9166-7
Matrix: Solid
Date Collected: 12/04/25 11:55
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*12/09/25 13:03*	*12/11/25 14:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/11/25 14:58	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/11/25 15:01	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/08/25 08:29	12/11/25 15:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/08/25 08:29	12/11/25 15:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/08/25 08:29	12/11/25 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*114*		*70 - 130*	*12/08/25 08:29*	*12/11/25 15:01*	*1*
o-Terphenyl	*91*		*70 - 130*	*12/08/25 08:29*	*12/11/25 15:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94	mg/Kg			12/10/25 21:09	1

Client Sample ID: BH 04 1'

Lab Sample ID: 890-9166-8
Matrix: Solid
Date Collected: 12/04/25 11:57
Date Received: 12/05/25 13:09
Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/09/25 13:03	12/11/25 15:18	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/09/25 13:03	12/11/25 15:18	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/09/25 13:03	12/11/25 15:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		12/09/25 13:03	12/11/25 15:18	1
o-Xylene	<0.00199	U *+	0.00199	mg/Kg		12/09/25 13:03	12/11/25 15:18	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/09/25 13:03	12/11/25 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*191*	*S1+*	*70 - 130*	*12/09/25 13:03*	*12/11/25 15:18*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*12/09/25 13:03*	*12/11/25 15:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/11/25 15:18	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/11/25 15:21	1

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Client Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Client Sample ID: BH 04 1'

Lab Sample ID: 890-9166-8
Matrix: Solid
Date Collected: 12/04/25 11:57
Date Received: 12/05/25 13:09
Sample Depth: 1'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 15:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 15:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 08:29	12/11/25 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*12/08/25 08:29*	*12/11/25 15:21*	*1*
o-Terphenyl	*95*		*70 - 130*	*12/08/25 08:29*	*12/11/25 15:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			12/10/25 21:14	1

Client Sample ID: BH 05 0.5'

Lab Sample ID: 890-9166-9
Matrix: Solid
Date Collected: 12/04/25 12:07
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:03	12/11/25 15:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:03	12/11/25 15:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:03	12/11/25 15:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 13:03	12/11/25 15:38	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		12/09/25 13:03	12/11/25 15:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 13:03	12/11/25 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*179*	*S1+*	*70 - 130*	*12/09/25 13:03*	*12/11/25 15:38*	*1*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*	*12/09/25 13:03*	*12/11/25 15:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/11/25 15:38	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/11/25 15:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/25 08:29	12/11/25 15:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 08:29	12/11/25 15:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 08:29	12/11/25 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*12/08/25 08:29*	*12/11/25 15:42*	*1*
o-Terphenyl	*98*		*70 - 130*	*12/08/25 08:29*	*12/11/25 15:42*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Client Sample ID: BH 05 0.5'

Lab Sample ID: 890-9166-9
Matrix: Solid
Date Collected: 12/04/25 12:07
Date Received: 12/05/25 13:09
Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.6		9.98		mg/Kg			12/10/25 21:19	1

Client Sample ID: BH 05 1'

Lab Sample ID: 890-9166-10
Matrix: Solid
Date Collected: 12/04/25 12:12
Date Received: 12/05/25 13:09
Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/09/25 13:03	12/11/25 15:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 13:03	12/11/25 15:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 13:03	12/11/25 15:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 13:03	12/11/25 15:59	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		12/09/25 13:03	12/11/25 15:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 13:03	12/11/25 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*12/09/25 13:03*	*12/11/25 15:59*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*12/09/25 13:03*	*12/11/25 15:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/11/25 15:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/11/25 16:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/08/25 08:29	12/11/25 16:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 08:29	12/11/25 16:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 08:29	12/11/25 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*12/08/25 08:29*	*12/11/25 16:02*	*1*
o-Terphenyl	*94*		*70 - 130*	*12/08/25 08:29*	*12/11/25 16:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.3		9.96		mg/Kg			12/10/25 21:33	1

Surrogate Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-9166-1	BH 01 0.5'	136 S1+	99
890-9166-1 MS	BH 01 0.5'	173 S1+	110
890-9166-1 MSD	BH 01 0.5'	151 S1+	84
890-9166-2	BH 01 1'	112	90
890-9166-3	BH 02 0.5'	123	92
890-9166-4	BH 02 1'	144 S1+	78
890-9166-5	BH 03 0.5'	146 S1+	95
890-9166-6	BH 03 1'	179 S1+	121
890-9166-7	BH 04 0.5'	166 S1+	121
890-9166-8	BH 04 1'	191 S1+	116
890-9166-9	BH 05 0.5'	179 S1+	126
890-9166-10	BH 05 1'	135 S1+	81
LCS 880-126108/1-A	Lab Control Sample	136 S1+	78
LCSD 880-126108/2-A	Lab Control Sample Dup	152 S1+	125
MB 880-126108/5-A	Method Blank	149 S1+	84

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-65810-A-17-B MS	Matrix Spike	98	99
880-65810-A-17-C MSD	Matrix Spike Duplicate	92	97
890-9166-1	BH 01 0.5'	88	104
890-9166-2	BH 01 1'	82	123
890-9166-3	BH 02 0.5'	70	115
890-9166-4	BH 02 1'	113	92
890-9166-4 MS	BH 02 1'	118	86
890-9166-4 MSD	BH 02 1'	116	84
890-9166-5	BH 03 0.5'	133 S1+	104
890-9166-6	BH 03 1'	130	102
890-9166-7	BH 04 0.5'	114	91
890-9166-8	BH 04 1'	122	95
890-9166-9	BH 05 0.5'	116	98
890-9166-10	BH 05 1'	120	94
LCS 880-125839/2-A	Lab Control Sample	109	124
LCS 880-125862/2-A	Lab Control Sample	132 S1+	89
LCSD 880-125839/3-A	Lab Control Sample Dup	92	107
LCSD 880-125862/3-A	Lab Control Sample Dup	129	88
MB 880-125839/1-A	Method Blank	74	116
MB 880-125862/1-A	Method Blank	86	94

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126108/5-A
Matrix: Solid
Analysis Batch: 126340

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126108

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:03	12/11/25 12:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:03	12/11/25 12:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:03	12/11/25 12:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 13:03	12/11/25 12:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:03	12/11/25 12:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 13:03	12/11/25 12:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*12/09/25 13:03*	*12/11/25 12:34*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*12/09/25 13:03*	*12/11/25 12:34*	*1*

Lab Sample ID: LCS 880-126108/1-A
Matrix: Solid
Analysis Batch: 126340

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126108

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08851		mg/Kg		89	70 - 130		
Toluene			0.100	0.09048		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.08947		mg/Kg		89	70 - 130		
m-Xylene & p-Xylene			0.200	0.1832		mg/Kg		92	70 - 130		
o-Xylene			0.100	0.09429		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*

Lab Sample ID: LCSD 880-126108/2-A
Matrix: Solid
Analysis Batch: 126340

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126108

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1203		mg/Kg		120	70 - 130	30	35
Toluene			0.100	0.1256		mg/Kg		126	70 - 130	33	35
Ethylbenzene			0.100	0.1242		mg/Kg		124	70 - 130	33	35
m-Xylene & p-Xylene			0.200	0.2580		mg/Kg		129	70 - 130	34	35
o-Xylene			0.100	0.1312	*+	mg/Kg		131	70 - 130	33	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*

Lab Sample ID: 890-9166-1 MS
Matrix: Solid
Analysis Batch: 126340

Client Sample ID: BH 01 0.5'
Prep Type: Total/NA
Prep Batch: 126108

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.1118		mg/Kg		112	70 - 130		
Toluene	<0.00200	U	0.100	0.1151		mg/Kg		115	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-9166-1 MS
Matrix: Solid
Analysis Batch: 126340

Client Sample ID: BH 01 0.5'
Prep Type: Total/NA
Prep Batch: 126108

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1139		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2350		mg/Kg		118	70 - 130
o-Xylene	<0.00200	U *+	0.100	0.1178		mg/Kg		118	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*173*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 890-9166-1 MSD
Matrix: Solid
Analysis Batch: 126340

Client Sample ID: BH 01 0.5'
Prep Type: Total/NA
Prep Batch: 126108

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09119		mg/Kg		91	70 - 130	20	35
Toluene	<0.00200	U	0.100	0.09433		mg/Kg		94	70 - 130	20	35
Ethylbenzene	<0.00200	U	0.100	0.09310		mg/Kg		93	70 - 130	20	35
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1924		mg/Kg		96	70 - 130	20	35
o-Xylene	<0.00200	U *+	0.100	0.09441		mg/Kg		94	70 - 130	22	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-125839/1-A
Matrix: Solid
Analysis Batch: 126315

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 125839

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/05/25 19:38	12/11/25 19:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/05/25 19:38	12/11/25 19:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/05/25 19:38	12/11/25 19:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*12/05/25 19:38*	*12/11/25 19:51*	*1*
o-Terphenyl	*116*		*70 - 130*	*12/05/25 19:38*	*12/11/25 19:51*	*1*

Lab Sample ID: LCS 880-125839/2-A
Matrix: Solid
Analysis Batch: 126315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 125839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	776.7		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1233		mg/Kg		123	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-125839/2-A
Matrix: Solid
Analysis Batch: 126315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 125839

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	124		70 - 130

Lab Sample ID: LCSD 880-125839/3-A
Matrix: Solid
Analysis Batch: 126315

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 125839

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	662.3	*-	mg/Kg		66	70 - 130	16	20
Diesel Range Organics (Over C10-C28)			1000	1045		mg/Kg		104	70 - 130	17	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-65810-A-17-B MS
Matrix: Solid
Analysis Batch: 126315

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 125839

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *- F2	997	1154		mg/Kg		116	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	894.9		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-65810-A-17-C MSD
Matrix: Solid
Analysis Batch: 126315

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 125839

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *- F2	997	909.2	F2	mg/Kg		91	70 - 130	24	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	954.5		mg/Kg		96	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	97		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-125862/1-A
Matrix: Solid
Analysis Batch: 126318

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 125862

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/25 08:29	12/11/25 09:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 08:29	12/11/25 09:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 08:29	12/11/25 09:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*12/08/25 08:29*	*12/11/25 09:51*	*1*
o-Terphenyl	*94*		*70 - 130*	*12/08/25 08:29*	*12/11/25 09:51*	*1*

Lab Sample ID: LCS 880-125862/2-A
Matrix: Solid
Analysis Batch: 126318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 125862

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1299		mg/Kg		130	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1195		mg/Kg		120	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*132*	*S1+*	*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Lab Sample ID: LCSD 880-125862/3-A
Matrix: Solid
Analysis Batch: 126318

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 125862

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1233		mg/Kg		123	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1177		mg/Kg		118	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*129*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: 890-9166-4 MS
Matrix: Solid
Analysis Batch: 126318

Client Sample ID: BH 02 1'
Prep Type: Total/NA
Prep Batch: 125862

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1077		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1066		mg/Kg		104	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-9166-4 MS
Matrix: Solid
Analysis Batch: 126318

Client Sample ID: BH 02 1'
Prep Type: Total/NA
Prep Batch: 125862

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: 890-9166-4 MSD
Matrix: Solid
Analysis Batch: 126318

Client Sample ID: BH 02 1'
Prep Type: Total/NA
Prep Batch: 125862

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1068		mg/Kg		107	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1056		mg/Kg		103	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	84		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125981/1-A
Matrix: Solid
Analysis Batch: 126119

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/10/25 14:17	1

Lab Sample ID: LCS 880-125981/2-A
Matrix: Solid
Analysis Batch: 126119

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	252.4		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-125981/3-A
Matrix: Solid
Analysis Batch: 126119

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	254.7		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 880-65787-A-18-E MS
Matrix: Solid
Analysis Batch: 126119

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	12.0		249	263.0		mg/Kg		101	90 - 110		

QC Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-65787-A-18-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 126119

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12.0		249	265.0		mg/Kg		102	90 - 110	1	20

Lab Sample ID: MB 880-125982/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 126131

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/10/25 20:34	1

Lab Sample ID: LCS 880-125982/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 126131

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	251.6		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-125982/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 126131

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	251.1		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-9166-5 MS — **Client Sample ID: BH 03 0.5'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 126131

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	24.7		253	280.7		mg/Kg		101	90 - 110		

Lab Sample ID: 890-9166-5 MSD — **Client Sample ID: BH 03 0.5'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 126131

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	24.7		253	280.7		mg/Kg		101	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

GC VOA

Prep Batch: 126108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9166-1	BH 01 0.5'	Total/NA	Solid	5035	
890-9166-2	BH 01 1'	Total/NA	Solid	5035	
890-9166-3	BH 02 0.5'	Total/NA	Solid	5035	
890-9166-4	BH 02 1'	Total/NA	Solid	5035	
890-9166-5	BH 03 0.5'	Total/NA	Solid	5035	
890-9166-6	BH 03 1'	Total/NA	Solid	5035	
890-9166-7	BH 04 0.5'	Total/NA	Solid	5035	
890-9166-8	BH 04 1'	Total/NA	Solid	5035	
890-9166-9	BH 05 0.5'	Total/NA	Solid	5035	
890-9166-10	BH 05 1'	Total/NA	Solid	5035	
MB 880-126108/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126108/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126108/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9166-1 MS	BH 01 0.5'	Total/NA	Solid	5035	
890-9166-1 MSD	BH 01 0.5'	Total/NA	Solid	5035	

Analysis Batch: 126340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9166-1	BH 01 0.5'	Total/NA	Solid	8021B	126108
890-9166-2	BH 01 1'	Total/NA	Solid	8021B	126108
890-9166-3	BH 02 0.5'	Total/NA	Solid	8021B	126108
890-9166-4	BH 02 1'	Total/NA	Solid	8021B	126108
890-9166-5	BH 03 0.5'	Total/NA	Solid	8021B	126108
890-9166-6	BH 03 1'	Total/NA	Solid	8021B	126108
890-9166-7	BH 04 0.5'	Total/NA	Solid	8021B	126108
890-9166-8	BH 04 1'	Total/NA	Solid	8021B	126108
890-9166-9	BH 05 0.5'	Total/NA	Solid	8021B	126108
890-9166-10	BH 05 1'	Total/NA	Solid	8021B	126108
MB 880-126108/5-A	Method Blank	Total/NA	Solid	8021B	126108
LCS 880-126108/1-A	Lab Control Sample	Total/NA	Solid	8021B	126108
LCSD 880-126108/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126108
890-9166-1 MS	BH 01 0.5'	Total/NA	Solid	8021B	126108
890-9166-1 MSD	BH 01 0.5'	Total/NA	Solid	8021B	126108

Analysis Batch: 126551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9166-1	BH 01 0.5'	Total/NA	Solid	Total BTEX	
890-9166-2	BH 01 1'	Total/NA	Solid	Total BTEX	
890-9166-3	BH 02 0.5'	Total/NA	Solid	Total BTEX	
890-9166-4	BH 02 1'	Total/NA	Solid	Total BTEX	
890-9166-5	BH 03 0.5'	Total/NA	Solid	Total BTEX	
890-9166-6	BH 03 1'	Total/NA	Solid	Total BTEX	
890-9166-7	BH 04 0.5'	Total/NA	Solid	Total BTEX	
890-9166-8	BH 04 1'	Total/NA	Solid	Total BTEX	
890-9166-9	BH 05 0.5'	Total/NA	Solid	Total BTEX	
890-9166-10	BH 05 1'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 125839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9166-1	BH 01 0.5'	Total/NA	Solid	8015NM Prep	
890-9166-2	BH 01 1'	Total/NA	Solid	8015NM Prep	
890-9166-3	BH 02 0.5'	Total/NA	Solid	8015NM Prep	
MB 880-125839/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-125839/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-125839/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-65810-A-17-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-65810-A-17-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 125862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9166-4	BH 02 1'	Total/NA	Solid	8015NM Prep	
890-9166-5	BH 03 0.5'	Total/NA	Solid	8015NM Prep	
890-9166-6	BH 03 1'	Total/NA	Solid	8015NM Prep	
890-9166-7	BH 04 0.5'	Total/NA	Solid	8015NM Prep	
890-9166-8	BH 04 1'	Total/NA	Solid	8015NM Prep	
890-9166-9	BH 05 0.5'	Total/NA	Solid	8015NM Prep	
890-9166-10	BH 05 1'	Total/NA	Solid	8015NM Prep	
MB 880-125862/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-125862/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-125862/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9166-4 MS	BH 02 1'	Total/NA	Solid	8015NM Prep	
890-9166-4 MSD	BH 02 1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9166-1	BH 01 0.5'	Total/NA	Solid	8015B NM	125839
890-9166-2	BH 01 1'	Total/NA	Solid	8015B NM	125839
890-9166-3	BH 02 0.5'	Total/NA	Solid	8015B NM	125839
MB 880-125839/1-A	Method Blank	Total/NA	Solid	8015B NM	125839
LCS 880-125839/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	125839
LCSD 880-125839/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	125839
880-65810-A-17-B MS	Matrix Spike	Total/NA	Solid	8015B NM	125839
880-65810-A-17-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	125839

Analysis Batch: 126318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9166-4	BH 02 1'	Total/NA	Solid	8015B NM	125862
890-9166-5	BH 03 0.5'	Total/NA	Solid	8015B NM	125862
890-9166-6	BH 03 1'	Total/NA	Solid	8015B NM	125862
890-9166-7	BH 04 0.5'	Total/NA	Solid	8015B NM	125862
890-9166-8	BH 04 1'	Total/NA	Solid	8015B NM	125862
890-9166-9	BH 05 0.5'	Total/NA	Solid	8015B NM	125862
890-9166-10	BH 05 1'	Total/NA	Solid	8015B NM	125862
MB 880-125862/1-A	Method Blank	Total/NA	Solid	8015B NM	125862
LCS 880-125862/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	125862
LCSD 880-125862/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	125862
890-9166-4 MS	BH 02 1'	Total/NA	Solid	8015B NM	125862
890-9166-4 MSD	BH 02 1'	Total/NA	Solid	8015B NM	125862

QC Association Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

GC Semi VOA

Analysis Batch: 126521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9166-1	BH 01 0.5'	Total/NA	Solid	8015 NM	
890-9166-2	BH 01 1'	Total/NA	Solid	8015 NM	
890-9166-3	BH 02 0.5'	Total/NA	Solid	8015 NM	
890-9166-4	BH 02 1'	Total/NA	Solid	8015 NM	
890-9166-5	BH 03 0.5'	Total/NA	Solid	8015 NM	
890-9166-6	BH 03 1'	Total/NA	Solid	8015 NM	
890-9166-7	BH 04 0.5'	Total/NA	Solid	8015 NM	
890-9166-8	BH 04 1'	Total/NA	Solid	8015 NM	
890-9166-9	BH 05 0.5'	Total/NA	Solid	8015 NM	
890-9166-10	BH 05 1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 125981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9166-1	BH 01 0.5'	Soluble	Solid	DI Leach	
890-9166-2	BH 01 1'	Soluble	Solid	DI Leach	
890-9166-3	BH 02 0.5'	Soluble	Solid	DI Leach	
890-9166-4	BH 02 1'	Soluble	Solid	DI Leach	
MB 880-125981/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125981/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125981/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-65787-A-18-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-65787-A-18-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 125982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9166-5	BH 03 0.5'	Soluble	Solid	DI Leach	
890-9166-6	BH 03 1'	Soluble	Solid	DI Leach	
890-9166-7	BH 04 0.5'	Soluble	Solid	DI Leach	
890-9166-8	BH 04 1'	Soluble	Solid	DI Leach	
890-9166-9	BH 05 0.5'	Soluble	Solid	DI Leach	
890-9166-10	BH 05 1'	Soluble	Solid	DI Leach	
MB 880-125982/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125982/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125982/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9166-5 MS	BH 03 0.5'	Soluble	Solid	DI Leach	
890-9166-5 MSD	BH 03 0.5'	Soluble	Solid	DI Leach	

Analysis Batch: 126119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9166-1	BH 01 0.5'	Soluble	Solid	300.0	125981
890-9166-2	BH 01 1'	Soluble	Solid	300.0	125981
890-9166-3	BH 02 0.5'	Soluble	Solid	300.0	125981
890-9166-4	BH 02 1'	Soluble	Solid	300.0	125981
MB 880-125981/1-A	Method Blank	Soluble	Solid	300.0	125981
LCS 880-125981/2-A	Lab Control Sample	Soluble	Solid	300.0	125981
LCSD 880-125981/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125981
880-65787-A-18-E MS	Matrix Spike	Soluble	Solid	300.0	125981
880-65787-A-18-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	125981

QC Association Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

HPLC/IC

Analysis Batch: 126131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9166-5	BH 03 0.5'	Soluble	Solid	300.0	125982
890-9166-6	BH 03 1'	Soluble	Solid	300.0	125982
890-9166-7	BH 04 0.5'	Soluble	Solid	300.0	125982
890-9166-8	BH 04 1'	Soluble	Solid	300.0	125982
890-9166-9	BH 05 0.5'	Soluble	Solid	300.0	125982
890-9166-10	BH 05 1'	Soluble	Solid	300.0	125982
MB 880-125982/1-A	Method Blank	Soluble	Solid	300.0	125982
LCS 880-125982/2-A	Lab Control Sample	Soluble	Solid	300.0	125982
LCSD 880-125982/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125982
890-9166-5 MS	BH 03 0.5'	Soluble	Solid	300.0	125982
890-9166-5 MSD	BH 03 0.5'	Soluble	Solid	300.0	125982

Lab Chronicle

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Client Sample ID: BH 01 0.5'

Lab Sample ID: 890-9166-1
Matrix: Solid
Date Collected: 12/04/25 11:00
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	126108	12/09/25 13:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126340	12/11/25 12:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126551	12/11/25 12:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			126521	12/12/25 03:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	125839	12/05/25 19:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126315	12/12/25 03:19	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	125981	12/08/25 15:08	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126119	12/10/25 16:50	CS	EET MID

Client Sample ID: BH 01 1'

Lab Sample ID: 890-9166-2
Matrix: Solid
Date Collected: 12/04/25 11:02
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126108	12/09/25 13:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126340	12/11/25 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126551	12/11/25 13:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			126521	12/12/25 03:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125839	12/05/25 19:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126315	12/12/25 03:38	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125981	12/08/25 15:08	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126119	12/10/25 16:55	CS	EET MID

Client Sample ID: BH 02 0.5'

Lab Sample ID: 890-9166-3
Matrix: Solid
Date Collected: 12/04/25 11:00
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126108	12/09/25 13:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126340	12/11/25 13:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126551	12/11/25 13:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			126521	12/12/25 03:58	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	125839	12/05/25 19:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126315	12/12/25 03:58	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125981	12/08/25 15:08	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126119	12/10/25 17:01	CS	EET MID

Client Sample ID: BH 02 1'

Lab Sample ID: 890-9166-4
Matrix: Solid
Date Collected: 12/04/25 11:05
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126108	12/09/25 13:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126340	12/11/25 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126551	12/11/25 13:56	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Client Sample ID: BH 02 1'

Lab Sample ID: 890-9166-4
Date Collected: 12/04/25 11:05
Matrix: Solid
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			126521	12/11/25 13:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	125862	12/08/25 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126318	12/11/25 13:19	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125981	12/08/25 15:08	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126119	12/10/25 17:07	CS	EET MID

Client Sample ID: BH 03 0.5'

Lab Sample ID: 890-9166-5
Date Collected: 12/04/25 11:55
Matrix: Solid
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	126108	12/09/25 13:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126340	12/11/25 14:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126551	12/11/25 14:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			126521	12/11/25 14:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	125862	12/08/25 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126318	12/11/25 14:21	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	125982	12/08/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126131	12/10/25 20:49	CS	EET MID

Client Sample ID: BH 03 1'

Lab Sample ID: 890-9166-6
Date Collected: 12/04/25 11:57
Matrix: Solid
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126108	12/09/25 13:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126340	12/11/25 14:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126551	12/11/25 14:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			126521	12/11/25 14:41	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	125862	12/08/25 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126318	12/11/25 14:41	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	125982	12/08/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126131	12/10/25 21:04	CS	EET MID

Client Sample ID: BH 04 0.5'

Lab Sample ID: 890-9166-7
Date Collected: 12/04/25 11:55
Matrix: Solid
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126108	12/09/25 13:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126340	12/11/25 14:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126551	12/11/25 14:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			126521	12/11/25 15:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	125862	12/08/25 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126318	12/11/25 15:01	SA	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Client Sample ID: BH 04 0.5'

Lab Sample ID: 890-9166-7
Matrix: Solid
Date Collected: 12/04/25 11:55
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	125982	12/08/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126131	12/10/25 21:09	CS	EET MID

Client Sample ID: BH 04 1'

Lab Sample ID: 890-9166-8
Matrix: Solid
Date Collected: 12/04/25 11:57
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126108	12/09/25 13:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126340	12/11/25 15:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126551	12/11/25 15:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			126521	12/11/25 15:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	125862	12/08/25 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126318	12/11/25 15:21	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125982	12/08/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126131	12/10/25 21:14	CS	EET MID

Client Sample ID: BH 05 0.5'

Lab Sample ID: 890-9166-9
Matrix: Solid
Date Collected: 12/04/25 12:07
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126108	12/09/25 13:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126340	12/11/25 15:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126551	12/11/25 15:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			126521	12/11/25 15:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125862	12/08/25 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126318	12/11/25 15:42	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	125982	12/08/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126131	12/10/25 21:19	CS	EET MID

Client Sample ID: BH 05 1'

Lab Sample ID: 890-9166-10
Matrix: Solid
Date Collected: 12/04/25 12:12
Date Received: 12/05/25 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126108	12/09/25 13:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126340	12/11/25 15:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126551	12/11/25 15:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			126521	12/11/25 16:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	125862	12/08/25 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126318	12/11/25 16:02	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125982	12/08/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126131	12/10/25 21:33	CS	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 890-9166-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9166-1	BH 01 0.5'	Solid	12/04/25 11:00	12/05/25 13:09	0.5'
890-9166-2	BH 01 1'	Solid	12/04/25 11:02	12/05/25 13:09	1'
890-9166-3	BH 02 0.5'	Solid	12/04/25 11:00	12/05/25 13:09	0.5'
890-9166-4	BH 02 1'	Solid	12/04/25 11:05	12/05/25 13:09	1'
890-9166-5	BH 03 0.5'	Solid	12/04/25 11:55	12/05/25 13:09	0.5'
890-9166-6	BH 03 1'	Solid	12/04/25 11:57	12/05/25 13:09	1'
890-9166-7	BH 04 0.5'	Solid	12/04/25 11:55	12/05/25 13:09	0.5'
890-9166-8	BH 04 1'	Solid	12/04/25 11:57	12/05/25 13:09	1'
890-9166-9	BH 05 0.5'	Solid	12/04/25 12:07	12/05/25 13:09	0.5'
890-9166-10	BH 05 1'	Solid	12/04/25 12:12	12/05/25 13:09	1'

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

www.xenco.com Page 1 of 1

Work Order No: _____

Project Manager:	Hadlie Green	Bill to: (if different)	Ensolum, LLC
Company Name:	Ensolum, LLC	Company Name:	Ensolum, LLC
Address:	601 N Marienfeld St Suite 400	Address:	601 N Marienfeld St Suite 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-557-8895	Email:	Hgreen@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

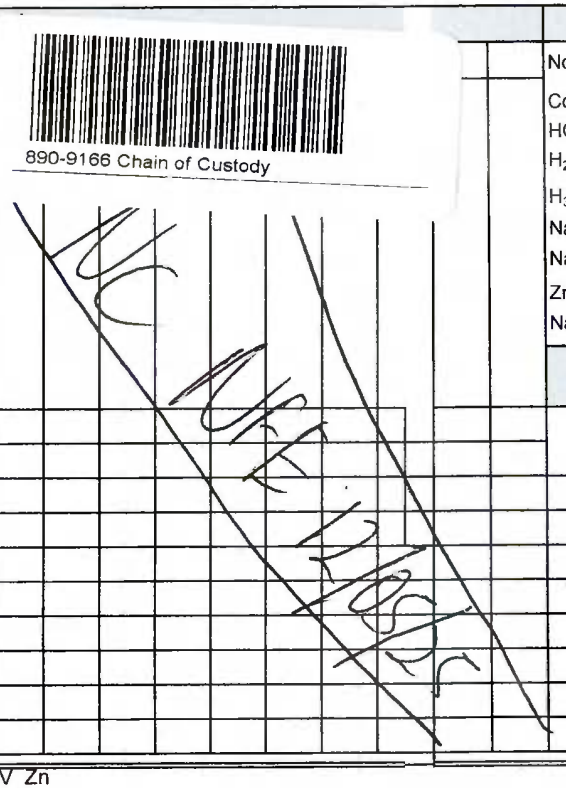
Project Name:	Duosonic 29 Federal 4H RB	Turn Around	☑ Routine ☐ Rush
Project Number:	03F2024002	Due Date:	
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Nicolas Christakos, Jake Harrison		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TWnco
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.0
Total Containers:		Corrected Temperature:	2.8

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	TPH 8015	BTEX 8021	Chloride 300	Sample Comments
BH01	0.5'	Soil	12/04/25	1100	0.5'	G	1				
BH01	1'			1102	1'	G	1				
BH02	0.5'			1100	0.5'	G	1				
BH02	1'			1105	1'	G	1				
BH03	0.5'			1155	0.5'	G	1				
BH03	1'			1157	1'	G	1				
BH04	0.5'			1155	0.5'	G	1				
BH04	1'			1157	1'	G	1				
BH05	0.5'			1207	0.5'	G	1				
BH05	1'			1212	1'	G	1				



Total 200.7 / 6010 200.8 / 6020: Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Nicolas Christakos		12.5 1349	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Kramer, Jessica	Carrier Tracking No(s): N/A	COC No: 890-6208.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-9166-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 12/11/2025			
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: DUOSONIC 29 FEDERAL 4H RB	Project #: 89000145			
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc(MOD) BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BH 01 0.5' (890-9166-1)	12/4/25	11:00 Mountain	G	Solid			X	X	X	X	X	1	
BH 01 1' (890-9166-2)	12/4/25	11:02 Mountain	G	Solid			X	X	X	X	X	1	
BH 02 0.5' (890-9166-3)	12/4/25	11:00 Mountain	G	Solid			X	X	X	X	X	1	
BH 02 1' (890-9166-4)	12/4/25	11:05 Mountain	G	Solid			X	X	X	X	X	1	
BH 03 0.5' (890-9166-5)	12/4/25	11:55 Mountain	G	Solid			X	X	X	X	X	1	
BH 03 1' (890-9166-6)	12/4/25	11:57 Mountain	G	Solid			X	X	X	X	X	1	
BH 04 0.5' (890-9166-7)	12/4/25	11:55 Mountain	G	Solid			X	X	X	X	X	1	
BH 04 1' (890-9166-8)	12/4/25	11:57 Mountain	G	Solid			X	X	X	X	X	1	
BH 05 0.5' (890-9166-9)	12/4/25	12:07 Mountain	G	Solid			X	X	X	X	X	1	

Preservation Codes: -
Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	12-5 1630		[signature]	12-8-25 800	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Kramer, Jessica	Carrier Tracking No(s): N/A	COC No: 890-6208.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-9166-1
Address: 1211 W. Florida Ave,	Due Date Requested: 12/11/2025			
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: DUOSONIC 29 FEDERAL 4H RB	Project #: 89000145			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACHChloride	8021B/5035FP_Calc(MOD) BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BH 05 1' (890-9166-10)	12/4/25	12:12 Mountain	G	Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	12-5 1630		[signature]	12-8-25 800	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9166-1
SDG Number: Lea County NM

Login Number: 9166
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-9166-1
SDG Number: Lea County NM

Login Number: 9166
List Number: 2
Creator: Dyal, Erica

List Source: Eurofins Midland
List Creation: 12/08/25 12:26 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 12/30/2025 8:16:24 AM Revision 1

JOB DESCRIPTION

Duosonic 29 Federal 4H RB
03F2024002

JOB NUMBER

880-66456-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

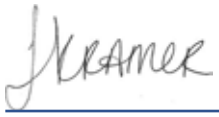
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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12/30/2025 8:16:24 AM
Revision 1

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Laboratory Job ID: 880-66456-1
SDG: 03F2024002

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 880-66456-1
SDG: 03F2024002

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum Job ID: 880-66456-1
Project: Duosonic 29 Federal 4H RB

Job ID: 880-66456-1 Eurofins Midland

Job Narrative
880-66456-1

REVISION

The report being provided is a revision of the original report sent on 12/23/2025. The report (revision 1) is being revised due to Per cleint email, requesting project name correction.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The sample was received on 12/22/2025 5:39 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C.

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-127587 and analytical batch 880-127562 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Hydrocarbons
Method TX_1005: The method blank for preparation batch 880-127547 and analytical batch 880-127568 contained C6-C12 Range Hydrocarbons above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method TX_1005: The matrix spike duplicate (MSD) recoveries for preparation batch 880-127547 and analytical batch 880-127568 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 880-66456-1
SDG: 03F2024002

Client Sample ID: BH13

Date Collected: 12/22/25 12:05
Date Received: 12/22/25 17:39

Lab Sample ID: 880-66456-1

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		12/23/25 11:41	12/23/25 12:49	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		12/23/25 11:41	12/23/25 12:49	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		12/23/25 11:41	12/23/25 12:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		12/23/25 11:41	12/23/25 12:49	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		12/23/25 11:41	12/23/25 12:49	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		12/23/25 11:41	12/23/25 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*12/23/25 11:41*	*12/23/25 12:49*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*12/23/25 11:41*	*12/23/25 12:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00228	mg/Kg			12/23/25 12:49	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	<50.0	U	50.0	17.3	mg/Kg		12/22/25 17:00	12/23/25 13:12	1
>C12-C28 Range Hydrocarbons	<50.0	U	50.0	14.2	mg/Kg		12/22/25 17:00	12/23/25 13:12	1
>C28-C35 Range Hydrocarbons	**61.0**		50.0	14.2	mg/Kg		12/22/25 17:00	12/23/25 13:12	1
Total Petroleum Hydrocarbons (C6-C35)	**61.0**		50.0	17.3	mg/Kg			12/23/25 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*12/22/25 17:00*	*12/23/25 13:12*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*12/22/25 17:00*	*12/23/25 13:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.2**		9.90	0.391	mg/Kg			12/23/25 10:00	1

Surrogate Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 880-66456-1
SDG: 03F2024002

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-66456-1	BH13	93	103
880-66456-1 MS	BH13	105	97
880-66456-1 MSD	BH13	107	98
LCS 880-127587/1-A	Lab Control Sample	114	106
LCSD 880-127587/2-A	Lab Control Sample Dup	107	98
MB 880-127587/5-A	Method Blank	171 S1+	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO (70-130)	OTPH (70-130)
880-66456-1	BH13	99	97
LCS 880-127547/2-A	Lab Control Sample	102	106
LCSD 880-127547/3-A	Lab Control Sample Dup	101	104
MB 880-127547/1-A	Method Blank	125	118

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 880-66456-1
SDG: 03F2024002

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-127587/5-A
Matrix: Solid
Analysis Batch: 127562

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127587

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		12/23/25 11:41	12/23/25 12:20	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		12/23/25 11:41	12/23/25 12:20	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		12/23/25 11:41	12/23/25 12:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		12/23/25 11:41	12/23/25 12:20	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		12/23/25 11:41	12/23/25 12:20	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		12/23/25 11:41	12/23/25 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*171*	*S1+*	*70 - 130*	*12/23/25 11:41*	*12/23/25 12:20*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/23/25 11:41*	*12/23/25 12:20*	*1*

Lab Sample ID: LCS 880-127587/1-A
Matrix: Solid
Analysis Batch: 127562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127587

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1150		mg/Kg		115	70 - 130		
Toluene			0.100	0.1123		mg/Kg		112	70 - 130		
Ethylbenzene			0.100	0.1300		mg/Kg		130	70 - 130		
m-Xylene & p-Xylene			0.200	0.2399		mg/Kg		120	70 - 130		
o-Xylene			0.100	0.1133		mg/Kg		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-127587/2-A
Matrix: Solid
Analysis Batch: 127562

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 127587

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1047		mg/Kg		105	70 - 130	9	35
Toluene			0.100	0.1140		mg/Kg		114	70 - 130	2	35
Ethylbenzene			0.100	0.1144		mg/Kg		114	70 - 130	13	35
m-Xylene & p-Xylene			0.200	0.2370		mg/Kg		118	70 - 130	1	35
o-Xylene			0.100	0.1142		mg/Kg		114	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-66456-1 MS
Matrix: Solid
Analysis Batch: 127562

Client Sample ID: BH13
Prep Type: Total/NA
Prep Batch: 127587

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09271		mg/Kg		93	70 - 130		
Toluene	<0.00200	U	0.100	0.09751		mg/Kg		98	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 880-66456-1
SDG: 03F2024002

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-66456-1 MS
Matrix: Solid
Analysis Batch: 127562

Client Sample ID: BH13
Prep Type: Total/NA
Prep Batch: 127587

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09362		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1835		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U	0.100	0.1009		mg/Kg		101	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-66456-1 MSD
Matrix: Solid
Analysis Batch: 127562

Client Sample ID: BH13
Prep Type: Total/NA
Prep Batch: 127587

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09563		mg/Kg		96	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.09084		mg/Kg		91	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.08958		mg/Kg		90	70 - 130	4	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1777		mg/Kg		89	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.09575		mg/Kg		96	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 880-127547/1-A
Matrix: Solid
Analysis Batch: 127568

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127547

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	18.37	J	50.0	17.4	mg/Kg		12/22/25 17:00	12/23/25 08:26	1
>C12-C28 Range Hydrocarbons	<50.0	U	50.0	14.3	mg/Kg		12/22/25 17:00	12/23/25 08:26	1
>C28-C35 Range Hydrocarbons	<50.0	U	50.0	14.3	mg/Kg		12/22/25 17:00	12/23/25 08:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*125*		*70 - 130*	*12/22/25 17:00*	*12/23/25 08:26*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*12/22/25 17:00*	*12/23/25 08:26*	*1*

Lab Sample ID: LCS 880-127547/2-A
Matrix: Solid
Analysis Batch: 127568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127547

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C12 Range Hydrocarbons	1000	803.6		mg/Kg		80	75 - 125
>C12-C28 Range Hydrocarbons	1000	1038		mg/Kg		104	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*102*		*70 - 130*

Eurofins Midland

QC Sample Results

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 880-66456-1
SDG: 03F2024002

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: LCS 880-127547/2-A
Matrix: Solid
Analysis Batch: 127568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127547

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-127547/3-A
Matrix: Solid
Analysis Batch: 127568

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 127547

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C12 Range Hydrocarbons			1000	759.4		mg/Kg		76	75 - 125	6	25
>C12-C28 Range Hydrocarbons			1000	1015		mg/Kg		101	75 - 125	2	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	*101*		*70 - 130*
o-Terphenyl (Surr)	*104*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-127549/1-A
Matrix: Solid
Analysis Batch: 127550

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			12/23/25 03:22	1

Lab Sample ID: LCS 880-127549/2-A
Matrix: Solid
Analysis Batch: 127550

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	254.7		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-127549/3-A
Matrix: Solid
Analysis Batch: 127550

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	255.9		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 880-66456-1
SDG: 03F2024002

GC VOA

Analysis Batch: 127562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66456-1	BH13	Total/NA	Solid	8021B	127587
MB 880-127587/5-A	Method Blank	Total/NA	Solid	8021B	127587
LCS 880-127587/1-A	Lab Control Sample	Total/NA	Solid	8021B	127587
LCSD 880-127587/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	127587
880-66456-1 MS	BH13	Total/NA	Solid	8021B	127587
880-66456-1 MSD	BH13	Total/NA	Solid	8021B	127587

Prep Batch: 127587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66456-1	BH13	Total/NA	Solid	5035	
MB 880-127587/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-127587/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-127587/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-66456-1 MS	BH13	Total/NA	Solid	5035	
880-66456-1 MSD	BH13	Total/NA	Solid	5035	

Analysis Batch: 127623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66456-1	BH13	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 127547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66456-1	BH13	Total/NA	Solid	TX_1005_S_Prep	
MB 880-127547/1-A	Method Blank	Total/NA	Solid	TX_1005_S_Prep	
LCS 880-127547/2-A	Lab Control Sample	Total/NA	Solid	TX_1005_S_Prep	
LCSD 880-127547/3-A	Lab Control Sample Dup	Total/NA	Solid	TX_1005_S_Prep	

Analysis Batch: 127568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66456-1	BH13	Total/NA	Solid	TX 1005	127547
MB 880-127547/1-A	Method Blank	Total/NA	Solid	TX 1005	127547
LCS 880-127547/2-A	Lab Control Sample	Total/NA	Solid	TX 1005	127547
LCSD 880-127547/3-A	Lab Control Sample Dup	Total/NA	Solid	TX 1005	127547

Analysis Batch: 127654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66456-1	BH13	Total/NA	Solid	TX 1005	

HPLC/IC

Leach Batch: 127549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66456-1	BH13	Soluble	Solid	DI Leach	
MB 880-127549/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-127549/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-127549/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 880-66456-1
SDG: 03F2024002

HPLC/IC

Analysis Batch: 127550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66456-1	BH13	Soluble	Solid	300.0	127549
MB 880-127549/1-A	Method Blank	Soluble	Solid	300.0	127549
LCS 880-127549/2-A	Lab Control Sample	Soluble	Solid	300.0	127549
LCSD 880-127549/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	127549

Lab Chronicle

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 880-66456-1
SDG: 03F2024002

Client Sample ID: BH13

Date Collected: 12/22/25 12:05
Date Received: 12/22/25 17:39

Lab Sample ID: 880-66456-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			127587	MNR	EET MID	12/23/25 11:41
Total/NA	Analysis	8021B		1	127562	MNR	EET MID	12/23/25 12:49
Total/NA	Analysis	Total BTEX		1	127623	SA	EET MID	12/23/25 12:49
Total/NA	Prep	TX_1005_S_Prep			127547	EL	EET MID	12/22/25 17:00
Total/NA	Analysis	TX 1005		1	127568	SA	EET MID	12/23/25 13:12
Total/NA	Analysis	TX 1005		1	127654	SA	EET MID	12/23/25 13:12
Soluble	Leach	DI Leach			127549	SMC	EET MID	12/23/25 08:00
Soluble	Analysis	300.0		1	127550	SMC	EET MID	12/23/25 10:00

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 880-66456-1
SDG: 03F2024002

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 880-66456-1
SDG: 03F2024002

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
TX_1005_S_Prep	Extraction - Texas Total petroleum Hyrdocarbons	TCEQ	EET MID

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure
TCEQ = Texas Commission of Environmental Quality

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Ensolum
Project/Site: Duosonic 29 Federal 4H RB

Job ID: 880-66456-1
SDG: 03F2024002

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-66456-1	BH13	Solid	12/22/25 12:05	12/22/25 17:39	Texas

eurofins | Environment Testing Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

www.xenco.com Page _____ of _____

Project Manager:	Kalei Jennings	Bill to: (if different)	Ensolum
Company Name:	Ensolum, LLC	Company Name:	Kalei Jennings
Address:	601 N Marienfeld St Ste 400	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:		Email:	Kjennings@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Duosonic 29 Federal 1	Turn Around	
Project Number:	03F7024007	☐ Routine ☑ Rush	
Project Location:		Due Date: 24hr	
Sampler's Name:	Tabitha Guadian	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	03F7024007		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	114
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.3
Total Containers:		Corrected Temperature:	0.2

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX	TPH	Chlorides	Sample Comments
BH13	S	12/22/25	1205	0.5	C	1		X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		12/22/25 1739	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-66456-1
SDG Number: 03F2024002

Login Number: 66456
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 539338

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 539338
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2526948813**
Incident Name	**NAPP2526948813 DUOSONIC 29 FED 4H RB @ FAPP2203529513**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fAPP2203529513] DUOSONIC 29 FED 4H RB**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	DUOSONIC 29 FED 4H RB
Date Release Discovered	09/26/2025
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Normal Operations | Pump | Produced Water | Released: 25 BBL | Recovered: 25 BBL | Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 539338
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 12/31/2025

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 539338
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	616
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	61
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	12/04/2025
On what date will (or did) the final sampling or liner inspection occur	12/22/2025
On what date will (or was) the remediation complete(d)	12/22/2025
What is the estimated surface area (in square feet) that will be reclaimed	200
What is the estimated volume (in cubic yards) that will be reclaimed	1
What is the estimated surface area (in square feet) that will be remediated	200
What is the estimated volume (in cubic yards) that will be remediated	1
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 539338
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 12/31/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 539338
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 539338
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**535923**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**12/22/2025**
What was the (estimated) number of samples that were to be gathered	**1**
What was the sampling surface area in square feet	**200**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	200
What was the total volume (cubic yards) remediated	1
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	200
What was the total volume (in cubic yards) reclaimed	1
Summarize any additional remediation activities not included by answers (above)	excavation of impacted and waste-containing soil. Depth to groundwater verified to be greater than 100 feet below ground surface per requirements of approved Remediation Work Plan.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 12/31/2025

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 539338
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 539338
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	1/14/2026