ENSOLUM

October 10, 2022

District I
New Mexico Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

Re: Closure Request
Eata Fajita B CTB
Incident Number NAPP2220244157
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 site assessment, excavation, and soil sampling activities performed at the Eata Fajita B CTB (Site). The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil resulting from a release of crude oil and produced water within the lined tank battery containment and onto the Site's pad. Based on field observations, excavation activities, and laboratory analytical results from the soil sampling events, COG is submitting this Closure Request, describing remediation that has occurred and requesting no further action for Incident Number NAPP2220244157.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit O, Section 8, Township 24 South, Range 33 East, in Lea County, New Mexico (32.22607° N, 103.59196° W) and is associated with oil and gas exploration and production operations on New Mexico State Land.

On July 12, 2022, a gasket failed on the production knockout tank, resulting in the release of approximately 15.42 barrels (bbls) of crude oil and 46.25 bbls of produced water into the lined containment and onto the surface of the well pad. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 10 bbls of crude oil and 5 bbls of produced water were recovered. COG reported the release immediately via email to the New Mexico Oil Conservation Division (NMOCD) on July 13, 2022 and submitted a Release Notification Form C-141 (Form C-141) on July 21, 2022. The release was assigned Incident Number NAPP2220244157.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to

groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-3565 POD 3, located approximately 0.1 miles northeast of the Site. The groundwater well has a reported depth to groundwater greater than 1,533 feet bgs and a total depth of 1,533 feet bgs. Ground surface elevation at the groundwater well location is 3,600 feet above mean sea level (amsl), which is approximately 2 feet higher in elevation than the Site. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an emergent wetland, located approximately 4,245 feet northeast 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 not within a 100-year floodplain or overlying a subsurface mine. The Site is less than 1,000 feet to a freshwater well or spring; however, the well has been properly plugged and abandoned based on information provided in Appendix A. The well was plugged and is not a conduit. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table 1 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)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

SITE ASSESMENT ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

On August 2, 2022, site assessment activities were conducted to evaluate the release extent based on information provided on the Form C-141 and visual observations. Three preliminary assessment soil samples (SS01 through SS03) were collected within the release extent at a depth of 0.5 feet bgs, to assess surficial soil withi the immediate release extent. The preliminary soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The visible release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. A photographic log 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 at or below 4 degrees Celsius (°C) under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH- GRO, TPH- DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for preliminary soil sample SS03 indicated the TPH concentration exceeded the Site Closure Criteria. Laboratory analytical results for preliminary soil samples SS01 and SS02 indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria. Based on visible staining in the release area and laboratory analytical results for preliminary soil sample SS03 excavation activities appeared to bewarranted.

DELINEATION ACTIVITIES AND ANALYTICAL RESULTS

A 48-hour advance notice of liner inspection was provided via email on August 22, 2022 to the NMOCD District I office. A liner integrity inspection was conducted by Ensolum personnel on August 25, 2022 following fluid recovery, and upon inspection, the liner was determined to be insufficient.

Between September 15 and September 28, 2022, Ensolum personnel were at the Site to perform delineation activities. One borehole (BH01) was advanced via hand-auger at the location of the tear in the liner identified during the liner integrity inspection. Five discrete delineation soil samples (BH01 through BH01D) were collected from the borehole at depths ranging from 0.5 feet to 8 feet bgs before encountering auger refusal. Soil from the delineation samples was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips, respectively. Field screening results and observations from the borehole were documented on a lithologic/soil sampling log, which is included in Appendix C. The borehole was backfilled with soil removed and the tear in the liner was repaired. On September 15 and September 28, 2022, four assessment samples (SS04 through SS07) were collected around the release extent at a depth of 0.5 feet bgs to confirm the lateral extent of the release. The borehole and delineation soil sample locations are depicted on Figure 3.

Laboratory analytical results for the delineation samples from borehole BH01, collected at depths ranging from 0.5 feet to 8 feet bgs, indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria. Laboratory analytical results for the soil samples SS04 through SS07, collected around the release extent, were compliant with the Site Closure Criteria.

EXCAVATION ACTIVITIES AND ANALYTICAL RESULTS

Upon completion of delineation activities, impacted soil was excavated as indicated by visible staining and laboratory analytical results for the preliminary soil sample SS03. Excavation activities were performed using track-mounted backhoe, hydrovac, and transport vehicles. To direct excavation activities, soil was screened for VOCs and chloride. The excavation was completed to a depth of 2 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Following removal of the impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS04 were collected from the floor of the excavation at a depth of 2 feet bgs. Composite soil samples SW01 and SW02 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 2 feet bgs. The excavation soil samples were handled and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 4.

The excavation measured approximately 770 square feet. A total of approximately 57 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico.

Laboratory analytical results for excavation floor samples FS01 through FS04, and sidewall samples SW01 and SW02 indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

Following the failed liner integrity inspection at the Site, Ensolum personnel advanced one borehole (BH01) at the location of the tear in the liner to assess for the presence or absence of impacted soil resulting from the July 12, 2022, crude oil and produced water release within the lined containment and onto the surface of the well pad. The release was contained vertically by the lined containment. The tear in the liner was subsequently repaired. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria. Based on the soil sample analytical results, no further remediation was required. COG will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions.

Excavation of impacted soil has mitigated impacts at this Site. COG believes the remedial actions are protective of human health, the environment, and groundwater. As such, COG respectfully requests closure for Incident Number NAPP2220244157. The Final C-141 is included in Appendix F.

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

Sincerely,
Ensolum, LLC

Hadlie Green
Staff Geologist

Kalei Jennings
Senior Scientist

cc: Charles Beauvais, COG Operating, LLC
New Mexico State Land Office

Appendices:

Figure 1	Site Location Map
Figure 2	Preliminary Soil Sample Locations
Figure 3	Delineation Soil Sample Locations
Figure 4	Excavation 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
Appendix E	NMOCD Sample Notification
Appendix F	Final C-141

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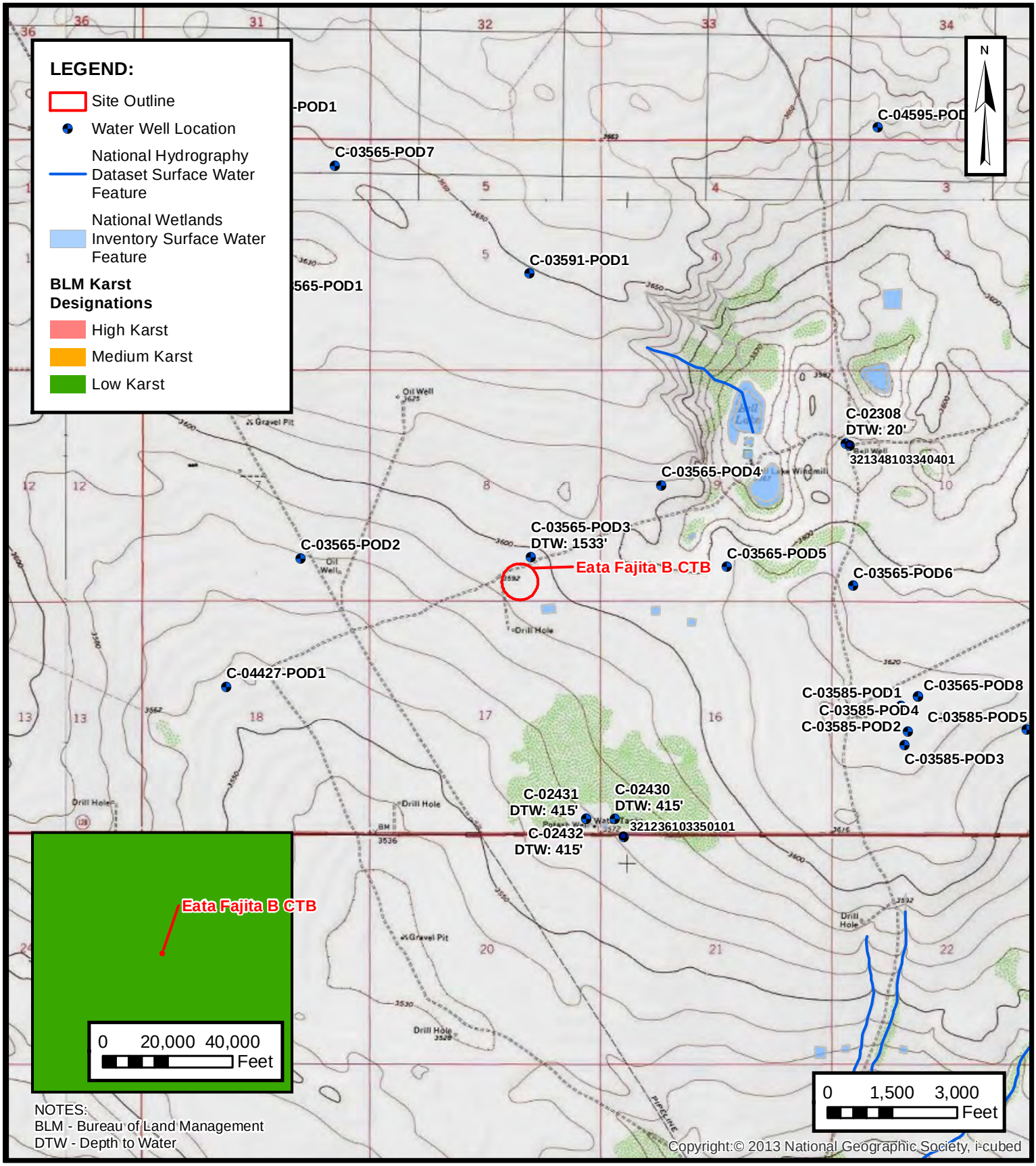
FIGURES



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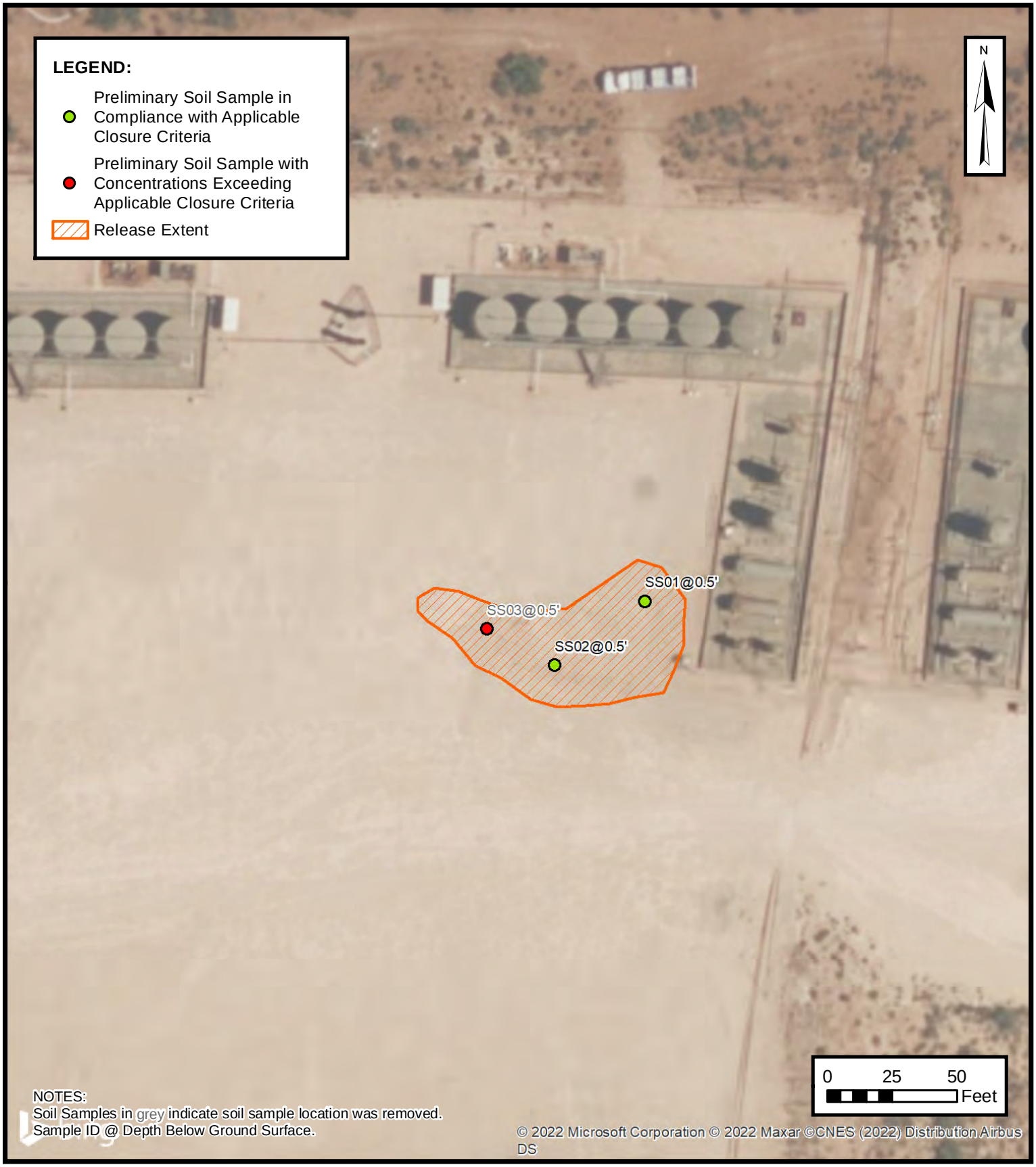
SITE RECEPTOR MAP

COG OPERATING, LLC
EATA FAJITA B CTB
NAPP2220244157
Unit O, Sec 08, T24S, R33E
Lea County, New Mexico

FIGURE
1



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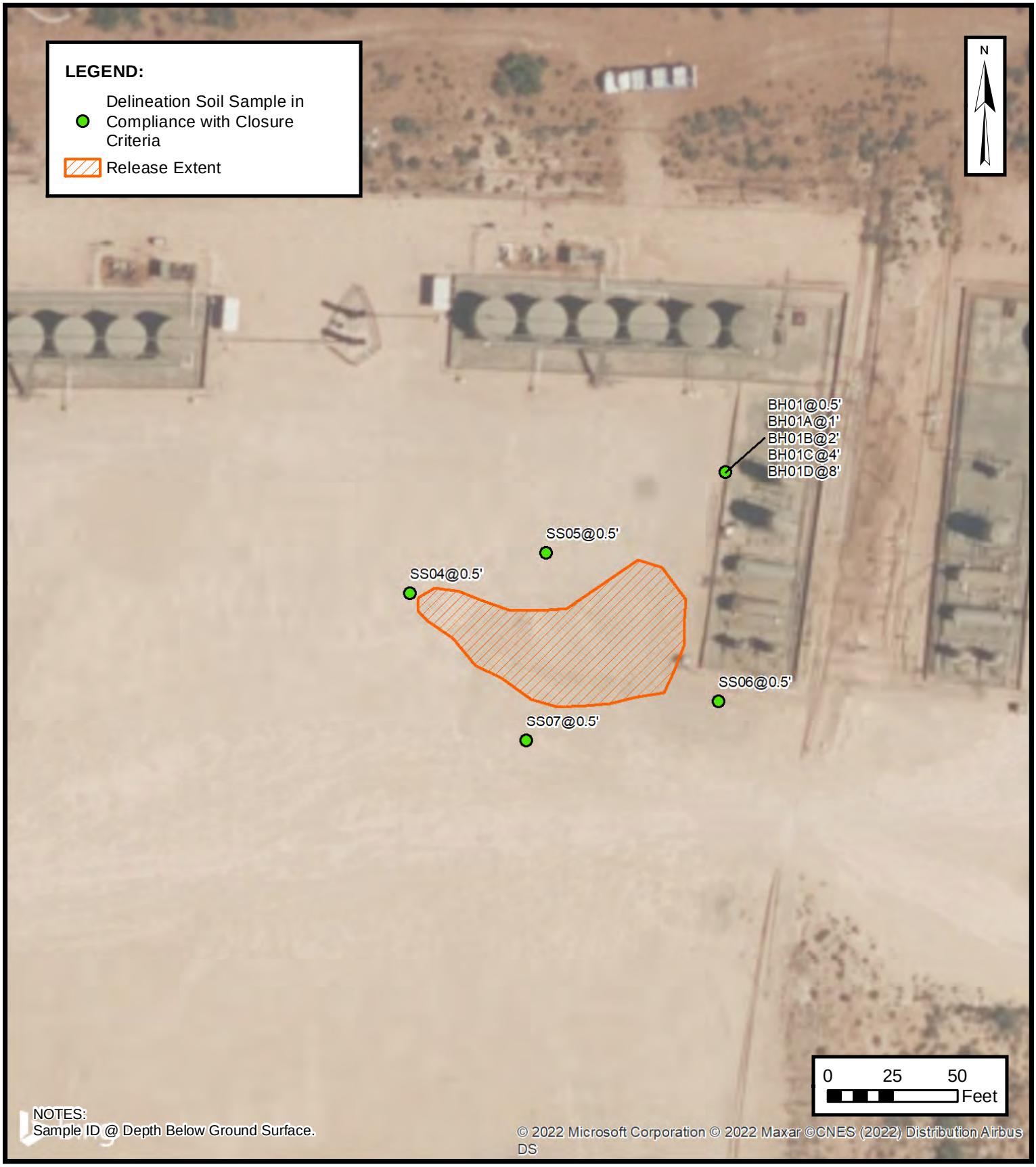
PRELIMINARY SOIL SAMPLE LOCATIONS

COG OPERATING, LLC
EATA FAJITA B CTB
NAPP2220244157
Unit O, Sec 08, T24S, R33E
Lea County, New Mexico

FIGURE

2



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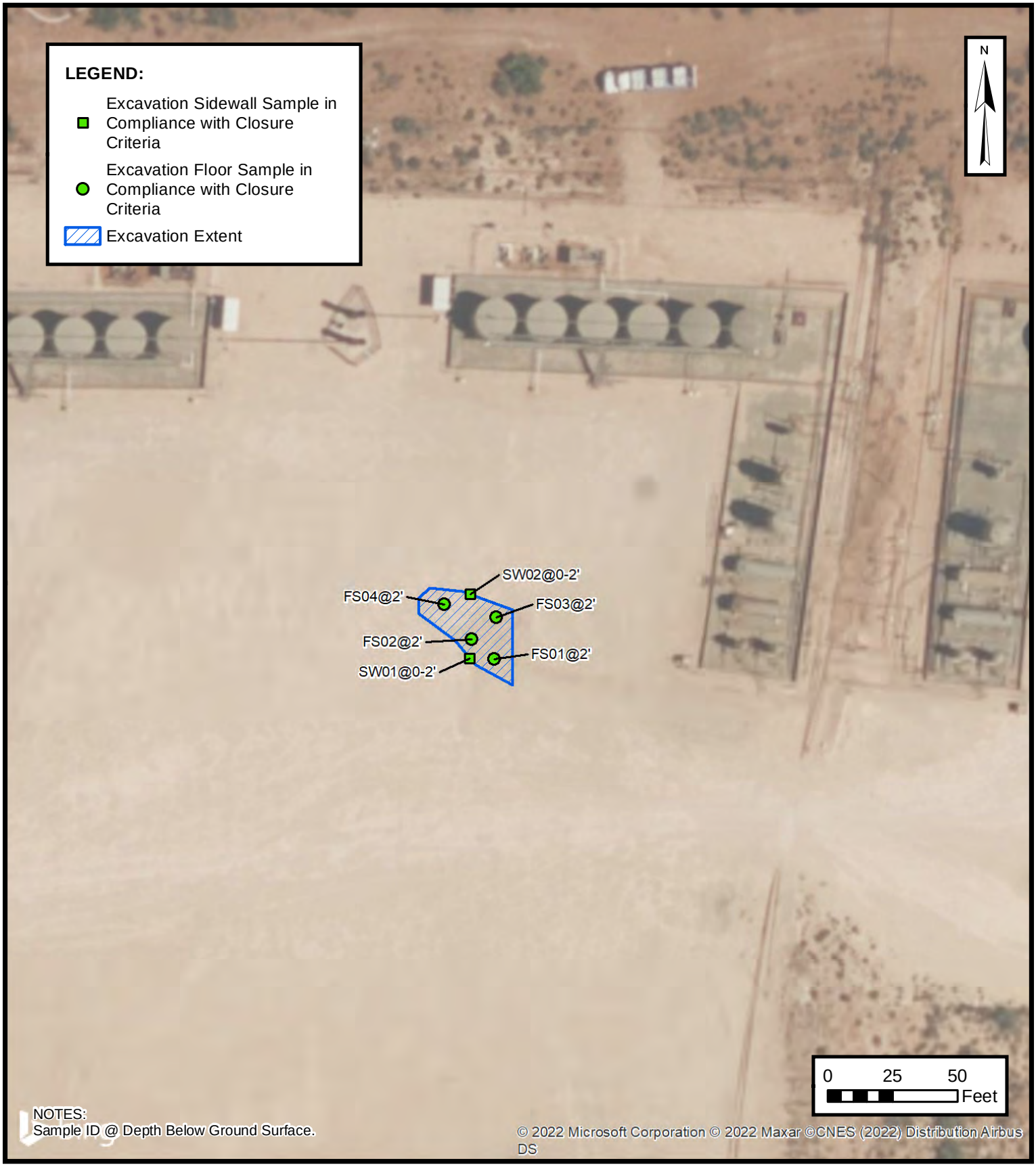
DELINEATION SOIL SAMPLE LOCATIONS

COG OPERATING, LLC
EATA FAJITA B CTB
NAPP2220244157
Unit O, Sec 08, T24S, R33E
Lea County, New Mexico

FIGURE
3



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EXCAVATION SOIL SAMPLE LOCATIONS

COG OPERATING, LLC
EATA FAJITA B CTB
NAPP2220244157
Unit O, Sec 08, T24S, R33E
Lea County, New Mexico

FIGURE

4

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Eata Fajita B CTB
COG Operating, LLC
Lea County, New Mexico

Sample I.D.	Sample Date	Sample 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 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Preliminary Soil Samples										
SS01	08/02/2022	0.5	<0.00199	<0.00398	<49.9	92.2	<49.9	92.2	92.2	2,990
SS02	08/02/2022	0.5	<0.00199	<0.00398	<49.9	107	<49.9	107	107	4,880
SS03	08/02/2022	0.5	<0.00200	0.190	106	2,940	304	**3,046**	**3,350**	198
Delineation Soil Samples										
BH01	09/15/2022	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	11.7
BH01A	09/15/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	15.1
BH01B	09/15/2022	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	16.7
BH01C	09/15/2022	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	114
BH01D	09/15/2022	8	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	100
SS04	09/15/2022	0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	91.7
SS05	09/28/2022	0.5	<0.00201	<0.00402	<49.8	836	<49.8	836	836	292
SS06	09/28/2022	0.5	<0.00199	<0.00398	<49.9	329	<49.9	329	329	208
SS07	09/28/2022	0.5	<0.00200	<0.00399	<49.9	310	<49.9	310	310	199
Excavation Floor Soil Samples										
FS01	09/28/2022	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	101
FS02	09/28/2022	2	<0.00200	<0.00399	<50.0	198	<50.0	198	198	67.1
FS03	09/28/2022	2	<0.00199	0.00403	<50.0	142	<50.0	142	142	65.8
FS04	09/28/2022	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	156
Excavation Sidewall Soil Samples										
SW01	09/28/2022	0 - 2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	19.3
SW02	09/28/2022	0 - 2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	17.2

Notes:

bgs: below ground surface
mg/kg: milligrams per kilogram
NMOCD: New Mexico Oil Conservation Division
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
Concentrations in bold exceed the NMOCD Table 1 Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon

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APPENDIX A

Referenced Well Records

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

2012 DEC 11 P 4: 02

1. GENERAL AND WELL LOCATION

POD NUMBER (WELL NUMBER)	OSE FILE NUMBER(S)
ICP-085	C-3565 POD 3
WELL OWNER NAME(S)	PHONE (OPTIONAL)
Intercontinental Potash (USA)	575-942-2799
WELL OWNER MAILING ADDRESS	CITY / STATE / ZIP
600 West Bender Boulevard	Hobbs / NM / 88240

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	13	39.75	N
	LONGITUDE	103	35	27.62	W

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

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS

2. OPTIONAL

(2.5 ACRE)	(10 ACRE)	(40 ACRE)	(160 ACRE)	SECTION	TOWNSHIP	RANGE
¼	¼	¼	¼	8	24 ☐ NORTH ☑ SOUTH	33 ☑ EAST ☐ WEST

SUBDIVISION NAME	LOT NUMBER	BLOCK NUMBER	UNIT/TRACT

HYDROGRAPHIC SURVEY	MAP NUMBER	TRACT NUMBER

3. DRILLING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD #331	Phillip Stewart	Stewart Brothers Drilling Co.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
9/27/2012	10/21/2012	NA	1533 FT	NA

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): NA

DRILLING FLUID: ☐ AIR ☑ MUD ☐ ADDITIVES – SPECIFY: ETH GEL, PLATINUM PAC, BI-CARB, SODA ASH,

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY: TACKLE, MYLOGEL, NaCl

DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA. CASING (IN)	CASING WALL THICKNESS (IN)	SLOT SIZE (IN)
0	1250	12.625	J-55 #36 steel	theaded	8.921	0.302	
1250	1533	8.75	NA				

4. WATER BEARING STRATA

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	YIELD (GPM)
NA		NA	NA	NA

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA	TOTAL ESTIMATED WELL YIELD (GPM)
Bypass flow	na

FOR OSE INTERNAL USE — WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER	POD NUMBER	TRN NUMBER
LOCATION		PAGE 1 OF 2

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2012 DEC 11 P 1:03

5. SEAL AND PUMP

TYPE OF PUMP: ☐ SUBMERSIBLE ☐ JET ☑ NO PUMP – WELL NOT EQUIPPED
☐ TURBINE ☐ CYLINDER ☐ OTHER – SPECIFY:

ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
	NA		NA	NA	NA	NA

6. GEOLOGIC LOG OF WELL

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?
0	20	20	Caliche	☐ YES ☑ NO
20	55	35	Gutuna Fm. - red siltstones and sandstones	☐ YES ☑ NO
55	1227	1181	Dewey Lake Fm.Red siltstones and mudstones, gray/green mottling	☐ YES ☑ NO
1227	1262	35	Rustler Fm./A-5, white anhydrite	☐ YES ☑ NO
1262	1295	33	H-4 sub-mbr. - milky white halite	☐ YES ☑ NO
1295	1310	15	A-4 sub-mbr. - white anhydrite	☐ YES ☑ NO
1310	1330	20	Magenta Dolomite	☐ YES ☑ NO
1330	1375	45	A-3 sub-mbr. white anhydrite	☐ YES ☑ NO
1375	1479	112	H-3 sub-mbr. - milky halite	☐ YES ☑ NO
1479	1489	10	Ore zone, anhydrite and white polyhalite	☐ YES ☑ NO
1489	1533	44	Halite, with some anhydrite	☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO

ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL

7. TEST & ADDITIONAL INFO

WELL TEST: METHOD: ☐ BAILER ☐ PUMP ☐ AIR LIFT ☐ OTHER – SPECIFY: NA

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

ADDITIONAL STATEMENTS OR EXPLANATIONS:

8. 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 20 DAYS AFTER COMPLETION OF WELL DRILLING:

Rodney D. Stout — SIGNATURE OF DRILLER

12-10-12 — DATE

FOR OSE INTERNAL USE — WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER	POD NUMBER	TRN NUMBER
LOCATION		PAGE 2 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

2012 DEC 11 P 4: 02

1. GENERAL AND WELL LOCATION

POD NUMBER (WELL NUMBER)	OSE FILE NUMBER(S)
ICP-085	C-3565 POD 3
WELL OWNER NAME(S)	**PHONE (OPTIONAL)**
Intercontinental Potash (USA)	575-942-2799
WELL OWNER MAILING ADDRESS	**CITY / STATE / ZIP**
600 West Bender Boulevard	Hobbs / NM / 88240

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	13	39.75	N
	LONGITUDE	103	35	27.62	W

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

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS

2. OPTIONAL

(2.5 ACRE)	(10 ACRE)	(40 ACRE)	(160 ACRE)	SECTION	TOWNSHIP	RANGE
¼	¼	¼	¼	8	24 ☐ NORTH ☑ SOUTH	33 ☑ EAST ☐ WEST

SUBDIVISION NAME	LOT NUMBER	BLOCK NUMBER	UNIT/TRACT

HYDROGRAPHIC SURVEY	MAP NUMBER	TRACT NUMBER

3. DRILLING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD #331	Phillip Stewart	Stewart Brothers Drilling Co.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
9/27/2012	10/21/2012	NA	1533 FT	NA

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): NA

DRILLING FLUID: ☐ AIR ☑ MUD ☐ ADDITIVES - SPECIFY: ETH GEL, PLATINUM PAC, BI-CARB, SODA ASH,

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY: TACKLE, MYLOGEL, NaCl

DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA. CASING (IN)	CASING WALL THICKNESS (IN)	SLOT SIZE (IN)
0	1250	12.625	J-55 #36 steel	theaded	8.921	0.302	
1250	1533	8.75	NA				

4. WATER BEARING STRATA

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	YIELD (GPM)
NA		NA	NA	NA

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA	TOTAL ESTIMATED WELL YIELD (GPM)
Bypass flow	na

FOR OSE INTERNAL USE — WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER	POD NUMBER	TRN NUMBER
LOCATION		PAGE 1 OF 2

5. SEAL AND PUMP

TYPE OF PUMP: ☐ SUBMERSIBLE ☐ JET ☑ NO PUMP – WELL NOT EQUIPPED
☐ TURBINE ☐ CYLINDER ☐ OTHER – SPECIFY:

ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
	NA		NA	NA	NA	NA

6. GEOLOGIC LOG OF WELL

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?
0	20	20	Caliche	☐ YES ☑ NO
20	55	35	Gutuna Fm. - red siltstones and sandstones	☐ YES ☑ NO
55	1227	1181	Dewey Lake Fm.Red siltstones and mudstones, gray/green mottling	☐ YES ☑ NO
1227	1262	35	Rustler Fm./A-5, white anhydrite	☐ YES ☑ NO
1262	1295	33	H-4 sub-mbr. - milky white halite	☐ YES ☑ NO
1295	1310	15	A-4 sub-mbr. - white anhydrite	☐ YES ☑ NO
1310	1330	20	Magenta Dolomite	☐ YES ☑ NO
1330	1375	45	A-3 sub-mbr. white anhydrite	☐ YES ☑ NO
1375	1479	112	H-3 sub-mbr. - milky halite	☐ YES ☑ NO
1479	1489	10	Ore zone, anhydrite and white polyhalite	☐ YES ☑ NO
1489	1533	44	Halite, with some anhydrite	☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO

ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL

7. TEST & ADDITIONAL INFO

WELL TEST — METHOD: ☐ BAILER ☐ PUMP ☐ AIR LIFT ☐ OTHER – SPECIFY: NA

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

ADDITIONAL STATEMENTS OR EXPLANATIONS:

8. 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 20 DAYS AFTER COMPLETION OF WELL DRILLING:

Rusty D. Hurd — SIGNATURE OF DRILLER

12-10-12 — DATE

FOR OSE INTERNAL USE — WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER	POD NUMBER	TRN NUMBER
LOCATION		PAGE 2 OF 2

2017 DEC 11 P 4:02

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

WELL PLUGGING PLAN OF OPERATIONS

C-3565 POD3

NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP:

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: ICP-085

Name of well owner: Intercontinental Potash Corp USA

Mailing address: 600 West Bender Blvd

City: Hobbs State: NM Zip code: 88240

Phone number: 575.942.2799 E-mail: tcope@icpotash.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: Stewart Brothers

New Mexico Well Driller License No.: WD#331 Expiration Date: 8/31/2013

IV. WELL INFORMATION:

Note: A copy of the existing Well Record for the well to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: 32 deg, 13 min, 39.74755 sec N
Longitude: 103 deg, 35 min, 27.61562 sec W, NAD 83

2) Reason(s) for plugging well: Core to ore zone, abandon borehole

3) Was well used for any type of monitoring program? No If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? No If yes, provide additional detail, including analytical results and/or laboratory report(s):

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 321236103350101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

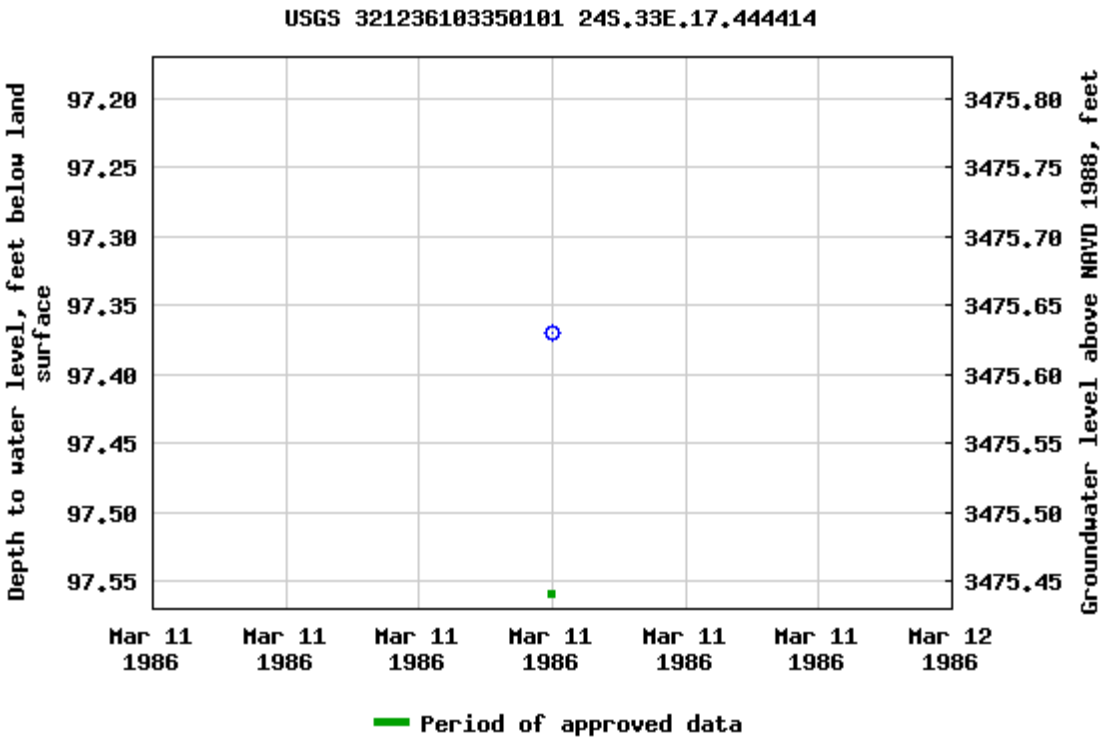
USGS 321236103350101 24S.33E.17.444414

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°12'36", Longitude 103°35'01" NAD27
Land-surface elevation 3,573 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

ENSOLUM

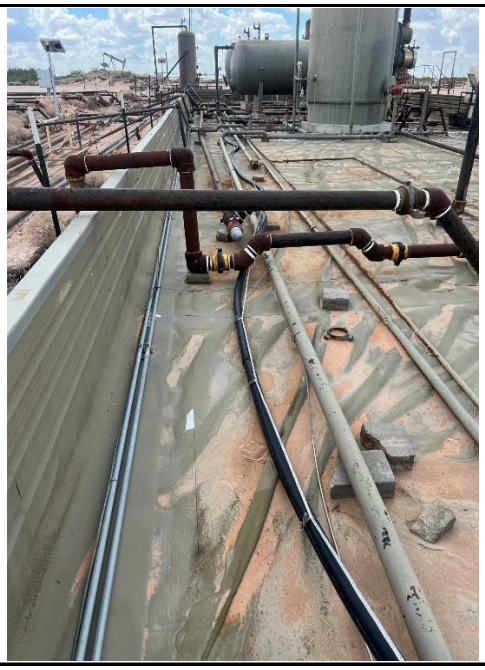
APPENDIX B

Photographic Log

ENSOLUM

Photographic Log
COG Operating, LLC
Eata Fajita B CTB
Incident Number NAPP2220244157

Photograph 1 Date: 08/02/2022
Description: Photo of release extent taken during initial site assessment, facing northeast.



Photograph 2 Date: 08/25/2022
Description: Photo of liner taken during liner inspection, facing south.

Photograph 3 Date: 09/15/2022
Description: Photo of location of BH01 taken during liner delineation, facing east.

Photograph 4 Date: 09/28/2022
Description: Photo of excavation extent, facing northeast.

ENSOLUM

APPENDIX C

Lithologic Soil Sampling Logs

ENSOLUM

	Sample Name: BH01	Date: 09/15/2022
	Site Name: Eata Fajita B CTB	
	Incident Number: NAPP2220244157	
	Job Number: 03D2024075	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: LC	Method: Hand Auger
Coordinates: 32.226214, -103.591659	Hole Diameter: 4"	Total Depth: 8'

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.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
D	<168	0.3	N	BH01	0.5	0.5	CCHE	CALICHE, tan, abundant limestone clasts, no odor, no stain, dry.
M	<168	0.1	N	BH01A	1	1	CCHE	SAA
M	<168	0.0	N	BH01B	2	2	SM	SILTY SAND, reddish brown, fine grain, no stain, no odor.
M	<168	0.0	N			3	SM	SAA
M	<168	0.0	N	BH01C	4	4	SM	SAA
						5		
						6		
						7		
M	<168	0.0	N	BH01D	8	8	SM	SAA

TD @ 8 feet bgs

ENSOLUM

APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2706-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: Eata Fajita B CTB

For:
Ensolum
705 W. Wadley
Suite 210
Midland, Texas 79701

Attn: Kalei Jennings

JKramer

Authorized for release by:
8/12/2022 7:58:03 AM

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

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Ensolum
Project/Site: Eata Fajita B CTB

Laboratory Job ID: 890-2706-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 890-2706-1
Project/Site: Eata Fajita B CTB SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low 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
Project/Site: Eata Fajita B CTB

Job ID: 890-2706-1
SDG: Lea County NM

Job ID: 890-2706-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2706-1

Receipt
The samples were received on 8/2/2022 3:53 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 3.0°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-31602 and 880-31669 and analytical batch 880-31654 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SS03 (890-2706-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-31669 and analytical batch 880-31654 were outside control limits. Sample matrix interference and/or non-homogeneity are 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.

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS01 (890-2706-1), SS02 (890-2706-2), (890-2706-A-1-B MS) and (890-2706-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SS03 (890-2706-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-31555 and analytical batch 880-31531 were outside control limits. Sample matrix interference and/or non-homogeneity are 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
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-31559 and analytical batch 880-31937 were outside control limits. Sample matrix interference and/or non-homogeneity are 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.

Client Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2706-1
SDG: Lea County NM

Client Sample ID: SS01

Lab Sample ID: 890-2706-1
Matrix: Solid
Date Collected: 08/02/22 12:30
Date Received: 08/02/22 15:53
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/05/22 13:42	08/07/22 19:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/05/22 13:42	08/07/22 19:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/05/22 13:42	08/07/22 19:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/05/22 13:42	08/07/22 19:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/05/22 13:42	08/07/22 19:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/05/22 13:42	08/07/22 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*08/05/22 13:42*	*08/07/22 19:35*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*08/05/22 13:42*	*08/07/22 19:35*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/08/22 16:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**92.2**		49.9		mg/Kg			08/08/22 11:58	1

Method: 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		08/05/22 09:50	08/05/22 21:54	1
Diesel Range Organics (Over C10-C28)	**92.2**	**F1**	49.9		mg/Kg		08/05/22 09:50	08/05/22 21:54	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/05/22 09:50	08/05/22 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*66*	*S1-*	*70 - 130*	*08/05/22 09:50*	*08/05/22 21:54*	*1*
o-Terphenyl	*76*		*70 - 130*	*08/05/22 09:50*	*08/05/22 21:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2990**		24.8		mg/Kg			08/12/22 06:05	5

Client Sample ID: SS02

Lab Sample ID: 890-2706-2
Matrix: Solid
Date Collected: 08/02/22 12:40
Date Received: 08/02/22 15:53
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/05/22 13:42	08/07/22 19:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/05/22 13:42	08/07/22 19:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/05/22 13:42	08/07/22 19:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/05/22 13:42	08/07/22 19:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/05/22 13:42	08/07/22 19:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/05/22 13:42	08/07/22 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*08/05/22 13:42*	*08/07/22 19:56*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2706-1
SDG: Lea County NM

Client Sample ID: SS02

Date Collected: 08/02/22 12:40
Date Received: 08/02/22 15:53
Sample Depth: 0.5

Lab Sample ID: 890-2706-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*08/05/22 13:42*	*08/07/22 19:56*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/08/22 16:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**107**		49.9		mg/Kg			08/08/22 11:58	1

Method: 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		08/05/22 09:50	08/05/22 22:58	1
Diesel Range Organics (Over C10-C28)	**107**		49.9		mg/Kg		08/05/22 09:50	08/05/22 22:58	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/05/22 09:50	08/05/22 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*65*	*S1-*	*70 - 130*	*08/05/22 09:50*	*08/05/22 22:58*	*1*
o-Terphenyl	*76*		*70 - 130*	*08/05/22 09:50*	*08/05/22 22:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4880**		25.2		mg/Kg			08/12/22 06:14	5

Client Sample ID: SS03

Date Collected: 08/02/22 12:50
Date Received: 08/02/22 15:53
Sample Depth: 0.5

Lab Sample ID: 890-2706-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/05/22 13:42	08/07/22 20:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/05/22 13:42	08/07/22 20:16	1
Ethylbenzene	**0.0214**		0.00200		mg/Kg		08/05/22 13:42	08/07/22 20:16	1
m-Xylene & p-Xylene	**0.0961**		0.00401		mg/Kg		08/05/22 13:42	08/07/22 20:16	1
o-Xylene	**0.0726**		0.00200		mg/Kg		08/05/22 13:42	08/07/22 20:16	1
Xylenes, Total	**0.169**		0.00401		mg/Kg		08/05/22 13:42	08/07/22 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*174*	*S1+*	*70 - 130*	*08/05/22 13:42*	*08/07/22 20:16*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/05/22 13:42*	*08/07/22 20:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.190**		0.00401		mg/Kg			08/08/22 16:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3350**		50.0		mg/Kg			08/08/22 11:58	1

Client Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2706-1
SDG: Lea County NM

Client Sample ID: SS03

Date Collected: 08/02/22 12:50
Date Received: 08/02/22 15:53
Sample Depth: 0.5

Lab Sample ID: 890-2706-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	106		50.0		mg/Kg		08/05/22 09:50	08/06/22 04:02	1
Diesel Range Organics (Over C10-C28)	2940		50.0		mg/Kg		08/05/22 09:50	08/06/22 04:02	1
Oil Range Organics (Over C28-C36)	304		50.0		mg/Kg		08/05/22 09:50	08/06/22 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*53*	*S1-*	*70 - 130*	*08/05/22 09:50*	*08/06/22 04:02*	*1*
o-Terphenyl	*52*	*S1-*	*70 - 130*	*08/05/22 09:50*	*08/06/22 04:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	198	F1	4.99		mg/Kg			08/12/22 06:23	1

Surrogate Summary

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2706-1
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)
890-2689-A-13-E MS	Matrix Spike	114	95
890-2689-A-13-F MSD	Matrix Spike Duplicate	120	94
890-2703-A-1-C MS	Matrix Spike	109	95
890-2703-A-1-D MSD	Matrix Spike Duplicate	113	80
890-2706-1	SS01	113	94
890-2706-2	SS02	116	92
890-2706-3	SS03	174 S1+	83
LCS 880-31602/1-A	Lab Control Sample	107	99
LCS 880-31669/1-A	Lab Control Sample	100	99
LCSD 880-31602/2-A	Lab Control Sample Dup	99	97
LCSD 880-31669/2-A	Lab Control Sample Dup	101	101
MB 880-31602/5-A	Method Blank	95	80
MB 880-31669/5-A	Method Blank	130	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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-2706-1	SS01	66 S1-	76
890-2706-1 MS	SS01	68 S1-	67 S1-
890-2706-1 MSD	SS01	63 S1-	65 S1-
890-2706-2	SS02	65 S1-	76
890-2706-3	SS03	53 S1-	52 S1-
LCS 880-31555/2-A	Lab Control Sample	89	96
LCSD 880-31555/3-A	Lab Control Sample Dup	89	97
MB 880-31555/1-A	Method Blank	83	101

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2706-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-31602/5-A
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31602

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/05/22 13:42	08/07/22 13:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/05/22 13:42	08/07/22 13:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/05/22 13:42	08/07/22 13:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/05/22 13:42	08/07/22 13:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/05/22 13:42	08/07/22 13:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/05/22 13:42	08/07/22 13:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*08/05/22 13:42*	*08/07/22 13:44*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/05/22 13:42*	*08/07/22 13:44*	*1*

Lab Sample ID: LCS 880-31602/1-A
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31602

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1073		mg/Kg		107	70 - 130		
Toluene			0.100	0.1053		mg/Kg		105	70 - 130		
Ethylbenzene			0.100	0.1105		mg/Kg		111	70 - 130		
m-Xylene & p-Xylene			0.200	0.2245		mg/Kg		112	70 - 130		
o-Xylene			0.100	0.1208		mg/Kg		121	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-31602/2-A
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31602

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09355		mg/Kg		94	70 - 130	14	35
Toluene			0.100	0.09121		mg/Kg		91	70 - 130	14	35
Ethylbenzene			0.100	0.09177		mg/Kg		92	70 - 130	19	35
m-Xylene & p-Xylene			0.200	0.1821		mg/Kg		91	70 - 130	21	35
o-Xylene			0.100	0.1009		mg/Kg		101	70 - 130	18	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 890-2703-A-1-C MS
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 31602

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F2 F1	0.0998	0.04079	F1	mg/Kg		41	70 - 130		
Toluene	<0.00200	U F2 F1	0.0998	0.04164	F1	mg/Kg		42	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2706-1
SDG: Lea County NM

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

Lab Sample ID: 890-2703-A-1-C MS | **Client Sample ID: Matrix Spike**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 31654 | **Prep Batch: 31602**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F2 F1	0.0998	0.04162	F1	mg/Kg		42	70 - 130
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.07188	F1	mg/Kg		36	70 - 130
o-Xylene	<0.00200	U F2 F1	0.0998	0.05817	F1	mg/Kg		58	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-2703-A-1-D MSD | **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 31654 | **Prep Batch: 31602**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.100	0.002587	F2 F1	mg/Kg		3	70 - 130	176	35
Toluene	<0.00200	U F2 F1	0.100	0.003991	F2 F1	mg/Kg		4	70 - 130	165	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.004040	F2 F1	mg/Kg		4	70 - 130	165	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.201	<0.00402	U F2 F1	mg/Kg		1	70 - 130	185	35
o-Xylene	<0.00200	U F2 F1	0.100	0.01486	F2 F1	mg/Kg		15	70 - 130	119	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*

Lab Sample ID: MB 880-31669/5-A | **Client Sample ID: Method Blank**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 31654 | **Prep Batch: 31669**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/07/22 12:02	08/08/22 00:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/07/22 12:02	08/08/22 00:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/07/22 12:02	08/08/22 00:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		08/07/22 12:02	08/08/22 00:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/07/22 12:02	08/08/22 00:21	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/07/22 12:02	08/08/22 00:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*08/07/22 12:02*	*08/08/22 00:21*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*08/07/22 12:02*	*08/08/22 00:21*	*1*

Lab Sample ID: LCS 880-31669/1-A | **Client Sample ID: Lab Control Sample**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 31654 | **Prep Batch: 31669**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1009		mg/Kg		101	70 - 130
Toluene	0.100	0.09893		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09835		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1984		mg/Kg		99	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2706-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-31669/1-A
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31669

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1126		mg/Kg		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-31669/2-A
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31669

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1023		mg/Kg		102	70 - 130	1	35
Toluene			0.100	0.1004		mg/Kg		100	70 - 130	2	35
Ethylbenzene			0.100	0.1014		mg/Kg		101	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2043		mg/Kg		102	70 - 130	3	35
o-Xylene			0.100	0.1134		mg/Kg		113	70 - 130	1	35

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

Lab Sample ID: 890-2689-A-13-E MS
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 31669

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U	0.100	0.1058		mg/Kg		105	70 - 130		
Toluene	<0.00202	U	0.100	0.1129		mg/Kg		112	70 - 130		
Ethylbenzene	<0.00202	U	0.100	0.1179		mg/Kg		117	70 - 130		
m-Xylene & p-Xylene	<0.00403	U	0.201	0.2446		mg/Kg		122	70 - 130		
o-Xylene	<0.00202	U F1	0.100	0.1369	F1	mg/Kg		136	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-2689-A-13-F MSD
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 31669

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.1039		mg/Kg		104	70 - 130	2	35
Toluene	<0.00202	U	0.100	0.1120		mg/Kg		112	70 - 130	1	35
Ethylbenzene	<0.00202	U	0.100	0.1218		mg/Kg		122	70 - 130	3	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.2532		mg/Kg		126	70 - 130	3	35
o-Xylene	<0.00202	U F1	0.100	0.1413	F1	mg/Kg		141	70 - 130	3	35

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2706-1
SDG: Lea County NM

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

Lab Sample ID: 890-2689-A-13-F MSD
Matrix: Solid
Analysis Batch: 31654

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 31669

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-31555/1-A
Matrix: Solid
Analysis Batch: 31531

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31555

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		08/05/22 09:50	08/05/22 20:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/05/22 09:50	08/05/22 20:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/05/22 09:50	08/05/22 20:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	08/05/22 09:50	08/05/22 20:48	1
o-Terphenyl	101		70 - 130	08/05/22 09:50	08/05/22 20:48	1

Lab Sample ID: LCS 880-31555/2-A
Matrix: Solid
Analysis Batch: 31531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31555

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	885.3		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	874.1		mg/Kg		87	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: LCSD 880-31555/3-A
Matrix: Solid
Analysis Batch: 31531

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31555

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	855.1		mg/Kg		86	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	871.0		mg/Kg		87	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	97		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2706-1
SDG: Lea County NM

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

Lab Sample ID: 890-2706-1 MS
Matrix: Solid
Analysis Batch: 31531

Client Sample ID: SS01
Prep Type: Total/NA
Prep Batch: 31555

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	833.2		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	92.2	F1	999	666.4	F1	mg/Kg		57	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*68*	*S1-*	*70 - 130*
o-Terphenyl	*67*	*S1-*	*70 - 130*

Lab Sample ID: 890-2706-1 MSD
Matrix: Solid
Analysis Batch: 31531

Client Sample ID: SS01
Prep Type: Total/NA
Prep Batch: 31555

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	850.8		mg/Kg		83	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	92.2	F1	999	643.6	F1	mg/Kg		55	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*63*	*S1-*	*70 - 130*
o-Terphenyl	*65*	*S1-*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-31559/1-A
Matrix: Solid
Analysis Batch: 31937

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/12/22 03:46	1

Lab Sample ID: LCS 880-31559/2-A
Matrix: Solid
Analysis Batch: 31937

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	245.2		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-31559/3-A
Matrix: Solid
Analysis Batch: 31937

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	247.1		mg/Kg		99	90 - 110	1	20

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2706-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-17771-A-1-C MS
Matrix: Solid
Analysis Batch: 31937

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	123		250	380.3		mg/Kg		103	90 - 110

Lab Sample ID: 880-17771-A-1-D MSD
Matrix: Solid
Analysis Batch: 31937

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	123		250	388.2		mg/Kg		106	90 - 110	2	20

Lab Sample ID: 890-2706-3 MS
Matrix: Solid
Analysis Batch: 31937

Client Sample ID: SS03
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	198	F1	250	448.2		mg/Kg		100	90 - 110

Lab Sample ID: 890-2706-3 MSD
Matrix: Solid
Analysis Batch: 31937

Client Sample ID: SS03
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	198	F1	250	480.5	F1	mg/Kg		113	90 - 110	7	20

QC Association Summary

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2706-1
SDG: Lea County NM

GC VOA

Prep Batch: 31602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2706-1	SS01	Total/NA	Solid	5035	
890-2706-2	SS02	Total/NA	Solid	5035	
890-2706-3	SS03	Total/NA	Solid	5035	
MB 880-31602/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31602/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31602/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2703-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-2703-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 31654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2706-1	SS01	Total/NA	Solid	8021B	31602
890-2706-2	SS02	Total/NA	Solid	8021B	31602
890-2706-3	SS03	Total/NA	Solid	8021B	31602
MB 880-31602/5-A	Method Blank	Total/NA	Solid	8021B	31602
MB 880-31669/5-A	Method Blank	Total/NA	Solid	8021B	31669
LCS 880-31602/1-A	Lab Control Sample	Total/NA	Solid	8021B	31602
LCS 880-31669/1-A	Lab Control Sample	Total/NA	Solid	8021B	31669
LCSD 880-31602/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31602
LCSD 880-31669/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31669
890-2689-A-13-E MS	Matrix Spike	Total/NA	Solid	8021B	31669
890-2689-A-13-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31669
890-2703-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	31602
890-2703-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31602

Prep Batch: 31669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-31669/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31669/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31669/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2689-A-13-E MS	Matrix Spike	Total/NA	Solid	5035	
890-2689-A-13-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 31804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2706-1	SS01	Total/NA	Solid	Total BTEX	
890-2706-2	SS02	Total/NA	Solid	Total BTEX	
890-2706-3	SS03	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 31531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2706-1	SS01	Total/NA	Solid	8015B NM	31555
890-2706-2	SS02	Total/NA	Solid	8015B NM	31555
890-2706-3	SS03	Total/NA	Solid	8015B NM	31555
MB 880-31555/1-A	Method Blank	Total/NA	Solid	8015B NM	31555
LCS 880-31555/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	31555
LCSD 880-31555/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	31555
890-2706-1 MS	SS01	Total/NA	Solid	8015B NM	31555
890-2706-1 MSD	SS01	Total/NA	Solid	8015B NM	31555

QC Association Summary

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2706-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 31555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2706-1	SS01	Total/NA	Solid	8015NM Prep	
890-2706-2	SS02	Total/NA	Solid	8015NM Prep	
890-2706-3	SS03	Total/NA	Solid	8015NM Prep	
MB 880-31555/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-31555/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-31555/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2706-1 MS	SS01	Total/NA	Solid	8015NM Prep	
890-2706-1 MSD	SS01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 31750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2706-1	SS01	Total/NA	Solid	8015 NM	
890-2706-2	SS02	Total/NA	Solid	8015 NM	
890-2706-3	SS03	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 31559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2706-1	SS01	Soluble	Solid	DI Leach	
890-2706-2	SS02	Soluble	Solid	DI Leach	
890-2706-3	SS03	Soluble	Solid	DI Leach	
MB 880-31559/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-31559/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-31559/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17771-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-17771-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
890-2706-3 MS	SS03	Soluble	Solid	DI Leach	
890-2706-3 MSD	SS03	Soluble	Solid	DI Leach	

Analysis Batch: 31937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2706-1	SS01	Soluble	Solid	300.0	31559
890-2706-2	SS02	Soluble	Solid	300.0	31559
890-2706-3	SS03	Soluble	Solid	300.0	31559
MB 880-31559/1-A	Method Blank	Soluble	Solid	300.0	31559
LCS 880-31559/2-A	Lab Control Sample	Soluble	Solid	300.0	31559
LCSD 880-31559/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	31559
880-17771-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	31559
880-17771-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	31559
890-2706-3 MS	SS03	Soluble	Solid	300.0	31559
890-2706-3 MSD	SS03	Soluble	Solid	300.0	31559

Lab Chronicle

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2706-1
SDG: Lea County NM

Client Sample ID: SS01

Date Collected: 08/02/22 12:30
Date Received: 08/02/22 15:53

Lab Sample ID: 890-2706-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	31602	08/05/22 13:42	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31654	08/07/22 19:35	EL	EET MID
Total/NA	Analysis	Total BTEX		1			31804	08/08/22 16:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			31750	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31555	08/05/22 09:50	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 21:54	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	31559	08/05/22 10:29	CH	EET MID
Soluble	Analysis	300.0		5			31937	08/12/22 06:05	AJ	EET MID

Client Sample ID: SS02

Date Collected: 08/02/22 12:40
Date Received: 08/02/22 15:53

Lab Sample ID: 890-2706-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	31602	08/05/22 13:42	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31654	08/07/22 19:56	EL	EET MID
Total/NA	Analysis	Total BTEX		1			31804	08/08/22 16:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			31750	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31555	08/05/22 09:50	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 22:58	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	31559	08/05/22 10:29	CH	EET MID
Soluble	Analysis	300.0		5			31937	08/12/22 06:14	AJ	EET MID

Client Sample ID: SS03

Date Collected: 08/02/22 12:50
Date Received: 08/02/22 15:53

Lab Sample ID: 890-2706-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	31602	08/05/22 13:42	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31654	08/07/22 20:16	EL	EET MID
Total/NA	Analysis	Total BTEX		1			31804	08/08/22 16:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			31750	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31555	08/05/22 09:50	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/06/22 04:02	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	31559	08/05/22 10:29	CH	EET MID
Soluble	Analysis	300.0		1			31937	08/12/22 06:23	AJ	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: Eata Fajita B CTB

Job ID: 890-2706-1
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	T104704400-22-24	06-30-23

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: Eata Fajita B CTB

Job ID: 890-2706-1
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	MCAWW	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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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: Eata Fajita B CTB

Job ID: 890-2706-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2706-1	SS01	Solid	08/02/22 12:30	08/02/22 15:53	0.5
890-2706-2	SS02	Solid	08/02/22 12:40	08/02/22 15:53	0.5
890-2706-3	SS03	Solid	08/02/22 12:50	08/02/22 15:53	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

Work Order No: _____

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Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennings
Company Name:	Ensolum	Company Name:	Ensolum
Address:	3122 National Parks HWY	Address:	3122 National Parks HWY
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	817-683-2503	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:	Eata Fajita B CTB	Turn Around	
Project Number:	03D2024075	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	5 Day TAT
Sampler's Name:	Gilbert Moreno	TAT starts the day received by the lab, if received by 4:30pm	
CC #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	WM-007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	3.2	
Total Containers:		Corrected Temperature:	3.0	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)
SS01	S	8.1.22	12:30	0.5'	Grab/	1		X	X	X
SS02	S	8.1.22	12:40	0.5'	Grab/	1		X	X	X
SS03	S	8.1.22	12:50	0.5'	Grab/	1		X	X	X

890-2706 Chain of Custody

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 Comments

Incident Numbers
NAPP2220244157

8.2.22

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			8.2.22 1553			
3				4		
5				6		

Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2706-1
SDG Number: Lea County NM

Login Number: 2706
List Number: 1
Creator: Clifton, Cloe

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.	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	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2706-1
SDG Number: Lea County NM

Login Number: 2706
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 08/04/22 10:22 AM

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

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2985-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: Eata Fajita B CTB

For:
Ensolum
705 W. Wadley
Suite 210
Midland, Texas 79701

Attn: Kalei Jennings

JKramer

Authorized for release by:
9/27/2022 1:32:58 PM

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

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Ensolum
Project/Site: Eata Fajita B CTB

Laboratory Job ID: 890-2985-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 890-2985-1
Project/Site: Eata Fajita B CTB SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low 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
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
Project/Site: Eata Fajita B CTB

Job ID: 890-2985-1
SDG: Lea County NM

Job ID: 890-2985-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2985-1

Receipt
The samples were received on 9/15/2022 4:49 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 5.0°C

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: BH01 (890-2985-1), BH01A (890-2985-2), BH01B (890-2985-3), BH01C (890-2985-4), BH01D (890-2985-5), (LCS 880-35201/1-A), (LCSD 880-35201/2-A), (890-2967-A-1-E), (890-2967-A-1-C MS) and (890-2967-A-1-D MSD). 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.

GC Semi VOA
Method 8015MOD_NM: The method blank for preparation batch 880-34747 and analytical batch 880-34755 contained Gasoline Range Organics (GRO)-C6-C10 and OII Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-34747/2-A) and (LCSD 880-34747/3-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.

Client Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2985-1
SDG: Lea County NM

Client Sample ID: BH01

Date Collected: 09/15/22 09:50
Date Received: 09/15/22 16:49
Sample Depth: 0.5'

Lab Sample ID: 890-2985-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:58	09/26/22 22:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:58	09/26/22 22:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:58	09/26/22 22:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/22/22 15:58	09/26/22 22:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:58	09/26/22 22:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/22/22 15:58	09/26/22 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*	*09/22/22 15:58*	*09/26/22 22:51*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*09/22/22 15:58*	*09/26/22 22:51*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/27/22 14:06	1

Method: 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			09/20/22 09:06	1

Method: 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		09/19/22 08:27	09/19/22 18:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/19/22 08:27	09/19/22 18:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/19/22 08:27	09/19/22 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/19/22 08:27*	*09/19/22 18:02*	*1*
o-Terphenyl	*86*		*70 - 130*	*09/19/22 08:27*	*09/19/22 18:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.7**		4.99		mg/Kg			09/21/22 07:27	1

Client Sample ID: BH01A

Date Collected: 09/15/22 09:55
Date Received: 09/15/22 16:49
Sample Depth: 1'

Lab Sample ID: 890-2985-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/22 15:58	09/26/22 23:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/22 15:58	09/26/22 23:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/22 15:58	09/26/22 23:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/22 15:58	09/26/22 23:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/22 15:58	09/26/22 23:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/22 15:58	09/26/22 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*161*	*S1+*	*70 - 130*	*09/22/22 15:58*	*09/26/22 23:17*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2985-1
SDG: Lea County NM

Client Sample ID: BH01A

Date Collected: 09/15/22 09:55
Date Received: 09/15/22 16:49
Sample Depth: 1'

Lab Sample ID: 890-2985-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*09/22/22 15:58*	*09/26/22 23:17*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			09/27/22 14:06	1

Method: 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			09/20/22 09:06	1

Method: 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		09/19/22 08:27	09/19/22 18:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/19/22 08:27	09/19/22 18:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/19/22 08:27	09/19/22 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*09/19/22 08:27*	*09/19/22 18:23*	*1*
o-Terphenyl	*91*		*70 - 130*	*09/19/22 08:27*	*09/19/22 18:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.1**		5.02	mg/Kg			09/21/22 07:42	1

Client Sample ID: BH01B

Date Collected: 09/15/22 10:00
Date Received: 09/15/22 16:49
Sample Depth: 2'

Lab Sample ID: 890-2985-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		09/22/22 15:58	09/26/22 23:43	1
Toluene	<0.00199	U	0.00199	mg/Kg		09/22/22 15:58	09/26/22 23:43	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		09/22/22 15:58	09/26/22 23:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		09/22/22 15:58	09/26/22 23:43	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		09/22/22 15:58	09/26/22 23:43	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		09/22/22 15:58	09/26/22 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*169*	*S1+*	*70 - 130*	*09/22/22 15:58*	*09/26/22 23:43*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*09/22/22 15:58*	*09/26/22 23:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			09/27/22 14:06	1

Method: 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			09/20/22 09:06	1

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Client Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2985-1
SDG: Lea County NM

Client Sample ID: BH01B

Lab Sample ID: 890-2985-3
Matrix: Solid
Date Collected: 09/15/22 10:00
Date Received: 09/15/22 16:49
Sample Depth: 2'

Method: 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		09/19/22 08:27	09/19/22 18:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/19/22 08:27	09/19/22 18:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/19/22 08:27	09/19/22 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*09/19/22 08:27*	*09/19/22 18:44*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/19/22 08:27*	*09/19/22 18:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.7**		5.04		mg/Kg			09/21/22 07:46	1

Client Sample ID: BH01C

Lab Sample ID: 890-2985-4
Matrix: Solid
Date Collected: 09/15/22 10:15
Date Received: 09/15/22 16:49
Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/22/22 15:58	09/27/22 00:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/22/22 15:58	09/27/22 00:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/22/22 15:58	09/27/22 00:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/22/22 15:58	09/27/22 00:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/22/22 15:58	09/27/22 00:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/22/22 15:58	09/27/22 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*164*	*S1+*	*70 - 130*	*09/22/22 15:58*	*09/27/22 00:09*	*1*
1,4-Difluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*09/22/22 15:58*	*09/27/22 00:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/27/22 14:06	1

Method: 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			09/20/22 09:06	1

Method: 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		09/19/22 08:27	09/19/22 19:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/19/22 08:27	09/19/22 19:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/19/22 08:27	09/19/22 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*09/19/22 08:27*	*09/19/22 19:05*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/19/22 08:27*	*09/19/22 19:05*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2985-1
SDG: Lea County NM

Client Sample ID: BH01C
Date Collected: 09/15/22 10:15
Date Received: 09/15/22 16:49
Sample Depth: 4'

Lab Sample ID: 890-2985-4
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		4.97		mg/Kg			09/21/22 08:01	1

Client Sample ID: BH01D
Date Collected: 09/15/22 10:20
Date Received: 09/15/22 16:49
Sample Depth: 8'

Lab Sample ID: 890-2985-5
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:58	09/27/22 00:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:58	09/27/22 00:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:58	09/27/22 00:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/22/22 15:58	09/27/22 00:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:58	09/27/22 00:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/22/22 15:58	09/27/22 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*09/22/22 15:58*	*09/27/22 00:34*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*09/22/22 15:58*	*09/27/22 00:34*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/27/22 14:06	1

Method: 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			09/20/22 09:06	1

Method: 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		09/19/22 08:27	09/19/22 19:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/19/22 08:27	09/19/22 19:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/19/22 08:27	09/19/22 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*09/19/22 08:27*	*09/19/22 19:26*	*1*
o-Terphenyl	*90*		*70 - 130*	*09/19/22 08:27*	*09/19/22 19:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		4.95		mg/Kg			09/21/22 08:06	1

Surrogate Summary

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2985-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-2967-A-1-C MS	Matrix Spike	139 S1+	84
890-2967-A-1-D MSD	Matrix Spike Duplicate	158 S1+	76
890-2985-1	BH01	159 S1+	75
890-2985-2	BH01A	161 S1+	72
890-2985-3	BH01B	169 S1+	74
890-2985-4	BH01C	164 S1+	67 S1-
890-2985-5	BH01D	139 S1+	68 S1-
LCS 880-35201/1-A	Lab Control Sample	145 S1+	77
LCSD 880-35201/2-A	Lab Control Sample Dup	145 S1+	81
MB 880-35201/5-A	Method Blank	105	73

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-2984-A-1-B MS	Matrix Spike	84	78
890-2984-A-1-C MSD	Matrix Spike Duplicate	84	78
890-2985-1	BH01	86	86
890-2985-2	BH01A	90	91
890-2985-3	BH01B	90	89
890-2985-4	BH01C	90	89
890-2985-5	BH01D	90	90
LCS 880-34747/2-A	Lab Control Sample	166 S1+	176 S1+
LCSD 880-34747/3-A	Lab Control Sample Dup	186 S1+	200 S1+
MB 880-34747/1-A	Method Blank	91	98

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2985-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35201/5-A
Matrix: Solid
Analysis Batch: 35400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35201

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:58	09/26/22 16:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:58	09/26/22 16:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:58	09/26/22 16:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/22 15:58	09/26/22 16:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:58	09/26/22 16:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/22 15:58	09/26/22 16:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*09/22/22 15:58*	*09/26/22 16:21*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*09/22/22 15:58*	*09/26/22 16:21*	*1*

Lab Sample ID: LCS 880-35201/1-A
Matrix: Solid
Analysis Batch: 35400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35201

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09437		mg/Kg		94	70 - 130		
Toluene			0.100	0.09120		mg/Kg		91	70 - 130		
Ethylbenzene			0.100	0.08650		mg/Kg		86	70 - 130		
m-Xylene & p-Xylene			0.200	0.1779		mg/Kg		89	70 - 130		
o-Xylene			0.100	0.08829		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*

Lab Sample ID: LCSD 880-35201/2-A
Matrix: Solid
Analysis Batch: 35400

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35201

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1045		mg/Kg		104	70 - 130	10	35
Toluene			0.100	0.09825		mg/Kg		98	70 - 130	7	35
Ethylbenzene			0.100	0.09410		mg/Kg		94	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.1928		mg/Kg		96	70 - 130	8	35
o-Xylene			0.100	0.09350		mg/Kg		94	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: 890-2967-A-1-C MS
Matrix: Solid
Analysis Batch: 35400

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35201

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0998	0.09418		mg/Kg		94	70 - 130		
Toluene	<0.00199	U	0.0998	0.09072		mg/Kg		91	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2985-1
SDG: Lea County NM

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

Lab Sample ID: 890-2967-A-1-C MS
Matrix: Solid
Analysis Batch: 35400

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35201

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0998	0.08468		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1721		mg/Kg		86	70 - 130
o-Xylene	<0.00199	U	0.0998	0.08290		mg/Kg		83	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: 890-2967-A-1-D MSD
Matrix: Solid
Analysis Batch: 35400

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 35201

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1195		mg/Kg		119	70 - 130	24	35
Toluene	<0.00199	U	0.100	0.1144		mg/Kg		114	70 - 130	23	35
Ethylbenzene	<0.00199	U	0.100	0.1108		mg/Kg		110	70 - 130	27	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2260		mg/Kg		113	70 - 130	27	35
o-Xylene	<0.00199	U	0.100	0.1100		mg/Kg		110	70 - 130	28	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*158*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*

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

Lab Sample ID: MB 880-34747/1-A
Matrix: Solid
Analysis Batch: 34755

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34747

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		09/19/22 08:27	09/19/22 12:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/19/22 08:27	09/19/22 12:04	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/19/22 08:27	09/19/22 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*09/19/22 08:27*	*09/19/22 12:04*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/19/22 08:27*	*09/19/22 12:04*	*1*

Lab Sample ID: LCS 880-34747/2-A
Matrix: Solid
Analysis Batch: 34755

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34747

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	868.7		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	774.2		mg/Kg		77	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2985-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-34747/2-A
Matrix: Solid
Analysis Batch: 34755

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34747

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	166	S1+	70 - 130
o-Terphenyl	176	S1+	70 - 130

Lab Sample ID: LCSD 880-34747/3-A
Matrix: Solid
Analysis Batch: 34755

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 34747

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	920.7		mg/Kg		92	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	834.1		mg/Kg		83	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	186	S1+	70 - 130
o-Terphenyl	200	S1+	70 - 130

Lab Sample ID: 890-2984-A-1-B MS
Matrix: Solid
Analysis Batch: 34755

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 34747

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	996	886.6		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	711.5		mg/Kg		71	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 890-2984-A-1-C MSD
Matrix: Solid
Analysis Batch: 34755

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 34747

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	887.2		mg/Kg		87	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	717.5		mg/Kg		72	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	78		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2985-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-34588/1-A
Matrix: Solid
Analysis Batch: 34947

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/21/22 06:05	1

Lab Sample ID: LCS 880-34588/2-A
Matrix: Solid
Analysis Batch: 34947

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	251.9		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-34588/3-A
Matrix: Solid
Analysis Batch: 34947

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	252.7		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-2985-1 MS
Matrix: Solid
Analysis Batch: 34947

Client Sample ID: BH01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	11.7		250	261.9		mg/Kg		100	90 - 110		

Lab Sample ID: 890-2985-1 MSD
Matrix: Solid
Analysis Batch: 34947

Client Sample ID: BH01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	11.7		250	261.6		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2985-1
SDG: Lea County NM

GC VOA

Prep Batch: 35201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2985-1	BH01	Total/NA	Solid	5035	
890-2985-2	BH01A	Total/NA	Solid	5035	
890-2985-3	BH01B	Total/NA	Solid	5035	
890-2985-4	BH01C	Total/NA	Solid	5035	
890-2985-5	BH01D	Total/NA	Solid	5035	
MB 880-35201/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35201/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35201/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2967-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-2967-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 35400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2985-1	BH01	Total/NA	Solid	8021B	35201
890-2985-2	BH01A	Total/NA	Solid	8021B	35201
890-2985-3	BH01B	Total/NA	Solid	8021B	35201
890-2985-4	BH01C	Total/NA	Solid	8021B	35201
890-2985-5	BH01D	Total/NA	Solid	8021B	35201
MB 880-35201/5-A	Method Blank	Total/NA	Solid	8021B	35201
LCS 880-35201/1-A	Lab Control Sample	Total/NA	Solid	8021B	35201
LCSD 880-35201/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35201
890-2967-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	35201
890-2967-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35201

Analysis Batch: 35524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2985-1	BH01	Total/NA	Solid	Total BTEX	
890-2985-2	BH01A	Total/NA	Solid	Total BTEX	
890-2985-3	BH01B	Total/NA	Solid	Total BTEX	
890-2985-4	BH01C	Total/NA	Solid	Total BTEX	
890-2985-5	BH01D	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 34747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2985-1	BH01	Total/NA	Solid	8015NM Prep	
890-2985-2	BH01A	Total/NA	Solid	8015NM Prep	
890-2985-3	BH01B	Total/NA	Solid	8015NM Prep	
890-2985-4	BH01C	Total/NA	Solid	8015NM Prep	
890-2985-5	BH01D	Total/NA	Solid	8015NM Prep	
MB 880-34747/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34747/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34747/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2984-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2984-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 34755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2985-1	BH01	Total/NA	Solid	8015B NM	34747
890-2985-2	BH01A	Total/NA	Solid	8015B NM	34747

QC Association Summary

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2985-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 34755 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2985-3	BH01B	Total/NA	Solid	8015B NM	34747
890-2985-4	BH01C	Total/NA	Solid	8015B NM	34747
890-2985-5	BH01D	Total/NA	Solid	8015B NM	34747
MB 880-34747/1-A	Method Blank	Total/NA	Solid	8015B NM	34747
LCS 880-34747/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34747
LCSD 880-34747/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34747
890-2984-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	34747
890-2984-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	34747

Analysis Batch: 34897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2985-1	BH01	Total/NA	Solid	8015 NM	
890-2985-2	BH01A	Total/NA	Solid	8015 NM	
890-2985-3	BH01B	Total/NA	Solid	8015 NM	
890-2985-4	BH01C	Total/NA	Solid	8015 NM	
890-2985-5	BH01D	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 34588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2985-1	BH01	Soluble	Solid	DI Leach	
890-2985-2	BH01A	Soluble	Solid	DI Leach	
890-2985-3	BH01B	Soluble	Solid	DI Leach	
890-2985-4	BH01C	Soluble	Solid	DI Leach	
890-2985-5	BH01D	Soluble	Solid	DI Leach	
MB 880-34588/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34588/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34588/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2985-1 MS	BH01	Soluble	Solid	DI Leach	
890-2985-1 MSD	BH01	Soluble	Solid	DI Leach	

Analysis Batch: 34947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2985-1	BH01	Soluble	Solid	300.0	34588
890-2985-2	BH01A	Soluble	Solid	300.0	34588
890-2985-3	BH01B	Soluble	Solid	300.0	34588
890-2985-4	BH01C	Soluble	Solid	300.0	34588
890-2985-5	BH01D	Soluble	Solid	300.0	34588
MB 880-34588/1-A	Method Blank	Soluble	Solid	300.0	34588
LCS 880-34588/2-A	Lab Control Sample	Soluble	Solid	300.0	34588
LCSD 880-34588/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34588
890-2985-1 MS	BH01	Soluble	Solid	300.0	34588
890-2985-1 MSD	BH01	Soluble	Solid	300.0	34588

Lab Chronicle

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2985-1
SDG: Lea County NM

Client Sample ID: BH01

Date Collected: 09/15/22 09:50
Date Received: 09/15/22 16:49

Lab Sample ID: 890-2985-1
Matrix: Solid

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	35201	09/22/22 15:58	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35400	09/26/22 22:51	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35524	09/27/22 14:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34897	09/20/22 09:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34747	09/19/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34755	09/19/22 18:02	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34588	09/19/22 11:40	SMC	EET MID
Soluble	Analysis	300.0		1			34947	09/21/22 07:27	CH	EET MID

Client Sample ID: BH01A

Date Collected: 09/15/22 09:55
Date Received: 09/15/22 16:49

Lab Sample ID: 890-2985-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35201	09/22/22 15:58	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35400	09/26/22 23:17	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35524	09/27/22 14:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34897	09/20/22 09:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34747	09/19/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34755	09/19/22 18:23	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	34588	09/19/22 11:40	SMC	EET MID
Soluble	Analysis	300.0		1			34947	09/21/22 07:42	CH	EET MID

Client Sample ID: BH01B

Date Collected: 09/15/22 10:00
Date Received: 09/15/22 16:49

Lab Sample ID: 890-2985-3
Matrix: Solid

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	35201	09/22/22 15:58	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35400	09/26/22 23:43	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35524	09/27/22 14:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34897	09/20/22 09:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34747	09/19/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34755	09/19/22 18:44	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	34588	09/19/22 11:40	SMC	EET MID
Soluble	Analysis	300.0		1			34947	09/21/22 07:46	CH	EET MID

Client Sample ID: BH01C

Date Collected: 09/15/22 10:15
Date Received: 09/15/22 16:49

Lab Sample ID: 890-2985-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	35201	09/22/22 15:58	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35400	09/27/22 00:09	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35524	09/27/22 14:06	AJ	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2985-1
SDG: Lea County NM

Client Sample ID: BH01C
Date Collected: 09/15/22 10:15
Date Received: 09/15/22 16:49

Lab Sample ID: 890-2985-4
Matrix: Solid

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			34897	09/20/22 09:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34747	09/19/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34755	09/19/22 19:05	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	34588	09/19/22 11:40	SMC	EET MID
Soluble	Analysis	300.0		1			34947	09/21/22 08:01	CH	EET MID

Client Sample ID: BH01D
Date Collected: 09/15/22 10:20
Date Received: 09/15/22 16:49

Lab Sample ID: 890-2985-5
Matrix: Solid

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	35201	09/22/22 15:58	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35400	09/27/22 00:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35524	09/27/22 14:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34897	09/20/22 09:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34747	09/19/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34755	09/19/22 19:26	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	34588	09/19/22 11:40	SMC	EET MID
Soluble	Analysis	300.0		1			34947	09/21/22 08:06	CH	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: Eata Fajita B CTB

Job ID: 890-2985-1
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	T104704400-22-24	06-30-23

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: Eata Fajita B CTB

Job ID: 890-2985-1
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	MCAWW	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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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: Eata Fajita B CTB

Job ID: 890-2985-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2985-1	BH01	Solid	09/15/22 09:50	09/15/22 16:49	0.5'
890-2985-2	BH01A	Solid	09/15/22 09:55	09/15/22 16:49	1'
890-2985-3	BH01B	Solid	09/15/22 10:00	09/15/22 16:49	2'
890-2985-4	BH01C	Solid	09/15/22 10:15	09/15/22 16:49	4'
890-2985-5	BH01D	Solid	09/15/22 10:20	09/15/22 16:49	8'

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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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Kalei Jennings	Bill to: (if different)	
Company Name:	Ensolum	Company Name:	
Address:	3122 National Parks Hwy.	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	817-683-2503	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:

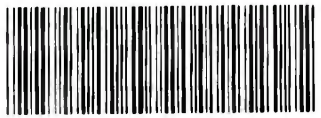
Project Name:	Eata Fajita B CTB	**Turn Around**	
Project Number:	03D2024075	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	5 Day TAT
Sampler's Name:	LC	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	N/A		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TMH-007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	5.2	
Total Containers:		Corrected Temperature:	5.0	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)
BH01	S	9/15/22	950	0.5;	Grab/	1		x	x	x
BH01A	S	9/15/22	955	1'	Grab/	1		x	x	x
BH01B	S	9/15/22	1000	2'	Grab/	1		x	x	x
BH01C	S	9/15/22	1015	4'	Grab/	1		x	x	x
BH01D	S	9/15/22	1020	8'	Grab/	1		x	x	x

Parameters



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 Comments

Incident Number: napp2220244157
Cost Center:

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		9/15/22 1649	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:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-926 1
Client Contact: Shipping/Receiving	Phone:	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 #: 890-2985-1
Address: 1211 W Florida Ave	Due Date Requested: 9/21/2022			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Eata Fajita B CTB	Project #: 89000094			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D - Nitric Acid, E NaHSO4, F - MeOH, G Amchlor, H Ascorbic Acid, I Ice, J - DI Water, K EDTA, L EDA, M - Hexane, N - None, O AsNaO2, P - Na2O4S, Q Na2SO3, R - Na2S2O3, S H2SO4, T - TSP Dodecahydrate, U Acetone, V - MCAA, W pH 4-5, Y - Trizma, Z other (specify)

Other:

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)	8016MOD_NM/8015NM_S_Prep (MOD) Full TPH	8016MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc (MOD) BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BH01 (890-2985-1)	9/15/22	09 50 Mountain		Solid			X	X	X	X	X	1	
BH01A (890-2985-2)	9/15/22	09 55 Mountain		Solid			X	X	X	X	X	1	
BH01B (890-2985-3)	9/15/22	10 00 Mountain		Solid			X	X	X	X	X	1	
BH01C (890-2985-4)	9/15/22	10 15 Mountain		Solid			X	X	X	X	X	1	
BH01D (890-2985-5)	9/15/22	10 20 Mountain		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 out 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 complicance 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
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: 06/08/2021

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2985-1
SDG Number: Lea County NM

Login Number: 2985
List Number: 1
Creator: Stutzman, Amanda

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.	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	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2985-1
SDG Number: Lea County NM

Login Number: 2985
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 09/19/22 08:28 AM

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

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2986-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: Eata Fajita B CTB

For:
Ensolum
705 W. Wadley
Suite 210
Midland, Texas 79701

Attn: Kalei Jennings

JKramer

Authorized for release by:
9/26/2022 3:35:02 PM

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

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Ensolum
Project/Site: Eata Fajita B CTB

Laboratory Job ID: 890-2986-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 890-2986-1
Project/Site: Eata Fajita B CTB SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
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
Project/Site: Eata Fajita B CTB

Job ID: 890-2986-1
SDG: Lea County NM

Job ID: 890-2986-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2986-1

Receipt
The sample was received on 9/15/2022 4:49 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 5.0°C

GC VOA
Method 8021B: LCSD biased low. Since only an acceptable LCS is required per the method, the data has been qualified and reported. (LCSD 880-35199/2-A)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-35199 and analytical batch 880-35329 were outside control limits. Sample matrix interference and/or non-homogeneity are 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.

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-34747/2-A) and (LCSD 880-34747/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-34747 and analytical batch 880-34755 contained Gasoline Range Organics (GRO)-C6-C10 and OII Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-34930 and 880-34930 and analytical batch 880-35027 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was 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: Eata Fajita B CTB

Job ID: 890-2986-1
SDG: Lea County NM

Client Sample ID: SS04

Date Collected: 09/15/22 11:10
Date Received: 09/15/22 16:49
Sample Depth: 0.5'

Lab Sample ID: 890-2986-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200		mg/Kg		09/22/22 15:49	09/25/22 00:06	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		09/22/22 15:49	09/25/22 00:06	1
Ethylbenzene	<0.00200	U *-	0.00200		mg/Kg		09/22/22 15:49	09/25/22 00:06	1
m-Xylene & p-Xylene	<0.00401	U *-	0.00401		mg/Kg		09/22/22 15:49	09/25/22 00:06	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		09/22/22 15:49	09/25/22 00:06	1
Xylenes, Total	<0.00401	U *-	0.00401		mg/Kg		09/22/22 15:49	09/25/22 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*09/22/22 15:49*	*09/25/22 00:06*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/22/22 15:49*	*09/25/22 00:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/26/22 15:58	1

Method: 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			09/20/22 09:06	1

Method: 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		09/19/22 08:27	09/19/22 20:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/19/22 08:27	09/19/22 20:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/19/22 08:27	09/19/22 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/19/22 08:27*	*09/19/22 20:28*	*1*
o-Terphenyl	*81*		*70 - 130*	*09/19/22 08:27*	*09/19/22 20:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.7**		4.95		mg/Kg			09/21/22 13:41	1

Surrogate Summary

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2986-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-2965-A-1-E MS	Matrix Spike	82	109
890-2965-A-1-F MSD	Matrix Spike Duplicate	81	111
890-2986-1	SS04	98	102
LCS 880-35199/1-A	Lab Control Sample	85	108
LCSD 880-35199/2-A	Lab Control Sample Dup	84	101
MB 880-35199/5-A	Method Blank	103	119

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-2984-A-1-B MS	Matrix Spike	84	78
890-2984-A-1-C MSD	Matrix Spike Duplicate	84	78
890-2986-1	SS04	86	81
LCS 880-34747/2-A	Lab Control Sample	166 S1+	176 S1+
LCSD 880-34747/3-A	Lab Control Sample Dup	186 S1+	200 S1+
MB 880-34747/1-A	Method Blank	91	98

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2986-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35199/5-A
Matrix: Solid
Analysis Batch: 35329

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35199

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:49	09/24/22 15:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:49	09/24/22 15:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:49	09/24/22 15:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/22 15:49	09/24/22 15:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/22 15:49	09/24/22 15:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/22 15:49	09/24/22 15:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*09/22/22 15:49*	*09/24/22 15:38*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*09/22/22 15:49*	*09/24/22 15:38*	*1*

Lab Sample ID: LCS 880-35199/1-A
Matrix: Solid
Analysis Batch: 35329

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35199

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1041		mg/Kg		104	70 - 130		
Toluene			0.100	0.08298		mg/Kg		83	70 - 130		
Ethylbenzene			0.100	0.07948		mg/Kg		79	70 - 130		
m-Xylene & p-Xylene			0.200	0.1620		mg/Kg		81	70 - 130		
o-Xylene			0.100	0.08134		mg/Kg		81	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-35199/2-A
Matrix: Solid
Analysis Batch: 35329

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35199

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07166	*1	mg/Kg		72	70 - 130	37	35
Toluene			0.100	0.05980	*-	mg/Kg		60	70 - 130	32	35
Ethylbenzene			0.100	0.05660	*-	mg/Kg		57	70 - 130	34	35
m-Xylene & p-Xylene			0.200	0.1165	*-	mg/Kg		58	70 - 130	33	35
o-Xylene			0.100	0.06050	*-	mg/Kg		60	70 - 130	29	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-2965-A-1-E MS
Matrix: Solid
Analysis Batch: 35329

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35199

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U *1	0.0998	0.09137		mg/Kg		91	70 - 130		
Toluene	<0.00202	U *-	0.0998	0.07416		mg/Kg		73	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2986-1
SDG: Lea County NM

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

Lab Sample ID: 890-2965-A-1-E MS
Matrix: Solid
Analysis Batch: 35329

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35199

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U *- F1	0.0998	0.06651	F1	mg/Kg		66	70 - 130
m-Xylene & p-Xylene	<0.00404	U *- F1	0.200	0.1323	F1	mg/Kg		65	70 - 130
o-Xylene	<0.00202	U *- F1	0.0998	0.06601	F1	mg/Kg		65	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 890-2965-A-1-F MSD
Matrix: Solid
Analysis Batch: 35329

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 35199

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U *1	0.100	0.09751		mg/Kg		96	70 - 130	7	35
Toluene	<0.00202	U *-	0.100	0.07203		mg/Kg		70	70 - 130	3	35
Ethylbenzene	<0.00202	U *- F1	0.100	0.06391	F1	mg/Kg		63	70 - 130	4	35
m-Xylene & p-Xylene	<0.00404	U *- F1	0.201	0.1265	F1	mg/Kg		62	70 - 130	5	35
o-Xylene	<0.00202	U *- F1	0.100	0.06225	F1	mg/Kg		61	70 - 130	6	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

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

Lab Sample ID: MB 880-34747/1-A
Matrix: Solid
Analysis Batch: 34755

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34747

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		09/19/22 08:27	09/19/22 12:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/19/22 08:27	09/19/22 12:04	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/19/22 08:27	09/19/22 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*09/19/22 08:27*	*09/19/22 12:04*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/19/22 08:27*	*09/19/22 12:04*	*1*

Lab Sample ID: LCS 880-34747/2-A
Matrix: Solid
Analysis Batch: 34755

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34747

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	868.7		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)			1000	774.2		mg/Kg		77	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2986-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-34747/2-A
Matrix: Solid
Analysis Batch: 34755

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34747

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	166	S1+	70 - 130
o-Terphenyl	176	S1+	70 - 130

Lab Sample ID: LCSD 880-34747/3-A
Matrix: Solid
Analysis Batch: 34755

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 34747

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	920.7		mg/Kg		92	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	834.1		mg/Kg		83	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	186	S1+	70 - 130
o-Terphenyl	200	S1+	70 - 130

Lab Sample ID: 890-2984-A-1-B MS
Matrix: Solid
Analysis Batch: 34755

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 34747

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	996	886.6		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	711.5		mg/Kg		71	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 890-2984-A-1-C MSD
Matrix: Solid
Analysis Batch: 34755

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 34747

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	887.2		mg/Kg		87	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	717.5		mg/Kg		72	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	78		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2986-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-34930/1-A
Matrix: Solid
Analysis Batch: 35027

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/21/22 12:27	1

Lab Sample ID: LCS 880-34930/2-A
Matrix: Solid
Analysis Batch: 35027

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	258.6		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-34930/3-A
Matrix: Solid
Analysis Batch: 35027

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	240.8		mg/Kg		96	90 - 110	7	20

Lab Sample ID: 890-2983-A-1-E MS
Matrix: Solid
Analysis Batch: 35027

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	150	F1	252	373.6	F1	mg/Kg		89	90 - 110		

Lab Sample ID: 890-2983-A-1-F MSD
Matrix: Solid
Analysis Batch: 35027

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	150	F1	252	396.4		mg/Kg		98	90 - 110	6	20

QC Association Summary

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2986-1
SDG: Lea County NM

GC VOA

Prep Batch: 35199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2986-1	SS04	Total/NA	Solid	5035	
MB 880-35199/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35199/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35199/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2965-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-2965-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 35329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2986-1	SS04	Total/NA	Solid	8021B	35199
MB 880-35199/5-A	Method Blank	Total/NA	Solid	8021B	35199
LCS 880-35199/1-A	Lab Control Sample	Total/NA	Solid	8021B	35199
LCSD 880-35199/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35199
890-2965-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	35199
890-2965-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35199

Analysis Batch: 35434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2986-1	SS04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 34747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2986-1	SS04	Total/NA	Solid	8015NM Prep	
MB 880-34747/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34747/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34747/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2984-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2984-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 34755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2986-1	SS04	Total/NA	Solid	8015B NM	34747
MB 880-34747/1-A	Method Blank	Total/NA	Solid	8015B NM	34747
LCS 880-34747/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34747
LCSD 880-34747/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34747
890-2984-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	34747
890-2984-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	34747

Analysis Batch: 34898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2986-1	SS04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 34930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2986-1	SS04	Soluble	Solid	DI Leach	
MB 880-34930/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34930/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34930/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2986-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 34930 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2983-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2983-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 35027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2986-1	SS04	Soluble	Solid	300.0	34930
MB 880-34930/1-A	Method Blank	Soluble	Solid	300.0	34930
LCS 880-34930/2-A	Lab Control Sample	Soluble	Solid	300.0	34930
LCSD 880-34930/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34930
890-2983-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	34930
890-2983-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	34930

Lab Chronicle

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-2986-1
SDG: Lea County NM

Client Sample ID: SS04

Date Collected: 09/15/22 11:10
Date Received: 09/15/22 16:49

Lab Sample ID: 890-2986-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	35199	09/22/22 15:49	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35329	09/25/22 00:06	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35434	09/26/22 15:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			34898	09/20/22 09:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34747	09/19/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34755	09/19/22 20:28	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	34930	09/20/22 10:20	KS	EET MID
Soluble	Analysis	300.0		1			35027	09/21/22 13:41	CH	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: Eata Fajita B CTB

Job ID: 890-2986-1
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	T104704400-22-24	06-30-23

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: Eata Fajita B CTB

Job ID: 890-2986-1
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	MCAWW	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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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: Eata Fajita B CTB

Job ID: 890-2986-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2986-1	SS04	Solid	09/15/22 11:10	09/15/22 16:49	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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Kalei Jennings	Bill to: (if different)	
Company Name:	Ensolum	Company Name:	
Address:	3122 National Parks Hwy.	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	817-683-2503	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:	Eata Fajita B CTB	Turn Around	
Project Number:	03D2024075	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	5 Day TAT
Sampler's Name:	LC	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	N/A		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TMM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	5.2
Total Containers:		Corrected Temperature:	5.0

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021	Parameters
SS04	S	9/15/22	1110	0.5;	Comp	1		x	x	x	

ANALYSIS REQUEST

890-2986 Chain of Custody

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 Comments

Incident Number: napp2220244157
Cost Center:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Amanda Stiff	9/15/22 1649			
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	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Shipping/Receiving	Phone:	Kramer Jessica		890-926 1
Company: Eurofins Environment Testing South Centr		E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 1 of 1
Address: 1211 W Florida Ave,	Due Date Requested: 9/21/2022	Accreditations Required (See note): NELAP - Texas		Job #: 890-2986-1
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Eata Fajita B CTB	Project #: 89000094			
Site:	SSOW#:			

Preservation Codes

A HCL, B - NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J - DI Water, K EDTA, L EDA, M Hexane, N None, O - AsNaO2, P Na2O4S, Q - Na2SO3, R Na2S2O3, S - H2SO4, T TSP Dodecahydrate, U - Acetone, V MCAA, W pH 4-5, Y Trizma, Z - other (specify)

Other:

Analysis Requested

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:										
SS04 (890-2986-1)	9/15/22	11 10 Mountain		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 out 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 complicance 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
	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: 06/08/2021

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2986-1
SDG Number: Lea County NM

Login Number: 2986
List Number: 1
Creator: Stutzman, Amanda

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.	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	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2986-1
SDG Number: Lea County NM

Login Number: 2986
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 09/19/22 08:28 AM

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

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ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-3103-1
Laboratory Sample Delivery Group: 03D2024075
Client Project/Site: Eata Fajita B CTB
Revision: 1

For:
Ensolum
705 W. Wadley
Suite 210
Midland, Texas 79701

Attn: Hadlie Green

JKramer

Authorized for release by:
10/4/2022 12:15:18 PM

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

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Ensolum
Project/Site: Eata Fajita B CTB

Laboratory Job ID: 890-3103-1
SDG: 03D2024075

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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
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
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Job ID: 890-3103-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3103-1

REVISION

The report being provided is a revision of the original report sent on 9/30/2022. The report (revision 1) is being revised due to Per client email, correcting sample depths.

Report revision history

Receipt
The samples were received on 9/28/2022 4:21 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 3.0°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-35720 and analytical batch 880-35814 were outside control limits. Sample matrix interference and/or non-homogeneity are 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.

GC Semi VOA
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: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Client Sample ID: SS05
Date Collected: 09/28/22 13:15
Date Received: 09/28/22 16:21
Sample Depth: 0.5'

Lab Sample ID: 890-3103-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/29/22 15:53	09/30/22 17:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/29/22 15:53	09/30/22 17:22	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		09/29/22 15:53	09/30/22 17:22	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		09/29/22 15:53	09/30/22 17:22	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		09/29/22 15:53	09/30/22 17:22	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		09/29/22 15:53	09/30/22 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*09/29/22 15:53*	*09/30/22 17:22*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/29/22 15:53*	*09/30/22 17:22*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/30/22 20:54	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**836**		49.8		mg/Kg			09/30/22 20:38	1

Method: 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		09/30/22 08:47	09/30/22 11:37	1
Diesel Range Organics (Over C10-C28)	**836**		49.8		mg/Kg		09/30/22 08:47	09/30/22 11:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/30/22 08:47	09/30/22 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*09/30/22 08:47*	*09/30/22 11:37*	*1*
o-Terphenyl	*90*		*70 - 130*	*09/30/22 08:47*	*09/30/22 11:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**292**		5.04		mg/Kg			09/30/22 15:06	1

Client Sample ID: SS06
Date Collected: 09/28/22 13:05
Date Received: 09/28/22 16:21
Sample Depth: 0.5'

Lab Sample ID: 890-3103-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/29/22 15:53	09/30/22 17:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/22 15:53	09/30/22 17:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/22 15:53	09/30/22 17:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/22 15:53	09/30/22 17:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/22 15:53	09/30/22 17:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/22 15:53	09/30/22 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*09/29/22 15:53*	*09/30/22 17:48*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Client Sample ID: SS06
Date Collected: 09/28/22 13:05
Date Received: 09/28/22 16:21
Sample Depth: 0.5'

Lab Sample ID: 890-3103-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*09/29/22 15:53*	*09/30/22 17:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			09/30/22 20:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**329**		49.9	mg/Kg			09/30/22 20:38	1

Method: 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		09/30/22 08:47	09/30/22 11:59	1
Diesel Range Organics (Over C10-C28)	**329**		49.9	mg/Kg		09/30/22 08:47	09/30/22 11:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/30/22 08:47	09/30/22 11:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/30/22 08:47*	*09/30/22 11:59*	*1*
o-Terphenyl	*73*		*70 - 130*	*09/30/22 08:47*	*09/30/22 11:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**208**		5.05	mg/Kg			09/30/22 15:10	1

Client Sample ID: SS07
Date Collected: 09/28/22 13:10
Date Received: 09/28/22 16:21
Sample Depth: 0.5'

Lab Sample ID: 890-3103-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/29/22 15:53	09/30/22 18:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/29/22 15:53	09/30/22 18:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/29/22 15:53	09/30/22 18:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		09/29/22 15:53	09/30/22 18:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/29/22 15:53	09/30/22 18:14	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		09/29/22 15:53	09/30/22 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/29/22 15:53*	*09/30/22 18:14*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/29/22 15:53*	*09/30/22 18:14*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			09/30/22 20:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**310**		49.9	mg/Kg			09/30/22 20:38	1

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Client Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Client Sample ID: SS07
Date Collected: 09/28/22 13:10
Date Received: 09/28/22 16:21
Sample Depth: 0.5'

Lab Sample ID: 890-3103-3
Matrix: Solid

Method: 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		09/30/22 08:47	09/30/22 12:20	1
Diesel Range Organics (Over C10-C28)	**310**		49.9		mg/Kg		09/30/22 08:47	09/30/22 12:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*09/30/22 08:47*	*09/30/22 12:20*	*1*
o-Terphenyl	*86*		*70 - 130*	*09/30/22 08:47*	*09/30/22 12:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**199**		4.98		mg/Kg			09/30/22 15:25	1

Client Sample ID: FS01
Date Collected: 09/28/22 13:30
Date Received: 09/28/22 16:21
Sample Depth: 2'

Lab Sample ID: 890-3103-4
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/29/22 15:53	09/30/22 18:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/22 15:53	09/30/22 18:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/22 15:53	09/30/22 18:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/22 15:53	09/30/22 18:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/22 15:53	09/30/22 18:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/22 15:53	09/30/22 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*09/29/22 15:53*	*09/30/22 18:40*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/29/22 15:53*	*09/30/22 18:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/30/22 20:54	1

Method: 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			09/30/22 20:38	1

Method: 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		09/30/22 08:47	09/30/22 12:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 12:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*09/30/22 08:47*	*09/30/22 12:42*	*1*
o-Terphenyl	*101*		*70 - 130*	*09/30/22 08:47*	*09/30/22 12:42*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Client Sample ID: FS01
Date Collected: 09/28/22 13:30
Date Received: 09/28/22 16:21
Sample Depth: 2'

Lab Sample ID: 890-3103-4
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**		4.98		mg/Kg			09/30/22 15:30	1

Client Sample ID: FS02
Date Collected: 09/28/22 13:35
Date Received: 09/28/22 16:21
Sample Depth: 2'

Lab Sample ID: 890-3103-5
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/29/22 15:53	09/30/22 19:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/22 15:53	09/30/22 19:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/22 15:53	09/30/22 19:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/29/22 15:53	09/30/22 19:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/22 15:53	09/30/22 19:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/29/22 15:53	09/30/22 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*09/29/22 15:53*	*09/30/22 19:06*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/29/22 15:53*	*09/30/22 19:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/30/22 20:54	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**198**		50.0		mg/Kg			09/30/22 20:38	1

Method: 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		09/30/22 08:47	09/30/22 13:04	1
Diesel Range Organics (Over C10-C28)	**198**		50.0		mg/Kg		09/30/22 08:47	09/30/22 13:04	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*09/30/22 08:47*	*09/30/22 13:04*	*1*
o-Terphenyl	*101*		*70 - 130*	*09/30/22 08:47*	*09/30/22 13:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.1**		4.99		mg/Kg			09/30/22 15:35	1

Client Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Client Sample ID: FS03
Date Collected: 09/28/22 13:40
Date Received: 09/28/22 16:21
Sample Depth: 2'

Lab Sample ID: 890-3103-6
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/29/22 15:53	09/30/22 19:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/22 15:53	09/30/22 19:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/22 15:53	09/30/22 19:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/22 15:53	09/30/22 19:32	1
o-Xylene	**0.00403**		0.00199		mg/Kg		09/29/22 15:53	09/30/22 19:32	1
Xylenes, Total	**0.00403**		0.00398		mg/Kg		09/29/22 15:53	09/30/22 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*09/29/22 15:53*	*09/30/22 19:32*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/29/22 15:53*	*09/30/22 19:32*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00403**		0.00398		mg/Kg			09/30/22 20:54	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**142**		50.0		mg/Kg			09/30/22 20:38	1

Method: 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		09/30/22 08:47	09/30/22 13:26	1
Diesel Range Organics (Over C10-C28)	**142**		50.0		mg/Kg		09/30/22 08:47	09/30/22 13:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/30/22 08:47*	*09/30/22 13:26*	*1*
o-Terphenyl	*80*		*70 - 130*	*09/30/22 08:47*	*09/30/22 13:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**65.8**		4.96		mg/Kg			09/30/22 15:40	1

Client Sample ID: FS04
Date Collected: 09/28/22 13:45
Date Received: 09/28/22 16:21
Sample Depth: 2'

Lab Sample ID: 890-3103-7
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/29/22 15:53	09/30/22 19:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/29/22 15:53	09/30/22 19:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/29/22 15:53	09/30/22 19:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/29/22 15:53	09/30/22 19:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/29/22 15:53	09/30/22 19:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/29/22 15:53	09/30/22 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*09/29/22 15:53*	*09/30/22 19:58*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Client Sample ID: FS04
Date Collected: 09/28/22 13:45
Date Received: 09/28/22 16:21
Sample Depth: 2'

Lab Sample ID: 890-3103-7
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*09/29/22 15:53*	*09/30/22 19:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/30/22 20:54	1

Method: 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			09/30/22 20:38	1

Method: 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		09/30/22 08:47	09/30/22 13:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 13:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*09/30/22 08:47*	*09/30/22 13:48*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/30/22 08:47*	*09/30/22 13:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**156**		5.03		mg/Kg			09/30/22 15:44	1

Client Sample ID: SW01
Date Collected: 09/28/22 13:20
Date Received: 09/28/22 16:21
Sample Depth: 0 - 2'

Lab Sample ID: 890-3103-8
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/29/22 15:53	09/30/22 20:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/22 15:53	09/30/22 20:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/22 15:53	09/30/22 20:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/29/22 15:53	09/30/22 20:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/22 15:53	09/30/22 20:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/29/22 15:53	09/30/22 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*09/29/22 15:53*	*09/30/22 20:24*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/29/22 15:53*	*09/30/22 20:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/30/22 20:54	1

Method: 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			09/30/22 20:38	1

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Client Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Client Sample ID: SW01
Date Collected: 09/28/22 13:20
Date Received: 09/28/22 16:21
Sample Depth: 0 - 2'

Lab Sample ID: 890-3103-8
Matrix: Solid

Method: 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		09/30/22 08:47	09/30/22 14:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 14:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*09/30/22 08:47*	*09/30/22 14:10*	*1*
o-Terphenyl	*100*		*70 - 130*	*09/30/22 08:47*	*09/30/22 14:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.3**		5.00		mg/Kg			09/30/22 15:49	1

Client Sample ID: SW02
Date Collected: 09/28/22 13:25
Date Received: 09/28/22 16:21
Sample Depth: 0 - 2'

Lab Sample ID: 890-3103-9
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/29/22 15:53	09/30/22 20:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/29/22 15:53	09/30/22 20:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/29/22 15:53	09/30/22 20:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/29/22 15:53	09/30/22 20:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/29/22 15:53	09/30/22 20:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/29/22 15:53	09/30/22 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*09/29/22 15:53*	*09/30/22 20:50*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*09/29/22 15:53*	*09/30/22 20:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/30/22 20:54	1

Method: 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			09/30/22 20:38	1

Method: 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		09/30/22 08:47	09/30/22 14:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 14:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*09/30/22 08:47*	*09/30/22 14:31*	*1*
o-Terphenyl	*92*		*70 - 130*	*09/30/22 08:47*	*09/30/22 14:31*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Client Sample ID: SW02

Date Collected: 09/28/22 13:25
Date Received: 09/28/22 16:21
Sample Depth: 0 - 2'

Lab Sample ID: 890-3103-9

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.2		5.00		mg/Kg			09/30/22 15:54	1

Surrogate Summary

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-3103-1	SS05	105	98
890-3103-1 MS	SS05	100	92
890-3103-1 MSD	SS05	110	114
890-3103-2	SS06	101	90
890-3103-3	SS07	111	99
890-3103-4	FS01	113	99
890-3103-5	FS02	104	93
890-3103-6	FS03	123	99
890-3103-7	FS04	120	106
890-3103-8	SW01	115	96
890-3103-9	SW02	108	91
LCS 880-35720/1-A	Lab Control Sample	103	103
LCSD 880-35720/2-A	Lab Control Sample Dup	108	108
MB 880-35720/5-A	Method Blank	70	92

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-19834-A-1-B MS	Matrix Spike	124	80
880-19834-A-1-C MSD	Matrix Spike Duplicate	134 S1+	88
890-3103-1	SS05	97	90
890-3103-2	SS06	87	73
890-3103-3	SS07	99	86
890-3103-4	FS01	104	101
890-3103-5	FS02	108	101
890-3103-6	FS03	88	80
890-3103-7	FS04	102	99
890-3103-8	SW01	102	100
890-3103-9	SW02	93	92
LCS 880-35754/2-A	Lab Control Sample	101	98
LCSD 880-35754/3-A	Lab Control Sample Dup	107	101
MB 880-35754/1-A	Method Blank	115	108

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35720/5-A
Matrix: Solid
Analysis Batch: 35814

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35720

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/29/22 15:53	09/30/22 16:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/22 15:53	09/30/22 16:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/22 15:53	09/30/22 16:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/29/22 15:53	09/30/22 16:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/22 15:53	09/30/22 16:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/29/22 15:53	09/30/22 16:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*70 - 130*	*09/29/22 15:53*	*09/30/22 16:57*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*09/29/22 15:53*	*09/30/22 16:57*	*1*

Lab Sample ID: LCS 880-35720/1-A
Matrix: Solid
Analysis Batch: 35814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35720

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1096		mg/Kg		110	70 - 130		
Toluene			0.100	0.09873		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.1077		mg/Kg		108	70 - 130		
m-Xylene & p-Xylene			0.200	0.2162		mg/Kg		108	70 - 130		
o-Xylene			0.100	0.1083		mg/Kg		108	70 - 130		

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

Lab Sample ID: LCSD 880-35720/2-A
Matrix: Solid
Analysis Batch: 35814

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35720

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1096		mg/Kg		110	70 - 130	0	35
Toluene			0.100	0.1001		mg/Kg		100	70 - 130	1	35
Ethylbenzene			0.100	0.09889		mg/Kg		99	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.2044		mg/Kg		102	70 - 130	6	35
o-Xylene			0.100	0.1077		mg/Kg		108	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 890-3103-1 MS
Matrix: Solid
Analysis Batch: 35814

Client Sample ID: SS05
Prep Type: Total/NA
Prep Batch: 35720

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.100	0.07929		mg/Kg		79	70 - 130		
Toluene	<0.00201	U	0.100	0.07010		mg/Kg		70	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

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

Lab Sample ID: 890-3103-1 MS
Matrix: Solid
Analysis Batch: 35814

Client Sample ID: SS05
Prep Type: Total/NA
Prep Batch: 35720

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1	0.100	0.05866	F1	mg/Kg		58	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.201	0.1149	F1	mg/Kg		57	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.05781	F1	mg/Kg		58	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 890-3103-1 MSD
Matrix: Solid
Analysis Batch: 35814

Client Sample ID: SS05
Prep Type: Total/NA
Prep Batch: 35720

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.08129		mg/Kg		82	70 - 130	2	35
Toluene	<0.00201	U	0.0990	0.07007		mg/Kg		71	70 - 130	0	35
Ethylbenzene	<0.00201	U F1	0.0990	0.05609	F1	mg/Kg		57	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U F1	0.198	0.1078	F1	mg/Kg		54	70 - 130	6	35
o-Xylene	<0.00201	U F1	0.0990	0.05517	F1	mg/Kg		56	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

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

Lab Sample ID: MB 880-35754/1-A
Matrix: Solid
Analysis Batch: 35736

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35754

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		09/30/22 08:47	09/30/22 09:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 09:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 09:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*09/30/22 08:47*	*09/30/22 09:28*	*1*
o-Terphenyl	*108*		*70 - 130*	*09/30/22 08:47*	*09/30/22 09:28*	*1*

Lab Sample ID: LCS 880-35754/2-A
Matrix: Solid
Analysis Batch: 35736

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35754

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	753.2		mg/Kg		75	70 - 130
Diesel Range Organics (Over C10-C28)			1000	962.9		mg/Kg		96	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

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

Lab Sample ID: LCS 880-35754/2-A
Matrix: Solid
Analysis Batch: 35736

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35754

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: LCSD 880-35754/3-A
Matrix: Solid
Analysis Batch: 35736

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35754

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	781.3		mg/Kg		78	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	998.5		mg/Kg		100	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 880-19834-A-1-B MS
Matrix: Solid
Analysis Batch: 35736

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35754

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1040		998	1890		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	1690		998	2765		mg/Kg		108	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 880-19834-A-1-C MSD
Matrix: Solid
Analysis Batch: 35736

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 35754

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	1040		999	1986		mg/Kg		94	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1690		999	2948		mg/Kg		126	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	134	S1+	70 - 130
o-Terphenyl	88		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35792/1-A
Matrix: Solid
Analysis Batch: 35813

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/30/22 13:29	1

Lab Sample ID: LCS 880-35792/2-A
Matrix: Solid
Analysis Batch: 35813

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	243.5		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-35792/3-A
Matrix: Solid
Analysis Batch: 35813

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	245.0		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 890-3107-A-9-D MS
Matrix: Solid
Analysis Batch: 35813

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	53.3		250	297.7		mg/Kg		98	90 - 110		

Lab Sample ID: 890-3107-A-9-E MSD
Matrix: Solid
Analysis Batch: 35813

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	53.3		250	298.7		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

GC VOA

Prep Batch: 35720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3103-1	SS05	Total/NA	Solid	5035	
890-3103-2	SS06	Total/NA	Solid	5035	
890-3103-3	SS07	Total/NA	Solid	5035	
890-3103-4	FS01	Total/NA	Solid	5035	
890-3103-5	FS02	Total/NA	Solid	5035	
890-3103-6	FS03	Total/NA	Solid	5035	
890-3103-7	FS04	Total/NA	Solid	5035	
890-3103-8	SW01	Total/NA	Solid	5035	
890-3103-9	SW02	Total/NA	Solid	5035	
MB 880-35720/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35720/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35720/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3103-1 MS	SS05	Total/NA	Solid	5035	
890-3103-1 MSD	SS05	Total/NA	Solid	5035	

Analysis Batch: 35814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3103-1	SS05	Total/NA	Solid	8021B	35720
890-3103-2	SS06	Total/NA	Solid	8021B	35720
890-3103-3	SS07	Total/NA	Solid	8021B	35720
890-3103-4	FS01	Total/NA	Solid	8021B	35720
890-3103-5	FS02	Total/NA	Solid	8021B	35720
890-3103-6	FS03	Total/NA	Solid	8021B	35720
890-3103-7	FS04	Total/NA	Solid	8021B	35720
890-3103-8	SW01	Total/NA	Solid	8021B	35720
890-3103-9	SW02	Total/NA	Solid	8021B	35720
MB 880-35720/5-A	Method Blank	Total/NA	Solid	8021B	35720
LCS 880-35720/1-A	Lab Control Sample	Total/NA	Solid	8021B	35720
LCSD 880-35720/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35720
890-3103-1 MS	SS05	Total/NA	Solid	8021B	35720
890-3103-1 MSD	SS05	Total/NA	Solid	8021B	35720

Analysis Batch: 35858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3103-1	SS05	Total/NA	Solid	Total BTEX	
890-3103-2	SS06	Total/NA	Solid	Total BTEX	
890-3103-3	SS07	Total/NA	Solid	Total BTEX	
890-3103-4	FS01	Total/NA	Solid	Total BTEX	
890-3103-5	FS02	Total/NA	Solid	Total BTEX	
890-3103-6	FS03	Total/NA	Solid	Total BTEX	
890-3103-7	FS04	Total/NA	Solid	Total BTEX	
890-3103-8	SW01	Total/NA	Solid	Total BTEX	
890-3103-9	SW02	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 35736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3103-1	SS05	Total/NA	Solid	8015B NM	35754
890-3103-2	SS06	Total/NA	Solid	8015B NM	35754
890-3103-3	SS07	Total/NA	Solid	8015B NM	35754

QC Association Summary

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

GC Semi VOA (Continued)

Analysis Batch: 35736 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3103-4	FS01	Total/NA	Solid	8015B NM	35754
890-3103-5	FS02	Total/NA	Solid	8015B NM	35754
890-3103-6	FS03	Total/NA	Solid	8015B NM	35754
890-3103-7	FS04	Total/NA	Solid	8015B NM	35754
890-3103-8	SW01	Total/NA	Solid	8015B NM	35754
890-3103-9	SW02	Total/NA	Solid	8015B NM	35754
MB 880-35754/1-A	Method Blank	Total/NA	Solid	8015B NM	35754
LCS 880-35754/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	35754
LCSD 880-35754/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	35754
880-19834-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	35754
880-19834-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	35754

Prep Batch: 35754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3103-1	SS05	Total/NA	Solid	8015NM Prep	
890-3103-2	SS06	Total/NA	Solid	8015NM Prep	
890-3103-3	SS07	Total/NA	Solid	8015NM Prep	
890-3103-4	FS01	Total/NA	Solid	8015NM Prep	
890-3103-5	FS02	Total/NA	Solid	8015NM Prep	
890-3103-6	FS03	Total/NA	Solid	8015NM Prep	
890-3103-7	FS04	Total/NA	Solid	8015NM Prep	
890-3103-8	SW01	Total/NA	Solid	8015NM Prep	
890-3103-9	SW02	Total/NA	Solid	8015NM Prep	
MB 880-35754/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-35754/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-35754/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19834-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-19834-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 35857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3103-1	SS05	Total/NA	Solid	8015 NM	
890-3103-2	SS06	Total/NA	Solid	8015 NM	
890-3103-3	SS07	Total/NA	Solid	8015 NM	
890-3103-4	FS01	Total/NA	Solid	8015 NM	
890-3103-5	FS02	Total/NA	Solid	8015 NM	
890-3103-6	FS03	Total/NA	Solid	8015 NM	
890-3103-7	FS04	Total/NA	Solid	8015 NM	
890-3103-8	SW01	Total/NA	Solid	8015 NM	
890-3103-9	SW02	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 35792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3103-1	SS05	Soluble	Solid	DI Leach	
890-3103-2	SS06	Soluble	Solid	DI Leach	
890-3103-3	SS07	Soluble	Solid	DI Leach	
890-3103-4	FS01	Soluble	Solid	DI Leach	
890-3103-5	FS02	Soluble	Solid	DI Leach	
890-3103-6	FS03	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

HPLC/IC (Continued)

Leach Batch: 35792 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3103-7	FS04	Soluble	Solid	DI Leach	
890-3103-8	SW01	Soluble	Solid	DI Leach	
890-3103-9	SW02	Soluble	Solid	DI Leach	
MB 880-35792/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-35792/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-35792/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3107-A-9-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3107-A-9-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 35813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3103-1	SS05	Soluble	Solid	300.0	35792
890-3103-2	SS06	Soluble	Solid	300.0	35792
890-3103-3	SS07	Soluble	Solid	300.0	35792
890-3103-4	FS01	Soluble	Solid	300.0	35792
890-3103-5	FS02	Soluble	Solid	300.0	35792
890-3103-6	FS03	Soluble	Solid	300.0	35792
890-3103-7	FS04	Soluble	Solid	300.0	35792
890-3103-8	SW01	Soluble	Solid	300.0	35792
890-3103-9	SW02	Soluble	Solid	300.0	35792
MB 880-35792/1-A	Method Blank	Soluble	Solid	300.0	35792
LCS 880-35792/2-A	Lab Control Sample	Soluble	Solid	300.0	35792
LCSD 880-35792/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	35792
890-3107-A-9-D MS	Matrix Spike	Soluble	Solid	300.0	35792
890-3107-A-9-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	35792

Lab Chronicle

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Client Sample ID: SS05
Date Collected: 09/28/22 13:15
Date Received: 09/28/22 16:21

Lab Sample ID: 890-3103-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	35720	09/29/22 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35814	09/30/22 17:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35858	09/30/22 20:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35857	09/30/22 20:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 11:37	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	35792	09/30/22 10:35	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	35813	09/30/22 15:06	CH	EET MID

Client Sample ID: SS06
Date Collected: 09/28/22 13:05
Date Received: 09/28/22 16:21

Lab Sample ID: 890-3103-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35720	09/29/22 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35814	09/30/22 17:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35858	09/30/22 20:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35857	09/30/22 20:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 11:59	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	35792	09/30/22 10:35	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	35813	09/30/22 15:10	CH	EET MID

Client Sample ID: SS07
Date Collected: 09/28/22 13:10
Date Received: 09/28/22 16:21

Lab Sample ID: 890-3103-3
Matrix: Solid

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	35720	09/29/22 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35814	09/30/22 18:14	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35858	09/30/22 20:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35857	09/30/22 20:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 12:20	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	35792	09/30/22 10:35	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	35813	09/30/22 15:25	CH	EET MID

Client Sample ID: FS01
Date Collected: 09/28/22 13:30
Date Received: 09/28/22 16:21

Lab Sample ID: 890-3103-4
Matrix: Solid

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	35720	09/29/22 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35814	09/30/22 18:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35858	09/30/22 20:54	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Client Sample ID: FS01
Date Collected: 09/28/22 13:30
Date Received: 09/28/22 16:21

Lab Sample ID: 890-3103-4
Matrix: Solid

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			35857	09/30/22 20:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 12:42	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	35792	09/30/22 10:35	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	35813	09/30/22 15:30	CH	EET MID

Client Sample ID: FS02
Date Collected: 09/28/22 13:35
Date Received: 09/28/22 16:21

Lab Sample ID: 890-3103-5
Matrix: Solid

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	35720	09/29/22 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35814	09/30/22 19:06	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35858	09/30/22 20:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35857	09/30/22 20:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 13:04	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	35792	09/30/22 10:35	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	35813	09/30/22 15:35	CH	EET MID

Client Sample ID: FS03
Date Collected: 09/28/22 13:40
Date Received: 09/28/22 16:21

Lab Sample ID: 890-3103-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35720	09/29/22 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35814	09/30/22 19:32	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35858	09/30/22 20:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35857	09/30/22 20:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 13:26	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	35792	09/30/22 10:35	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	35813	09/30/22 15:40	CH	EET MID

Client Sample ID: FS04
Date Collected: 09/28/22 13:45
Date Received: 09/28/22 16:21

Lab Sample ID: 890-3103-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	35720	09/29/22 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35814	09/30/22 19:58	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35858	09/30/22 20:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35857	09/30/22 20:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 13:48	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Client Sample ID: FS04
Date Collected: 09/28/22 13:45
Date Received: 09/28/22 16:21

Lab Sample ID: 890-3103-7
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			4.97 g	50 mL	35792	09/30/22 10:35	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	35813	09/30/22 15:44	CH	EET MID

Client Sample ID: SW01
Date Collected: 09/28/22 13:20
Date Received: 09/28/22 16:21

Lab Sample ID: 890-3103-8
Matrix: Solid

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	35720	09/29/22 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35814	09/30/22 20:24	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35858	09/30/22 20:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35857	09/30/22 20:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 14:10	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	35792	09/30/22 10:35	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	35813	09/30/22 15:49	CH	EET MID

Client Sample ID: SW02
Date Collected: 09/28/22 13:25
Date Received: 09/28/22 16:21

Lab Sample ID: 890-3103-9
Matrix: Solid

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	35720	09/29/22 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35814	09/30/22 20:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35858	09/30/22 20:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35857	09/30/22 20:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 14:31	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	35792	09/30/22 10:35	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	35813	09/30/22 15:54	CH	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: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

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	T104704400-22-24	06-30-23

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: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

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	MCAWW	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
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
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: Eata Fajita B CTB

Job ID: 890-3103-1
SDG: 03D2024075

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3103-1	SS05	Solid	09/28/22 13:15	09/28/22 16:21	0.5'
890-3103-2	SS06	Solid	09/28/22 13:05	09/28/22 16:21	0.5'
890-3103-3	SS07	Solid	09/28/22 13:10	09/28/22 16:21	0.5'
890-3103-4	FS01	Solid	09/28/22 13:30	09/28/22 16:21	2'
890-3103-5	FS02	Solid	09/28/22 13:35	09/28/22 16:21	2'
890-3103-6	FS03	Solid	09/28/22 13:40	09/28/22 16:21	2'
890-3103-7	FS04	Solid	09/28/22 13:45	09/28/22 16:21	2'
890-3103-8	SW01	Solid	09/28/22 13:20	09/28/22 16:21	0 - 2'
890-3103-9	SW02	Solid	09/28/22 13:25	09/28/22 16:21	0 - 2'

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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

Work Order No: _____

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Project Manager:	Hadlie Green	Bill to: (if different)	Kalei Jennings
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:	Email:		kjennings@ensolum.com, 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:

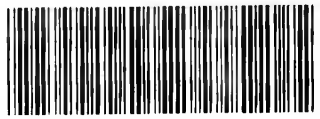
Project Name:	Eata Fajita B CTB	Turn Around	☐ Routine ☑ Rush
Project Number:	03D2024075	Due Date:	24 Hr
Project Location:		TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Conner Shore		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TAM-007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	3.2
Total Containers:		Corrected Temperature:	3.0

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	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)
SS05	S	09.28.22	1315	0.5'	G	1		X	X	X
SS06	S	09.28.22	1305	0.5'	G	1		X	X	X
SS07	S	09.28.22	1310	0.5'	G	1		X	X	X
FS01	S	09.28.22	1330	2'	C	1		X	X	X
FS02	S	09.28.22	1335	2'	C	1		X	X	X
FS03	S	09.28.22	1340	2'	C	1		X	X	X
FS04	S	09.28.22	1345	2'	C	1		X	X	X
~~SW01~~	~~S~~	~~09.28.22~~	~~1320~~	~~2'~~	~~C~~	~~1~~		~~X~~	~~X~~	~~X~~
SW02	S	09.28.22	1325	2'	C	1		X	X	X



Sample Comments

Incident Number
NAPP2220244157

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Amanda Sluff	9/28/22 1621	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3103-1
SDG Number: 03D2024075

Login Number: 3103
List Number: 1
Creator: Stutzman, Amanda

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.	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	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3103-1
SDG Number: 03D2024075

Login Number: 3103
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 09/30/22 10:28 AM

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	

ENSOLUM

APPENDIX E

NMOCD Notifications

From: Nobui, Jennifer, EMNRD
To: Kalei Jennings
Cc: Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Subject: FW: [EXTERNAL] Containment Inspection - Eata Fajita B CTB (Incident Number NAPP2220244157)
Date: Monday, August 22, 2022 11:24:27 AM
Attachments: image001.png
image002.png
image003.png
image004.png

[**EXTERNAL EMAIL**]

Kalei

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Sent: Monday, August 22, 2022 10:16 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Subject: Fw: [EXTERNAL] Containment Inspection - Eata Fajita B CTB (Incident Number NAPP2220244157)

From: Kalei Jennings <kjennings@ensolum.com>
Sent: Monday, August 22, 2022 9:18 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Subject: [EXTERNAL] Containment Inspection - Eata Fajita B CTB (Incident Number NAPP2220244157)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

To Whom It May Concern,

Below is a 48-hour email notification for liner inspection at ConocoPhillips (COP) Eata Fajita B CTB (Incident Number NAPP2220244157) / Spill Date 07/12/2022. This is a 48-hour notification that Ensolum is scheduled to inspect this lined containment on behalf of COP on Thursday August 25, 2022, at 8:30 MST. Please call with any questions or concerns.

GPS: 32.22607, -103.59196

Thank you,

Kalei Jennings
Senior Scientist
817-683-2503
Ensolum, LLC

From: Nobui, Jennifer, EMNRD
To: Kalei Jennings
Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Subject: FW: [EXTERNAL] COP- Sampling Notification (Week of 09/26/22-09/30/22)
Date: Thursday, September 22, 2022 3:13:44 PM
Attachments: image001.png
image002.png
image003.png
image004.png

[**EXTERNAL EMAIL**]

Kalei

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, September 22, 2022 2:08 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: Fw: [EXTERNAL] COP- Sampling Notification (Week of 09/26/22-09/30/22)

From: Kalei Jennings <kjennings@ensolum.com>
Sent: Thursday, September 22, 2022 2:07 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] COP- Sampling Notification (Week of 09/26/22-09/30/22)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

COP plans to complete final sampling activities at the following sites the week of September 26, 2022.

Monday:

- Windward 4H Flowline / NAPP2218850477

Tuesday:

Wednesday:

- Zia Hills 1A/B BTF / NAPP2216037138
- Eata Fajita / NAPP2220244157

Thursday:

- Zia Hills 1A/B BTF / NAPP2216037138

Friday:

Thank you,

Kalei Jennings
Senior Scientist
817-683-2503
Ensolum, LLC

ENSOLUM

APPENDIX F

Final C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2220244157
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2220244157
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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.
- ☐ The impacted area has been secured to protect human health and the environment.
- ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 07/21/2022

L48 Spill Volume Estimate Form

nber:	Eata fajita B
Asset Area:	Delaware basin east north
Release Discovery Date & Time:	7/12/2022 8:00AM
Release Type:	Oil Mixture
Provide any known details about the event:	Man way gasket on back of KO failed

Spill Calculation - On Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated *Pool* Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	116.0	58.0	1.00	3	6728.000	0.028	33.266	0.001	33.312	25.00%	8.328	24.984
Rectangle B	52.0	55.0	2.00	3	2860.000	0.056	28.282	0.003	28.361	25.00%	7.090	21.271
Rectangle C					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
								Total Volume Release:	61.673		15.418	46.255

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 127773

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 127773
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	7/21/2022

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2220244157
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2220244157
District RP	
Facility ID	
Application ID	

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.

Printed Name: ___Charles Beauvais_____ Title: _Senior Environmental Engineer_____

Signature: Charles R. Beauvais II Date: __10/10/2022_____

email: _Charles.R.Beauvais@conocophillips.com _____ Telephone: ___575-988-2043_____

OCD Only

Received by: ___Jocelyn Harimon_____ Date: ___10/10/2022___

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2220244157
District RP	
Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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.

Printed Name: Charles Beauvais Title: Senior Environmental Engineer

Signature: Charles R. Beauvais II Date: 10/10/2022

email: Charles.R.Beauvais@conocophillips.com Telephone: 575-988-2043

OCD Only

Received by: Jocelyn Harimon Date: 10/10/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Michael Buchanan Date: 04/19/2023

Printed Name: Mike Buchanan Title: Environmental Specialist

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 149779

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 149779
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	4/19/2023