

October 14, 2024

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department 1220 South St. Francis Drive Santa Fe. New Mexico 87505

Re: Closure Request

MCA Unit 151 Flowline Release Incident Numbers nAPP2328619341 and nAPP2420871904

Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Maverick Permian, LLC (Maverick), has prepared this *Closure Request* as a follow-up to the *Remediation Work Plan* (*Work Plan*) submitted to the New Mexico Oil Conservation Division (NMOCD) on May 7, 2024, and approved by NMOCD on May 13, 2024. This *Closure Request* documents the delineation and excavation activities performed at the MCA Unit 151 Flowline Release (Site) to address impacts to soil resulting from two releases of crude oil and produced water at the Site. Based on the remediation activities completed as outlined in the approved *Work Plan*, Maverick is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Numbers nAPP2328619341 and nAPP2420871904.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit F, Section 28, Township 17 South, Range 32 East, in Lea County, New Mexico (32.8080° N, -103.7725° W) and is associated with oil and gas exploration and production operations on Federal Land managed by Bureau of Land Management (BLM).

On October 8, 2023, a flowline rupture resulted in the release of approximately 15 barrels (bbls) of produced water and 1 bbl of crude oil onto the surrounding pasture. No fluids were recovered. Maverick reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on October 26, 2023. The release was assigned Incident Number nAPP2328619341.

On July 26, 2024, a produced water flowline was struck during excavation activities for the above-described Incident Number nAPP2328619341. Approximately 50 bbls of produced water were released within the open excavation and 30 bbls were recovered with a vacuum truck. Maverick reported the release to the NMOCD on July 26, 2024. The release was assigned Incident Number nAPP2420871904.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC).

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, NM 88220 | ensolum.com

Page 2

Results from the characterization were detailed in the approved *Work Plan* and are summarized below. Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be between 51 feet and 100 feet below ground surface (bgs) based on the nearest available groundwater well data. The closest permitted groundwater wells with depth to groundwater data are New Mexico Office of the State Engineer (NMOSE) wells RA 12020 POD 1 and RA 12721-POD 2 which are temporary monitoring wells installed to monitor groundwater impacts associated with a release north of the Site at the Maljamar Gas Plant. The monitoring wells are located approximately 950 feet to 1,050 feet north and south of the Site and have a reported depth to groundwater ranging from 75 feet to 81 feet. The monitoring wells were installed to investigate subsurface impacts and conduct long-term monitoring of affected groundwater. They are not utilized for beneficial use and will be plugged and abandoned upon completion of corrective action. The referenced well records are provided in Appendix A.

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

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the pasture area that was impacted by the release, per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation.

SITE ASSESSMENT ACTIVITIES

On October 19, 2023, Tetra Tech personnel were at the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Soil borings SB-1 and SB-3 through SB-11 were advanced via hand auger around the release extent to confirm the lateral extent of the surface release. The soil borings were advanced to a depth of 1-foot bgs. Discrete delineation soil samples were collected from soil borings at depths ranging from the ground surface to 1-foot bgs.

Soil borings SB-2 and SB-12 through SB-16 were advanced via hand auger within the release extent to assess the vertical extent of the release. The soil borings were advanced to a depth of 4 feet bgs. Discrete delineation soil samples were collected from soil borings at depths ranging from the ground surface to 4 feet bgs. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation of the release is included in Appendix B.



Page 3

The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following constituents of concern (COCs): 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 Standard Method SM4500.

Laboratory analytical results for the delineation soil samples collected from soil borings SB-1 and SB-3 through SB-11, advanced around the release extent, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria and confirmed the lateral extent of the surface release.

Laboratory analytical results for the delineation soil samples collected from soil borings SB-2 and SB-12 through SB-16, advanced within the release extent, indicated TPH and chloride concentrations exceeded the Site Closure Criteria and/or reclamation requirements at depths ranging from the ground surface to 4 feet below ground surface. Laboratory analytical results are summarized on the attached Table 1.

Based on the soil sample analytical results, a *Work Plan* was submitted to the NMOCD proposing the following delineation and excavation activities:

- Vertical delineation of impacted soil to the most stringent Table I Closure Criteria at the location of soil borings SB-2 and SB-12 through SB-15.
- Excavation of impacted soil to the most stringent Table I Closure Criteria in the top 4 feet and to the Site Closure Criteria at depths greater than 4 feet bgs.
- Collection of sidewall samples at a frequency of every 200 square feet and floor samples at a frequency of every 400 square feet.
- The Work Plan was approved by NMOCD on May 13, 2024.

DELINEATION ACTIVITIES

Between July and September 2024, Ensolum personnel were at the Site to complete additional delineation activities. As outlined in the approved *Work Plan*, soil borings/potholes were advanced at sample points SB-2 and SB-12 through SB-15 to delineate the vertical extent of impacted soil to below the most stringent Table I Closure Criteria. The soil borings were advanced to depths ranging from 8 feet to 16 feet bgs. Soil from the borings was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Final depth of the soil borings was determined by field screening results indicating compliance with the most stringent Table I Closure Criteria. Field screening results and observations from the soil borings were logged on lithologic soil sampling logs, which are included in Appendix C. Discrete delineation soil samples were collected from the soil borings at depths ranging from 5 feet to 16 feet bgs.

The soil samples were collected, handled, and analyzed as described above at Cardinal Laboratories in Hobbs, New Mexico. The delineation soil sample locations are presented on Figure 2. Photographic documentation was completed during the delineation activities. A photographic log is included in Appendix B.

Laboratory analytical results for the delineation samples from soil borings SB-2 and SB-12 through SB-15 advanced within the release extent, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria at depths ranging from 5 feet to 14 feet bgs.



Page 4

The laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical reports are included in Appendix D.

A produced water line was struck on July 26, 2024, during remediation activities for Incident Number nAPP2328619341. The released produced water was contained within the open excavation. The release was reported to the NMOCD and was assigned Incident Number nAPP2420871904. The release extent is depicted on Figure 2 and encompassed the area around delineation soil boring SB-13. The final vertical delineation samples were collected from SB-13 after the second release occurred. Additionally, soil borings SB-17 and SB-18 were advanced to the east and west of the release area to confirm that no release fluids escaped the open excavation. Laboratory analytical results for the delineation samples from soil borings SB-17 and SB-18 indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria. Remediation of the July 26, 2024, release was completed in coordination with the on-going excavation activities for Incident Number nAPP2328619341.

EXCAVATION ACTIVITIES

Between July and September 2024, Ensolum personnel were at the Site to oversee excavation of impacted soil based on the delineation soil sample analytical results and as outlined in the approved *Work Plan*. To direct excavation activities, soil was field screened for VOCs and chloride. Excavation activities were performed utilizing a hydro-vacuum, hand shovels, track-mounted backhoe and transport vehicles. The excavation was completed to depths ranging from 3 feet to 14 feet bgs.

Following removal of impacted soil, 5-point composite soil samples were collected every 400 square feet from the floor of the excavation and every 200 square feet from the 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 FS34 were collected from the floor of the excavation at depths ranging from 3 feet to 14 feet bgs. Composite soil samples SW01 through SW19 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 13 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 were mapped utilizing a handheld GPS and are presented on Figure 3.

Laboratory analytical results for excavation floor samples FS01 through FS34 and excavation sidewall samples SW01 through SW19, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirements, where applicable. Laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included as Appendix D.

The excavation measured approximately 13,200 square feet in areal extent. A total of approximately 4,800 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Disposal Facility located in Hobbs, New Mexico.

RECLAMATION ACTIVITIES

Upon completion of excavation activities and receipt of final laboratory analytical results, the excavation was backfilled with locally procured soil. One representative 5-point composite sample (Backfill) was collected from the topsoil backfill material. The backfill soil sample was handled and analyzed following the same procedures as described above. Laboratory analytical results for the backfill soil sample confirmed compliance with the NMOCD requirement for the reclaimed area to contain non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and TPH



Page 5

concentrations less than 100 mg/kg. The laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical report is included as Appendix D.

Following backfill activities, the disturbed pasture area was recontoured to match the surrounding topography and the surface was prepared for seeding. The disturbed pasture area was seeded with the BLM sandy sites seed mix #2 at the rate specified in pounds of pure live seed (PLS) per acre.

Species/Cultivar	PLS/Acre
Sand dropseed (Sporobolus cryptandrus)	1.0
Sand love grass (Eragrostis trichodes)	1.0
Plains bristlegrass (Setaria macrostachya)	2.0

The seed mix was distributed with a drill seeder. Photographs of the reclaimed excavation area are provided in Appendix B.

The Site will be monitored for vegetation growth to ensure that reclamation activities were successful. Focus for this phase will be to prevent erosion and site degradation, and to monitor for and treat invasive and noxious weed species.

- Erosion control of the newly reclaimed areas includes prompt revegetation and contouring of the surface to prevent concentrated surface water flow.
- Annual inspections will take place at the location to assess revegetation progress until vegetation is consistent with local natural vegetation density.
- If necessary, an additional application of the BLM seed mix will be applied.
- Noxious and invasive weeds will be identified and treated by licensed contracted herbicide applicator or mechanically removed.

A *Revegetation Report* will be submitted to the NMOCD once vegetation growth in the reclaimed pasture area has uniform vegetative cover that reflects a life-form ratio of plus or minus fifty percent of predisturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds, per NMAC 19.15.29.13 D.(3).

CLOSURE REQUEST

As outlined in the approved *Work Plan*, delineation and excavation activities were conducted at the Site to address the releases of crude oil and produced water. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirements in the top 4 feet. Additionally, the release was vertically delineated to below the most stringent Table I Closure Criteria. Based on the laboratory analytical results, and excavation and delineation soil sampling activities completed as outlined in the approved *Work Plan*, no further remediation is required.

Initial response efforts and excavation of impacted soil have mitigated impacts at this Site. Depth to groundwater was estimated to be greater than 70 feet bgs at the Site and no sensitive receptors were identified near the release extent. Maverick believes the remedial actions completed are protective of human health, the environment, and groundwater and respectfully requests closure for Incident Numbers nAPP2328619341 and nAPP2420871904.



Page 6

If you have any questions or comments, please contact Ms. Aimee Cole at (720) 384-7365 or acole@ensolum.com.

Sincerely, **Ensolum**, **LLC**

Aimee Cole

Senior Managing Scientist

cc: Bryce Wagoner, Maverick Natural Resources

Bureau of Land Management

Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations
Figure 3 Excavation Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Referenced Well Records

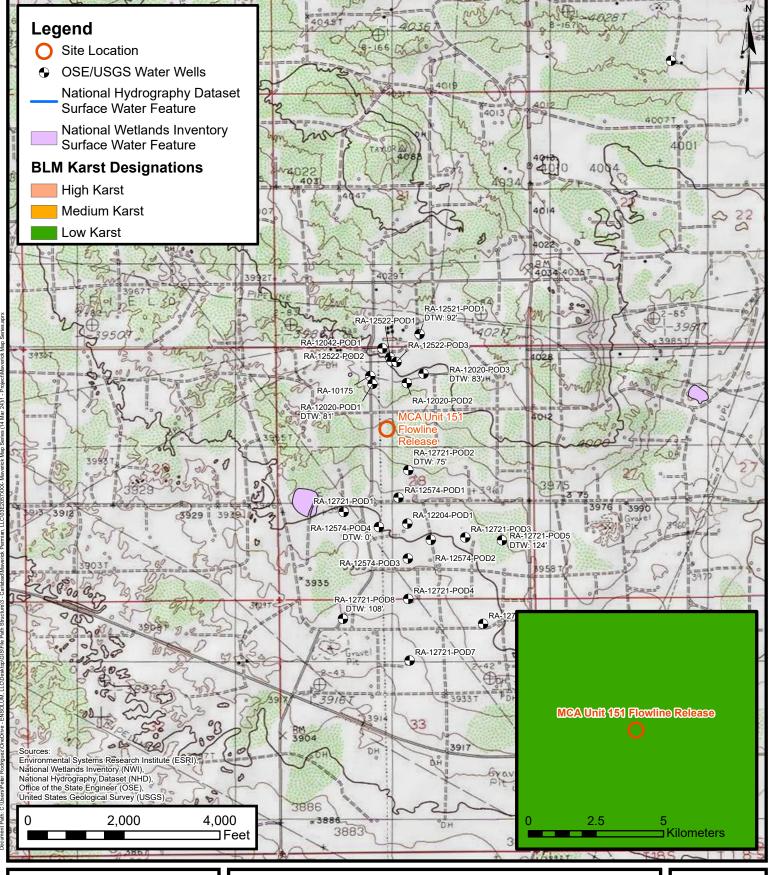
Appendix B Photographic Log

Appendix C Lithologic Soil Sampling Logs

Appendix D Laboratory Analytical Reports & Chain of Custody Documentation



FIGURES



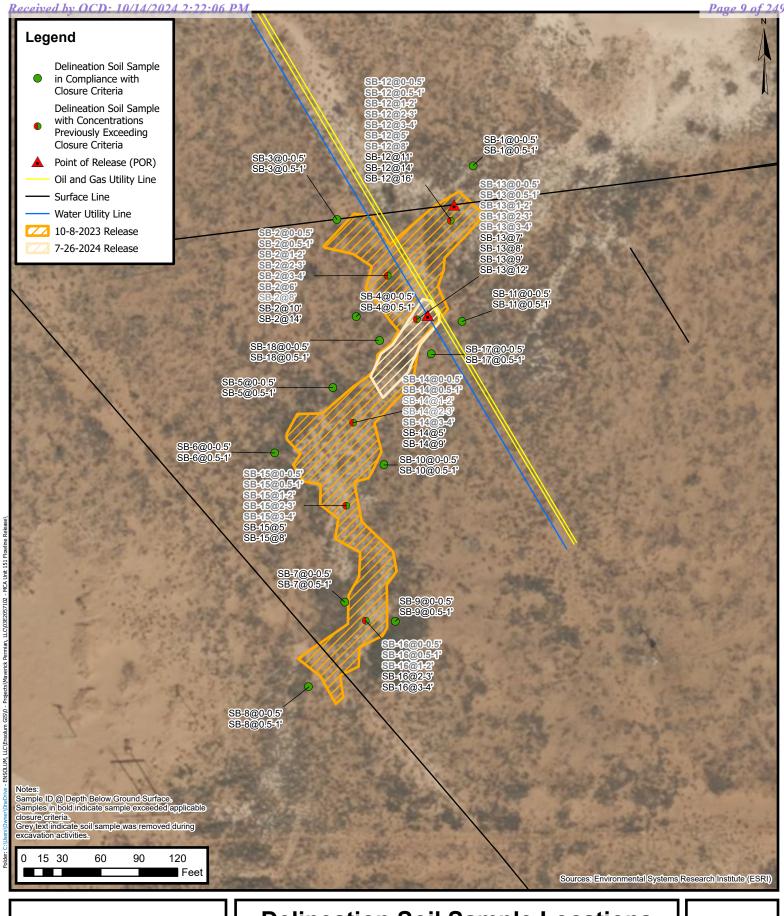


Site Receptor Map

MCA Unit 151 Flowline Release Maverick Permian, LLC

Incident Number: nAPP2328619341 and nAPP2420871904
Unit F, Section 28, Township 17 South, Range 32 East
Lea County, New Mexico

FIGURE 1

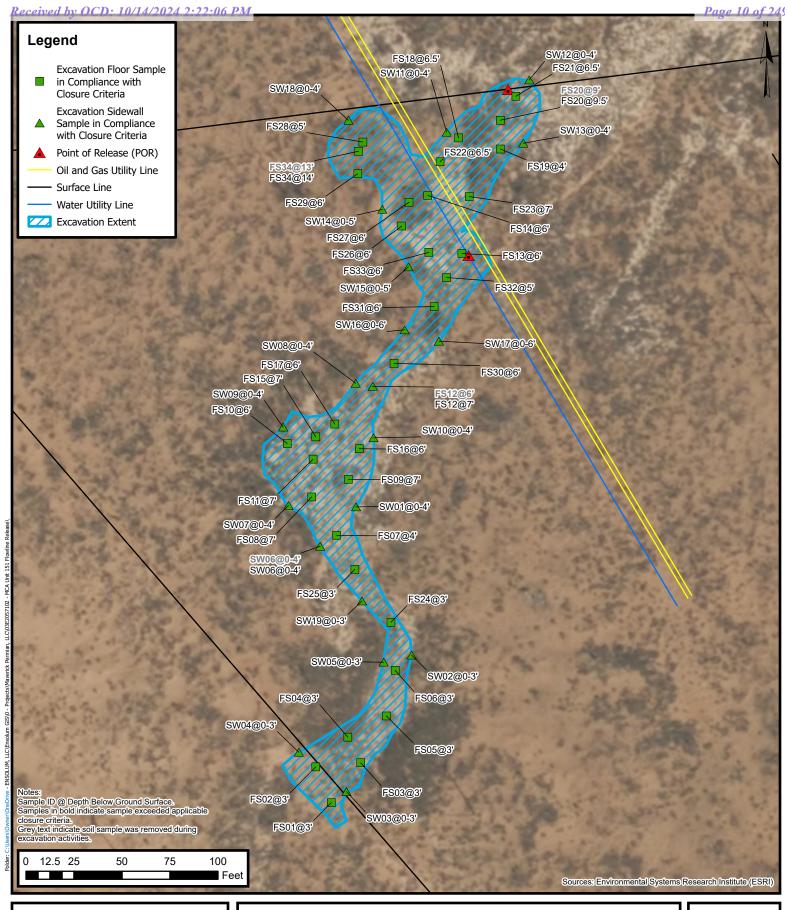




Delineation Soil Sample Locations

Maverick Permian, LLC
MCA Unit 151 Flowline Release
Incident Number: nAPP2328619341 and nAPP2420871904
Unit F, Section 28, Township 17 South, Range 32 East
Lea County, New Mexico

FIGURE 2





Excavation Soil Sample Locations

Maverick Permian, LLC
MCA Unit 151 Flowline Release
Incident Number: nAPP2328619341 and nAPP2420871904
Unit F, Section 28, Township 17 South, Range 32 East
Lea County, New Mexico

FIGURE 3





				Lea C	County, New Me	xico				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Ta	able I Closure Cr 19.15.29)	iteria (NMAC	10	50	NE	NE NE	NE	1,000	2,500	10,000
NMOCD Recla	mation Requiren four feet	nents for the top	NE	NE	NE	NE	NE	NE	100	600
				Delier	neation Soil San	nples				
SB-1	10/19/2023	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-1	10/19/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-2	10/19/2023	0-0.5	< 0.050	<0.300	<50.0	22,100	9,450	22,100	31,550	48.0
SB-2	10/19/2023	0.5-1	< 0.050	0.75	<50.0	14,700	7,230	14,700	21,930	48.0
SB-2	10/19/2023	1-2	< 0.050	<0.300	<50.0	10,900	5,830	10,900	16,730	32.0
SB-2	10/19/2023	2-3	< 0.050	<0.300	<50.0	9,660	4,780	9,660	14,440	<16.0
SB-2	10/19/2023	3-4	< 0.050	<0.300	<50.0	5,550	3,200	5,550	8,750	16.0
SB-2	7/15/2024	6	<0.100	16.6	1,150	15,300	2,790	16,450	19,240	<16.0
SB-2	7/15/2024	8	< 0.050	<0.300	19.7	844	145	864	1,009	3,120
SB-2	9/13/2024	10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SB-2	9/13/2024	14	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SB-3	10/19/2023	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-3	10/19/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-4	10/19/2023	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-4	10/19/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-5	10/19/2023	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-5	10/19/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-6	10/19/2023	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-6	10/19/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-7	10/19/2023	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-7	10/19/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0



SOIL SAMPLE ANALYTICAL RESULTS
MCA Unit 151 Flowline Release
Maverick Permian, LLC
Lea County, New Mexico

				Lea C	County, New Me	XÍCO				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Ta	able I Closure Cri 19.15.29)	iteria (NMAC	10	50	NE	NE	NE	1,000	2,500	10,000
NMOCD Recla	NMOCD Reclamation Requirements for the top four feet			NE	NE	NE	NE	NE	100	600
SB-8	10/19/2023	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-8	10/19/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SB-9	10/19/2023	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-9	10/19/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-10	10/19/2023	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-10	10/19/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SB-11	10/19/2023	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SB-11	10/19/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-12	10/19/2023	0-0.5	23.7	587	8,180	25,800	5,430	33,980	39,410	3,200
SB-12	10/19/2023	0.5-1	13.9	541	6,940	14,300	2,830	21,240	24,070	1,710
SB-12	10/19/2023	1-2	6.50	313	3,610	8,490	1,550	12,100	13,650	2,200
SB-12	10/19/2023	2-3	1.88	147	1,390	3,690	555	5,080	5,635	5,360
SB-12	10/19/2023	3-4	1.53	81.9	2,260	6,770	1,070	9,030	10,100	4,880
SB-12	7/15/2024	5	< 0.050	3.92	366	4,560	656	4,926	5,582	3,000
SB-12	7/15/2024	8	< 0.050	2.80	393	9,840	1,870	10,233	12,103	32.0
SB-12	9/13/2024	11	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
SB-12	9/13/2024	14	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
SB-12	9/13/2024	16	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384



				Lea C	County, New Me	xico				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Ta	able I Closure Cri 19.15.29)	iteria (NMAC	10	50	NE	NE	NE	1,000	2,500	10,000
NMOCD Recla	mation Requiren four feet	nents for the top	NE	NE	NE	NE	NE	NE	100	600
SB-13	10/19/2023	0-0.5	<0.050	132	2,560	15,300	2,970	17,860	20,830	96.0
SB-13	10/19/2023	0.5-1	< 0.050	7.48	229	2,300	469	2,529	2,998	128
SB-13	10/19/2023	1-2	< 0.050	0.84	27	706	155	733	888	256
SB-13	10/19/2023	2-3	< 0.050	0.36	<10.0	421	90	421	511	1,800
SB-13	10/19/2023	3-4	< 0.050	<0.300	<10.0	501	107	501	608	1,710
SB-13	7/12/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,100
SB-13	7/12/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	880
SB-13	9/13/2024	9	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,150
SB-13	9/13/2024	12	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SB-14	10/19/2023	0-0.5	0.12	44.0	1,200	12,400	2,410	13,600	16,010	2,400
SB-14	10/19/2023	0.5-1	< 0.050	<0.300	<10.0	145	24	145	169	1,960
SB-14	10/19/2023	1-2	< 0.050	<0.300	<10.0	34.8	<10.0	34.8	34.8	496
SB-14	10/19/2023	2-3	< 0.050	<0.300	<10.0	80.3	<10.0	80.3	80.3	576
SB-14	10/19/2023	3-4	< 0.050	<0.300	<10.0	496	103	496	599	650
SB-14	7/12/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
SB-14	7/12/2024	9	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SB-15	10/19/2023	0-0.5	<2.00	107	2,820	31,500	6,080	34,320	40,400	2,160
SB-15	10/19/2023	0.5-1	2.93	98.1	2,600	30,500	5,830	33,100	38,930	2,160
SB-15	10/19/2023	1-2	<5.00	26.4	1,300	12,600	1,980	13,900	15,880	1,640
SB-15	10/19/2023	2-3	<0.20	26.6	366	3,020	587	3,386	3,973	288
SB-15	10/19/2023	3-4	< 0.050	2.3	68.8	832	<10.0	901	901	656
SB-15	7/12/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SB-15	7/12/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224



				Lea C	ounty, New Me	xico				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Ta	able I Closure Cr 19.15.29)	iteria (NMAC	10	50	NE	NE	NE	1,000	2,500	10,000
NMOCD Recla	mation Requiren four feet	nents for the top	NE	NE	NE	NE	NE	NE	100	600
SB-16	10/19/2023	0-0.5	<0.050	<0.300	<10.0	1,810	329	1,810	2,139	32.0
SB-16	10/19/2023	0.5-1	< 0.050	<0.300	<10.0	211	59.9	211	271	32.0
SB-16	10/19/2023	1-2	< 0.050	<0.300	<10.0	165	31.8	165	197	32.0
SB-16	10/19/2023	2-3	<0.050	<0.300	<10.0	21.7	<10.0	21.7	21.7	32.0
SB-16	10/19/2023	3-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SB-17	9/27/2024	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SB-17	9/27/2024	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SB-18	9/27/2024	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SB-18	9/27/2024	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
				Excavati	ion Floor Soil S	amples				
FS01*	8/1/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS02*	8/1/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS03*	8/1/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS04*	8/1/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS05*	7/9/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS06*	7/9/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS07	8/1/2024	4	<0.050	<0.300	<10.0	876	215	876	1,091	416
FS08	8/26/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS09	8/26/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS10	8/26/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS11	8/26/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
FS12	9/5/2024	6	<0.050	4.56	121	1,390	242.0	1,511	1,753	528
FS12	9/12/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	960



				Lea C	County, New Me	xico				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Ta	able I Closure Cr 19.15.29)	iteria (NMAC	10	50	NE	NE	NE	1,000	2,500	10,000
NMOCD Recla	mation Requiren four feet	nents for the top	NE	NE	NE	NE	NE	NE	100	600
FS13	8/9/2024	6	<0.050	<0.300	<10.0	148	21.5	148	170	1,780
FS14	8/14/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS15	8/26/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS16	8/26/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS17	8/26/2024	6	<0.050	<0.300	<10.0	127	11.9	127	139	304
FS18	9/9/2024	6.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,040
FS19	8/28/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,840
FS20	9/9/2024	9	1.29	93	795	2,690	396.0	3,485	3,881	4,080
FS20	9/12/2024	9.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,300
FS21	9/9/2024	6.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,600
FS22	8/28/2024	6.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,000
FS23	8/28/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,170
FS24*	8/29/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS25*	8/29/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS26	9/5/2024	6	<0.050	<0.300	<10.0	97.0	31.0	97.0	128	208
FS27	9/5/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS28	9/5/2024	5	<0.050	<0.300	<10.0	568	176.0	568	744	144
FS29	9/5/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS30	9/5/2024	6	<0.050	0.994	34.7	522	75.2	557	632	864
FS31	9/5/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,600
FS32	9/5/2024	5	<0.050	<0.300	<10.0	178	40.7	178	219	272



				Lea C	County, New Me	xico				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Ta	able I Closure Cr 19.15.29)	iteria (NMAC	10	50	NE	NE	NE	1,000	2,500	10,000
NMOCD Recla	mation Requiren four feet	nents for the top	NE	NE	NE	NE	NE	NE	100	600
FS33	9/5/2024	6	<0.050	<0.300	<10.0	21.7	<10.0	21.7	21.7	240
FS34	9/12/2024	13	<0.050	0.6	29.7	1,610	402	1,640	2,042	32.0
FS34	9/16/2024	14	<0.050	<0.300	<10.0	212	45.2	212	257	32.0
				Excavatio	n Sidewall Soil	Samples				
SW01*	8/26/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW01	8/26/2024	4-7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW02*	8/1/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW03*	8/1/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW04*	8/1/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW05*	8/1/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW06*	8/26/2024	0-4	< 0.050	<0.300	<10.0	108	32.7	108	141	48.0
SW06*	9/5/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW07*	8/26/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW07	8/26/2024	4-7	0.06	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW08*	8/1/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW09*	8/26/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW09	8/26/2024	4-7	<0.050	<0.300	<10.0	20.4	<10.0	20.4	20.4	64.0
SW10*	8/26/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW10	8/26/2024	4-6	<0.050	<0.300	<10.0	581	152	581	733	112
SW11*	8/28/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW11	9/9/2024	4-9	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144



SOIL SAMPLE ANALYTICAL RESULTS

MCA Unit 151 Flowline Release Maverick Permian, LLC

Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Ta	able I Closure Cr 19.15.29)	iteria (NMAC	10	50	NE	NE	NE	1,000	2,500	10,000
NMOCD Recla	mation Requiren four feet	nents for the top	NE	NE	NE	NE	NE	NE	100	600
SW12*	8/28/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW12	9/9/2024	4-6.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,470
SW13*	8/28/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SW14*	8/28/2024	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW15*	8/28/2024	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW16*	9/5/2024	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW17*	8/28/2024	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW18*	9/12/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW18	9/12/2024	4-8	<0.050	<0.300	<10.0	14.4	<10.0	14.4	14.4	48.0
SW18	9/12/2024	8-13	<0.050	<0.300	<10.0	212	119	212	331	32.0
SW19*	8/29/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0

Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

NMAC: New Mexico Administrative Code

NMOCD: New Mexico Oil Conservation Division BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

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

Grey text represents samples that have been excavated



APPENDIX A

Referenced Well Records



New Mexico Office of the State Engineer Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

 Well Tag
 POD Number
 Q64 Q16 Q4 Sec Tws Rng
 X
 Y

 NA
 RA 12721 POD2
 1
 1
 4
 28
 17S
 32E
 615055
 3630407

Driller License: 1456 Driller Company: WHITE DRILLING COMPANY

Driller Name: JOHN W WHITE

Drill Start Date: 04/18/2019 Drill Finish Date: 04/19/2019 Plug Date:

Log File Date:05/15/2019PCW Rcv Date:Source:ShallowPump Type:Pipe Discharge Size:Estimated Yield: 0 GPMCasing Size:2.00Depth Well:124 feetDepth Water:75 feet

Water Bearing Stratifications:	Тор	Bottom	Description
	56	99	Sandstone/Gravel/Conglomerate
	99	102	Sandstone/Gravel/Conglomerate
	102	103	Shale/Mudstone/Siltstone
	103	105	Shale/Mudstone/Siltstone
	105	117	Shale/Mudstone/Siltstone
	117	118	Other/Unknown
	118	120	Shale/Mudstone/Siltstone
	120	121	Sandstone/Gravel/Conglomerate
	121	124	Shale/Mudstone/Siltstone
Casing Perforations:	Тор	Bottom	
	0.4	101	

84 124

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec

Q64 Q16 Q4 Sec Tws Rng

X

RA 12020 POD1

2 2 1 28 17S 32E

614828 3630954

Driller License: 1456

Driller Company: WHITE DRILLING COMPANY

Driller Name: WHITE, JOHN (LD)

09/24/2013

Drill Finish Date:

09/25/2013

Plug Date:

C-----

Drill Start Date: Log File Date:

10/07/2013

PCW Rcv Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

2.00

Depth Well: 120 feet

feet Depth Water:

81 feet

Water Bearing Stratifications: Top Bottom Description

70 111 Sandstone/Gravel/Conglomerate
 111 120 Shale/Mudstone/Siltstone

Casing Perforations:

Top Bottom

75 110

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, or suitability for any particular purpose of the data.

4/23/24 1:39 PM

POINT OF DIVERSION SUMMARY



APPENDIX B

Photographic Log

ENSOLUM

Photographic Log

Maverick Permian, LLC
MCA Unit 151 Flowline Release
Incident Number nAPP2328619341 and
nAPP2420871904





Photograph 1 Date: 10/10/2023 Description Release area (nAPP2328619341)

View: South

Photograph 2 Date: 07/26/2024 Description: Release area (nAPP2420871904) View: East





Date: 08/19/2024

Photograph 3 Date: 07/15/2024

Description Excavation activities
View: South

Photograph 4

Description: Excavation activities

View: Southwest

ENSOLUM

Photographic Log

Maverick Permian, LLC MCA Unit 151 Flowline Release Incident Number nAPP2328619341 and nAPP2420871904





Photograph 5

Description Excavation activities

View: West

Photograph 6

Date: 08/29/2024

Description: Excavation activities

View: North





Photograph 7

Date: 09/27/2024

Date: 08/29/2024

Photograph 8

Date: 09/27/2024

Description Backfilled excavation

View: North

Description: Backfilled excavation

View: Southwest

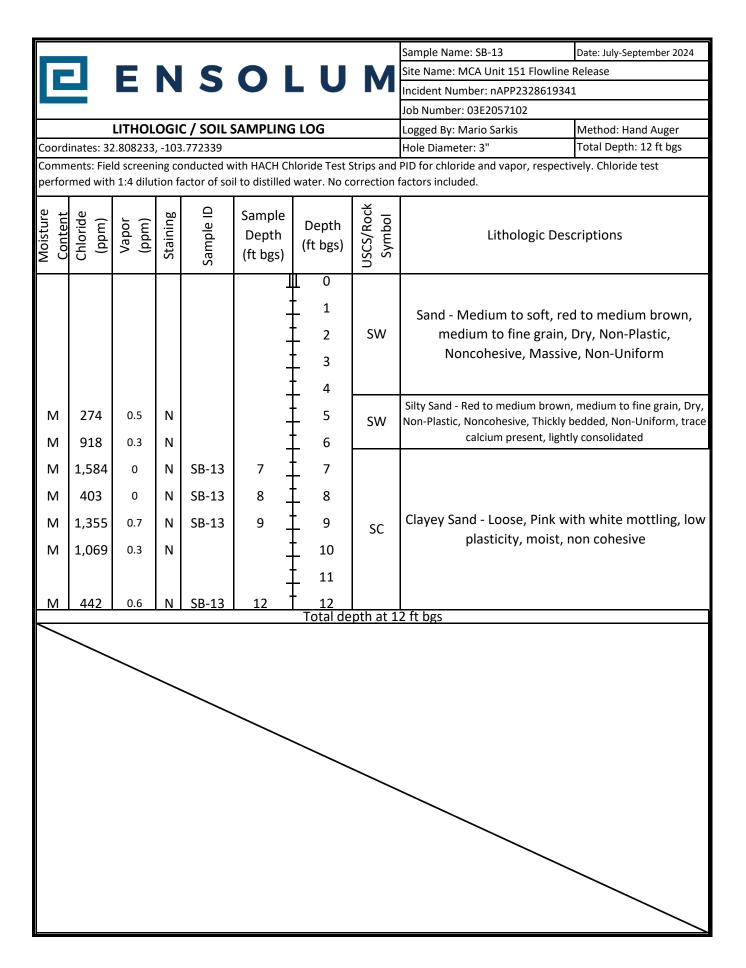


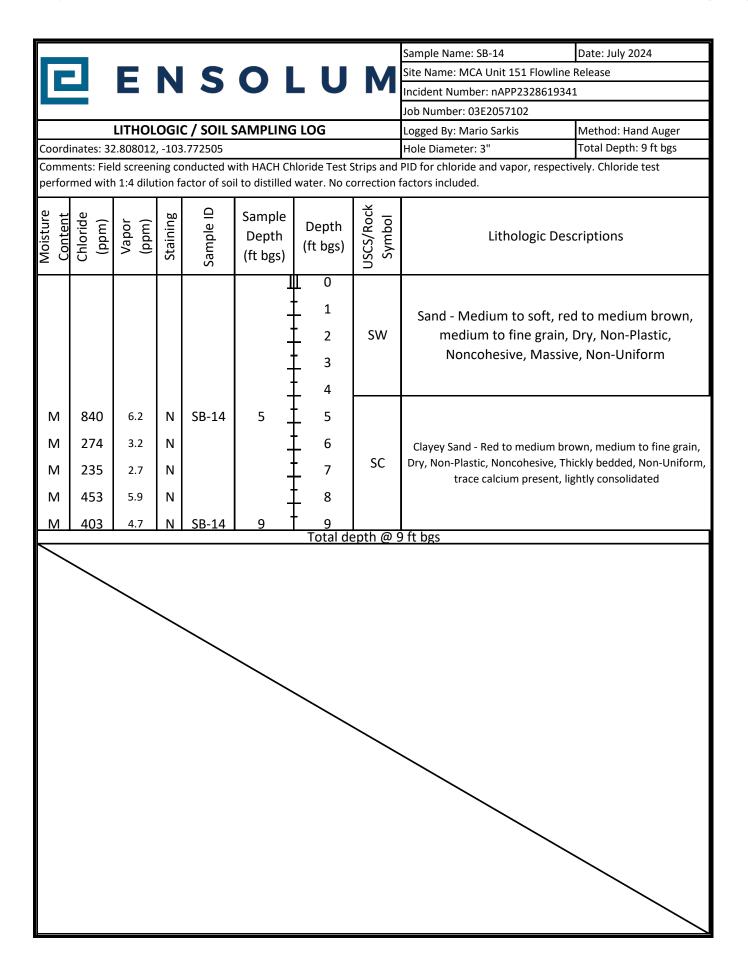
APPENDIX C

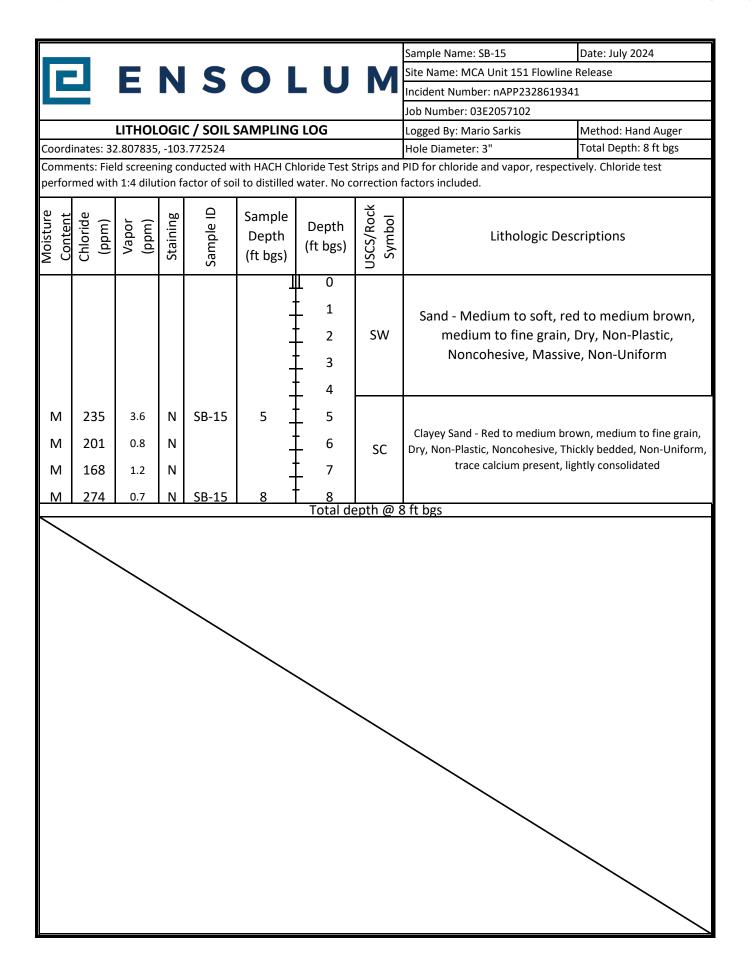
Lithologic Soil Sampling Logs

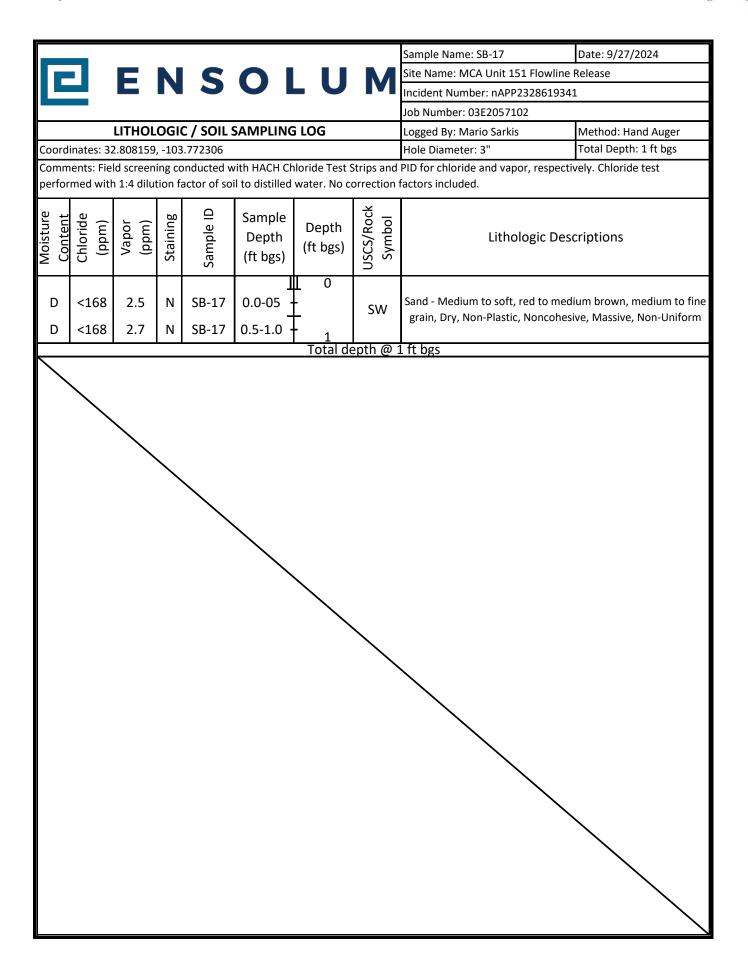
								Sample Name: SB-2	Data: July Santambar 2024				
	7						B .4	Site Name: MCA Unit 151 Flow	Date: July-September 2024				
			N	5	0 1	LU	M	Incident Number: nAPP232861					
								Job Number: 03E2057102					
		LITHOL	OGIO	· / soll 9	SAMPLING	SIOG		Logged By: Mario Sarkis	Method: Hand Auger				
Coord	inates: 32				JAIVII LIIV	100		Hole Diameter: 3"	Total Depth: 14 ft bgs				
Comm	nents: Fie	ld screen	ing co	nducted w				PID for chloride and vapor, res					
perfor	med with	n 1:4 dilut	ion fa	actor of so	il to distilled	water. No c	orrection	factors included.					
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic	Descriptions				
					I	1	SW	medium to fine gra	r, red to medium brown, ain, Dry, Non-Plastic, ssive, Non-Uniform				
D D	<173	224.5 1,035	Y Y	SB-2	6	5 6	SW	Non-Plastic, Noncohesive, Thi	own, medium to fine grain, Dry, ckly bedded, Non-Uniform, trace lightly consolidated				
D		425.70 357.6	N	SB-2	- - 8	- 7		Caliche - Light to dark ta	an, medium dense, coarse				
D	<173	357.0	N		- -	_ 8 _ 9	CCHE	_	n plastic, dry, noncohesive				
D	442	1.7	N	SB-2	10 _	_ 10 _ 11							
D	442	0.4	N		- - -	12 13	CL		with white mottling, low st, non cohesive				
D	263	0.3	N	SB-2	14	14							
$\overline{}$						Total de	pth @ 1	4 ft bgs					

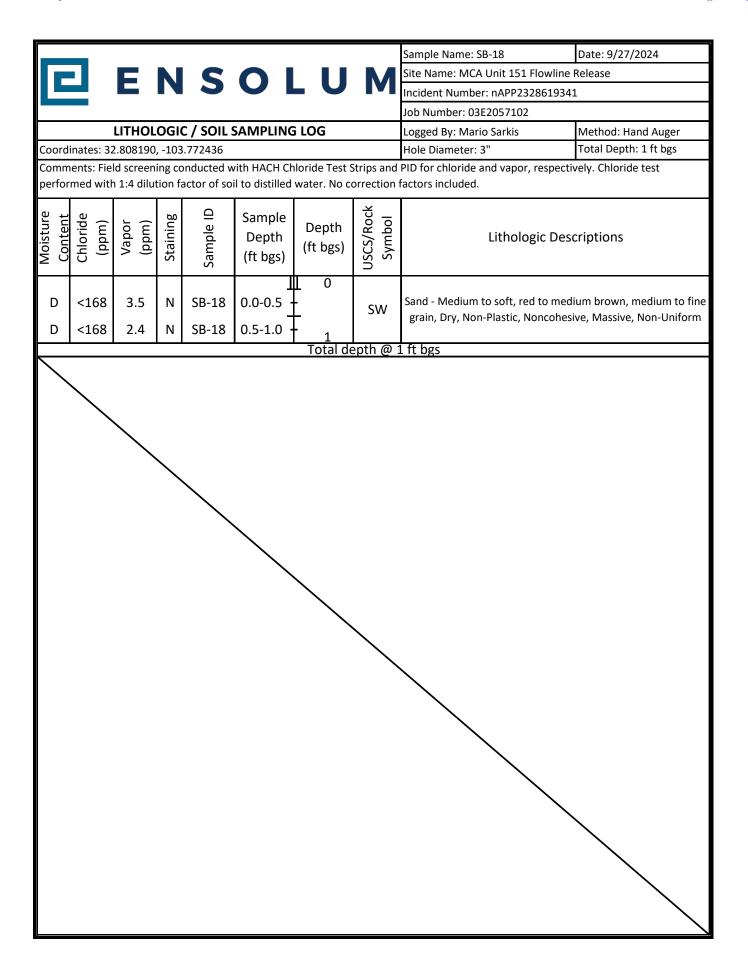
								Council Manual CD 42	
		_							July-September 2024
		E	N	5	OI	LU	M	Site Name: MCA Unit 151 Flowline Releas Incident Number: nAPP2328619341	بر
								Job Number: 03E2057102	
		LITHOL	OGI	^ / SOIL 9	SAMPLING	2106			and Hand Augar
Coord	inates: 32				AIVIPLING	100			nod: Hand Auger Depth: 16 ft bgs
					rith HACH Ch	nloride Test 9	Strins and	PID for chloride and vapor, respectively. (•
			-				•	factors included.	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descripti	ons
					<u> </u>	1 2 3	SW	Sand - Medium to soft, red to r medium to fine grain, Dry, I Noncohesive, Massive, No	Non-Plastic,
M M	4,832	2560 658	Y Y	SB-12	5 <u> </u>	5 6	SW	Silty Sand - Red to medium brown, medi Non-Plastic, Noncohesive, Thickly bedded calcium present, lightly cons	d, Non-Uniform, trace
М		459	Υ		-	7			
М	4,452	396	N	SB-12	8	8	ССНЕ	Caliche - Light to dark tan, mediuto medium grain size, non plastic,	
					_	9		, ,	,,,
М	929	1.4	Ν		<u>-</u>	10			
М	929	0.8	N	SB-12	11	11			
N 4		2.2	N		-	Ľ			
M	851	2.2	N		- - -	12 13	SW	Sand - Medium to soft, red to r medium to fine grain, Dry,	Non-Plastic,
М	610	0.8	N	SB-12	14	14		Noncohesive, Massive, Non-Unif	orm, small gravel
М	1,254	0.7	N		- -	15		present	
M	492	0.2	Ν	SB-12	16	16 Total de	nth ⋒ 1	6 ft has	
			_			Total de	<u> </u>	<u>υ τι υξυ</u>	













APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 25, 2023

CHUCK TERHUNE
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: MCA - 151

Enclosed are the results of analyses for samples received by the laboratory on 10/19/23 16:19.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Applymed By AM

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 1 (0-.5') (H235740-01)

BTEX 8021B	mg/kg			Analyzed By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.11	105	2.00	7.95	
Toluene*	<0.050	0.050	10/24/2023	ND	2.14	107	2.00	5.23	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.25	113	2.00	5.41	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.74	112	6.00	5.64	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2023	ND	186	92.8	200	0.215	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	203	102	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	102 5	26 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: Sampling Type: Soil 10/25/2023

Project Name: MCA - 151 Sampling Condition: Cool & Intact Project Number: Sample Received By: Tamara Oldaker 212C - MD - 03256

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 1 (.5-1') (H235740-02)

BTEX 8021B	mg/kg		Analyzed By: AW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2023	ND	186	92.8	200	0.215	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	203	102	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Fax To:

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 3 (0-.5') (H235740-03)

BTEX 8021B	mg	/kg	Analyze	ed By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Applyzod By: AW

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 3 (.5-1') (H235740-04)

RTFY 8021R

BIEX 8021B	mg	/ kg	Analyze	a By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 71.5-13-	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13-	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Frence



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 4 (0-.5') (H235740-05)

BTEX 8021B	mg	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



10/19/2023

Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/19/2023 Sampling Date:

Fax To:

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 4 (.5-1') (H235740-06)

BTEX 8021B	mg	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Freene



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 5 (0-.5') (H235740-07)

BTEX 8021B	mg	/kg	Analyze	ed By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 5 (.5-1') (H235740-08)

BTEX 8021B	mg,	/kg	Analyze	ed By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 6 (0-.5') (H235740-09)

BTEX 8021B	mg,	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	90.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Analyzed By: AW

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 6 (.5-1') (H235740-10)

BTEX 8021B

DILX GOZID	iiig/	, kg	Andryzo	u by. Att					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 7 (0-.5') (H235740-11)

BTEX 8021B	mg,	/kg	Analyze	ed By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	138	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 7 (.5-1') (H235740-12)

BTEX 8021B	mg	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	128	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Frence



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: Sampling Type: Soil 10/25/2023

Project Name: MCA - 151 Sampling Condition: Cool & Intact Project Number: Sample Received By: Tamara Oldaker 212C - MD - 03256

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 8 (0-.5') (H235740-13)

BTEX 8021B	mg,	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: Sampling Type: Soil 10/25/2023

Project Name: MCA - 151 Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 03256 Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 8 (.5-1') (H235740-14)

BTEX 8021B	mg/	'kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/23/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	97.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 9 (0-.5') (H235740-15)

BTEX 8021B	mg	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	123	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 9 (.5-1') (H235740-16)

BTEX 8021B	mg/kg		Analyzed By: AW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Fax To:

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 10 (0-.5') (H235740-17)

BTEX 8021B	mg	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	93.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: Sampling Type: Soil 10/25/2023

Project Name: MCA - 151 Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 03256 Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 10 (.5-1') (H235740-18)

BTEX 8021B	mg/	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	128 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	141 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Analyzed By: AW

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 11 (0-.5') (H235740-19)

BTEX 8021B

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Benzene* <0.050 0.050 10/23/2023 ND 2.08 104 2.00 2.05 Toluene* <0.050 0.050 10/23/2023 ND 2.04 102 2.00 5.61 Ethylbenzene* <0.050 0.050 10/23/2023 ND 1.98 99.1 2.00 3.53 Total Xylenes* <0.150 0.150 10/23/2023 ND 5.92 98.7 6.00 5.28 Total BTEX <0.300 0.300 10/23/2023 ND 5.92 98.7 6.00 5.28 Chloride, SM4500Cl-B mg/s 71.5-134 Chloride, SM4500Cl-B Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 32.0 16.0 10/23/2023 ND 432 108 400 3.77 TPH 8015M Result Reporting Limit Analyzed Met	DIEX GOZID	ıııg,	K9	Allulyzo	a by. Att					
Toluene* <0.050	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ethylbenzene* < 0.050 0.050 10/23/2023 ND 1.98 99.1 2.00 3.53 Total Xylenes* < 0.150 0.150 10/23/2023 ND 5.92 98.7 6.00 5.28 Total BTEX < 0.300 0.300 10/23/2023 ND Surrogate: 4-Bromofluorobenzene (PID 122 % 71.5-134 Chloride, SM4500Cl-B mg/s Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 32.0 16.0 10/23/2023 ND 432 108 400 3.77 TPH 8015M mg/s Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* < 10.0 10.0 10/23/2023 ND 180 90.2 200 2.17 DRO >C10-C28* < 10.0 10.0 10/23/2023 ND 196 98.0 200 2.53 EXT DRO >C28-C36 <10.0 10.0 10/23/2023 ND 196 98.0 200 2.53 EXTrogate: 1-Chlorooctane 99.9 % 48.2-134	Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Total Xylenes* <0.150 0.150 10/23/2023 ND 5.92 98.7 6.00 5.28 Total BTEX <0.300	Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Total BTEX <0.300 0.300 10/23/2023 ND Surrogate: 4-Bromofluorobenzene (PID 122 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed By: AC Chloride 32.0 16.0 10/23/2023 ND 432 108 400 3.77 TPH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.023/2023 ND 180 90.2 200 2.17 DRO >C10-C28* <10.0 10.0 10/23/2023 ND 196 98.0 200 2.53 EXT DRO >C28-C36 <10.0 10.0 10/23/2023 ND 196 98.0 200 2.53 EXT DRO >C10-C28-C36 <10.0 10.0 10/23/2023 ND 196 98.0 200 2.53	Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Surrogate: 4-Bromofluorobenzene (PID 122 % 71.5-134 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 32.0 16.0 10/23/2023 ND 432 108 400 3.77 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* < 10.0 10/23/2023 ND 180 90.2 200 2.17 DRO >C10-C28* < 10.0 10.0 10/23/2023 ND 196 98.0 200 2.53 EXT DRO >C28-C36 < 10.0 10.0 10/23/2023 ND ND ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** <t< td=""><td>Total Xylenes*</td><td><0.150</td><td>0.150</td><td>10/23/2023</td><td>ND</td><td>5.92</td><td>98.7</td><td>6.00</td><td>5.28</td><td></td></t<>	Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Chloride, SM4500Cl-B mg/kg Analyzed By: AC Method Blank BS % Recovery Mecovery True Value QC RPD Chloride 32.0 16.0 10/23/2023 ND 432 108 400 3.77 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Total BTEX	<0.300	0.300	10/23/2023	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 32.0 16.0 10/23/2023 ND 432 108 400 3.77 TPH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 10/23/2023 ND 180 90.2 200 2.17 DRO >C10-C28* <10.0 10.0 10/23/2023 ND 196 98.0 200 2.53 EXT DRO >C28-C36 <10.0 10.0 10/23/2023 ND Surrogate: 1-Chlorooctane 99.9 % 48.2-134	Surrogate: 4-Bromofluorobenzene (PID	122 9	% 71.5-13	4						
Chloride 32.0 16.0 10/23/2023 ND 432 108 400 3.77 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
TPH 8015M mg/sg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 10/23/2023 ND 180 90.2 200 2.17 DRO >C10-C28* <10.0 10.0 10/23/2023 ND 196 98.0 200 2.53 EXT DRO >C28-C36 <10.0 10.0 10/23/2023 ND Surrogate: 1-Chlorooctane 99.9 % 48.2-134	Chloride	32.0	16.0	10/23/2023	ND	432	108	400	3.77	
GRO C6-C10* <10.0 10.0 10/23/2023 ND 180 90.2 200 2.17 DRO >C10-C28* <10.0 10.0 10/23/2023 ND 196 98.0 200 2.53 EXT DRO >C28-C36 <10.0 10.0 10/23/2023 ND Surrogate: 1-Chlorooctane 99.9 % 48.2-134	TPH 8015M	mg/	'kg	Analyze	ed By: MS					
DRO >C10-C28*	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 <10.0 10.0 10/23/2023 ND Surrogate: 1-Chlorooctane 99.9 % 48.2-134	GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
Surrogate: 1-Chlorooctane 99.9 % 48.2-134	DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
	EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctadecane 110 % 49.1-148	Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
	Surrogate: 1-Chlorooctadecane	110 %	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 11 (.5-1') (H235740-20)

BTEX 8021B	mg/kg		Analyzed By: AW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	<0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	89.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Applyzod By: AW

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 2 (0-.5') (H235740-21)

RTFY 8021R

BIEX 8021B	mg	/ kg	Analyze	a By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.08	104	2.00	2.05	
Toluene*	< 0.050	0.050	10/23/2023	ND	2.04	102	2.00	5.61	
Ethylbenzene*	< 0.050	0.050	10/23/2023	ND	1.98	99.1	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	5.92	98.7	6.00	5.28	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	22100	50.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	9450	50.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	83.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	684	% 49.1-14	8						

Surrogate: 1-Chlorooctadecane 684 % 49.1-148

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: Sampling Type: Soil 10/25/2023

Project Name: MCA - 151 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 212C - MD - 03256

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 2 (.5-1') (H235740-22)

BTEX 8021B	mg/kg		Analyzed By: AW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	0.181	0.050	10/23/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	0.180	0.050	10/23/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	0.387	0.150	10/23/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	0.748	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/23/2023	ND	180	90.2	200	2.17	
DRO >C10-C28*	14700	50.0	10/23/2023	ND	196	98.0	200	2.53	
EXT DRO >C28-C36	7230	50.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	369 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: Sampling Type: Soil 10/25/2023

Project Name: MCA - 151 Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 03256 Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB -2 (1-2') (H235740-23)

BTEX 8021B	mg/	kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	<0.050	0.050	10/23/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	10900	50.0	10/23/2023	ND	182	91.2	200	2.74	QM-07
EXT DRO >C28-C36	5830	50.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	69.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	301 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB -2 (2-3') (H235740-24)

BTEX 8021B	mg	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	<0.050	0.050	10/23/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	9660	50.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	4780	50.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	69.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	194	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH
CHUCK TERHUNE
901 WEST WALL STREET , STE 100

MIDLAND TX, 79701

Face Tax (422) 602

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Applyzod By: AW

Project Location: MAVERICK - LEA CO NM

Sample ID: SB -2 (3-4') (H235740-25)

RTFY 8021R

B1EX 8021B	mg,	^и кд	Anaiyze	ed By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	<0.050	0.050	10/23/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	< 0.050	0.050	10/23/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13-	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	5550	50.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	3200	50.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	73.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	165	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kreene



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 12 (0-.5') (H235740-26)

BTEX 8021B	mg/kg		Analyzed By: AW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	23.7	2.00	10/23/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	178	2.00	10/23/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	149	2.00	10/23/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	237	6.00	10/23/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	587	12.0	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	129	% 71.5-13	14						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	8180	50.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	25800	50.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	5430	50.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	672	% 48.2-13	34						
Surrogate: 1-Chlorooctadecane	451	% 49.1-14	18						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: Sampling Type: Soil 10/25/2023

Project Name: MCA - 151 Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 03256 Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 12 (.5-1') (H235740-27)

BTEX 8021B	mg,	/kg	Analyzed By: AW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	13.9	2.00	10/23/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	168	2.00	10/23/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	143	2.00	10/23/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	215	6.00	10/23/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	541	12.0	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1710	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	6940	50.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	14300	50.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	2830	50.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	405	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	252	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Applyzod By: AW

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 12 (1-2') (H235740-28)

RTFY 8021R

B1EX 8021B	mg	/kg	Analyze	a By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.50	2.00	10/23/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	89.2	2.00	10/23/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	83.1	2.00	10/23/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	134	6.00	10/23/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	313	12.0	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3610	50.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	8490	50.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	1550	50.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	246	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	152	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH
CHUCK TERHUNE
901 WEST WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Applyzod By: AW

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 12 (2-3') (H235740-29)

RTFY 8021R

B1EX 8021B	mg	/кд	Analyze	a By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.88	0.500	10/23/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	38.3	0.500	10/23/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	40.1	0.500	10/23/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	66.9	1.50	10/23/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	147	3.00	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	134	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1390	50.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	3690	50.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	555	50.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	143	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

S-04



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 03256 Tamara Oldaker

Applyzod By: AW

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 12 (3-4') (H235740-30)

RTFY 8021R

B1EX 8021B	mg	/кд	Analyze	a By: AW					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.53	0.200	10/24/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	19.9	0.200	10/24/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	22.4	0.200	10/24/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	38.1	0.600	10/24/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	81.9	1.20	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	167	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2260	50.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	6770	50.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	1070	50.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	188	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49 1-14	8						

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

S-04



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 03256 Tamara Oldaker

Applyzod By: AW

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 13 (0-.5') (H235740-31)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: AW					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/23/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	9.68	0.500	10/23/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	41.0	0.500	10/23/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	81.3	1.50	10/23/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	132	3.00	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	171	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2560	50.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	15300	50.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	2970	50.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	387	% 48.2-13	4						
Surrogate: 1-Chloroctadecane	276	% 49 1-14	18						

Surrogate: 1-Chlorooctadecane 276 % 49.1-148

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 13 (.5-1') (H235740-32)

BTEX 8021B	mg	/kg	Analyze	ed By: AW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	0.455	0.050	10/24/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	2.14	0.050	10/24/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	4.89	0.150	10/24/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	7.48	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	191	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	229	10.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	2300	10.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	469	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Freene



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 13 (1-2') (H235740-33)

BTEX 8021B	mg	/kg	Analyze	ed By: AW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	<0.050	0.050	10/24/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	0.147	0.050	10/24/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	0.696	0.150	10/24/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	0.843	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	135	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	26.9	10.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	706	10.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	155	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	82.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 13 (2-3') (H235740-34)

BTEX 8021B	mg	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	<0.050	0.050	10/24/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	0.093	0.050	10/24/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	0.267	0.150	10/24/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	0.360	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	421	10.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	89.8	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	82.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 212C - MD - 03256

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 13 (3-4') (H235740-35)

BTEX 8021B	mg/kg		Analyzed By: AW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	<0.050	0.050	10/23/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1710	16.0	10/23/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	501	10.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	107	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	78.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: Sampling Type: Soil 10/25/2023

Project Name: MCA - 151 Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 03256 Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 14 (0-.5') (H235740-36)

BTEX 8021B	mg/	kg	Analyze	d By: AW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.120	0.100	10/24/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	2.74	0.100	10/24/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	11.2	0.100	10/24/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	29.9	0.300	10/24/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	44.0	0.600	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	253 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1200	50.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	12400	50.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	2410	50.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	255 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	235 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 14 (.5-1') (H235740-37)

BTEX 8021B	mg,	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	<0.050	0.050	10/23/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	145	10.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	23.5	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	76.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kreine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 14 (1-2') (H235740-38)

BTEX 8021B	mg	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	0.085	0.050	10/23/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	0.058	0.050	10/23/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	34.8	10.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	72.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Applyzod By: AW

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 14 (2-3') (H235740-39)

RTFY 8021R

Result <0.050 <0.050 <0.050	Reporting Limit 0.050 0.050	Analyzed 10/23/2023 10/23/2023	Method Blank	BS 1.95	% Recovery	True Value QC	RPD	Qualifier
<0.050			ND	1.95	07.4			
	0.050	10/23/2023			97.4	2.00	2.84	
<0.050		,,	ND	2.00	100	2.00	2.45	
	0.050	10/23/2023	ND	2.01	101	2.00	1.55	
< 0.150	0.150	10/23/2023	ND	6.10	102	6.00	0.0889	
<0.300	0.300	10/23/2023	ND					
104 9	% 71.5-13-	4						
mg/	'kg	Analyzed By: AC						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
576	16.0	10/23/2023	ND	400	100	400	7.69	
mg/	'kg	Analyze	ed By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	10/23/2023	ND	180	89.9	200	0.633	
80.3	10.0	10/23/2023	ND	182	91.2	200	2.74	
<10.0	10.0	10/23/2023	ND					
81.6	% 48.2-13-	4						
82.0	% 49.1-14	8						
	<0.300 104 9 mg/ Result 576 mg/ Result <10.0 80.3 <10.0	<0.300 0.300 104 % 71.5-134 mg/ky Result Reporting Limit 576 16.0 mg/ky Result Reporting Limit <10.0 10.0 80.3 10.0 <10.0 10.0 81.6 % 48.2-13-4	<0.300 0.300 10/23/2023 104 % 71.5-134 Result Reporting Limit Analyzed 576 16.0 10/23/2023 Result Reporting Limit Analyzed <10.0	<0.300 10/23/2023 ND 104 % 71.5-134 mg/ky Analyzed By: AC Result Reporting Limit Analyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0	<0.300 0.300 10/23/2023 ND 104 % 71.5-134 mg/ky Analyzed By: AC Result Reporting Limit Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	< 0.300 10/23/2023 ND 104 % 71.5-134 mg/ky Analyzed By: AC Result Reporting Limit Analyzed By: MS % Recovery 576 16.0 10/23/2023 ND 400 100 mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	< 0.300 10/23/2023 ND 104 % 71.5-134 mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 576 16.0 10/23/2023 ND 400 100 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC < 10.0 10.0 10/23/2023 ND 180 89.9 200 80.3 10.0 10/23/2023 ND 182 91.2 200 < 10.0 10.0 10/23/2023 ND	< 0.300 10/23/2023 ND 104 % 71.5-134 mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 7.69 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 1.0.0 10.0 10/23/2023 ND 180 89.9 200 0.633 80.3 10.0 10/23/2023 ND 182 91.2 200 2.74 81.6 % 48.2-134 48.2-134

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 03256 Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 14 (3-4') (H235740-40)

BTEX 8021B	mg/	kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	<0.050	0.050	10/23/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	650	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	496	10.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	103	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	80.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Applyzod By: AW

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 15 (0-.5') (H235740-41)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	ed By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	10/23/2023	ND	1.95	97.4	2.00	2.84	
Toluene*	13.1	2.00	10/23/2023	ND	2.00	100	2.00	2.45	
Ethylbenzene*	27.6	2.00	10/23/2023	ND	2.01	101	2.00	1.55	
Total Xylenes*	66.0	6.00	10/23/2023	ND	6.10	102	6.00	0.0889	
Total BTEX	107	12.0	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2820	50.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	31500	50.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	6080	50.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	643	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	560	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: Sampling Type: Soil 10/25/2023

Project Name: MCA - 151 Sampling Condition: Cool & Intact Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 15 (.5-1') (H235740-42)

BTEX 8021B	mg/kg Analyzed By: AW								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.93	2.00	10/23/2023	ND	2.15	107	2.00	0.974	QM-07
Toluene*	13.0	2.00	10/23/2023	ND	2.16	108	2.00	5.19	QM-07
Ethylbenzene*	23.6	2.00	10/23/2023	ND	2.22	111	2.00	3.28	
Total Xylenes*	58.5	6.00	10/23/2023	ND	6.41	107	6.00	4.45	QM-07
Total BTEX	98.1	12.0	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2600	50.0	10/23/2023	ND	180	89.9	200	0.633	
DRO >C10-C28*	30500	50.0	10/23/2023	ND	182	91.2	200	2.74	
EXT DRO >C28-C36	5830	50.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	612	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	560	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 03256 Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 15 (1-2') (H235740-43)

BTEX 8021B	mg/	'kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/23/2023	ND	2.15	107	2.00	0.974	
Toluene*	2.35	0.500	10/23/2023	ND	2.16	108	2.00	5.19	
Ethylbenzene*	5.79	0.500	10/23/2023	ND	2.22	111	2.00	3.28	
Total Xylenes*	18.3	1.50	10/23/2023	ND	6.41	107	6.00	4.45	
Total BTEX	26.4	3.00	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	132 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1640	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1300	50.0	10/23/2023	ND	220	110	200	1.73	QM-07
DRO >C10-C28*	12600	50.0	10/23/2023	ND	209	104	200	3.87	QM-07
EXT DRO >C28-C36	1980	50.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	149 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	304 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 15 (2-3') (H235740-44)

BTEX 8021B	mg	/kg	Analyze	d By: AW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/23/2023	ND	2.15	107	2.00	0.974	
Toluene*	1.65	0.200	10/23/2023	ND	2.16	108	2.00	5.19	
Ethylbenzene*	8.36	0.200	10/23/2023	ND	2.22	111	2.00	3.28	
Total Xylenes*	16.6	0.600	10/23/2023	ND	6.41	107	6.00	4.45	
Total BTEX	26.6	1.20	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	157	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	366	50.0	10/23/2023	ND	220	110	200	1.73	
DRO >C10-C28*	3020	50.0	10/23/2023	ND	209	104	200	3.87	
EXT DRO >C28-C36	587	50.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	129	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 15 (3-4') (H235740-45)

BTEX 8021B	mg	/kg	Analyze	ed By: AW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.15	107	2.00	0.974	
Toluene*	<0.050	0.050	10/23/2023	ND	2.16	108	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.22	111	2.00	3.28	
Total Xylenes*	2.33	0.150	10/23/2023	ND	6.41	107	6.00	4.45	
Total BTEX	2.33	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	151	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	68.8	10.0	10/23/2023	ND	220	110	200	1.73	
DRO >C10-C28*	832	10.0	10/23/2023	ND	209	104	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH
CHUCK TERHUNE
901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Applyzod By: AW

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 16 (0-.5') (H235740-46)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.15	107	2.00	0.974	
Toluene*	<0.050	0.050	10/23/2023	ND	2.16	108	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.22	111	2.00	3.28	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.41	107	6.00	4.45	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	134	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	220	110	200	1.73	
DRO >C10-C28*	1810	10.0	10/23/2023	ND	209	104	200	3.87	
EXT DRO >C28-C36	329	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH
CHUCK TERHUNE
901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 16 (.5-1') (H235740-47)

BTEX 8021B	mg	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.15	107	2.00	0.974	
Toluene*	0.194	0.050	10/23/2023	ND	2.16	108	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.22	111	2.00	3.28	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.41	107	6.00	4.45	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	220	110	200	1.73	
DRO >C10-C28*	211	10.0	10/23/2023	ND	209	104	200	3.87	
EXT DRO >C28-C36	59.9	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	89.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Fax To:

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 16 (1-2') (H235740-48)

BTEX 8021B	mg	/kg	Analyze	ed By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.15	107	2.00	0.974	
Toluene*	<0.050	0.050	10/23/2023	ND	2.16	108	2.00	5.19	
Ethylbenzene*	< 0.050	0.050	10/23/2023	ND	2.22	111	2.00	3.28	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.41	107	6.00	4.45	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	nalyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	220	110	200	1.73	
DRO >C10-C28*	165	10.0	10/23/2023	ND	209	104	200	3.87	
EXT DRO >C28-C36	31.8	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 16 (2-3') (H235740-49)

BTEX 8021B	mg	/kg	Analyze	ed By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.15	107	2.00	0.974	
Toluene*	<0.050	0.050	10/23/2023	ND	2.16	108	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.22	111	2.00	3.28	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.41	107	6.00	4.45	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	220	110	200	1.73	
DRO >C10-C28*	21.7	10.0	10/23/2023	ND	209	104	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	95.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.7	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

TETRA TECH CHUCK TERHUNE 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/19/2023 Sampling Date: 10/19/2023

Reported: 10/25/2023 Sampling Type: Soil

Project Name: MCA - 151 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03256 Sample Received By: Tamara Oldaker

Analyzed By: AW

Project Location: MAVERICK - LEA CO NM

Sample ID: SB - 16 (3-4') (H235740-50)

BTEX 8021B

	9/	9	7111411720	= 7. 7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.15	107	2.00	0.974	
Toluene*	<0.050	0.050	10/23/2023	ND	2.16	108	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.22	111	2.00	3.28	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.41	107	6.00	4.45	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	127 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	220	110	200	1.73	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	209	104	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	95.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.7	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client is subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Received by OCD: 10/14/2024 2:22:06 PM of 249 Analysis Request of Chain of Custody Record Client Name: Invoice to: (county, state) roject Name: Receiving Laboratory: roject Location Relinquished by Relinquished by: Relinguished by LAB USE ONLY LAB# 4 SB-3 (.5-1') SB-3 (0-.5') SB-1 (.5- 1') SB-6 (0-.5) SB-5 (.5-1') SB-5 (0-.5") SB-4 (.5-1') SB-4 (0-.5) SB-1 (0-.5') SB-6 (.5-1') Lea County, NM **Maverick Natural Resources** Cardinal Labs Attn: Chuck Terhune MCA-151 Tetra Tech, Inc. SAMPLE IDENTIFICATION 0-19-Date: Date: lime: Time: Time: Site Manager: Sampler Signature Project # ORIGINAL COPY Received by 'EAR: 2023 Received by 10/19/2023 10/19/2023 10/19/2023 10/19/2023 10/19/2023 10/19/2023 10/19/2023 10/19/2023 10/19/2023 10/19/2023 DATE SAMPLING chuck.terhune@tetratech.com TIME Chuck Terhune WATER 281-755-8965 MATRIX × SOIL 212C-MD-03256 901 W Wall Strc at, Ste 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946 Jorge Fernadez HCL Date: Date: PRESERVATIVE METHOD HNO₃ ICE lime: Plan 0-14-2 # CONTAINERS FILTERED (Y/N) BTEX 8021B BTEX 8260B (Circle) HAND DELIVERED TPH TX1005 (Ext to C35) LAB USE × TPH 8015M (GRO - DRO - ORO - MRO) × PAH 8270C Circle or Specify Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg **ANALYSIS REQUEST** REMARKS: TCLP Semi Volatiles RUSH: Same Day Rush Charges Authorized FEDEX UPS Special Report Limits or TRRP Report RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 Standard Method NORM PLM (Asbestos) × × × Chloride 24 hr Sulfate TDS No Chloride General Water Chemistry (see attached list) 48 hr Anion/Cation Balance 72 hr 으 Page 53 of 57 Hold

Released to Imaging: 10/16/2024 9:24:25 AM

88 Analysis Request of Chain of Custody Record

Tetra Tec Received by OCD: 10/14/2024 2:22:06 PM Relinquished by Receiving Laboratory: (county, state) Project Name: Client Name: Relinquished by: nvoice to: roject Location Relipquished by #LSSC1 LAB USE LAB# ᆏ Si 8 *Э* SB-12 (1-2') SB-12 (0-.5') 37 SB-12 (.5-1') SB-12 (2-3') SB-2 (3-4) SB-2 (2-3') SB-2 (1-.2') SB-2 (.5- 1') SB-2 (0-.5') SB-12 (3-4') Cardinal Labs Attn: Chuck Terhune Lea County, NM Maverick Natural Resources MCA-151 Tetra Tech, Inc. SAMPLE IDENTIFICATION 0195 Date: Date: Time: Time: Time: 16:18 ORIGINAL COPY Sampler Signature: Project #: Site Manager: Received by 10/19/2023 10/19/2023 10/19/2023 10/19/2023 10/19/2023 10/19/2023 EAR: 2023 10/19/2023 10/19/2023 10/19/2023 10/19/2023 DATE SAMPLING chuck.terhune@tetratech.com TIME WATER Chuck Terhune 281-755-8965 MATRIX SOIL 212C-MD-03256 Jorge Fernadez 901 W Wall Street, Ste 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946 Date: HCL PRESERVATIVE METHOD HNO₃ × × × ICE Time: # CONTAINERS FILTERED (Y/N) 20.05 BTEX 8021B BTEX 8260B Sample Temperature Circle) HAND DELIVERED TPH TX1005 (Ext to C35) LAB USE ONLY × × TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Circle or Specify Method No. Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg **ANALYSIS REQUEST** TCLP Volatiles REMARKS: TCLP Semi Volatiles RUSH: Same Day 24 hr Rush Charges Authorized Special Report Limits or TRRP Report FEDEX UPS RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 Standard TAT NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) 48 hr Anion/Cation Balance 3 of 72 hr Page 55 of 57 Hold

Received by OCD: 10/14/2024 2:22:06 PM 89 Analysis Request of Chain of Custody Record Client Name: roject Name: Comments Receiving Laboratory: nvoice to: county, state) Relinquished by roject Location Relinguished by Relinquished by: LAB USE ONLY LAB# ᆏ 20 CU SB-14 (1-2') SB-14 (.5-1') SB-14 (0-.5') SB-13 (3-4) SB-13 (2-3') SB-13 (1-.2') SB-13 (.5- 1') SB-13 (0-.5') SB-14 (2-3') SB-14 (3-4') Lea County, NN **Maverick Natural Resources** Cardinal Labs Attn: Chuck Terhune MCA-151 Tetra Tech, Inc. SAMPLE IDENTIFICATION Date: Time: Time: Time: 16:18 Sampler Signature Project # Site Manager: ORIGINAL COPY Received by Received by 10/19/2023 10/19/2023 10/19/2023 10/19/2023 10/19/2023 10/19/2023 EAR: 2023 10/19/2023 10/19/2023 10/19/2023 10/19/2023 DATE SAMPLING chuck.terhune@tetratech.com TIME Chuck Terhune WATER 281-755-8965 MATRIX × SOIL 212C-MD-03256 901 W Wall Street, Ste 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946 Jorge Fernadez HCL Date: Date: PRESERVATIVE METHOD HNO₂ × ICE Time: # CONTAINERS FILTERED (Y/N) BTEX 8260B BTEX 8021B Sample Temperature (Circle) HAND DELIVERED FEDEX UPS TPH TX1005 (Ext to C35) LAB USE ONLY TPH 8015M (GRO - DRO - ORO - MRO) × × × × × × × PAH 8270C Circle or Specify Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg **ANALYSIS REQUEST** TCLP Volatiles REMARKS: TCLP Semi Volatiles Rush Charges Authorized RUSH: Same Day Special Report Limits or TRRP Report RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 S*andard TAT Method NORM PLM (Asbestos) × × × Chloride 24 hr Sulfate TDS Chloride General Water Chemistry (see attached list) 48 hr Anion/Cation Balance of. 72 hr Page 56 of 57

Hold

Received by OCD: 10/14/2024 2:22:06 PM of 249 Analysis Request of Chain of Custody Record Project Location: (county, state) Client Name: Project Name Receiving Laboratory: nvoice to: Comments: \$3574 Relinquished Relinquished by Relinguished by LAB USE ONLY LAB# 븕 43 4 SB-16 (1-2') 47 SB-16 (.5-1") SB-15 (1-.2') SB-15 (.5- 1') SB-16 (0-.5') SB-15 (3-4) SB-15 (0-.5') SB-16 (2-3') SB-15 (2-3') SB-16 (3-4') Maverick Natural Resources Lea County, NM Cardinal Labs Attn: Chuck Terhune MCA-15 Tetra Tech, Inc. SAMPLE IDENTIFICATION 10-1.5-2 Date: lime: Time: 0 Project #: Site Manager 10/19/2023 EAR: 2023 ORIGINAL COPY Received by Received by 10/19/2023 10/19/2023 10/19/2023 10/19/2023 10/19/2023 10/19/2023 10/19/2023 10/19/2023 0/19/2023 DATE SAMPLING chuck.terhune@tetratech.com TIME Chuck Terhune WATER 281-755-8965 MATRIX 901 W Wall Street, Ste 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946 SOIL 212C-MD-03256 Jorge Fernadez HCL Date: Date: PRESERVATIVE METHOD HNO × ICE 0-19-23 00 # CONTAINERS FILTERED (Y/N) BTEX 8260B 2000 Sample Temperature (Circle) HAND DELIVERED TPH TX1005 (Ext to C35) LAB USE ONLY TPH 8015M (GRO - DRO - ORO - MRO) × × × × PAH 8270C Circle or Specify Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg ANALYSIS REQUEST TCLP Volatiles REMARKS: TCLP Semi Volatiles RUSH: Same Day Rush Charges Authorized Special Report Limits or TRRP Repor FEDEX UPS RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 Standard TAT Method NORM PLM (Asbestos) Chloride 24 hr O Sulfate TDS Chloride General Water Chemistry (see attached list) 48 hr Anion/Cation Balance 5 으 72 hr Page 57 of 57 Hold



July 17, 2024

AIMEE COLE

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: MCA UNIT 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/12/24 14:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keine

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/12/2024 Sampling Date: 07/12/2024
Reported: 07/17/2024 Sampling Type: Soil

Project Name: MCA UNIT 151 FLOWLINE RELEASE Sampling Condition: ** (See Notes)
Project Number: 03E2057102 Sample Received By: Alyssa Parras

Project Location: 32.808,-103.7725

Sample ID: SB-15 5 (H244179-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2024	ND	2.02	101	2.00	0.920	
Toluene*	<0.050	0.050	07/15/2024	ND	2.03	101	2.00	1.56	
Ethylbenzene*	<0.050	0.050	07/15/2024	ND	2.08	104	2.00	2.24	
Total Xylenes*	<0.150	0.150	07/15/2024	ND	6.11	102	6.00	2.12	
Total BTEX	<0.300	0.300	07/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/15/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2024	ND	208	104	200	2.61	
DRO >C10-C28*	<10.0	10.0	07/15/2024	ND	195	97.5	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	07/15/2024	ND					
Surrogate: 1-Chlorooctane	91.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.6	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinals' liability and client's' exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

 Received:
 07/12/2024
 Sampling Date:
 07/12/2024

 Reported:
 07/17/2024
 Sampling Type:
 Soil

Project Name: MCA UNIT 151 FLOWLINE RELEASE Sampling Condition: ** (See Notes)
Project Number: 03E2057102 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: 32.808,-103.7725

ma/ka

Sample ID: SB-15 8 (H244179-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2024	ND	2.02	101	2.00	0.920	
Toluene*	<0.050	0.050	07/15/2024	ND	2.03	101	2.00	1.56	
Ethylbenzene*	<0.050	0.050	07/15/2024	ND	2.08	104	2.00	2.24	
Total Xylenes*	<0.150	0.150	07/15/2024	ND	6.11	102	6.00	2.12	
Total BTEX	<0.300	0.300	07/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/15/2024	ND	432	108	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2024	ND	196	98.1	200	6.69	
DRO >C10-C28*	<10.0	10.0	07/15/2024	ND	195	97.5	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/15/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



07/12/2024

Soil

Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/12/2024 Sampling Date: Reported: 07/17/2024 Sampling Type:

Project Name: MCA UNIT 151 FLOWLINE RELEASE Sampling Condition: ** (See Notes) Sample Received By: Project Number: 03E2057102 Alyssa Parras

Project Location: 32.808,-103.7725

Sample ID: SB-14 5 (H244179-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2024	ND	2.02	101	2.00	0.920	
Toluene*	<0.050	0.050	07/15/2024	ND	2.03	101	2.00	1.56	
Ethylbenzene*	<0.050	0.050	07/15/2024	ND	2.08	104	2.00	2.24	
Total Xylenes*	< 0.150	0.150	07/15/2024	ND	6.11	102	6.00	2.12	
Total BTEX	<0.300	0.300	07/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID 103 % 71.5-1		4							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	07/15/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2024	ND	196	98.1	200	6.69	
DRO >C10-C28*	<10.0	10.0	07/15/2024	ND	195	97.5	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/15/2024	ND					
Surrogate: 1-Chlorooctane	113 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

 Received:
 07/12/2024
 Sampling Date:
 07/12/2024

 Reported:
 07/17/2024
 Sampling Type:
 Soil

Project Name: MCA UNIT 151 FLOWLINE RELEASE Sampling Condition: ** (See Notes)
Project Number: 03E2057102 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: 32.808,-103.7725

ma/ka

Sample ID: SB-14 9 (H244179-04)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2024	ND	2.02	101	2.00	0.920	
Toluene*	<0.050	0.050	07/15/2024	ND	2.03	101	2.00	1.56	
Ethylbenzene*	<0.050	0.050	07/15/2024	ND	2.08	104	2.00	2.24	
Total Xylenes*	<0.150	0.150	07/15/2024	ND	6.11	102	6.00	2.12	
Total BTEX	<0.300	0.300	07/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/15/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2024	ND	196	98.1	200	6.69	
DRO >C10-C28*	<10.0	10.0	07/15/2024	ND	195	97.5	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/15/2024	ND					
Surrogate: 1-Chlorooctane	97.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keene



07/12/2024

Soil

Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/12/2024 Sampling Date:
Reported: 07/17/2024 Sampling Type:

ma/ka

Project Name: MCA UNIT 151 FLOWLINE RELEASE Sampling Condition: ** (See Notes)
Project Number: 03E2057102 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: 32.808,-103.7725

Sample ID: SB-13 7 (H244179-05)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2024	ND	2.02	101	2.00	0.920	
Toluene*	<0.050	0.050	07/15/2024	ND	2.03	101	2.00	1.56	
Ethylbenzene*	<0.050	0.050	07/15/2024	ND	2.08	104	2.00	2.24	
Total Xylenes*	<0.150	0.150	07/15/2024	ND	6.11	102	6.00	2.12	
Total BTEX	<0.300	0.300	07/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	07/15/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	g Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2024	ND	196	98.1	200	6.69	
DRO >C10-C28*	<10.0	10.0	07/15/2024	ND	195	97.5	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/15/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



07/12/2024

Soil

Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/12/2024 Sampling Date: Reported: 07/17/2024 Sampling Type:

Project Name: MCA UNIT 151 FLOWLINE RELEASE Sampling Condition: ** (See Notes) Sample Received By: Project Number: 03E2057102 Alyssa Parras

Project Location: 32.808,-103.7725

Sample ID: SB-13 8 (H244179-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2024	ND	2.02	101	2.00	0.920	
Toluene*	<0.050	0.050	07/15/2024	ND	2.03	101	2.00	1.56	
Ethylbenzene*	<0.050	0.050	07/15/2024	ND	2.08	104	2.00	2.24	
Total Xylenes*	<0.150	0.150	07/15/2024	ND	6.11	102	6.00	2.12	
Total BTEX	<0.300	0.300	07/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID 104 % 71.5-1.		4							
Chloride, SM4500Cl-B mg/kg		Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	07/15/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2024	ND	196	98.1	200	6.69	
DRO >C10-C28*	<10.0	10.0	07/15/2024	ND	195	97.5	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/15/2024	ND					
Surrogate: 1-Chlorooctane	105 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and clients® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476	575) 393-2476		
Company Name: Ensolum, LLC		O'L'TO'G	ANALYSIS REQUEST
Project Manager: Aimee Cole		P.O. #:	
Address: 3122 National Parks Hwy		Company: FASOLUM, LLC	
	State: NM Zip: 88220	Attn: ATMER COLE	
384-7365	Fax #:	Address:	
102	Project Owner:	City:	
Broject Name: Mr 4 151 Elphine Release	Release	State: Zip:	
Fluject Maine. / /C/1 / 3/ / /2/ / / / / / / / / / / / / / /	20,0000		

Project Location: 32,808, -103

7725

Phone #: Fax #:

MATRIX

PRESERV

SAMPLING

loride 5

Sampler Name:

FOR LAB USE ONLY

HZ44179

N

58-15

58-15

00/1

0

3

4

1127

1119

1227

0

58-14

Lab I.D.

Sample I.D.

Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS
GROUNDWATER
WASTEWATER

SOIL

OIL SLUDGE

DATE

TIME

0954

1005

OTHER : ACID/BASE:

JCE / COOL OTHER :

FURM-000 R 3.2 10/0/121	Sampler - UPS - Bus - Other:	Delivered By: (Circle One)		Relinquished By:		Relinquished By:	PLEASE NOTE: Liability and Damages. Cardinal's liability analyses. All claims including those for negligence and any service. In no event shall Cardinal be liable for incidental or affiliates or successors arising out of or related to the performance.	
† Cardinal c	Corrected Temp. °C	Observed Temp. °C	Time:	Date:	Time:	Pate: 12/24	and client's exclusive remedy for an other cause whatsoever shall be d consequental damages, including mance of services hereunder by Co	
† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	Yes Yes	Sample Condition CHECKED BY: Cool Intact (Initials)		Received By:		Received By:	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remoty for any viation arising wineurs used in the property of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed winked unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed without impless made in writing and received by Cardinal writing an	
anges to celey.keene@cardinallabsnm.com	Correction Factor -0-5°C +/// No No Corrected Temp. °C	_ΩE	Standard	REMARKS:	acoleGensolyM.com/msosusGensoluM.com/ChamiltonGensoluM.com	are e	ther completion of the applicable y client, its subsidiaries, reasons or otherwise. Reasons or otherwise.	aid by the client for the



July 19, 2024

AIMEE COLE

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: MCA UNIT 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/15/24 15:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keine

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/15/2024 Sampling Date: 07/15/2024

Reported: 07/19/2024 Sampling Type: Soil

Project Name: MCA UNIT 151 FLOWLINE RELEASE Sampling Condition: ** (See Notes)
Project Number: 03E2057102 Sample Received By: Tamara Oldaker

Project Location: 32.808,-103.7725

Sample ID: SB - 12 5 (H244210-01)

BTEX 8021B	mg/	kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	1.92	96.0	2.00	2.68	
Toluene*	0.310	0.050	07/16/2024	ND	1.92	95.8	2.00	2.09	GC-NC1
Ethylbenzene*	1.04	0.050	07/16/2024	ND	1.96	98.0	2.00	0.826	
Total Xylenes*	2.57	0.150	07/16/2024	ND	5.77	96.2	6.00	0.655	
Total BTEX	3.92	0.300	07/16/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	213 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	07/16/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	366	50.0	07/16/2024	ND	205	102	200	4.76	
DRO >C10-C28*	4560	50.0	07/16/2024	ND	196	98.2	200	2.44	
EXT DRO >C28-C36	656	50.0	07/16/2024	ND					
Surrogate: 1-Chlorooctane	162 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	180 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report had not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene

C-04



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/15/2024 Sampling Date: 07/15/2024

Reported: 07/19/2024 Sampling Type: Soil

Project Name: MCA UNIT 151 FLOWLINE RELEASE Sampling Condition: ** (See Notes)

Project Number: 03E2057102 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: 32.808,-103.7725

ma/ka

Sample ID: SB - 12 8 (H244210-02)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	1.92	96.0	2.00	2.68	
Toluene*	<0.050	0.050	07/16/2024	ND	1.92	95.8	2.00	2.09	GC-NC
Ethylbenzene*	2.04	0.050	07/16/2024	ND	1.96	98.0	2.00	0.826	
Total Xylenes*	0.759	0.150	07/16/2024	ND	5.77	96.2	6.00	0.655	
Total BTEX	2.80	0.300	07/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	391	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/16/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	393	50.0	07/16/2024	ND	205	102	200	4.76	
DRO >C10-C28*	9840	50.0	07/16/2024	ND	196	98.2	200	2.44	
EXT DRO >C28-C36	1870	50.0	07/16/2024	ND					
Surrogate: 1-Chlorooctane	145	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	242	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

S-04



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/15/2024 Sampling Date: 07/15/2024

Reported: 07/19/2024 Sampling Type: Soil

Project Name: MCA UNIT 151 FLOWLINE RELEASE Sampling Condition: ** (See Notes)
Project Number: 03E2057102 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: 32.808,-103.7725

mg/kg

Sample ID: SB - 2 6 (H244210-03)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Andryzo	u by. 511					3 0-1
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	07/16/2024	ND	1.92	96.0	2.00	2.68	
Toluene*	<0.100	0.100	07/16/2024	ND	1.92	95.8	2.00	2.09	GC-NC
Ethylbenzene*	10.1	0.100	07/16/2024	ND	1.96	98.0	2.00	0.826	
Total Xylenes*	6.51	0.300	07/16/2024	ND	5.77	96.2	6.00	0.655	GC-NC1
Total BTEX	16.6	0.600	07/16/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	293	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2024	ND	432	108	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1150	50.0	07/16/2024	ND	205	102	200	4.76	
DRO >C10-C28*	15300	50.0	07/16/2024	ND	196	98.2	200	2.44	
EXT DRO >C28-C36	2790	50.0	07/16/2024	ND					
Surrogate: 1-Chlorooctane	178	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	313	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/15/2024 Reported: 07/19/2024

07/19/2024 Sampling Type:

Project Name: MCA UNIT 151 FLOWLINE RELEASE
Project Number: 03E2057102

ma/ka

Project Location: 32.808,-103.7725

Sampling Date: 07/15/2024

ng Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SB - 2 8 (H244210-04)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: ЈН						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2024	ND	1.92	96.0	2.00	2.68		
Toluene*	<0.050	0.050	07/16/2024	ND	1.92	95.8	2.00	2.09		
Ethylbenzene*	0.089	0.050	07/16/2024	ND	1.96	98.0	2.00	0.826		
Total Xylenes*	0.151	0.150	07/16/2024	ND	5.77	96.2	6.00	0.655	GC-NC1	
Total BTEX	<0.300	0.300	07/16/2024	ND						
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4							
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	07/16/2024	ND	432	108	400	3.64		
TPH 8015M	mg/kg		Analyzed By: MS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	19.7	10.0	07/16/2024	ND	205	102	200	4.76		
DRO >C10-C28*	844	10.0	07/16/2024	ND	196	98.2	200	2.44		
EXT DRO >C28-C36	145	10.0	07/16/2024	ND						
Surrogate: 1-Chlorooctane	117	% 48.2-13	4							
Surrogate: 1-Chlorooctadecane	155	% 49.1-14	8							

Applyzod By: 14

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene

Relinquished By:

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

> Observed Temp. °C Time:

86

Sample Condition
Cool Intact
Yes Yes

CHECKED BY: (Initials)

Turnaround Time:

Standard

Bacteria (only) Sample Condition
Cool Intact Observed Temp.
Yes Yes
No No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

Received By:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476

	(0.0) 000 -0-0	100 (0.0)	•			
Company Name	Company Name: Ensolum, LLC			OL TONG		ANALYSIS REQUEST
Project Manager: Aimee Cole	r: Aimee Cole			P.O. #:		
Address: 3122	Address: 3122 National Parks Hwy			Company: [NSoluM, LLC	7	
City: Carlsbad		State: NM	Zip: 88220	Attn: ATMER COLO		
Phone #: (720) 384-7365	384-7365	Fax #:		Address:		
Project #:⊘3¶	Project #:03 巨及057 10 る	Project Owner:		City:		
Project Name:	Project Name: MLA 151 Flowling Release	ine Release		State: Zip:		
Project Location: 32, 905	n: 32, 809, -10	-103,7725		Phone #:		
Sampler Name:	Mario Sa	これが		Fax #:		
FOR LAB USE ONLY			MATRIX	PRESERV. SAMPLING		
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	BTEX TPH Chloride	
	58-12	S	6	1 7/15/24 1	1205 1 0 1	
2	58-12	8	6	, ,	12/4 0 0 0	
W	58-2	0	6		1316 1	
4	58-2	8	0	-	321 / / /	
					7	
	nd Damagas Cardinal's liability and	client's exclusive remody for a	nv claim arising whether based in contract	or tort, shall be limited to the amount paid by	the client for the	
PLEASE NOTE: Liability analyses. All claims includes service. In no event shall to	and Damages. Cardinal's liability and ling those for negligence and any other concentrations be liable for incidental or concentrations.	client's exclusive remedy for a er cause whatsoever shall be sequental damages, including	ny claim arising whether based in contract deemed walved unless made in writing an without limitation, business interruptions,	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service.	The client for the mipletion of the applicable the subsidiaries,	
Relinquished By:	sing out of or related to the performan	Date; 5 by	Received By:	Relinquished By: Date: Received By: Received By: All Results	ult: ☐ Yes ☐ No	Add'I Phone #: de Email address:
		1/11/11		111111111111111111111111111111111111111	Il Results are cilianous a louse pro-	

Correction Factor -0.5°C

acole Censolum. com/msashis Censolum.com

REMARKS:



August 07, 2024

AIMEE COLE ENSOLUM 3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: MCA 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/01/24 16:28.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/01/2024 Sampling Date: 08/01/2024

Reported: 08/07/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Project Location: 32.808, -103.7725

Sample ID: SW 02 0-3 (H244631-01)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2024	ND	1.94	96.8	2.00	5.34	
Toluene*	<0.050	0.050	08/05/2024	ND	1.90	94.8	2.00	4.55	
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	1.92	95.9	2.00	3.63	
Total Xylenes*	<0.150	0.150	08/05/2024	ND	5.66	94.3	6.00	3.38	
Total BTEX	<0.300	0.300	08/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2024	ND	185	92.6	200	3.55	
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	185	92.6	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					
Surrogate: 1-Chlorooctane	71.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/01/2024 Sampling Date: 08/01/2024

Reported: 08/07/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: 32.808, -103.7725

Sample ID: SW 03 0-3 (H244631-02)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2024	ND	1.94	96.8	2.00	5.34	
Toluene*	<0.050	0.050	08/05/2024	ND	1.90	94.8	2.00	4.55	
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	1.92	95.9	2.00	3.63	
Total Xylenes*	<0.150	0.150	08/05/2024	ND	5.66	94.3	6.00	3.38	
Total BTEX	<0.300	0.300	08/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2024	ND	185	92.6	200	3.55	
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	185	92.6	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					
Surrogate: 1-Chlorooctane	65.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	62.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients' exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/01/2024 Sampling Date: 08/01/2024

Reported: 08/07/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Project Location: 32.808, -103.7725

Sample ID: SW 04 0-3 (H244631-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2024	ND	1.94	96.8	2.00	5.34	
Toluene*	<0.050	0.050	08/05/2024	ND	1.90	94.8	2.00	4.55	
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	1.92	95.9	2.00	3.63	
Total Xylenes*	<0.150	0.150	08/05/2024	ND	5.66	94.3	6.00	3.38	
Total BTEX	<0.300	0.300	08/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 71.5-13	34						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2024	ND	185	92.6	200	3.55	
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	185	92.6	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					
Surrogate: 1-Chlorooctane	65.7	% 48.2-13	34						
Surrogate: 1-Chlorooctadecane	65.9	% 49.1-14	18						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kreene



08/01/2024

Soil

Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/01/2024 Sampling Date:

Reported: 08/07/2024 Sampling Type:

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Project Location: 32.808, -103.7725

Sample ID: SW 05 0-3 (H244631-04)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2024	ND	1.94	96.8	2.00	5.34	
Toluene*	<0.050	0.050	08/05/2024	ND	1.90	94.8	2.00	4.55	
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	1.92	95.9	2.00	3.63	
Total Xylenes*	<0.150	0.150	08/05/2024	ND	5.66	94.3	6.00	3.38	
Total BTEX	<0.300	0.300	08/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2024	ND	185	92.6	200	3.55	
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	185	92.6	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					
Surrogate: 1-Chlorooctane	59.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	56.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Sample Received By:

08/01/2024

Shalyn Rodriguez

Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/01/2024 Sampling Date:

Reported: 08/07/2024 Sampling Type: Soil
Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact

Project Number: 03E2057102

Project Location: 32.808, -103.7725

Sample ID: FS 01 3 (H244631-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2024	ND	1.94	96.8	2.00	5.34	
Toluene*	<0.050	0.050	08/05/2024	ND	1.90	94.8	2.00	4.55	
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	1.92	95.9	2.00	3.63	
Total Xylenes*	<0.150	0.150	08/05/2024	ND	5.66	94.3	6.00	3.38	
Total BTEX	<0.300	0.300	08/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2024	ND	185	92.6	200	3.55	
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	185	92.6	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					
Surrogate: 1-Chlorooctane	71.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/01/2024 Sampling Date: 08/01/2024

Reported: 08/07/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: 32.808, -103.7725

mg/kg

Sample ID: FS 02 3 (H244631-06)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2024	ND	1.94	96.8	2.00	5.34	
Toluene*	<0.050	0.050	08/05/2024	ND	1.90	94.8	2.00	4.55	
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	1.92	95.9	2.00	3.63	
Total Xylenes*	<0.150	0.150	08/05/2024	ND	5.66	94.3	6.00	3.38	
Total BTEX	<0.300	0.300	08/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2024	ND	185	92.6	200	3.55	
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	185	92.6	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					
Surrogate: 1-Chlorooctane	71.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.2	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/01/2024 Sampling Date: 08/01/2024

Reported: 08/07/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 03E2057102

Project Location: 32.808, -103.7725

Sample ID: FS 03 3 (H244631-07)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2024	ND	2.02	101	2.00	0.147	
Toluene*	<0.050	0.050	08/05/2024	ND	2.10	105	2.00	0.998	
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	2.17	109	2.00	1.31	
Total Xylenes*	<0.150	0.150	08/05/2024	ND	6.64	111	6.00	1.38	
Total BTEX	<0.300	0.300	08/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2024	ND	185	92.6	200	3.55	
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	185	92.6	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					
Surrogate: 1-Chlorooctane	64.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	61.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/01/2024 Sampling Date: 08/01/2024

Reported: 08/07/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: 32.808, -103.7725

ma/ka

Sample ID: FS 04 3 (H244631-08)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2024	ND	2.02	101	2.00	0.147	
Toluene*	<0.050	0.050	08/05/2024	ND	2.10	105	2.00	0.998	
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	2.17	109	2.00	1.31	
Total Xylenes*	<0.150	0.150	08/05/2024	ND	6.64	111	6.00	1.38	
Total BTEX	<0.300	0.300	08/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2024	ND	185	92.6	200	3.55	
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	185	92.6	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					
Surrogate: 1-Chlorooctane	69.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/01/2024 Sampling Date: 08/01/2024

Reported: 08/07/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 03E2057102

Project Location: 32.808, -103.7725

Sample ID: FS 07 4 (H244631-09)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2024	ND	2.02	101	2.00	0.147	
Toluene*	<0.050	0.050	08/05/2024	ND	2.10	105	2.00	0.998	
Ethylbenzene*	0.063	0.050	08/05/2024	ND	2.17	109	2.00	1.31	
Total Xylenes*	<0.150	0.150	08/05/2024	ND	6.64	111	6.00	1.38	
Total BTEX	<0.300	0.300	08/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	08/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2024	ND	185	92.6	200	3.55	
DRO >C10-C28*	876	10.0	08/05/2024	ND	185	92.6	200	9.71	
EXT DRO >C28-C36	215	10.0	08/05/2024	ND					
Surrogate: 1-Chlorooctane	77.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/01/2024 Sampling Date: 08/01/2024

Reported: 08/07/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: 32.808, -103.7725

Sample ID: SW 08 0-4 (H244631-10)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2024	ND	2.02	101	2.00	0.147	
Toluene*	<0.050	0.050	08/05/2024	ND	2.10	105	2.00	0.998	
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	2.17	109	2.00	1.31	
Total Xylenes*	<0.150	0.150	08/05/2024	ND	6.64	111	6.00	1.38	
Total BTEX	<0.300	0.300	08/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/06/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2024	ND	185	92.6	200	3.55	
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	185	92.6	200	9.71	
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND					
Surrogate: 1-Chlorooctane	65.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	64.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients' exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and clients® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene

-aboratories

ARDINA

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 13 of 13



August 12, 2024

AIMEE COLE
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: MCA 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/09/24 11:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



08/09/2024

Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/09/2024 Sampling Date:
Reported: 08/12/2024 Sampling Type:

Reported: 08/12/2024 Sampling Type: Soil
Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Coo

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Tamara Oldaker

Project Location: 32.808, -103.7725

Sample ID: FS 13 6' (H244820-01)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2024	ND	2.08	104	2.00	2.47	
Toluene*	<0.050	0.050	08/09/2024	ND	2.03	102	2.00	2.03	
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.06	103	2.00	1.79	
Total Xylenes*	<0.150	0.150	08/09/2024	ND	6.07	101	6.00	1.63	
Total BTEX	<0.300	0.300	08/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1780	16.0	08/12/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	227	114	200	4.23	
DRO >C10-C28*	148	10.0	08/09/2024	ND	218	109	200	2.61	
EXT DRO >C28-C36	21.5	10.0	08/09/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	133	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and clients® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Address: 3122 National Parks Hwy		P.O. #: ANALYSIS REQUEST
City: Carlsbad Phone #: (720) 384-7365	State: NM Zip: 88220	Attn: Aimer CIP
Project #: 0 3E 2057102	Project Owner.	Address:
Project Name: 32, 808, -103,	7725/M/A 14	City:
Project Location:		State: Zip:
FOR LABRISE COURS		#
- on the use ONLY	MATRIX	PRESERV CAMBING
	S ER	SAMPLING
Lab I.D. Sample I.D.	(feet) B OR (C) ITAINERS NDWATER EWATER	ASE:
1513	GROU	OTHER ACID/BLICE / CC OTHER TIME
		V 834/24 (040) V V V
"ISSE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in continuous for negligence and any other cause whether the notation whether based in continuous	whatenesses of any claim arising whether based in control	
alse or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of white.	I damages, including without limitation, business interruptions, loss o fices hereunder by Cardinal, regardless of whether	"", "" was or unified to the amount paid by the client for the sheet by Cardinal within 30 days after completion of the applicable of loss, or loss of profits incurred the client in the applicable
My See 15	8/4/24 Received/By:	#- Vo
inquished By:	Date: Date:	
	ne:	REMARKS:
	Observed Temp. °C 3.5 Sample Condition	
FURIM-000 R 3.2 10/07/21		Standard Bacteria (only) S
ecen	Cardinal cannot accept verbal changes	-0.XC -0.7 III LYes Yes
		I wase email changes to celey keene@cardinallabsnm.com



August 15, 2024

AIMEE COLE ENSOLUM 3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: MCA 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/14/24 14:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/14/2024 Sampling Date: 08/14/2024

Reported: 08/15/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: 32.808, -103.7725

mg/kg

Sample ID: FS 14 6' (H244924-01)

BTEX 8021B

	9,	9							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2024	ND	2.07	104	2.00	10.2	
Toluene*	<0.050	0.050	08/14/2024	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.03	101	2.00	11.2	
Total Xylenes*	<0.150	0.150	08/14/2024	ND	5.95	99.1	6.00	11.6	
Total BTEX	<0.300	0.300	08/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/15/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	220	110	200	3.61	
DRO >C10-C28*	<10.0	10.0	08/14/2024	ND	225	113	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

(010) 000-2020	320 FAX (3/5) 393-24/6		
company Name: Ensolum, LLC		01 THE	ANALYSIS REQUEST
Project Manager: Aimee Cole		P.O. #:	- 1
Address: 3122 National Parks Hwy	Нwy	Company: ENSOLUMILL	
City: Carlsbad	State: NM Zip: 88220	Attn: A Mee Cole	
Phone #: (720) 384-7365	Fax #:	Address:	
Project #: 03 [3057/02	Project Owner:	City:	
Project Name: //LA UNIT 151	Flowline Release	State: Zip:	
Project Location: 32,808	1-103.7725	#	
Sampler Name: MONTIO Say Kis		Fax #:	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	5
Lab I.D. Sample I.D.	(G)RAB OR (C)OME # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: CE/COOL OTHER:	BTEX TPH Chlorides
F514		O 16/1/8 /	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
LEASE NOTE: Liability and Damages. Cardinal's liability and clie valyses. All claims including those for negligence and any other or nvice. In no event shall Cardinal be liable for incidental or consecution filiates or successors arising out of or related to the performance.	LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the nayses. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within 30 days after completion of the applicable vivice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, limitation or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above standard research.	ort, shall be limited to the amount paid by the client ceived by Cardinal within 30 days after completion of use, or loss of profits incurred by client, its subsisted upon any of the above settled reasons or ceitics.	for the opplicable distribution of the applicable distribution
elinquished By:	Time: Received By: Pate: Received By:		Verbal Result: □ Yes □ No Add'I Phone #: All Results are emailed. Please provide Email address: ALD C C C M , COM M Sa (Kis OCNSo) uM.CoM REMARKS:
Delivered By: (Circle One)	Time:	CHECKED BY.	
ampler - UPS - Bus - Other:	7.87	(Initials)	Thermometer ID #143 I/O 19-hr Yes Yes



August 30, 2024

AIMEE COLE ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: MCA 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/26/24 15:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/26/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Project Location: 32.808, -103.7725

Sample ID: FS 08 7 (H245180-01)

BTEX 8021B	mg,	/kg	Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	8.22	
Toluene*	<0.050	0.050	08/27/2024	ND	2.04	102	2.00	7.61	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.09	104	2.00	7.14	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.35	106	6.00	7.35	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/28/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	198	99.2	200	6.50	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	188	94.1	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	96.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/26/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: 32.808, -103.7725

ma/ka

Sample ID: FS 09 7 (H245180-02)

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	8.22	
Toluene*	<0.050	0.050	08/27/2024	ND	2.04	102	2.00	7.61	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.09	104	2.00	7.14	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.35	106	6.00	7.35	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/28/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	198	99.2	200	6.50	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	188	94.1	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/26/2024 Reported: 08/30/2024

MCA 151 FLOWLINE RELEASE

Project Name: Project Number: 03E2057102 Project Location: 32.808, -103.7725 Sampling Date: 08/26/2024

Sampling Type: Soil Sampling Condition:

Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: FS 10 6 (H245180-03)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	8.22	
Toluene*	<0.050	0.050	08/27/2024	ND	2.04	102	2.00	7.61	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.09	104	2.00	7.14	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.35	106	6.00	7.35	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	198	99.2	200	6.50	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	188	94.1	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/26/2024 Reported: 08/30/2024

08/30/2024

ma/ka

Project Name: MCA 151 FLOWLINE RELEASE
Project Number: 03E2057102

Project Location: 32.808, -103.7725

Sampling Date: 08/26/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 11 7 (H245180-04)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	8.22	
Toluene*	<0.050	0.050	08/27/2024	ND	2.04	102	2.00	7.61	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.09	104	2.00	7.14	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.35	106	6.00	7.35	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	08/28/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	198	99.2	200	6.50	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	188	94.1	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	89.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Applyzod By: 14

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kreene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/26/2024 Reported: 08/30/2024

08/30/2024

ma/ka

Project Name: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102 Project Location: 32.808, -103.7725 Sampling Date: 08/26/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 15 7 (H245180-05)

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	8.22	
Toluene*	<0.050	0.050	08/27/2024	ND	2.04	102	2.00	7.61	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.09	104	2.00	7.14	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.35	106	6.00	7.35	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/28/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	198	99.2	200	6.50	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	188	94.1	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Applyzod By: 14

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/26/2024 Reported: 08/30/2024

MCA 151 FLOWLINE RELEASE

Project Name: Project Number: 03E2057102 Project Location: 32.808, -103.7725 Sampling Date: 08/26/2024

Sampling Type: Soil Sampling Condition:

Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: FS 16 6 (H245180-06)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	8.22	
Toluene*	<0.050	0.050	08/27/2024	ND	2.04	102	2.00	7.61	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.09	104	2.00	7.14	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.35	106	6.00	7.35	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/28/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	198	99.2	200	6.50	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	188	94.1	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/26/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Project Location: 32.808, -103.7725

Sample ID: FS 17 6 (H245180-07)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	8.22	
Toluene*	<0.050	0.050	08/27/2024	ND	2.04	102	2.00	7.61	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.09	104	2.00	7.14	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.35	106	6.00	7.35	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	08/28/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	198	99.2	200	6.50	
DRO >C10-C28*	127	10.0	08/27/2024	ND	188	94.1	200	6.39	
EXT DRO >C28-C36	11.9	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	18						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of groffits inclured by client is subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/26/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez Project Location: 32.808, -103.7725

Sample ID: SW 06 0-4 (H245180-08)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.25	112	2.00	1.92	
Toluene*	<0.050	0.050	08/27/2024	ND	2.31	115	2.00	1.63	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.31	116	2.00	1.00	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	7.03	117	6.00	1.01	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	198	99.2	200	6.50	
DRO >C10-C28*	108	10.0	08/27/2024	ND	188	94.1	200	6.39	
EXT DRO >C28-C36	32.7	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/26/2024 Reported: 08/30/2024

Project Name: MCA 151 FLOWLINE RELEASE Project Number: 03E2057102

Project Location: 32.808, -103.7725 Sampling Date: 08/26/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: SW 07 0-4 (H245180-09)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.25	112	2.00	1.92	
Toluene*	<0.050	0.050	08/27/2024	ND	2.31	115	2.00	1.63	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.31	116	2.00	1.00	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	7.03	117	6.00	1.01	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	198	99.2	200	6.50	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	188	94.1	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	95.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/26/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: 32.808, -103.7725

Sample ID: SW 07 4-7 (H245180-10)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.057	0.050	08/27/2024	ND	2.25	112	2.00	1.92	
Toluene*	<0.050	0.050	08/27/2024	ND	2.31	115	2.00	1.63	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.31	116	2.00	1.00	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	7.03	117	6.00	1.01	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/28/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	198	99.2	200	6.50	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	188	94.1	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/26/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: 32.808, -103.7725

Sample ID: SW 09 0-4 (H245180-11)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.25	112	2.00	1.92	
Toluene*	<0.050	0.050	08/27/2024	ND	2.31	115	2.00	1.63	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.31	116	2.00	1.00	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	7.03	117	6.00	1.01	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/28/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	198	99.2	200	6.50	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	188	94.1	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	98.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/26/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact Sample Received By: Project Number: 03E2057102 Shalyn Rodriguez

Project Location: 32.808, -103.7725

Sample ID: SW 09 4-7 (H245180-12)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.25	112	2.00	1.92	
Toluene*	<0.050	0.050	08/27/2024	ND	2.31	115	2.00	1.63	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.31	116	2.00	1.00	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	7.03	117	6.00	1.01	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/28/2024	ND	432	108	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	198	99.2	200	6.50	
DRO >C10-C28*	20.4	10.0	08/27/2024	ND	188	94.1	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/26/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact Sample Received By: Project Number: 03E2057102 Shalyn Rodriguez

Project Location: 32.808, -103.7725

Sample ID: SW 10 0-4 (H245180-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.25	112	2.00	1.92	
Toluene*	<0.050	0.050	08/27/2024	ND	2.31	115	2.00	1.63	
Ethylbenzene*	< 0.050	0.050	08/27/2024	ND	2.31	116	2.00	1.00	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	7.03	117	6.00	1.01	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2024	ND	432	108	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	198	99.2	200	6.50	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	188	94.1	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	86.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/26/2024 Reported: 08/30/2024

Project Name: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102 Project Location: 32.808, -103.7725 Sampling Date: 08/26/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW 10 4-6 (H245180-14)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.25	112	2.00	1.92	
Toluene*	<0.050	0.050	08/27/2024	ND	2.31	115	2.00	1.63	
Ethylbenzene*	< 0.050	0.050	08/27/2024	ND	2.31	116	2.00	1.00	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	7.03	117	6.00	1.01	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/28/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	198	99.2	200	6.50	
DRO >C10-C28*	581	10.0	08/27/2024	ND	188	94.1	200	6.39	
EXT DRO >C28-C36	152	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	18						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/26/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: 32.808, -103.7725

Sample ID: SW 01 0-4 (H245180-15)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.25	112	2.00	1.92	
Toluene*	<0.050	0.050	08/27/2024	ND	2.31	115	2.00	1.63	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.31	116	2.00	1.00	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	7.03	117	6.00	1.01	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	d By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/28/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	198	99.2	200	6.50	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	188	94.1	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/26/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: 32.808, -103.7725

Sample ID: SW 01 4-7 (H245180-16)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.25	112	2.00	1.92	
Toluene*	<0.050	0.050	08/27/2024	ND	2.31	115	2.00	1.63	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.31	116	2.00	1.00	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	7.03	117	6.00	1.01	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	mg/kg Analyzed By: CT							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/27/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	198	99.2	200	6.50	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	188	94.1	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	81.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and clients® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Sampler - UPS - Bus - Other:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

ANALYSIS REQUEST ANALYSIS REQ		(3/3) 333-2320	1010/000 =:		Marie A American		
d Time:	Company Name:	Ensolum, LLC			OL THIS		1
Time:	Project Manager	: Aimee Cole			P.O. #:		_
d Time:	Address: 3122 N	ational Parks Hwy			Company: FASoluA	1,11,0	
Time:	City: Carlsbad		State: NM		Attn: AiMee Cole		
d Time:	Phone #: (720) 3	84-7365	Fax #:		Address:		_
BTEX BTEX Time:	Project #: 036		Project Owner		City:		_
BTEX BTEX are email are email	Project Name: /	MCA 15-1					
Time:	Project Location		3.7		Phone #:		
BTEX	Sampler Name:	\mathcal{L}	,	4	Fax #:		
BTEX	FOR LAB USE ONLY			MATRIX	П		_
unit:	Lab I.D.	Sample I.D.	Depth (feet)	CONTAINERS GROUNDWATER WASTEWATER SOIL DIL	ACID/BASE: CE / COOL OTHER :	BTEX	
Time:	700	F508	7	7	1 8/364	1004 / 1/ 1	
SIDO 6 CI V I I I IOIO V V SIDO 6 CI V V III IOIO V V SIDO 7 CI V V III IOIO V V SIDO 8 CI V V III IOIO V V SIDO 7 CI V V III IOIO V V SIDO 7 CI V V III IOIO V V SIDO 7 CI V V III IOIO V V SIDO 7 CI V V III IOIO V V SIDO 7 CI V V III IOIO V V SIDO 7 CI V V III IOIO V V SIDO 7 CI V V III IOIO V V SIDO 7 CI V V III IOIO V V SIDO 7 CI V V III IOIO V V SIDO 7 CI V V III IOIO V V SIDO 7 CI V V III IOIO V III IOIO V V SIDO 7 CI V V III IOIO V III IOIO V V SIDO 7 CI V V III IOIO V III IOIO V III IOIO V III IOIO V V SIDO 7 CI V V III V III IOIO V III III	٧	6509	7	(1)		<	
are email are email	(vi)	£510	6	011		. <	
Time:	4	ES11	7	C 1 /	5	<	
be applicable are email are email	Ŋ	FS15	7	7	. <	1016 111	
are email	6	F516	8	V 1 7	_	1018	
v v v v v v v v v v v v v v v v v v v	74	4517	0	7 1 7	_	, <	
vapplicable as applicable ss, ss, se contains are email	×	30WS		/ 17	. 5	5	
ne papplicable ss, sult: are email are email:	2	SWOZ	4-0			>	
sult: are email are email	PLEASE NOTE: Liability an	d Damages. Cardinal's liability an	d client's exclusive remedy for an	ny claim arising whether based in contract of	or tort, shall be limited to the amount paid	ľ	
are email	analyses. All claims includir service. In no event shall Ca	g those for negligence and any o rdinal be liable for incidental or c g out of or related to the perform	ther cause whatsoever shall be consequental damages, including ance of services hereunder by C	leerned waived unless made in writing and without limitation, business interruptions, lo ardinal, regardless of whether such claim is	received by Cardinal within 30 days after iss of use, or loss of profits incurred by cli s based upon any of the above stated rea	applicable ss,	
Date: Received By: REMARKS: Time: Sample Condition CHECKED BY: Turnaround Time:	Relinquished By	1 4:	Date: 36/24	Received By:		Verbal Result: ☐ Yes ☐ No Add'i Phone #: All Results are emailed. Please provide Email address:	
Time: Che One) Che Che Che One) Che Che Che One) Che Che Che One) Che	1	1	Time:539	STOCK	meet	SUDE	5
Time: Sample Condition CHECKED BY: Turnaround Time: Standard M Bacteria (only) Sample Condition	Relinquished By	7.	Date:	Received By:		REMARKS:	
Sample Condition CHECKED BY: Turnaround Time: Standard W Bacteria (only) Sample Condition			Time:				
Charried temp.	Delivered By: (C	rcle One)	Observed Temp. °C	3つ Sample Condition	on CHECKED BY:	Turnaround Time: Standard W Bacteria (only) Sample Condition	

Corrected Temp. °C

Relinquished By:

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Observed

Relinquished By:

Time: Date: Time:

Received By:

inalyses. All claims including those for negligence and any other ervice. In no event shall Cardinal be liable for incidental or con-

tions, loss of use, or loss of profits

incurred by client, its subsidiaries

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

(0.0)		SECOND CONTROL OF SECOND SECON	TODICO DECLIES
Company Name: Ensolum, LLC		OL THIS	ANALTOIS REGUES!
Project Manager: Aimee Cole		P.O. #:	
Address: 3122 National Parks Hwy		Company: ENSOIMM, LLC	
City: Carlsbad	State: NM Zip: 88220	Attn: Aimee Cole	
Phone #: (720) 384-7365	Fax #:	Address:	
Project #: () 3 6 20 5 7 10 2	Project Owner:	City:	
Project Name: MCA 151		State: Zip:	
Project Location: 32.808, 703.	. 7725	Phone #:	
Sampler Name: Malio Salhis		Fax #:	5
FOR LAB USE ONLY	P. MATRIX	PRESERV. SAMPLING) e
Lab I.D. Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME BTE X	TPH
// Swog	10-4 61	V 8/26/24/313 V	
12 5209	1-2 2-1	1215	
13 Sw10	0-4	1000	
July July	7-0	/ scel	9
10 500	1 10 6-1	1 See1 1	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	lient's exclusive remedy for any claim arising whether based in con-	tract or tort, shall be limited to the amount paid by the client for the	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Cool Intact
Pres Pres
No No Sample Condition

> CHECKED BY: (Ipittals)

Turnaround Time: Thermometer ID

Standard

Bacteria (only) Sample Condition
Cool Intact Observed Temp. '

Yes Yes
No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

> نع 10 Page 20 of 20

CLOIC GENSOIMM. COM/MSOLLHIS GICHSOIMM.COM

verbal Result: ☐ Yes ☐ No ☐ Add'I Phone #:
All Results are emailed. Please provide Email address:



September 04, 2024

AIMEE COLE
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: MCA 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/28/24 14:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keine

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/28/2024 Sampling Date: 08/28/2024

Reported: 09/04/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Alyssa Parras

Applyand By 14

Project Location: 32.808, -103.7725

Sample ID: FS19 4 (H245239-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2024	ND	2.20	110	2.00	3.92	
Toluene*	<0.050	0.050	08/30/2024	ND	2.02	101	2.00	5.67	
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	2.09	104	2.00	4.82	
Total Xylenes*	<0.150	0.150	08/30/2024	ND	6.41	107	6.00	4.23	
Total BTEX	<0.300	0.300	08/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	08/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	219	109	200	1.09	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	223	112	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/28/2024 Reported: 09/04/2024

ma/ka

Project Name: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102 Project Location: 32.808, -103.7725 Sampling Date: 08/28/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: SW11 0-4 (H245239-02)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2024	ND	2.20	110	2.00	3.92	
Toluene*	<0.050	0.050	08/30/2024	ND	2.02	101	2.00	5.67	
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	2.09	104	2.00	4.82	
Total Xylenes*	<0.150	0.150	08/30/2024	ND	6.41	107	6.00	4.23	
Total BTEX	<0.300	0.300	08/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	219	109	200	1.09	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	223	112	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

Applyzod By: 14

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/28/2024 Sampling Date: 08/28/2024

Reported: 09/04/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Alyssa Parras 03E2057102

Project Location: 32.808, -103.7725

Sample ID: SW12 0-4 (H245239-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2024	ND	2.20	110	2.00	3.92	
Toluene*	<0.050	0.050	08/30/2024	ND	2.02	101	2.00	5.67	
Ethylbenzene*	< 0.050	0.050	08/30/2024	ND	2.09	104	2.00	4.82	
Total Xylenes*	<0.150	0.150	08/30/2024	ND	6.41	107	6.00	4.23	
Total BTEX	<0.300	0.300	08/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	219	109	200	1.09	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	223	112	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/28/2024 Reported: 09/04/2024

Project Name: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102 Project Location: 32.808, -103.7725 Sampling Date: 08/28/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SW13 0-4 (H245239-04)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2024	ND	2.20	110	2.00	3.92	
Toluene*	<0.050	0.050	08/30/2024	ND	2.02	101	2.00	5.67	
Ethylbenzene*	< 0.050	0.050	08/30/2024	ND	2.09	104	2.00	4.82	
Total Xylenes*	<0.150	0.150	08/30/2024	ND	6.41	107	6.00	4.23	
Total BTEX	<0.300	0.300	08/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	219	109	200	1.09	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	223	112	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/28/2024 Reported: 09/04/2024

MCA 151 FLOWLINE RELEASE

Project Name: MCA 151 FLO
Project Number: 03E2057102

Project Location: 32.808, -103.7725

Sampling Date: 08/28/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS22 6.5 (H245239-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2024	ND	2.20	110	2.00	3.92	
Toluene*	<0.050	0.050	08/30/2024	ND	2.02	101	2.00	5.67	
Ethylbenzene*	< 0.050	0.050	08/30/2024	ND	2.09	104	2.00	4.82	
Total Xylenes*	<0.150	0.150	08/30/2024	ND	6.41	107	6.00	4.23	
Total BTEX	<0.300	0.300	08/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9000	16.0	08/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	219	109	200	1.09	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	223	112	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/28/2024 Sampling Date: 08/28/2024

Reported: 09/04/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: 32.808, -103.7725

mg/kg

Sample ID: FS23 7 (H245239-06)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2024	ND	2.20	110	2.00	3.92	
Toluene*	<0.050	0.050	08/30/2024	ND	2.02	101	2.00	5.67	
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	2.09	104	2.00	4.82	
Total Xylenes*	<0.150	0.150	08/30/2024	ND	6.41	107	6.00	4.23	
Total BTEX	<0.300	0.300	08/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	08/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	219	109	200	1.09	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	223	112	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal§ liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/28/2024 Sampling Date: 08/28/2024

Reported: 09/04/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras Project Number: 03E2057102

Project Location: 32.808, -103.7725

Sample ID: SW14 0-5 (H245239-07)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2024	ND	2.00	100	2.00	2.01	
Toluene*	<0.050	0.050	08/30/2024	ND	1.92	96.0	2.00	2.09	
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.91	95.6	2.00	1.68	
Total Xylenes*	<0.150	0.150	08/30/2024	ND	5.72	95.3	6.00	0.993	
Total BTEX	<0.300	0.300	08/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	219	109	200	1.09	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	223	112	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/28/2024 Sampling Date: 08/28/2024

Reported: 09/04/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: 32.808, -103.7725

mg/kg

Sample ID: SW15 0-5 (H245239-08)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2024	ND	2.00	100	2.00	2.01	
Toluene*	<0.050	0.050	08/30/2024	ND	1.92	96.0	2.00	2.09	
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.91	95.6	2.00	1.68	
Total Xylenes*	<0.150	0.150	08/30/2024	ND	5.72	95.3	6.00	0.993	
Total BTEX	<0.300	0.300	08/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	219	109	200	1.09	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	223	112	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/28/2024 Sampling Date: 08/28/2024

Reported: 09/04/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: 32.808, -103.7725

mg/kg

Sample ID: SW17 0-6 (H245239-09)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2024	ND	2.00	100	2.00	2.01	
Toluene*	<0.050	0.050	08/30/2024	ND	1.92	96.0	2.00	2.09	
Ethylbenzene*	<0.050	0.050	08/30/2024	ND	1.91	95.6	2.00	1.68	
Total Xylenes*	<0.150	0.150	08/30/2024	ND	5.72	95.3	6.00	0.993	
Total BTEX	<0.300	0.300	08/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	219	109	200	1.09	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	223	112	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and clients® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINA Laboratori

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC				
Project Manager: Aimee Cole		OL MIG	ANALYSIS REQUEST	
Address: 3122 National Parks Hwy		P.O. #:		1
City: Carlsbad	State: NM Zin: 88220	Company: A, Mee Cole		
Phone #: (720) 384-7365		Address:		
Project #: 03E205702	Project Owner:	City:		
Project Name: MLA 151		State: Zin:		
Project Location: 32.808,	-103,7725	#		
e: Masio Sas	6.5	Fax #:		_
FOR LAB USE ONLY	MATRIX			
Lab I.D. Sample I.D.	(feet) Depth AB OR (C)OME NTAINERS UNDWATER TEWATER	BASE:	TEX PH hloride	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- # (GF	SLI OT AC	TIME	
2 SWII	7	1 8784 Od 48	146 / / /	
3 SWIA	0-4		0953 / / /	
4 SW13	17 1-0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0905	
5 7522	6,5 (1)		1038	-
- L&U			1041	
SIMS	7-5-0	<		
C1 SW17		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2 / / /	
EASE NOTE: Liability and Damages. Cardinal's liability and cl	EASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount and by the client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount and by the client is a size of the contract of tort, shall be limited to the amount and by the client is a size of the contract of tort, shall be limited to the amount and by the client is a size of the contract of tort, shall be limited to the amount and by the client is a size of the contract of tort.	ntract or tort, shall be limited to the amount haid by the		
vice. In no event shall Cardinal be liable for incidental or consiliates or successors arising out of or related to the performance linguished Ru-	vive. In no event shall Cardinal be liable for incidental or consequential damages, including without performance of services by Cardinal within 30 days after completion of the applicable littless or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated for hereasters or services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated for hereasters or determined to the performance of services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated for hereasters or determined to the performance of services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated for hereasters.	g and received by Cardinal within 30 days after comons, loss of use, or loss of profits incurred by client, lairn is based upon any of the above stated reasons.	oldonor for applicable substantial substan	l
	Time: Received By:		Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	
elinquished By:	Date: Received By:	RE	a cole@ ensolum com/msaskis@ensolum.com	
				_
		CHECKED BY:	I	
ampler - UPS - Bus - Other: Co	Xes No.	(Initials)	Rush C	
	- 1	Please email char	No No Corrected Temp. °C	L



September 18, 2024

AIMEE COLE

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: MCA 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/29/24 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Total Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY

Project Number: 03E2057102 CARLSBAD NM, 88220

Project: MCA 151 FLOWLINE RELEASE

Project Manager: AIMEE COLE

Fax To:

Reported: 18-Sep-24 10:27

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 24 3' FS 25 3'	H245272-01 H245272-02	Soil Soil	29-Aug-24 09:26 29-Aug-24 09:31	29-Aug-24 11:30 29-Aug-24 11:30
SW 19 0-3'	H245272-03	Soil	29-Aug-24 09:33	29-Aug-24 11:30

09/18/24 - Client changed the sample ID on -03 (see COC). This is the revised report and will replace the one sent on 09/04/24.

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence are any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102 Project Manager: AIMEE COLE

Fax To:

Reported: 18-Sep-24 10:27

FS 24 3' H245272-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	240		16.0	mg/kg	4	4083010	CT	30-Aug-24	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4083004	JH	30-Aug-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4083004	JH	30-Aug-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4083004	JН	30-Aug-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4083004	JН	30-Aug-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4083004	JH	30-Aug-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			121 %	71.5	-134	4083004	ЈН	30-Aug-24	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4082912	MS	29-Aug-24	8015B	_
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082912	MS	29-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082912	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctane			80.0 %	48.2	-134	4082912	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctadecane			83.5 %	49.1	-148	4082912	MS	29-Aug-24	8015B	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Project Manager: AIMEE COLE

Fax To:

Reported: 18-Sep-24 10:27

FS 25 3' H245272-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	4083010	CT	30-Aug-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4083004	JН	31-Aug-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4083004	JН	31-Aug-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4083004	JН	31-Aug-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4083004	JН	31-Aug-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4083004	JH	31-Aug-24	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		116 %	71.5	-134	4083004	JH	31-Aug-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4082912	MS	29-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082912	MS	29-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082912	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctane			74.3 %	48.2	-134	4082912	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctadecane			78.0 %	49.1	-148	4082912	MS	29-Aug-24	8015B	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102 Project Manager: AIMEE COLE

Fax To:

Reported: 18-Sep-24 10:27

SW 19 0-3' H245272-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4083010	CT	30-Aug-24	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4083004	JH	31-Aug-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4083004	JH	31-Aug-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4083004	JH	31-Aug-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4083004	JH	31-Aug-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4083004	JH	31-Aug-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			120 %	71.5	-134	4083004	ЈН	31-Aug-24	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4082912	MS	29-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082912	MS	29-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082912	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctane			81.0 %	48.2	-134	4082912	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctadecane			83.8 %	49.1	-148	4082912	MS	29-Aug-24	8015B	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102 Project Manager: AIMEE COLE

Fax To:

Reported: 18-Sep-24 10:27

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD			
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes		
Batch 4083010 - 1:4 DI Water												
Blank (4083010-BLK1)				Prepared &	Analyzed:	30-Aug-24						
Chloride	ND	16.0	mg/kg									
LCS (4083010-BS1)				Prepared &	Analyzed:	30-Aug-24						
Chloride	416	16.0	mg/kg	400		104	80-120					
LCS Dup (4083010-BSD1)				Prepared & Analyzed: 30-Aug-24								
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20			

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



%REC

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Spike

Source

Project Manager: AIMEE COLE

Fax To:

Reported: 18-Sep-24 10:27

RPD

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4083004 - Volatiles										
Blank (4083004-BLK1)				Prepared &	z Analyzed:	30-Aug-2	4			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0587		mg/kg	0.0500		117	71.5-134			
LCS (4083004-BS1)				Prepared &	Analyzed:	30-Aug-2	4			
Benzene	2.11	0.050	mg/kg	2.00		106	82.8-130			
Toluene	2.21	0.050	mg/kg	2.00		110	86-128			
Ethylbenzene	2.42	0.050	mg/kg	2.00		121	85.9-128			
m,p-Xylene	4.70	0.100	mg/kg	4.00		118	89-129			
o-Xylene	2.30	0.050	mg/kg	2.00		115	86.1-125			
Total Xylenes	7.01	0.150	mg/kg	6.00		117	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0570		mg/kg	0.0500		114	71.5-134			
LCS Dup (4083004-BSD1)				Prepared &	z Analyzed:	30-Aug-2	4			
Benzene	2.14	0.050	mg/kg	2.00		107	82.8-130	1.40	15.8	
Toluene	2.25	0.050	mg/kg	2.00		113	86-128	2.03	15.9	
Ethylbenzene	2.45	0.050	mg/kg	2.00		122	85.9-128	1.15	16	
m,p-Xylene	4.72	0.100	mg/kg	4.00		118	89-129	0.414	16.2	
o-Xylene	2.31	0.050	mg/kg	2.00		116	86.1-125	0.432	16.7	
Total Xylenes	7.04	0.150	mg/kg	6.00		117	88.2-128	0.420	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0557		mg/kg	0.0500		111	71.5-134			

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence are any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether successing is a subsidiaries or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether successing the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



%REC

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Spike

50.0

82.0

49.1-148

Source

Project Manager: AIMEE COLE

Fax To:

Reported: 18-Sep-24 10:27

RPD

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

41.0

		reporting		Spine	Source		, or the		ru D	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4082912 - General Prep - Organics										
Blank (4082912-BLK1)				Prepared &	k Analyzed:	29-Aug-24	1			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	37.1		mg/kg	50.0		74.2	48.2-134			
Surrogate: I-Chlorooctadecane	39.0		mg/kg	50.0		77.9	49.1-148			
LCS (4082912-BS1)				Prepared &	દે Analyzed:	29-Aug-24	1			
GRO C6-C10	204	10.0	mg/kg	200		102	66.4-123			
DRO >C10-C28	195	10.0	mg/kg	200		97.7	66.5-118			
Total TPH C6-C28	399	10.0	mg/kg	400		99.8	77.6-123			
Surrogate: 1-Chlorooctane	40.9		mg/kg	50.0		81.9	48.2-134			
Surrogate: 1-Chlorooctadecane	42.1		mg/kg	50.0		84.1	49.1-148			
LCS Dup (4082912-BSD1)				Prepared &	દે Analyzed:	29-Aug-2	1			
GRO C6-C10	207	10.0	mg/kg	200		104	66.4-123	1.54	17.7	
DRO >C10-C28	196	10.0	mg/kg	200		98.0	66.5-118	0.326	21	
Total TPH C6-C28	403	10.0	mg/kg	400		101	77.6-123	0.950	18.5	
Surrogate: 1-Chlorooctane	40.7		mg/kg	50.0		81.4	48.2-134			

mg/kg

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Surrogate: 1-Chlorooctadecane



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Maille, Elisolum, LLC		BILLTO	ANALYSIS REOLIECT	
Project Manager: Aimee Cole		P.O. #:		
Address: 3122 National Parks Hwy	y	Company: EN SOLUM, ILC		
City: Carlsbad	State: NM Zip: 88220	Attn: A.MOR COIR		
Phone #: (720) 384-7365	Fax #:	Address:		
Project #: 0352057100	Project Owner:	City:		
Project Name: MC A 151		State: Zip:		
Project Location: 32,808,-	-103.7725	#		
Sampler Name: Mosio Sal	76.75	Fax #:		
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	5	
	2		Je	
Lab I.D. Sample I.D.	OR (C)ONTAINERS	SE:	EX H lorid	
ACES HEH	(G)RAB # CONT GROUN	DATE TIME	BT	
18524		J 116/06/8 /		
2 85 2,5	1 N	093		
3 50189	0-3 ()	V 0033		
*				
PLEASE NOTE: Liability and Damages. Cardinal's liability and	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	or tort, shall be limited to the amount naid by the client for		
service. In no event shall Cardinal be liable for incidental or co affiliates or successors arising out of or related to the performa	service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business made in writing and received by Cardinal within 30 days after completion of the applicable affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, and the services arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based unon any of the advise service and constructions.	I received by Cardinal within 30 days after completion of the loss of use, or loss of profits incurred by client, its subsidiaries based upon any of the above stated transcens or otherwise.	applicable	
reiliquisiled by:	Date: Received By:	Verbal Result:	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Fmail address:	
Relinquished By:	Date: 30 Milata	Millal Sel a colo	a ColeDensolum. com/msarkis Qensolum nom	
		*Cu	stomer regrested ID chai	
Delivered By: (Circle One)	Observed Temp. °C (Sample Condition	on CHECKED BY: Turnaround Time:	Standard	47
Sampler - UPS - Bus - Other:	Corrected Temp. C.T. 9 Tyes Tyes	(Initials)	Rush 🖸	
FURM-000 K 3.2 10/0/121	H	1	otor -0.5°C /O /V/ □ No □ No Corrected Temp. °C	

Corrected Temp. °C



September 10, 2024

AIMEE COLE

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: MCA 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/05/24 14:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Total Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY Project: MCA 151 FLOWLINE RELEASE

Reported: 10-Sep-24 16:00

CARLSBAD NM, 88220

Project Number: 03E2057102

Project Manager: AIMEE COLE

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 12 6	H245390-01	Soil	05-Sep-24 10:25	05-Sep-24 14:37
FS 30 6	H245390-02	Soil	05-Sep-24 10:26	05-Sep-24 14:37
FS 31 6	H245390-03	Soil	05-Sep-24 10:29	05-Sep-24 14:37
FS 32 5	H245390-04	Soil	05-Sep-24 10:35	05-Sep-24 14:37
FS 33 6	H245390-05	Soil	05-Sep-24 10:36	05-Sep-24 14:37
FS 26 6	H245390-06	Soil	05-Sep-24 10:38	05-Sep-24 14:37
FS 27 6	H245390-07	Soil	05-Sep-24 10:40	05-Sep-24 14:37
FS 28 5	H245390-08	Soil	05-Sep-24 10:41	05-Sep-24 14:37
FS 29 6	H245390-09	Soil	05-Sep-24 10:43	05-Sep-24 14:37
SW 16 0-6	H245390-10	Soil	05-Sep-24 10:54	05-Sep-24 14:37
SW 06 0-4	H245390-11	Soil	04-Sep-24 14:21	05-Sep-24 14:37

09/10/24 - The wrong depth was logged in for samples -04 and -08. This is the revised report and will replace the one sent earlier today, 09/10/24.

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence are any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102 Project Manager: AIMEE COLE

Fax To:

Reported: 10-Sep-24 16:00

FS 12 6 H245390-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	528		16.0	mg/kg	4	4090626	CT	09-Sep-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4090537	JН	06-Sep-24	8021B	
Toluene*	0.179		0.050	mg/kg	50	4090537	JH	06-Sep-24	8021B	GC-NC1
Ethylbenzene*	1.25		0.050	mg/kg	50	4090537	JH	06-Sep-24	8021B	GC-NC1
Total Xylenes*	3.13		0.150	mg/kg	50	4090537	JH	06-Sep-24	8021B	GC-NC1
Total BTEX	4.56		0.300	mg/kg	50	4090537	JH	06-Sep-24	8021B	GC-NC1
Surrogate: 4-Bromofluorobenzene (PID)			121 %	71.5	-134	4090537	JH	06-Sep-24	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	121		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
DRO >C10-C28*	1390		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
EXT DRO >C28-C36	242		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctane			109 %	48.2	-134	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctadecane			115 %	49.1	-148	4090608	MS	06-Sep-24	8015B	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Project Manager: AIMEE COLE

Fax To:

Reported: 10-Sep-24 16:00

FS 30 6 H245390-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	864		16.0	mg/kg	4	4090626	CT	09-Sep-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Ethylbenzene*	0.263		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	GC-NC1, QM-07
Total Xylenes*	0.731		0.150	mg/kg	50	4090607	JH	06-Sep-24	8021B	GC-NC1
Total BTEX	0.994		0.300	mg/kg	50	4090607	JH	06-Sep-24	8021B	GC-NC1
Surrogate: 4-Bromofluorobenzene (PID))		119 %	71.5	-134	4090607	ЈН	06-Sep-24	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	34.7		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
DRO >C10-C28*	522		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
EXT DRO >C28-C36	75.2		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctane			101 %	48.2	-134	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctadecane			119 %	49.1	-148	4090608	MS	06-Sep-24	8015B	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Project Manager: AIMEE COLE

Fax To:

Reported: 10-Sep-24 16:00

FS 31 6 H245390-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	5600		16.0	mg/kg	4	4090626	CT	09-Sep-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Surrogate: 4-Bromofluorobenzene (P.	TD)		99.9 %	71.5	-134	4090607	ЈН	06-Sep-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctane			107 %	48.2	-134	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctadecane			126 %	49.1	-148	4090608	MS	06-Sep-24	8015B	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Project Manager: AIMEE COLE

Fax To:

Reported: 10-Sep-24 16:00

FS 32 5 H245390-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	272		16.0	mg/kg	4	4090626	CT	09-Sep-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4090607	ЈН	06-Sep-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		99.9 %	71.5-134		4090607	ЈН	06-Sep-24	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
DRO >C10-C28*	178		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
EXT DRO >C28-C36	40.7		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctane			107 %	48.2	-134	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctadecane			131 %	49.1	-148	4090608	MS	06-Sep-24	8015B	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Project Manager: AIMEE COLE

Fax To:

Reported: 10-Sep-24 16:00

FS 33 6 H245390-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	240		16.0	mg/kg	4	4090626	CT	09-Sep-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI.	D)		101 %	71.5	-134	4090607	ЈН	06-Sep-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
DRO >C10-C28*	21.7		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctane			97.6 %	48.2	-134	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctadecane			116 %	49.1	-148	4090608	MS	06-Sep-24	8015B	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Project Manager: AIMEE COLE

Fax To:

Reported: 10-Sep-24 16:00

FS 26 6 H245390-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	208		16.0	mg/kg	4	4090626	CT	09-Sep-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	71.5	-134	4090607	JH	06-Sep-24	8021B	
Petroleum Hydrocarbons by GC	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
DRO >C10-C28*	97.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
EXT DRO >C28-C36	31.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctane			99.1 %	48.2	-134	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctadecane			127 %	49.1	-148	4090608	MS	06-Sep-24	8015B	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Project Manager: AIMEE COLE

Fax To:

Reported: 10-Sep-24 16:00

FS 27 6 H245390-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	240		16.0	mg/kg	4	4090626	CT	09-Sep-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		102 %	71.5	-134	4090607	JH	06-Sep-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctane			99.3 %	48.2	-134	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctadecane			117 %	49.1	-148	4090608	MS	06-Sep-24	8015B	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102 Project Manager: AIMEE COLE

Fax To:

Reported: 10-Sep-24 16:00

FS 28 5 H245390-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	4090626	CT	09-Sep-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4090607	JН	06-Sep-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	D)		106 %	71.5	-134	4090607	ЈН	06-Sep-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
DRO >C10-C28*	568		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
EXT DRO >C28-C36	176		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctane			103 %	48.2	-134	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctadecane			131 %	49.1	-148	4090608	MS	06-Sep-24	8015B	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Project Manager: AIMEE COLE

Fax To:

Reported: 10-Sep-24 16:00

FS 29 6 H245390-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	4090626	CT	09-Sep-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			101 %	71.5	-134	4090607	JH	06-Sep-24	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctane			100 %	48.2	-134	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	4090608	MS	06-Sep-24	8015B	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Project Manager: AIMEE COLE

Fax To:

Reported: 10-Sep-24 16:00

SW 16 0-6 H245390-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	4090626	CT	09-Sep-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4090607	JН	06-Sep-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		103 %	71.5	-134	4090607	ЈН	06-Sep-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctane			101 %	48.2	-134	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	4090608	MS	06-Sep-24	8015B	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence are any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Project Manager: AIMEE COLE

Fax To:

Reported: 10-Sep-24 16:00

SW 06 0-4 H245390-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	4090626	CT	09-Sep-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4090607	JH	06-Sep-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		101 %	71.5	-134	4090607	JH	06-Sep-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctane			98.9 %	48.2	-134	4090608	MS	06-Sep-24	8015B	
Surrogate: 1-Chlorooctadecane			116 %	49.1	-148	4090608	MS	06-Sep-24	8015B	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence are any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Project Manager: AIMEE COLE Fax To:

Reported: 10-Sep-24 16:00

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4090626 - 1:4 DI Water										
Blank (4090626-BLK1)				Prepared: (06-Sep-24 A	analyzed: 09	9-Sep-24			
Chloride	ND	16.0	mg/kg							
LCS (4090626-BS1)				Prepared: (06-Sep-24 A	Analyzed: 09	9-Sep-24			
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (4090626-BSD1)				Prepared: (06-Sep-24 A	Analyzed: 09	9-Sep-24			
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence are any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



%REC

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Spike

Source

Project Manager: AIMEE COLE

Fax To:

Reported: 10-Sep-24 16:00

RPD

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4090537 - Volatiles										
Blank (4090537-BLK1)				Prepared: ()5-Sep-24 A	Analyzed: 0	6-Sep-24			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		95.3	71.5-134			
LCS (4090537-BS1)				Prepared: ()5-Sep-24 <i>A</i>	Analyzed: 0	6-Sep-24			
Benzene	1.50	0.050	mg/kg	2.00		75.2	82.8-130			BS-
Toluene	1.42	0.050	mg/kg	2.00		70.9	86-128			BS-
Ethylbenzene	1.46	0.050	mg/kg	2.00		72.8	85.9-128			BS-
m,p-Xylene	2.89	0.100	mg/kg	4.00		72.3	89-129			BS-
o-Xylene	1.42	0.050	mg/kg	2.00		70.8	86.1-125			BS-
Total Xylenes	4.31	0.150	mg/kg	6.00		71.8	88.2-128			BS-
Surrogate: 4-Bromofluorobenzene (PID)	0.0471		mg/kg	0.0500		94.2	71.5-134			
LCS Dup (4090537-BSD1)				Prepared: 0)5-Sep-24 <i>A</i>	Analyzed: 0	6-Sep-24			
Benzene	1.85	0.050	mg/kg	2.00		92.4	82.8-130	20.5	15.8	QR-0
Toluene	1.73	0.050	mg/kg	2.00		86.7	86-128	20.0	15.9	QR-0
Ethylbenzene	1.78	0.050	mg/kg	2.00		88.8	85.9-128	19.9	16	QR-0
m,p-Xylene	3.53	0.100	mg/kg	4.00		88.3	89-129	19.9	16.2	BS-3, QR-0
o-Xylene	1.72	0.050	mg/kg	2.00		86.1	86.1-125	19.5	16.7	QR-0
Total Xylenes	5.25	0.150	mg/kg	6.00		87.5	88.2-128	19.8	16.3	BS-3, QR-0
Surrogate: 4-Bromofluorobenzene (PID)	0.0471		mg/kg	0.0500		94.1	71.5-134			
Batch 4090607 - Volatiles										
				D 10	A 1 1	06.0. 24				
Blank (4090607-BLK1)				Prepared &	z Anaiyzed:	00-Sep-24	+			

Blank (4090607-BLK1)			Prepared & Analyzed: 06-Sep-24	
Benzene	ND	0.050	mg/kg	
Toluene	ND	0.050	mg/kg	
Ethylbenzene	ND	0.050	mg/kg	
Total Xylenes	ND	0.150	mg/kg	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence are any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



%REC

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Spike

Source

Project Manager: AIMEE COLE

Fax To:

Reported: 10-Sep-24 16:00

RPD

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Analyc	Result	Lillit	Omis	Level	Result	70KEC	Limits	KI D	Lillit	Tioles
Batch 4090607 - Volatiles										
Blank (4090607-BLK1)				Prepared &	: Analyzed:	06-Sep-24				
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		99.8	71.5-134			
LCS (4090607-BS1)				Prepared &	: Analyzed:	06-Sep-24				
Benzene	1.67	0.050	mg/kg	2.00		83.3	82.8-130			
Toluene	1.68	0.050	mg/kg	2.00		84.0	86-128			BS-3
Ethylbenzene	1.66	0.050	mg/kg	2.00		82.9	85.9-128			BS-3
m,p-Xylene	3.57	0.100	mg/kg	4.00		89.2	89-129			
o-Xylene	1.66	0.050	mg/kg	2.00		83.1	86.1-125			BS-3
Total Xylenes	5.23	0.150	mg/kg	6.00		87.1	88.2-128			BS-3
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		99.0	71.5-134			
LCS Dup (4090607-BSD1)				Prepared &	Analyzed:	06-Sep-24				
Benzene	1.86	0.050	mg/kg	2.00		93.0	82.8-130	10.9	15.8	
Toluene	1.87	0.050	mg/kg	2.00		93.6	86-128	10.8	15.9	
Ethylbenzene	1.84	0.050	mg/kg	2.00		92.2	85.9-128	10.7	16	
m,p-Xylene	3.94	0.100	mg/kg	4.00		98.5	89-129	9.92	16.2	
o-Xylene	1.84	0.050	mg/kg	2.00		92.0	86.1-125	10.2	16.7	
Total Xylenes	5.78	0.150	mg/kg	6.00		96.3	88.2-128	10.0	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0490		mg/kg	0.0500		98.1	71.5-134			

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine



%REC

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Spike

50.0

103

49.1-148

Source

Project Manager: AIMEE COLE

Fax To:

Reported: 10-Sep-24 16:00

RPD

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

51.6

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4090608 - General Prep - Organics										
Blank (4090608-BLK1)				Prepared &	ե Analyzed:	06-Sep-24				
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.4		mg/kg	50.0		92.8	48.2-134			
Surrogate: 1-Chlorooctadecane	48.1		mg/kg	50.0		96.1	49.1-148			
LCS (4090608-BS1)				Prepared &	ե Analyzed:	06-Sep-24				
GRO C6-C10	196	10.0	mg/kg	200		98.1	66.4-123			
DRO >C10-C28	191	10.0	mg/kg	200		95.4	66.5-118			
Total TPH C6-C28	387	10.0	mg/kg	400		96.7	77.6-123			
Surrogate: 1-Chlorooctane	52.0		mg/kg	50.0		104	48.2-134			
Surrogate: 1-Chlorooctadecane	53.0		mg/kg	50.0		106	49.1-148			
LCS Dup (4090608-BSD1)				Prepared &	ե Analyzed:	06-Sep-24				
GRO C6-C10	191	10.0	mg/kg	200		95.5	66.4-123	2.65	17.7	
DRO >C10-C28	190	10.0	mg/kg	200		94.9	66.5-118	0.531	21	
Total TPH C6-C28	381	10.0	mg/kg	400		95.2	77.6-123	1.60	18.5	
Surrogate: 1-Chlorooctane	50.6		mg/kg	50.0		101	48.2-134			

mg/kg

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence are any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether succession arising out of or related to the performance of the services hereunder by Cardinal Laboratories.

Celey D. Keene

Surrogate: 1-Chlorooctadecane



Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.

Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

QR-04

BS-3

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

The RPD for the BS/BSD was outside of historical limits.

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Relinquished By:

Sampler - UPS

- Bus - Other:

Delivered By: (Circle One)

Observed Temp.

c

CHECKED BY: (Intials)

Rush

Bacteria (only) Sample Condition

Corrected Temp. °C Observed Temp. °C * Custoner

OCOIEGENSOLUM, COM,

msackis@ensoum.com

rated ID Changes

Received By:

100

PLE

Relinquished By:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

S P P P P C A P C (575) 393-2326 FAX (575) 393-2476

onipally raille. Elisolalli, EEC				0	ON ANIO				ANALYSIS REQUEST
oject Manager: Aimee Cole				P.O. #:		-		-	
dress: 3122 National Parks Hwy	*			Company:	Company: Ensolum, LLC	^			
ty: Carlsbad	State: NM Zi	Zip: 88220	220	Attn: ATN	Attn: ATMEE COLE	100 1			
one #: (720) 384-7365	Fax #:			Address:					
oject #: 03E2057/02	Project Owner:			City:					
oject Name: MCA 151				State:	Zip:				
2.808,-10	37775			Phone #:					
70 0 0	0.1100			r Holle m.					
impler Name: / Mario Sarthi	٠			Fax #:				5	
OR LAB USE ONLY			MATRIX	PRESERV	SAMPLING			00	
245370 Sample I.D.	(feet) (G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: JCE / COOL OTHER:	DATE TIME	BTEX	TPH	Chlorida	
1 4518	0	-		1	2501 he/2/1	5	7	5	
9 FS30	0	1		-		7	<	_	
5 (FS3) *	0	-	5	1	1029	N	1	<	
4 fs24 FS 32	0	-	_	_	1035	5	5	9	
5 45851333	0	-	,	1	1036	6	5	<	
P836	0	1	~	0	1038	00	1	1	
7 FS27	7	~	5	<	1040	10	7	7	
& FS28	2	1	<	<	104	5	5	1	
9 FS29	2	-	,5	4	1043	13	<		
10 Sw16	2-0	-	<	4	V 100	1 450	?	\	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326	(575) 393-2326 FAX (575) 393-2476		
Company Name: Ensolum, LLC		OL THIB	ANALYSIS REQUEST
roject Manager: Aimee Cole		P.O. #:	
Address: 3122 National Parks Hwy	24	company: ENSOIWM, LLC	
City: Carlsbad	State: NM Zip: 88220	Attn: Aimee cole	
hone #: (720) 384-7365	Fax#:	Address:	
roject #: 03E2057102	Project Owner:	City:	
roject Name: MCA 151		State: Zip:	
808,	-103.7725	#	
Sampler Name: Mario Sarkis	KIN	Fax #:	
	MATRIX		5
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE	BTEX TPH CWOST de
11 Swo6			
EASE NOTE: Liability and Damages. Cardinal's liability and clik alyses. All claims including those for negligence and any other rvice. In no event shall Cardinal be liable for incidental or conse fillates or suncessors assisten of the for related to the neufromose.	ant's exclusive remedy for any claim arising whe cause whatsoever shall be deemed waived unit quental damages, including without limitation, to fearting the carefuse the carefuse to the carefuse the c	tract or tort, shall be limited to the amount paid by the clieng and received by Cardinal within 30 days after completion ons, loss of use, or loss of profits incurred by client, its shall also heard women out of the abune stands around a resident in the shall women the shall be sent women.	It for the opplicable sides is a second of the applicable sides is a second of the applicable sides is a second of the applicable second or the second of the second of the applicable second of the
telinquished By:	Pate: 124 Received	By: Verbal All Res	Verbal Result: □ Yes □ No Add'I Phone #: All Results are emailed. Please provide Email address: A しつし
Relinquished By:	Received By:	9	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C / Sample Condition Cool Intact Corrected Temp. °C / S Cool Intact Pes Yes	CHECKED BY: (Initial):	Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C Thermometer ID #113 72-hr Yes Yes Rush R

Page 20 of 20



September 11, 2024

AIMEE COLE
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: MCA 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/09/24 15:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/09/2024 Sampling Date: 09/09/2024

Reported: 09/11/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Alyssa Parras

Applyand By 14

Project Location: 32.808, -103.7725

Sample ID: FS 18 6.5 (H245439-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2024	ND	1.79	89.4	2.00	3.56	
Toluene*	0.089	0.050	09/10/2024	ND	1.74	87.1	2.00	3.46	
Ethylbenzene*	<0.050	0.050	09/10/2024	ND	1.77	88.3	2.00	4.01	
Total Xylenes*	<0.150	0.150	09/10/2024	ND	5.28	88.0	6.00	4.37	
Total BTEX	<0.300	0.300	09/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	09/10/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2024	ND	198	98.9	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/10/2024	ND	178	88.8	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	09/10/2024	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinals' liability and client's' exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/09/2024 Sampling Date: 09/09/2024

Reported: 09/11/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Alyssa Parras 03E2057102

Project Location: 32.808, -103.7725

Sample ID: FS 20 9 (H245439-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.29	0.500	09/10/2024	ND	1.79	89.4	2.00	3.56	GC-NC1
Toluene*	19.6	0.500	09/10/2024	ND	1.74	87.1	2.00	3.46	
Ethylbenzene*	25.8	0.500	09/10/2024	ND	1.77	88.3	2.00	4.01	
Total Xylenes*	46.5	1.50	09/10/2024	ND	5.28	88.0	6.00	4.37	
Total BTEX	93.3	3.00	09/10/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	140	% 71.5-13	34						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	09/10/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	795	10.0	09/10/2024	ND	198	98.9	200	2.48	
DRO >C10-C28*	2690	10.0	09/10/2024	ND	178	88.8	200	12.9	
EXT DRO >C28-C36	396	10.0	09/10/2024	ND					
Surrogate: 1-Chlorooctane	159	% 48.2-13	34						
Summanta I Chlanasatadasana	121	0/ 40.1.14	10						

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/09/2024 Sampling Date: 09/09/2024

Reported: 09/11/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: 32.808, -103.7725

ma/ka

Sample ID: FS 21 6.5 (H245439-03)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2024	ND	1.79	89.4	2.00	3.56	
Toluene*	<0.050	0.050	09/10/2024	ND	1.74	87.1	2.00	3.46	
Ethylbenzene*	0.051	0.050	09/10/2024	ND	1.77	88.3	2.00	4.01	
Total Xylenes*	<0.150	0.150	09/10/2024	ND	5.28	88.0	6.00	4.37	
Total BTEX	<0.300	0.300	09/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	09/10/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2024	ND	198	98.9	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/10/2024	ND	178	88.8	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	09/10/2024	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/09/2024 Sampling Date: 09/09/2024

Reported: 09/11/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact Sample Received By: Project Number: 03E2057102 Alyssa Parras

Project Location: 32.808, -103.7725

Sample ID: SW 12 4-6.5 (H245439-04)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2024	ND	1.79	89.4	2.00	3.56	
Toluene*	<0.050	0.050	09/10/2024	ND	1.74	87.1	2.00	3.46	
Ethylbenzene*	<0.050	0.050	09/10/2024	ND	1.77	88.3	2.00	4.01	
Total Xylenes*	<0.150	0.150	09/10/2024	ND	5.28	88.0	6.00	4.37	
Total BTEX	<0.300	0.300	09/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	09/10/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2024	ND	198	98.9	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/10/2024	ND	178	88.8	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	09/10/2024	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/09/2024 Sampling Date: 09/09/2024

Reported: 09/11/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact Sample Received By: Project Number: 03E2057102 Alyssa Parras

Project Location: 32.808, -103.7725

Sample ID: SW 11 4-9 (H245439-05)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2024	ND	1.79	89.4	2.00	3.56	
Toluene*	<0.050	0.050	09/10/2024	ND	1.74	87.1	2.00	3.46	
Ethylbenzene*	<0.050	0.050	09/10/2024	ND	1.77	88.3	2.00	4.01	
Total Xylenes*	<0.150	0.150	09/10/2024	ND	5.28	88.0	6.00	4.37	
Total BTEX	<0.300	0.300	09/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/10/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2024	ND	198	98.9	200	2.48	
DRO >C10-C28*	<10.0	10.0	09/10/2024	ND	178	88.8	200	12.9	
EXT DRO >C28-C36	<10.0	10.0	09/10/2024	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

RPD Relative Percent Difference

S-04

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Sampler - UPS - Bus - Other:

† Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnm.com

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		4	Pag	e I	9/	oj
١					Pa	
١			1			
1			4			
١			Γ			
1	(5	2	Д	י (D	1
1	75)	Eas	C	J	anger.	
Tooling II C	(575) 393-2326 FAX (575) 393-247	101 East Marland, Hobbs, NM 8824)	L)
7	232	ırlar	-	7	Г	1
١	6 F	ıd, F	1	ע	100	
	AX (ldo	($\frac{1}{2}$	-	,
	575	bs, I	5	7	4	-
	39	Z	-		I	>
	3-24	882	1	Ď	Įm	1000
	15	4	- 1	11		

- I i i i i i i i i i i i i i i i i i i	UALLE NM 88240			
101 East Mariand, (575) 393-2326 F	(575) 393-2326 FAX (575) 393-2476	CHIVE TO	ANALYSIS REQUEST	
ompany Name: Ensolum, LLC		P.O. #:		
roject Manager: Aimee Cole		Company: ENSOIUM, LLC		
ddress: 3122 National Parks Hwy		Attn: ATMER COLE		_
ity: Carlsbad	State: NM ZIP: 86ZZV	Address:		_
hone #: (720) 384-7365	Fax#:	City:		
roject #: 03E2057102	Rroject Owner:	State: Zip:		
roject Name: MCA 151		#		
Project Location: 32.808	-103.1123	Fax #:		
Sampler Name: Mano So	MATRIX	PRESERV. SAMPLING	0 5	
			X	
Lab I.D. Sample I.D.	(feet) RAB OR (C)OM ONTAINERS OUNDWATER ASTEWATER	UDGE THER: CID/BASE: E/COOL THER:	BTE) TPH Chlor	
HAHSHEH	# G	A		
2 [-520	9 0	V 0423	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	6.5	1 0954	_	
N S S S S S S S S S S S S S S S S S S S	1) - q - C	V C938		
	the district whether based in contract or tort, shall be limited to the amount paid by the client for the	contract or tort, shall be limited to the amount paid by the client	of the applicable	
PLEASE NOTE: Liability and Dairiages. On analyses. All claims including those for negligence and analyses. All claims including those for negligence and analyses.	PLEASE NOTE: Liability and usin specific process of profits incurred process of profits incurred process of profits incurred process. All claims including those for negligence and any other cause whatsoever shall be deemed ware uniforms, loss of use, or loss of profits incurred process. All claims including whose for negligence and any other cause whatsoever shall be included a profit of the process of the profit of th	ptions, loss of use, or loss of profits incurred by client, no order to claim is based upon any of the above stated reasons or other half.	ons or otherwise. Yes No Add'! Phone #:	
affiliates or successors arising out of or related to the performance Relinquished By:	Time: 29 0 200	All Results a OLO Olo	All Results are emailed. Please provide Email adultions. ALO EBEN SO WM, COM / MSO MTS BEN SO WM, CO M BENARKS:	0/uM.com
Relinquished By:	Date: Received by:			Condition
		tion CHECKED BY:	ne: Standard Bacteria (unity)	Observed Temp. °C
Delivered By: (Circle One)	Cool Intact		No No No	Corrected Temp. °C



September 16, 2024

AIMEE COLE
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: MCA 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/12/24 13:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keine

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/12/2024 Sampling Date: 09/12/2024

Reported: 09/16/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: 32.808, -103.7725

mg/kg

Sample ID: FS 20 9.5' (H245526-01)

BTEX 8021B

BIEX GOEED	9/	119	Andryzo	u 5 y : 5 : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.15	108	2.00	6.51	
Toluene*	<0.050	0.050	09/13/2024	ND	2.18	109	2.00	6.67	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.17	108	2.00	6.67	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.73	112	6.00	4.82	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	09/13/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	0.924	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	211	106	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/12/2024 Reported: 09/16/2024

ma/ka

Project Name: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102

Project Location: 32.808, -103.7725

Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 12 7' (H245526-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.15	108	2.00	6.51	
Toluene*	<0.050	0.050	09/13/2024	ND	2.18	109	2.00	6.67	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.17	108	2.00	6.67	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.73	112	6.00	4.82	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	09/13/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	0.924	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	211	106	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	91.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

Applyzod By: 14

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinals' liability and client's' exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kune

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

	(010) 000 2020	ו הא נטוטן טסטיבד	76					
Company Name: Ensolum, LLC	Ensolum, LLC			OLTHE BITTO		ANAL	ANALYSIS REQUEST	
Project Manager: Aimee Cole	: Aimee Cole			P.O. #:				
Address: 3122 N	Address: 3122 National Parks Hwy			Company: ENSOIMM, LLC	1,116			
City: Carlsbad		State: NM	Zip: 88220	Attn: ATMER COLE	16	10 mm		
Phone #: (720) 384-7365	84-7365	Fax #:		Address:		Mary vo		
Project #: 03E2057/02	2057/02	Project Owner:		City:		/		
Project Name: /	MCA 15-1			State: Zip:				
Project Location:	32,808,	-103, 7725	7	#				
Sampler Name:	Mariosal			Fax #:		<u>}</u>		
FOR LAB USE ONLY			MATRIX	ESERV.	SAMPLING	95		
Lab I.D.	Sample I.D.	Depth (feet)	G)RAB OR (C)OMP. CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE	OTHER:	BTEX TPH	Chlorida		
b-	PS90 PS12	9,5	~ ~ S S	1	-			
						7		
						1		
					1 1			
.EASE NOTE: Liability and alyses. All claims including vice. In no event shall Card liates or successors arising	Liability and Damages. Cardinal's liability and one including those for negligence and any other it shall Cardinal be liable for incidental or convisors arising out of or related to the performant	client's exclusive remedy for any or cause whatsoever shall be dee sequental darmages, including with co of services hereunder by Card	laim arising whether based in contract med walved unless made in writing an nout limitation, business interruptions, i nal, recardless of whether such claim	IEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the nalyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable price. In no event shall Cardinal be liable for incidental or consequental damages, including without initiation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, littates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claims is based into non arver the above extender of services hereunder by Cardinal, regardless of whether such claims is based into non arver the above extender of services hereunder by Cardinal, regardless of whether such claims is based into non arver that above extender of services hereunder by Cardinal, regardless of whether such claims is based into non arver that above extender of services hereunder by Cardinal, regardless of whether such claims is based into non arver that above extender of services hereunder by Cardinal, regardless of whether such claims is based into non arver that above extender of services hereunder by Cardinal regardless of whether such claims is a service of the se	by the client for the completion of the applicable ant, its subsidiaries,			L
Collinguished By:		Pate: 1310	Received By:		Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address: ALOIECENSOIUM.COM JMSa(K)SCE	□ No Add'l Phone #: Please provide Email addre 1. Cam / M Sa(K, SC	Add"I Phone #: wide Email address: M Sa (K, S O e N Sol U M , COM	
		Time:		<				
Delivered By: (Circle One) hampler - UPS - Bus - Other:		orrected Temp. °C	Corrected Temp. °C U. A. Sample Condition Cool Intact	n CHECKED BY:	Turnaround Time:	Standard Ba	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes	
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		7 2000			-

Page 5 of 5



September 16, 2024

AIMEE COLE
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: MCA 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/12/24 13:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keine

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/12/2024 Sampling Date: 09/12/2024 Reported: 09/16/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition:

Cool & Intact Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Project Location: 32.808, -103.7725

Sample ID: FS 34 13' (H245527-01)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.15	108	2.00	6.51	
Toluene*	<0.050	0.050	09/13/2024	ND	2.18	109	2.00	6.67	
Ethylbenzene*	0.152	0.050	09/13/2024	ND	2.17	108	2.00	6.67	
Total Xylenes*	0.423	0.150	09/13/2024	ND	6.73	112	6.00	4.82	
Total BTEX	0.575	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	29.7	10.0	09/13/2024	ND	221	111	200	0.924	
DRO >C10-C28*	1610	10.0	09/13/2024	ND	211	106	200	3.56	
EXT DRO >C28-C36	402	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/12/2024 Reported:

09/16/2024 MCA 151 FLOWLINE RELEASE

Project Name: Project Number: 03E2057102 Project Location: 32.808, -103.7725 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: SW 18 8-13' (H245527-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2024	ND	2.15	108	2.00	6.51	
Toluene*	<0.050	0.050	09/13/2024	ND	2.18	109	2.00	6.67	
Ethylbenzene*	<0.050	0.050	09/13/2024	ND	2.17	108	2.00	6.67	
Total Xylenes*	<0.150	0.150	09/13/2024	ND	6.73	112	6.00	4.82	
Total BTEX	<0.300	0.300	09/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	221	111	200	0.924	
DRO >C10-C28*	212	10.0	09/13/2024	ND	211	106	200	3.56	
EXT DRO >C28-C36	119	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinals' liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240

(575) 393-2326 F	(575) 393-2326 FAX (575) 393-2476		
Company Name: Ensolum, LLC		OLTHB	ANALYSIS REQUEST
Project Manager: Aimee Cole		P.O. #:	
Address: 3122 National Parks Hwy		Company: FASOIMM, LLC	100
City: Carlsbad	State: NM Zip: 88220	Attn: Aimee COK	
Phone #: (720) 384-7365	Fax #:	Address:	
Project #: 03/23057103	Project Owner:	City:	
3		State: Zip:	
on: 32,808,	103,7725	Phone #:	
-		1	
		PRESERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OME # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	BTEX TPH Chlorio
9 SW18	8-13 61	hoji neklih	<-
PLEASE NOTE: Liability and Damages. Cardinal's liability an analyses. All claims including those for negligence and any of service. In no event shall Cardinal be liable for incidental or or	ent's exc cause w	t or tort, shall be limited to the amount paid by the dreceived by Cardinal within 30 days after coming loss of use, or loss of profits incurred by client, it has determined by client and the description arms of the above stated reasons.	pplicable
Relinquished By:	Time SILON Received By:		ALOLE & ENSOLUM, LOM/M SATUTIONE #:
Relinquished By:	Date: Received By:	RE	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. CLA Sample Condition Corrected Temp. CLA Test Test Corrected Temp. CLA Test Test	CHECKED BY:	Turnaround Time: Standard Bacteria (only) Sample Condition
FURNI-000 K 3.2 10/07/21	+ Cardinal cannot accept verbal ch	hanges. Please email change	sardinallaberim.com

Page 5 of 5



September 17, 2024

AIMEE COLE
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: MCA 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/12/24 13:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/12/2024 Sampling Date: 09/12/2024 Reported: 09/17/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition:

** (See Notes) Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

A I J D. ... 711

Project Location: 32.808, -103.7725

Sample ID: SW - 18 0-4' (H245532-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2024	ND	2.22	111	2.00	1.39	
Toluene*	<0.050	0.050	09/14/2024	ND	2.26	113	2.00	0.628	
Ethylbenzene*	<0.050	0.050	09/14/2024	ND	2.26	113	2.00	0.0666	
Total Xylenes*	<0.150	0.150	09/14/2024	ND	6.94	116	6.00	0.263	
Total BTEX	<0.300	0.300	09/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/13/2024	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	201	100	200	1.17	
DRO >C10-C28*	<10.0	10.0	09/13/2024	ND	200	100	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/12/2024 Sampling Date: 09/12/2024
Reported: 09/17/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: ** (See Notes)

Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Project Location: 32.808, -103.7725

Sample ID: SW - 18 4-8' (H245532-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2024	ND	2.22	111	2.00	1.39	
Toluene*	<0.050	0.050	09/14/2024	ND	2.26	113	2.00	0.628	
Ethylbenzene*	<0.050	0.050	09/14/2024	ND	2.26	113	2.00	0.0666	
Total Xylenes*	<0.150	0.150	09/14/2024	ND	6.94	116	6.00	0.263	
Total BTEX	<0.300	0.300	09/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/13/2024	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2024	ND	201	100	200	1.17	
DRO >C10-C28*	14.4	10.0	09/13/2024	ND	200	100	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	09/13/2024	ND					
Surrogate: 1-Chlorooctane	97.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and clients® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



07 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum 11 C		Branching Comments Co	
Project Manager: Aimee Cole		ANY WALTER	ANALYSIS REQUEST
Address: 3122 National Parks Hwy	lwy	Company: FASOIRM/11	
City: Carlsbad	State: NM Zip: 88220	Attn: ATMER COLE	
hone #: (720) 384-7365	Fax #:	iss:	
roject #: 03E2057102	Project Owner:	City:	
roject Name: MCA 15-1		State: Zip:	
Project Location: 32, 808,-103, 7725	03.7725	#	
ampler Name: MACIO S	SOFKIS	Fax #:	
	MATRIX	ESERV. SAMPLING	
Lab I.D. Sample I.D.	(feet) Depth B OR (C)OMP. NTAINERS JUNDWATER EWATER	R: BASE: COOL R:	
SCC HO	GROWA SOIL	DATE TIME	
0/ 20	0-4	1 1 1 0501 herety	
108/08	0.8	1 0/1801 MORING	
yses. All claims including those for negligence and any oth- ce. In no event shall Cardinal be liable for incidental or con- tes or successors arising out of or related to the performan	er can sequi	or fort, shall be limited to the amount paid by the client for the videocount of the applicable of the client for the applicable of the ap	
linquished By:	Time: Pate: Received By: Verbal Results ALOIC Remarks	Jult: □ Yes □ No are emailed. Please pro	Add'l Phone #: vide Email address: MSA(Ki3 (3.01/50/UM,CのM)
elivered By: (Circle One) mpler - UPS - Bus - Other:	Observed Temp. °C4. Q Sample Condition Corrected Temp. °C4. 3: Dies Pres	CHECKED BY: Turnaround Time: Standard (Initials) Thermometer ID 4415	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes
FORM-000 K 3.Z 10/07/Z1	+ Cardinal cannot account and all the	Correction Factor D.3C	No Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



September 18, 2024

AIMEE COLE
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: MCA 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/13/24 15:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/13/2024 Sampling Date: 09/13/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Alyssa Parras

Applyand By 14

Project Location: 32.808, -103.7725

Sample ID: BACKFILL (H245604-01)

DTEV 0021D

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.13	106	2.00	0.815	
Toluene*	<0.050	0.050	09/17/2024	ND	2.02	101	2.00	0.761	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.03	101	2.00	1.91	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	6.10	102	6.00	2.52	
Total BTEX	<0.300	0.300	09/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/17/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2024	ND	208	104	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/16/2024	ND	202	101	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	09/16/2024	ND					
Surrogate: 1-Chlorooctane	91.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinals' liability and client's' exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and clients® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476

	(0.0) 000			
Company Name: Ensolum, LLC		01 771B	ANALYSIS REQUEST	
Project Manager: Aimee Cole		P.O. #:		1
Address: 3122 National Parks Hwy		Company: E/So/WM/LLC	WILL	
City: Carlsbad	State: NM Zip: 88220			_
hone #: (720) 384-7365	Fax #:	Addres		
roject #: 03E2057/02	Project Owner:	City:		
roject Name: MCA 15)		State: Zip:		
roject Location: 32,808,-103,	3.7725	#		
Sampler Name: Malio Salkis	,	Fay #:		
		rax #:		
FOR LABUSE ONLY		MATRIX PRESERV.	SAMPLING	
Lab I.D. Sample I.D.	(feet) (G)RAB OR (C)OMI	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: CE/COOL OTHER:	BTEX TPH Chlori	
Backfall	-	7	-	
				./
AGE NOTE LIVES AND STATE OF ST				
lyses. All claims including those for negligence and any other fice. In no event shall Cardinal be liable for incidental or consta ates or successors arising out of or related to the performance	itents exclusive remedy for any claim arising y r cause whatsoever shall be deemed waived, equental damages, including without limitation e of services hereunder by Cardinal, regardle	byes. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable rice. In no event shall Cardinal be liable for incidental or consequental damages, including which the limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, after or successors arising out of or related to the performance of services hereunder by Cardinal recardless of whother such daims to be a transport of the performance of services hereunder by Cardinal recardless of whother such daims to be a transport of the services.	id by the client for the er completion of the applicable client, its subsidiaries,	L
linquished By:	Date: Received By:	d By:	All Double Result: Yes No Add'l Phone #:	
linquished By:	Time: Date: Received By:	D S S S S S S S S S S S S S S S S S S S	ALO 12 C PL SOLUM, LOM/MSQ[K, SC PASOLUM, COM) REMARKS:	
	Time:			
	Dog Composition of the compositi	Sample Condition CHECKED BY: Cool Intact (Initials)	Bacteria (only) S	
mpler - UPS - Bus - Other: Co	Corrected Temp. °C	es lo	Thermometer ID #113 #1/10 Cool Infact Observed Temp. °C Correction Feator 425°C -0.00 No Corrected Temp. °C	



September 19, 2024

AIMEE COLE
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: MCA 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/13/24 15:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/13/2024 Reported: 09/19/2024

Project Name: MCA 151 FLOWLINE RELEASE

Project Number: 03E2057102 Project Location: 32.808, -103.7725

Sampling Date: 09/13/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: SB - 12 16 (H245605-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.24	112	2.00	5.71	
Toluene*	<0.050	0.050	09/17/2024	ND	2.35	117	2.00	0.614	QR-03
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.56	128	2.00	0.262	QR-03
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.73	129	6.00	0.958	
Total BTEX	<0.300	0.300	09/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	09/17/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2024	ND	208	104	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/16/2024	ND	202	101	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	09/16/2024	ND					
Surrogate: 1-Chlorooctane	90.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.3	% 49.1-14	8						

Applyand By 14

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client is subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-	(575) 393-2326 FAX (575) 393-2476	ANIAN ANIA	ANALYSIS REQUEST
ompany Name: Ensolum, LLC		DIRE IN	
roject Manager: Aimee Cole		P.O. #:	
ddress: 3122 National Parks Hwy			1
ity: Carlsbad	State: NM Zip: 88220	Attn: ATMER COIR	
hone #: (720) 384-7365	Fax #:	Address:	
roject #: 0362057102	Project Owner:	City:	
me: MCA		State: Zip:	
S. 22 :uc	-105,77785	Phone #:	
	ACK13	1	L
		PRESERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	-	BTEX TPH Chlor
58-12	6	V 1 / 1	
		1	
LEASE NOTE: Liability and Damages. Cardina nnalyses. All claims including those for negligen nnalyses. All claims including those for negligen to be a least shall Cardinal he liable for in	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause what saved analyses, all claims including the liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of use, or loss of the above about resource and resource and analyses.	or tort, shall be limited to the amount paid by received by Cardinal within 30 days after consists of use, or loss of profits incurred by client as of use, or loss of the observed treason.	pplicable
affiliates or successors arising out of or related to the performance Relinquished By:	the performance of services hereunder by Cardinal, regardless of whether such dam is based upon any or are access and any of the performance of services hereunder by Cardinal, regardless of whether such dam is based upon any or are access and any of the performance of services hereunder by Cardinal, regardless of whether such dam is based upon any or are access and any of the performance of services hereunder by Cardinal, regardless of whether such dam is based upon any or are access and any of the performance of services hereunder by Cardinal, regardless of whether such dam is based upon any or are access and any of the performance of services hereunder by Cardinal, regardless of whether such dam is based upon any or are access and any of the performance of services here are access and any of the performance of services here are access and any of the performance of services here are access and any of the performance of services here are access and any of the performance of the performa	S based upon any or the above seemed V	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address: ALOIOB ENSOIMM, COM/MSANKIS BENSOIMM, COM
Relinquished By:	Date: Received By:	A	REMARKS:
		CHECKED BY:	ly) S
Delivered By: (Circle One)	000	(Initials)	Rush to #140
Sampler - UPS - Bus - Other:	Corrected lamp: 5.2. No No No	The	



September 19, 2024

AIMEE COLE
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: MCA 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/13/24 15:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/13/2024 Sampling Date: 09/13/2024

Reported: 09/19/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Alyssa Parras

Applyand By 14

Project Location: 32.808, -103.7725

Sample ID: SB - 12 11' (H245606-01)

DTEV 0021D

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.24	112	2.00	5.71	
Toluene*	<0.050	0.050	09/17/2024	ND	2.35	117	2.00	0.614	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.56	128	2.00	0.262	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.73	129	6.00	0.958	
Total BTEX	<0.300	0.300	09/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	09/17/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2024	ND	208	104	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/16/2024	ND	202	101	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	09/16/2024	ND					
Surrogate: 1-Chlorooctane	108 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinals' liability and client's' exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kreene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/13/2024 Sampling Date: 09/13/2024

Reported: 09/19/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras Project Number: 03E2057102

Project Location: 32.808, -103.7725

Sample ID: SB - 12 14' (H245606-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.24	112	2.00	5.71	
Toluene*	<0.050	0.050	09/17/2024	ND	2.35	117	2.00	0.614	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.56	128	2.00	0.262	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.73	129	6.00	0.958	
Total BTEX	<0.300	0.300	09/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	09/17/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2024	ND	208	104	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/16/2024	ND	202	101	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	09/16/2024	ND					
Surrogate: 1-Chlorooctane	113 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/13/2024 Sampling Date: 09/13/2024

Reported: 09/19/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: 32.808, -103.7725

ma/ka

Sample ID: SB - 2 10' (H245606-03)

RTFY 8021R

Result <0.050 <0.050	Reporting Limit 0.050	Analyzed 09/17/2024	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	0.050	09/17/2024						- Qualifier
<0.050			ND	2.24	112	2.00	5.71	
	0.050	09/17/2024	ND	2.35	117	2.00	0.614	
<0.050	0.050	09/17/2024	ND	2.56	128	2.00	0.262	
<0.150	0.150	09/17/2024	ND	7.73	129	6.00	0.958	
<0.300	0.300	09/17/2024	ND					
117 9	% 71.5-13	4						
mg,	/kg	Analyze	d By: HM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
272	16.0	09/17/2024	ND	416	104	400	0.00	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/17/2024	ND	208	104	200	5.11	
<10.0	10.0	09/17/2024	ND	202	101	200	4.18	
<10.0	10.0	09/17/2024	ND					
109	% 48.2-13	4						
114	% 49.1-14	8						
	<0.050 <0.150 <0.300 117 9 mg/ Result 272 mg/ Result <10.0 <10.0 109 9	<0.050 0.050 <0.150 0.150 <0.300 0.300 117 % 71.5-13 mg/ky Result Reporting Limit 272 16.0 mg/ky Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 10.0 48.2-13	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/13/2024 Sampling Date: 09/13/2024

Reported: 09/19/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact Project Number: 03E2057102 Sample Received By: Alyssa Parras

Project Location: 32.808, -103.7725

Sample ID: SB - 2 14' (H245606-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.24	112	2.00	5.71	
Toluene*	<0.050	0.050	09/17/2024	ND	2.35	117	2.00	0.614	
Ethylbenzene*	< 0.050	0.050	09/17/2024	ND	2.56	128	2.00	0.262	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.73	129	6.00	0.958	
Total BTEX	<0.300	0.300	09/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/17/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2024	ND	208	104	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	202	101	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	6 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/13/2024 Reported: 09/19/2024

MCA 151 FLOWLINE RELEASE

ma/ka

Project Name: Project Number: 03E2057102

Project Location: 32.808, -103.7725 Sampling Date: 09/13/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: SB - 13 9' (H245606-05)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.24	112	2.00	5.71	
Toluene*	<0.050	0.050	09/17/2024	ND	2.35	117	2.00	0.614	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.56	128	2.00	0.262	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.73	129	6.00	0.958	
Total BTEX	<0.300	0.300	09/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	09/17/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2024	ND	208	104	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	202	101	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

Applyzod By: 14

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/13/2024 Reported: 09/19/2024

09/19/2024

Project Name: MCA 151 FLOWLINE RELEASE

ma/ka

Project Number: 03E2057102 Project Location: 32.808, -103.7725 Sampling Date: 09/13/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SB - 13 12' (H245606-06)

RTFY 8021R

B1EX 8021B	mg,	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.24	112	2.00	5.71	
Toluene*	<0.050	0.050	09/17/2024	ND	2.35	117	2.00	0.614	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.56	128	2.00	0.262	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.73	129	6.00	0.958	
Total BTEX	<0.300	0.300	09/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/17/2024	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2024	ND	208	104	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	202	101	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

Applyzod By: 14

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Project Manager: Aimee Cole		P.O.#:	ANALYSIS REQUEST
Address: 2499 Matianal Barka II		7.0. 3	
Address. 3122 National Parks Hwy	wy	Company: EASIMM, LLC	
City: Carlsbad	State: NM Zip: 88220	Attn: ATMEE COIE	
Phone #: (720) 384-7365	Fax #:	SSS:	
Project #: 03 E 205 7 10 2	Project Owner:	City:	
Project Name: (MCA 15)		State: Zin:	
Project Location: 32,808, -	-103.7725	#	
>	(his	Fax #	
	MATRIX	CEDV	
	2	SAMPLING	de
Lab I.D. Sample I.D.	(feet) (F	UDGE THER: SID/BASE: E/COOL THER: 3TEX TPH	Chlori
58-12	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	A	
SB-12		10201	
5 58-2	10 61	107	<
-05	1 6 1 7	₹ \	
_		1 Ser 1	
20-12		<	
ASE NOTE: Lability and Damages. Cardina's liability a lyses. All claims including those for negligence and any foce. In no event shall Cardinal be liable for incidental or lates or successors arising out of or related to the performance.	EASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the lyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable cand any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable cand any other cand and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable cand any other cause whatsoever shall be liable to incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	ct or tort, shall be limited to the amount paid by the client for the ind received by Cardinal within 30 days after completion of the applicable s, loss of use, or loss of profits incurred by client, its subsidiaries,	
	a//3/24 Received By:		S □ No Add'I Phone #:
linquished By:	Time: Opate: Received By:		All Results are emailed. Please provide Email address: ALDIC QC SOLUM, LOM /MSATK TS QC/150 /WM, COM REMARKS:
elivered By: (Circle One) impler - UPS - Bus - Other:	Observed Temp. °C Coorested Temp. °C Corrected Temp. °C Cool Intact Cool	CHECKED BY: Turnaround Time: (Initials)	
FORM-000 R 3.2 10/0//21	Cannot accon	Correction Factor OSC	O'(0'C No No Corrected Temp. °C



September 17, 2024

AIMEE COLE
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: MCA 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/16/24 15:58.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/16/2024 Sampling Date: 09/16/2024

Reported: 09/17/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Shalyn Rodriguez

Applyand By 14

Project Location: 32.808, -103.7725

Sample ID: FS 34 14 (H245625-01)

DTEV 0021D

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.17	108	2.00	5.65	
Toluene*	<0.050	0.050	09/17/2024	ND	2.07	103	2.00	6.26	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.06	103	2.00	6.84	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	6.16	103	6.00	7.27	
Total BTEX	<0.300	0.300	09/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/17/2024	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2024	ND	194	96.9	200	2.79	
DRO >C10-C28*	212	10.0	09/17/2024	ND	199	99.7	200	8.63	
EXT DRO >C28-C36	45.2	10.0	09/17/2024	ND					
Surrogate: 1-Chlorooctane	83.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and clients® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



71 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC		BHARTO		
Project Manager: Aimee Cole		P.O. #:	ANALYSIS REQUEST	1
Address: 3122 National Parks Hwy		Company: ENSOIKM, LIC		
City: Carlsbad	State: NM Zip: 88220	Attn: ATMOR LOIC	5	
Phone #: (720) 384-7365	Fax #:	Address:		_
Project #: 03E2057/02	Rroject Owner:	City:		_
Project Name: MCA 151		State: Zip:		_
Project Location: 32, 808, -163	103,7725	#		_
Sampler Name: Mario Sarki	555	Fax #:		
FOR LAB USE ONLY		PRESERV. SAMPLING		
	S ER			
Lab I.D. Sample I.D.	(feet) RAB OR (C) DINTAINERS DUNDWATE BTEWATER DOGE	ER: D/BASE: COOL ER:	TEX PH Chlosi	
1227	V S	A IC	I	L
	((OSCI MPHILA		
EASE NOTE: Liability and Damages. Cardinal's liability and	EASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim assistant hands have a			
alyses. All claims including those for negligence and any other of the consequence and any other of the consequence in a consequence of the performance is a consequence of the performance of the performance is a consequence of the performance of the performance is a consequence of the performance is a consequence of the performance is a consequence of	layes. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in witing and needed by Cardinal within 30 days after completion of the applicable vice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by clernt, its substitutions is used to the particular of the applicable of the applicable of the particular of the applicable of the applic	received by Cardinal within 30 days after completes of use, or loss of profits incurred by client, its based innon any of the above of the forces.	y ure cuent not me aphicable completion of the aphicable completion of the aphicable control is subsidiaries,	-
eiiiigutsined by:	Pate: Received By:		Verbal Result: ☐ Yes ☐ No Add'I Phone #:	
elinquished By:	Date: Received By:	Q C	a cole e ensolumicom / MSaTKis e ensolumicom	
	Time:			
Pelivered By: (Circle One)	Observed Temp. °C. 2. 4 Sample Condition	CHECKED BY:	Turnaround Time: Standard	
ampler - UPS - Bus - Other:	orrected Temp	(Initials)	#43+40 24-W	
FORM-000 R 3.Z 10/07/Z1	Coopt works o		No Lorrected Temp. °C	L



October 03, 2024

AIMEE COLE ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: MCA 151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/27/24 13:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/27/2024 Sampling Date: 09/27/2024

Reported: 10/03/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Tamara Oldaker

Applyand By 14

Project Location: 32.808, -103.7725

Sample ID: SB - 17 0-0.5' (H245901-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2024	ND	2.02	101	2.00	1.28	
Toluene*	<0.050	0.050	09/30/2024	ND	2.08	104	2.00	0.377	
Ethylbenzene*	<0.050	0.050	09/30/2024	ND	2.09	105	2.00	0.539	
Total Xylenes*	<0.150	0.150	09/30/2024	ND	6.25	104	6.00	0.793	
Total BTEX	<0.300	0.300	09/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/30/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	197	98.7	200	1.81	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	176	88.1	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	89.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/27/2024 Sampling Date: 09/27/2024

Reported: 10/03/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact
Project Number: 03E2057102 Sample Received By: Tamara Oldaker

Project Location: 32.808, -103.7725

Sample ID: SB - 17 0.5-1.0' (H245901-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2024	ND	2.02	101	2.00	1.28	
Toluene*	<0.050	0.050	09/30/2024	ND	2.08	104	2.00	0.377	
Ethylbenzene*	<0.050	0.050	09/30/2024	ND	2.09	105	2.00	0.539	
Total Xylenes*	<0.150	0.150	09/30/2024	ND	6.25	104	6.00	0.793	
Total BTEX	<0.300	0.300	09/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/30/2024	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	197	98.7	200	1.81	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	176	88.1	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.7	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and client® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kreine



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/27/2024 Sampling Date: 09/27/2024

Reported: 10/03/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Tamara Oldaker 03E2057102

Project Location: 32.808, -103.7725

Sample ID: SB - 18 0-0.5' (H245901-03)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2024	ND	2.02	101	2.00	1.28	
Toluene*	<0.050	0.050	09/30/2024	ND	2.08	104	2.00	0.377	
Ethylbenzene*	<0.050	0.050	09/30/2024	ND	2.09	105	2.00	0.539	
Total Xylenes*	<0.150	0.150	09/30/2024	ND	6.25	104	6.00	0.793	
Total BTEX	<0.300	0.300	09/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/30/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	197	98.7	200	1.81	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	176	88.1	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.6	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/27/2024 Sampling Date: 09/27/2024

Reported: 10/03/2024 Sampling Type: Soil

Project Name: MCA 151 FLOWLINE RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 03E2057102 Tamara Oldaker

Project Location: 32.808, -103.7725

Sample ID: SB - 18 0.5-1.0' (H245901-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	1.95	97.3	2.00	2.58	
Toluene*	<0.050	0.050	10/01/2024	ND	2.01	100	2.00	2.54	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.02	101	2.00	2.58	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.05	101	6.00	2.49	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/30/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	197	98.7	200	1.81	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	176	88.1	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal® liability and clients® exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

71 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC		OHIO TO	
Project Manager: Aimee Cole		PO#	ANALYSIS REQUEST
Address: 3122 National Parks Hwy		1	
City: Carlsbad	State: NM Zip: 88220	Attn: A/Meg/010	
720)	Fax #:	10	
1 1	Project Owner:	City:	
Project Name: /VL# 151		State: Zip:	
3	103.7725	*	
Sampler Name: MAGIO SAFKI	113	Fax #:	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	
Lab I.D. Sample I.D.	R (C)OMP NERS WATER	X H	rite
1245901	G)RAB (CONTAGROUND	LUDGE THER: CID/BAS SE/COO THER:	<u>Chl</u>
158-17	→ # ∨ ∨ S	S O A C O DAIE TIME	
258-17	O	0.7/07	
1-8	0-0.5	102	
81-954	0.5-1.0 61	1 4 105 7 7	
ASE NOTE: Liability and Damages. Cardinal's liability and olyses. All claims including those for negligence and any other loc. In no event shall Cardinal be label for including the content or come.	ASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the client for the lice. In no event shall Cardinal be highly for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the lice. In no event shall Cardinal be highly for contract or contract or the limited to the amount paid by the client for the	ASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the lice. In no event shall Cardinal be shallowed by Cardinal within 30 days after completion of the limited to the amount paid by the client for the	
linquished By:	Date: 1873 Received By:	laim is based upon any of the above stated reasons or otherwise. Verbal Result: Yes	□ No Add'l Phone #:
linquished By:	Date: Received By:	REMARKS:	. Please provide Email address: 以M, COM/MSa(K,SCENSO)MM, COM
mpler - UPS - Bus - Other:	Sample Cool Infa	CHECKED BY: Turnaround Time:	Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp of
FORM-000 K 3.Z 10/07/Z1	accept verbal of	No Correction Factor - O.XCT Correction Factor - O.XCT	Y ? 9¢1/24 Nc No Corrected Temp. ℃
		langes. Please email changes to color land	

<u>District I</u> 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

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**

QUESTIONS

Action 392403

QUESTIONS

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	392403
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites			
Incident ID (n#)	nAPP2328619341		
Incident Name	NAPP2328619341 MCA UNIT 151 FLOWLINE RELEASE @ 30-025-00739		
Incident Type	Produced Water Release		
Incident Status	Reclamation Report Received		
Incident Well	[30-025-00739] MCA UNIT #151		

Location of Release Source	Location of Release Source				
Please answer all the questions in this group.					
Site Name	MCA UNIT 151 FLOWLINE RELEASE				
Date Release Discovered	10/08/2023				
Surface Owner	Federal				

Incident Details			
Please answer all the questions in this group.			
Incident Type	Produced Water Release		
Did this release result in a fire or is the result of a fire	No		
Did this release result in any injuries	No		
Has this release reached or does it have a reasonable probability of reaching a watercourse	No		
Has this release endangered or does it have a reasonable probability of endangering public health	No		
Has this release substantially damaged or will it substantially damage property or the environment	No		
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No		

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Corrosion Flow Line - Production Crude Oil Released: 1 BBL Recovered: 0 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 15 BBL Recovered: 0 BBL Lost: 15 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	A flowline rupture resulted in the release of 1 bbls of crude oil and 15 bbls of produced water off-pad into open pasture.

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

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 2

Action 392403

QUESTI	ONS (contin	ued)				
Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002		OGRID:				
QUESTIONS	•					
Nature and Volume of Release (continued)						
Is this a gas only submission (i.e. only significant Mcf values reported)	No, accordi	ng to supplied volumes this does not appear to be a "gas only" report.				
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No					
Reasons why this would be considered a submission for a notification of a major release						
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to	b be submitted on the C-129 form.				
mittel Peanance						
initial Response The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that	would result in injury				
The source of the release has been stopped	True	Toda Tooda III II Jary.				
The impacted area has been secured to protect human health and the environment		True				
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices		True				
All free liquids and recoverable materials have been removed and managed appropriately		True				
If all the actions described above have not been undertaken, explain why						
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remed actions to date in the follow-up C-141 submission. If remedial efforts have been successfully comple Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure e	ed or if the releas	se occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of				
I hereby certify that the information given above is true and complete to the best of my leto report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to a	ases which may	y endanger public health or the environment. The acceptance of a C-141 report by				

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

Name: Aimee Cole

Email: acole@ensolum.com Date: 05/07/2024

I hereby agree and sign off to the above statement

local laws and/or regulations.

<u>District I</u> 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 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462 **Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 392403

QUESTIONS (continued)

State of New Mexico

Energy, Minerals and Natural Resources

Operator: OGRID: Maverick Permian LLC 331199 1000 Main Street, Suite 2900 Action Number Houston, TX 77002 392403 Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization				
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the			
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)			
What method was used to determine the depth to ground water	NM OSE iWaters Database Search			
Did this release impact groundwater or surface water	No			
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:				
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)			
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)			
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)			
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)			
Any other fresh water well or spring	Between 1 and 5 (mi.)			
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)			
A wetland	Between ½ and 1 (mi.)			
A subsurface mine	Between ½ and 1 (mi.)			
An (non-karst) unstable area	Greater than 5 (mi.)			
Categorize the risk of this well / site being in a karst geology	Low			
A 100-year floodplain	Greater than 5 (mi.)			
Did the release impact areas not on an exploration, development, production, or storage site	Yes			

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	5360	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	40400	
GRO+DRO (EPA SW-846 Method 8015M)	34320	
BTEX (EPA SW-846 Method 8021B or 8260B)	587	
Benzene (EPA SW-846 Method 8021B or 8260B)	23.7	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence 08/01/2024		
On what date will (or did) the final sampling or liner inspection occur	09/01/2024	
On what date will (or was) the remediation complete(d)	09/01/2024	
What is the estimated surface area (in square feet) that will be reclaimed	13000	
What is the estimated volume (in cubic yards) that will be reclaimed	2000	
What is the estimated surface area (in square feet) that will be remediated	13000	
What is the estimated volume (in cubic yards) that will be remediated	2500	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted	d in accordance with the physical realities encountered during remediation. If the responsible party has any need to	

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

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

QUESTIONS, Page 4

Action 392403

QUESTIONS (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	392403
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Bone Matter Dies (continued)			
Remediation Plan (continued)			
Please answer all the questions that apply or are indicated. This information must be provided to the	Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:			
(Select all answers below that apply.)			
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)			
Which OCD approved facility will be used for off-site disposal	R360 ARTESIA LLC LANDFARM [fEEM0112340644]		
OR which OCD approved well (API) will be used for off-site disposal	Not answered.		
OR is the off-site disposal site, to be used, out-of-state	No		
OR is the off-site disposal site, to be used, an NMED facility	No		
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No		
(In Situ) Soil Vapor Extraction	No		
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No		
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No		
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No		
Ground Water Abatement pursuant to 19.15.30 NMAC	No		
OTHER (Non-listed remedial process)	No		

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement

Name: Aimee Cole Email: acole@ensolum.com Date: 05/07/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

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**

QUESTIONS, Page 5

Action 392403

QUESTIONS (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	392403
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation. Requesting a deferral of the remediation closure due date with the approval of this No submission

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

QUESTIONS, Page 6

Action 392403

QUESTIONS (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	392403
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	385206
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/23/2024
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	2000

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	13200
What was the total volume (cubic yards) remediated	4800
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	13200
What was the total volume (in cubic yards) reclaimed	4800
Summarize any additional remediation activities not included by answers (above)	Incident Number nAPP2420871904 was remediated in coordination with nAPP2328619341. Remediation activities were completed in accordance with the approved work plan.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Name: Aimee Cole
I hereby agree and sign off to the above statement
Email: acole@ensolum.com
Date: 10/14/2024

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

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**

QUESTIONS, Page 7

Action 392403

	(continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	392403
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)
OUESTIONS	

QUESTIONS

Reclamation Report		
Only answer the questions in this group if all reclamation steps have been completed.		
Requesting a reclamation approval with this submission	Yes	
What was the total reclamation surface area (in square feet) for this site	13200	
What was the total volume of replacement material (in cubic yards) for this site	4800	
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.		
Is the soil top layer complete and is it suitable material to establish vegetation	Yes	
On what (estimated) date will (or was) the reseeding commence(d)	10/04/2024	
Summarize any additional reclamation activities not included by answers (above)	Reclamation activities are summarized in the attached Closure Request.	
	reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form it field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13	
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

Name: Aimee Cole Email: acole@ensolum.com Date: 10/14/2024 I hereby agree and sign off to the above statement

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

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**

QUESTIONS, Page 8

Action 392403

QUESTIONS (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	392403
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report		
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.		
Requesting a restoration complete approval with this submission	No	
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.		

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

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 392403

CONDITIONS

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	392403
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	The reclamation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this 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; or if the location fails to revegetate properly. In addition, OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	10/16/2024
amaxwell	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	10/16/2024
amaxwell	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	10/16/2024