



McNabb Partners, LLC
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April 14, 2025

NM Oil Conservation Division
Environmental Bureau
1220 South St. Francis Dr.
Santa Fe, NM 87505

RE: Remediation Closure Request
Incident ID: nAPP2417651378
Hawk 9 Battery
Incident Location: F-09-18S-27E Eddy County, New Mexico
Lat/Long: 32.76431, -104.28511
Project ID: 20240623-rileyPermian-hawk9battery

NMOCD:

McNabb Partners, LLC submit this closure request on behalf of Riley Permian Operating Company, LLC. This report includes remediation action and confirmation sampling activities conducted at the Hawk 9 Battery site.

The release was discovered on June 23, 2024, due to the corrosion in a production tank. The release was confined within the secondary earthen containment. All free-standing fluids were recovered. The saturated caliche was hauled off to the approved disposal facility. The release consisted of approximately 45 barrels (bbls) of crude oil of which 45 bbls were recovered.

1. Characterization

The following sections address items as described in 19.15.29.11.A, paragraphs 1-4. Please refer to the characterization table below for additional setback criteria and Plat 2 for verification.

1.1. Site Location

Plat 1 shows the topographical location of the site. The release occurred within the bermed earthen containment in the tank battery area located at 32.764236, -104.285520 (Lat, Long; NAD83). Horizontal migration of the release was fully contained by the existing berms. The release covered an area of approximately 3,577 sq. ft within a bermed containment. The area of interest observed during initial site assessment is shown in Plat 3.



Site Characterization	
What is the shallowest depth to groundwater (ft bgs)	Unknown (less than 25 ft bgs)
What measure was used to determine this?	NM OSE iWaters Database Search
Did this release impact ground 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 1000 ft and 0.5 mi
• Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	Between 1 mi and 5 mi
• An occupied permanent residence, school, hospital, institution or church	Between 1 mi and 5 mi
• A spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 mi and 5 mi
• Any other fresh water well or spring	Between 1 mi and 5 mi
• Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 mi and 5 mi
• A wetland	Between 1000 ft and 0.5 mi
• A subsurface mine	Between 1 mi and 5 mi
• A (non-karst) unstable area	Between 1 mi and 5 mi
• Categorize the risk of this well/site being in a karst geology	High
• A 100-year floodplain	Between 1 mi and 5 mi
• Did the release impact areas not on an exploration, development, production, or storage site?	No



1.2. Site Characterization

Based on a review of the USGS and NMOSE groundwater databases, there is one known groundwater sources within ½-mile of the site. The nearest identified boring RA-03714 is located approximately 0.47 miles west of the release extent and was drilled in 1957 to reported depth of 381 feet below ground surface (ft bgs). No record or boring log was found in NMOSE database. The location of a well is shown in Plat 2. There are 2 dry intermittent streams present within a 1000 ft and ½-mile of the site, respectively.

The Site is located more than 200 feet from a lakebed, sinkhole, or playa lake, and over 300 feet from any occupied residence, school, hospital, institution, church, or wetland. The site is over 1,000 feet from a freshwater well or spring and is not within a 100-year floodplain or above a subsurface mine. The site is located within a High Karst potential geological area. Complete site characterization map is shown in Plat 2.

Closure Criteria as listed in Table 1 of 19.15.29 NMAC, where the Karst potential is high, is defined as:

DTW - Unknown	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)
0 - 4 feet & "not in-use"	600	--	100	10	50
> 4 ft or "in-use"	600	--	100	10	50

2. Initial Site Assessment

On September 11, 2024, McNabb Partners were on site to characterize the release and assess vertical and horizontal impacts. 3 vertical delineation samples points (i.e., CS-01, CS-02 and CS-03) were installed with GeoProbe directly inside the tank battery at the most visually impacted surfaces. All soil samples were collected at depths of 0.5, 2 and 4 ft bgs and were further advanced until a complete delineation. 4 lateral delineation sample points (i.e., H-1 through H-4) were installed with GeoProbe adjacent to the earthen berm surrounding the tank battery. Lateral delineation samples were collected at depths of 0.5, 2 and 4 ft bgs.

All soil samples were analyzed by Cardinal Laboratories in Hobbs, New Mexico for benzene, toluene, ethylbenzene, and xylene (BTEX), total petroleum hydrocarbon (TPH) and chloride concentrations. Lateral delineation samples H-1 through H-4 met NMOCD closure criteria from Table I (19.15.29 NMAC) at all depths.

Analytical results indicate that vertical delineation samples exceeded most stringent NMOCD Closure Criteria concentrations from Table I (19.15.29 NMAC) at depths ranging from 0.5 to 6.5 ft bgs at sample point CS-01, 0.5 to 11 ft bgs at sample point CS-02, and 0.5 to 10 at sample point CS-03. Complete vertical delineation of impacted soils within the tank battery was achieved at all sample points, including CS-01, CS-02, and CS-03.



3. Remediation Activities and Confirmation Sampling

After release impacts were delineated, McNabb Partners, on behalf of Riley Permian Operating Company, submitted a request to the NMOCD on October 10th, 2024 to defer remediation around the active storage tank battery and surrounding equipment. The deferral request was subsequently rejected on December 26th, 2024, per the NMOCD notice 'Karst Potential Occurrence Zones' prohibiting deferrals in High and Medium Karst potential zones, effective December 1st, 2024.

After the deferral request was rejected, Riley Permian Operating Company removed all storage tanks from the bermed containment to initiate remediation activities. Remediation activities began on March 7th, 2025. 3,577 sq ft of impacted soil surface within a tank battery containment have been remediated to depths ranging from 6 to 12.5 ft bgs. All impacted soil was hauled off for disposal at the approved facility (R360 Halfway Disposal and Landfill, Facility ID: fEEM0112334510).

The confirmation soil samples (5-point composite) were collected from areas not greater than 200 square feet (or less) from the excavation bases and sidewalls and analyzed for TPH, BTEX and chloride by a certified laboratory.

On March 12th, 2025, 11 side wall confirmation samples (i.e., WS-01 through WS-11) were collected from the outside walls of the excavation and 21 base confirmation samples (i.e., BS-01 through BS-21) were collected from the base of the excavation at the average depth of 6 ft bgs measured at the well pad. Excavation depth averaged at 6 feet but varied across the site due to varied topography on and off pad, and natural slopes. Excavation was adjusted accordingly to follow the existing depth and grade to ensure complete removal of impacted material.

Composite sample point BS-03, BS-13, BS-18 were collected from the deeper areas (7, 12.5 and 11 ft bgs, respectively) of the excavation in order to address the contamination found during the initial site assessment at sample points CS-01, CS-02 and CS-03, respectively. As base surfaces of BS-03, BS-13, and BS-18 sample points are each significantly less than 200 square feet, these composite samples also incorporated the surrounding inside walls from the 6-ft base to the respective total depth at each sample point.

Analytical results indicate that side wall confirmation samples BS-13 and WS-03 exceed NMOCD closure criteria for chloride concentrations listed in Table I (19.15.29 NMAC). Following the receipt of analytical data, the respective areas BS-13 and WS-03 were excavated further horizontally and vertically to ensure all impacted soils were removed. On March 25th, 2025, after the completion of the excavation, composite base sample BS-13 was recollected at a new depth of 12.5 ft bgs and composite side walls WS-03A and WS-12 were collected from every 200 sq ft of the new excavation side walls. WS-12 incorporated all interior sidewalls from the 6-foot base to the total depth of 12.5 feet around base sample BS-13.

Analytical results indicate that all base and sidewall confirmation samples meet the most stringent closure criteria for sites located in the High Karst Potential Zone, therefore all impacted soil was removed from the area of release. As all composite sample concentrations were below closure



criteria of Table I (19.15.29.12 NMAC), the excavated areas were backfilled using clean, non-waste containing caliche to restore the surface to an active production pad for oil and gas operations. Deeper portions of the excavation were backfilled with clean, larger rock material to restore a natural grade.

- Plat 1 shows the topographic map of the location.
- Plat 2 provides a summary of the key factors used in the site characterization determination.
- Plat 3 shows the release extent and delineation sample locations.
- Plat 4 shows the final remediation map including confirmation sample locations.
- Table A shows the complete analytical summary of all initial site assessment samples.
- Table B shows the complete analytical summary of all composite confirmation samples.
- All sampling notifications are included in Appendix A.
- Certificate of Analysis and laboratory reports are included in Appendix B.
- Figures 1 through 24 show the photolog of remediation activities on site.

4. Closure Request

Remediation Closure Request	
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?	Yes
What was the total surface area (in sq ft) remediated?	3,577
What was the total volume (cubic yards) remediated?	1102
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of 4 ft non waste containing material with concentration less than 600 mg/kg chlorides?	Yes
What was the total surface area (in sq ft) reclaimed?	3,577
What was the total volume (in cubic yards) reclaimed?	1102
Summarize any addition remediation activities not included in answers above	Dig and haul disposal

McNabb Partners, LLC, on behalf of Riley Permian Operating Company, LLC, respectfully request closure for the incident ID: nAPP2417651378. Based on the remedial action activities and confirmation samples analytical results, the Site is compliant with applicable closure requirements set forth in rule 19.15.19.12 NMAC and no further actions are required at the site.



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The site conditions have been restored to support oil and gas production and storage operations. To prevent any potential release from impacting the clean material beneath the tank battery, the area has been lined and capped with gravel. This serves as a protective measure and allows for easier access in the event that future remediation activities are necessary.

When the production site is no longer in use for oil and gas operations, the surface will be restored, reclaimed and revegetated per 19.15.29.12 and 19.15.29.13 NMAC.

Please contact me with any questions at 917-497-6890.

Sincerely,

Dimitry Nikanorov
Project Manager
McNabb Partners
(917) 497-6890



Copy: Spence Laird, Riley Permian Operating Company, LLC
Bureau of Land Management



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Figure 1. Area of Interest.



Figure 2. Area of Interest.

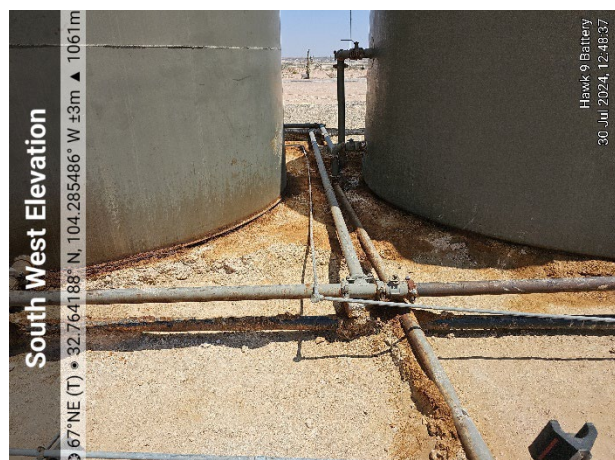


Figure 3. Area of Interest.

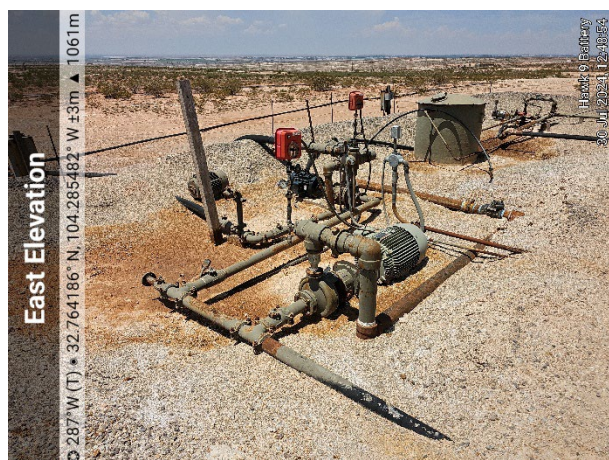


Figure 4. Area of Interest.



Figure 5. Area of Interest.



Figure 6. Sampling activities with GeoProbe.



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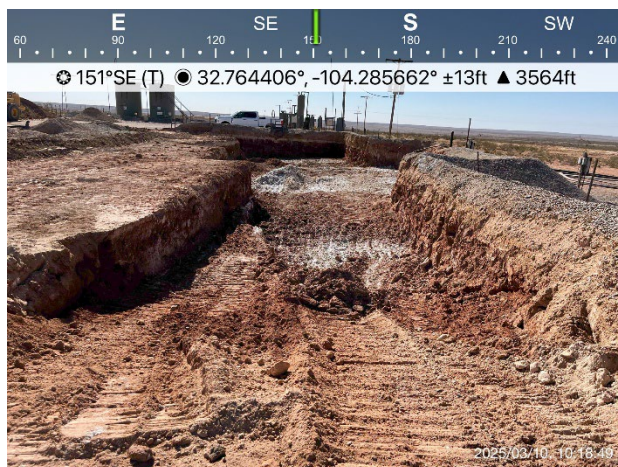


Figure 7. Remediation Activities.



Figure 8. Remediation Activities.

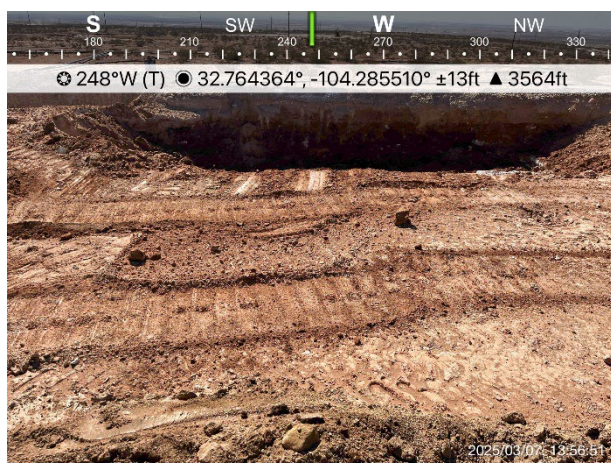


Figure 9. Remediation Activities.

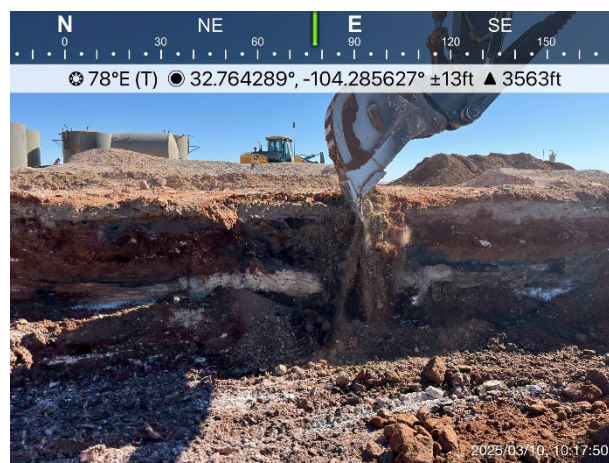


Figure 10. Remediation Activities

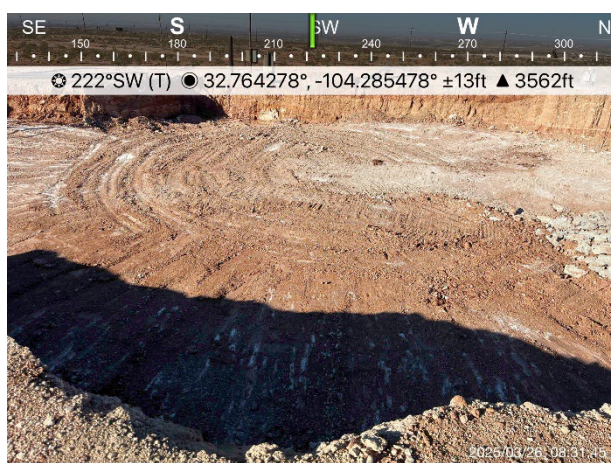


Figure 11. View of the Excavation.



Figure 12. View of the Excavation.



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Figure 13. Sample Point BS-13.

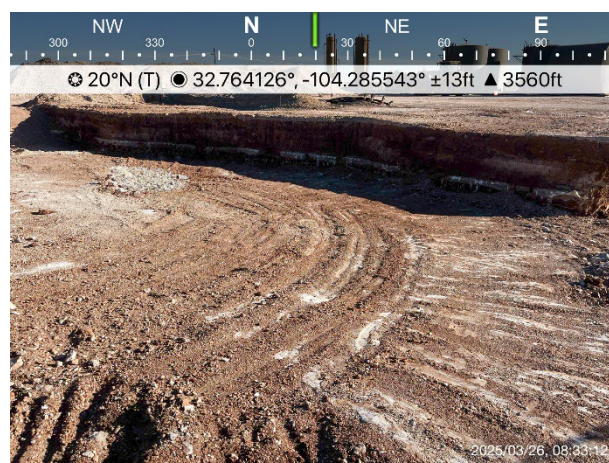


Figure 14. View of the Excavation.



Figure 15. View of the Excavation.



Figure 16. View of the Excavation.



Figure 17. Excavation Depth verification.

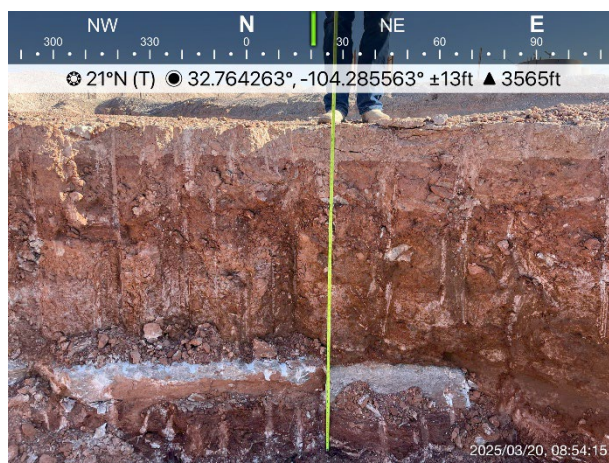


Figure 18. Excavation Depth verification.



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Figure 19. Sample Point BS-18.



Figure 20. Sample Point BS-03.

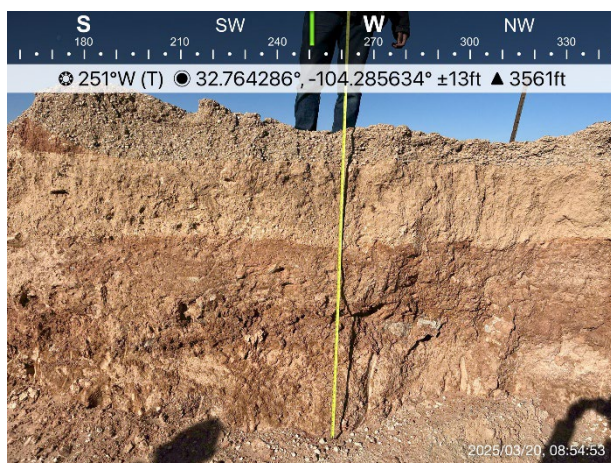


Figure 21. Excavation Depth Verification



Figure 22. Backfilled excavation.



Figure 23. Backfilled excavation.



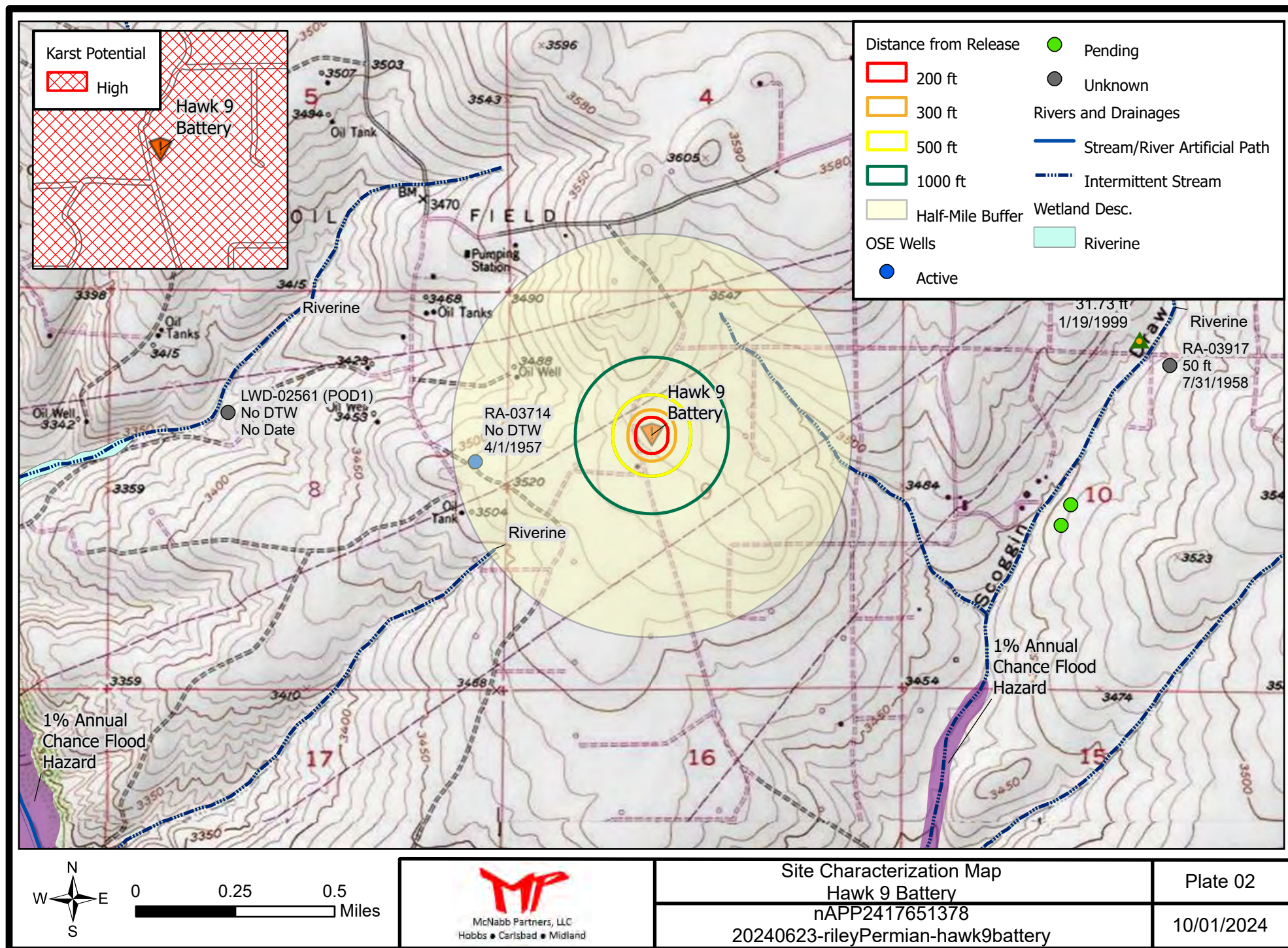
Figure 24. Backfilled excavation.

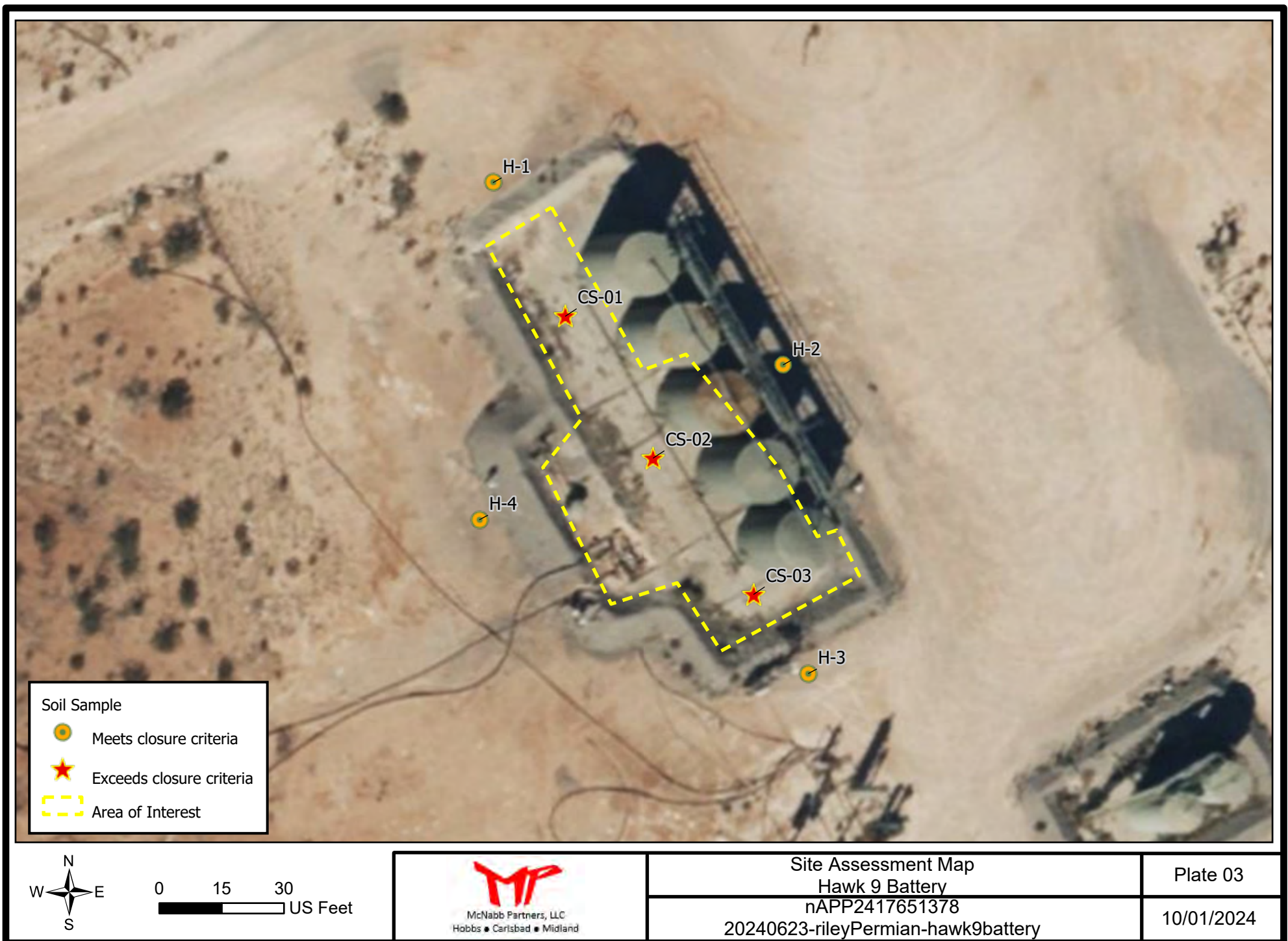
Plats

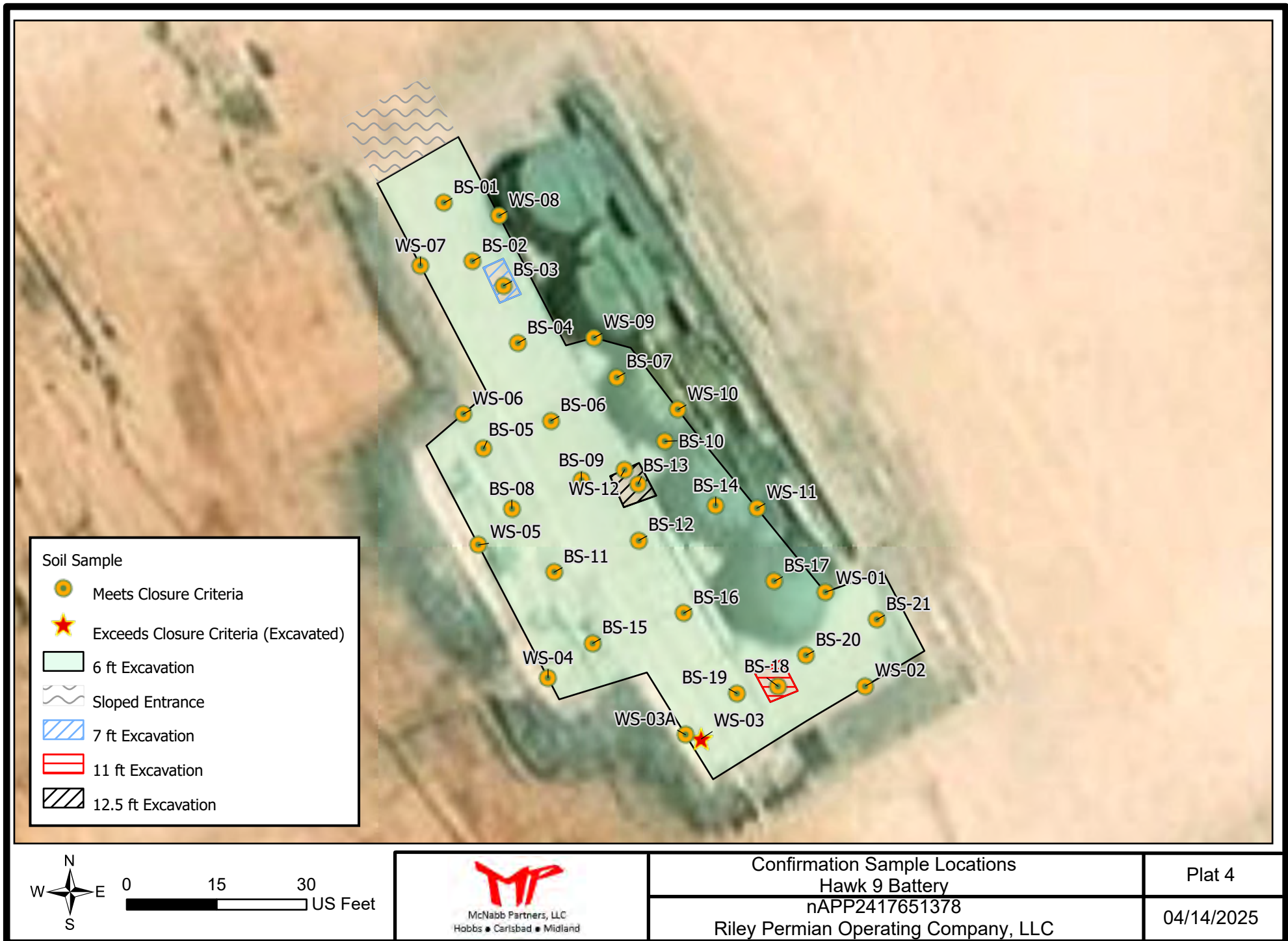


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Tables



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Table A. Initial Site Assessment Data
Hawk 9 Battery

Sample ID	Date	Depth (Feet)	Chloride (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO+DRO (mg/kg)	MRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)
NMOCD Closure Criteria			600	--	--	--	--	100	10	50
Lateral delineation sample points										
H-1	9/11/2024	0.5	224	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
H-1	9/11/2024	2	128	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
H-1	9/11/2024	4	96	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
H-2	9/11/2024	0.5	80	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
H-2	9/11/2024	2	256	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
H-2	9/11/2024	4	144	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
H-3	9/11/2024	0.5	160	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
H-3	9/11/2024	2	48	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
H-3	9/11/2024	4	16	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
H-4	9/11/2024	0.5	160	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
H-4	9/11/2024	2	144	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
H-4	9/11/2024	4	192	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
Vertical delineation sample points										
CS-01	9/11/2024	0.5	848	2600	8780	11380	1180	12560	8.43	210
CS-01	9/11/2024	2	3040	218	403	621	42.5	663.5	12.4	186
CS-01	9/11/2024	4	1020	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
CS-01	9/11/2024	5.5	1420	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
CS-01	9/11/2024	6.5	112	50.1	364	414.1	39.5	453.6	0.058	4.97
CS-01	9/11/2024	8	128	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
CS-02	9/11/2024	0.5	832	1540	4980	6520	639	7159	4.87	146
CS-02	9/11/2024	2	800	156	656	812	80.4	892.4	0.947	13.3
CS-02	9/11/2024	4	2680	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
CS-02	9/11/2024	6	976	19.6	1410	1429.6	251	1680.6	<0.050	<0.300
CS-02	9/11/2024	8	336	20.7	208	228.7	20.5	249.2	0.063	1.12
CS-02	9/11/2024	11	288	23.7	237	260.7	40.3	301	<0.050	2.63
CS-02	9/11/2024	17	272	<10.0	42	42	<10.0	42	<0.050	<0.300
CS-03	9/11/2024	0.5	608	2330	10400	12730	1780	14510	6.84	176
CS-03	9/11/2024	2	2040	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
CS-03	9/11/2024	4	6640	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
CS-03	9/11/2024	6.5	112	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
CS-03	9/11/2024	7.5	2200	59.3	108	167.3	<10.0	167.3	1.43	27
CS-03	9/11/2024	10	256	177	852	1029	139	1168	0.257	18.9
CS-03	9/11/2024	12	304	<10.0	74.1	74.1	<10.0	74.1	0.07	1.72
Sample exceeds NMOCD Closure Criteria										

Table B. Confirmation Samples Data

Hawk 9 Battery

Sample ID	Date	Depth (Feet)	Chloride (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO+DRO (mg/kg)	MRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)
NMOCD Closure Criteria			600	--	--	--	--	100	10	50
Excavation Base Confirmation Samples										
BS-01	3/12/2025	6	512	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
BS-02	3/12/2025	6	560	<10.0	25.9	25.9	<10.0	25.9	<0.050	<0.300
BS-03	3/12/2025	7	224	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
BS-04	3/12/2025	6	352	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
BS-05	3/12/2025	6	464	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
BS-06	3/12/2025	6	560	<10.0	13.9	13.9	<10.0	13.9	<0.050	<0.300
BS-07	3/12/2025	6	368	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
BS-08	3/12/2025	6	400	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
BS-09	3/12/2025	6	384	<10.0	14.6	14.6	<10.0	14.6	<0.050	<0.300
BS-10	3/12/2025	6	528	<10.0	12.7	12.7	<10.0	12.7	<0.050	<0.300
BS-11	3/12/2025	6	432	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
BS-12	3/12/2025	6	416	<10.0	25.4	25.4	<10.0	25.4	<0.050	<0.300
BS-13	3/12/2025	12	768	<10.0	35.5	35.5	11.3	46.8	<0.050	<0.300
BS-13	3/25/2025	12.5	352	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
BS-14	3/12/2025	6	320	<10.0	14.1	14.1	<10.0	14.1	<0.050	<0.300
BS-15	3/12/2025	6	368	<10.0	20.3	20.3	<10.0	20.3	<0.050	<0.300
BS-16	3/12/2025	6	256	<10.0	21.5	21.5	<10.0	21.5	<0.050	<0.300
BS-17	3/12/2025	6	384	<10.0	19.9	19.9	<10.0	19.9	<0.050	<0.300
BS-18	3/12/2025	11	592	<10.0	19.7	19.7	<10.0	19.7	<0.050	<0.300
BS-19	3/12/2025	6	272	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
BS-20	3/12/2025	6	368	<10.0	18.5	18.5	<10.0	18.5	<0.050	<0.300
BS-21	3/12/2025	6	352	<10.0	29.8	29.8	<10.0	29.8	<0.050	<0.300
Excavation Side Wall Confirmation Samples										
WS-01	3/12/2025	0-6	384	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
WS-02	3/12/2025	0-6	192	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
WS-03	3/12/2025	0-6	624	<10.0	17.0	17.0	<10.0	17.0	<0.050	<0.300
WS-03A	3/25/2025	0-6	400	<10.0	11.3	11.3	<10.0	11.3	<0.050	<0.300
WS-04	3/12/2025	0-6	576	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
WS-05	3/12/2025	0-6	304	<10.0	12.6	12.6	<10.0	12.6	<0.050	<0.300
WS-06	3/12/2025	0-6	384	<10.0	14.7	14.7	<10.0	14.7	<0.050	<0.300
WS-07	3/12/2025	0-6	592	<10.0	12.5	12.5	<10.0	12.5	<0.050	<0.300
WS-08	3/12/2025	0-6	352	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300

Table B. Confirmation Samples Data

Hawk 9 Battery

Sample ID	Date	Depth (Feet)	Chloride (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO+DRO (mg/kg)	MRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)
NMOCD Closure Criteria			600	--	--	--	--	100	10	50
WS-09	3/12/2025	0-6	208	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
WS-10	3/12/2025	0-6	416	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
WS-11	3/12/2025	0-6	544	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
WS-12	3/25/2025	6-12.5	416	<10.0	<10.0	<20.0	<10.0	<30.0	<0.050	<0.300
Legend:										
Sample exceeds NMOCD Closure Criteria										
Sample point has been excavated										

Appendix A

Communications



McNabb Partners, LLC
Hobbs • Carlsbad • Midland

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 440765

QUESTIONS

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 440765
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2417651378
Incident Name	NAPP2417651378 HAWK 9 BATTERY @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2214433781] HAWK 9 FEDERAL CTB

Location of Release Source	
Site Name	Hawk 9 Battery
Date Release Discovered	06/23/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	2,600
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/12/2025
Time sampling will commence	12:00 PM
Please provide any information necessary for observers to contact samplers	Please contact Dmitry at 917-497-6890 or dimitry@mcnabbpartners.com if necessary
Please provide any information necessary for navigation to sampling site	(32.7642231, -104.2855512)

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 440765

CONDITIONS

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 440765
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
dnikanorov24	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/10/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 444626

QUESTIONS

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 444626
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2417651378
Incident Name	NAPP2417651378 HAWK 9 BATTERY @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2214433781] HAWK 9 FEDERAL CTB

Location of Release Source	
Site Name	Hawk 9 Battery
Date Release Discovered	06/23/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/25/2025
Time sampling will commence	02:00 PM
Please provide any information necessary for observers to contact samplers	Contact Dmitry at 917-497-6890 or dimitry@mcnabbpartners.com
Please provide any information necessary for navigation to sampling site	32.764236, -104.285520

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 444626

CONDITIONS

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 444626
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
dnikanorov24	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/21/2025

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

Action 381427

QUESTIONS

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 381427
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2417651378
Incident Name	NAPP2417651378 HAWK 9 BATTERY @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2214433781] HAWK 9 FEDERAL CTB

Location of Release Source

Site Name	Hawk 9 Battery
Date Release Discovered	06/23/2024
Surface Owner	Federal

Sampling Event General Information*Please answer all the questions in this group.*

What is the sampling surface area in square feet	13,600
What is the estimated number of samples that will be gathered	7
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/11/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Dimitry at 917-497-6890 or dimitry@mcnabbpartners.com
Please provide any information necessary for navigation to sampling site	GPS coordinates of the sampling area: 32.764232, -104.285545

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 381427

CONDITIONS

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 381427
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
aparkernp	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/6/2024



Re: [EXTERNAL] nAPP2417651378 Hawk 9 Battery - Extension request and closure samples

From Dmitry Nikanorov <Dimitry@mcnabbpartners.com>
Date Wed 3/19/2025 8:04 AM
To Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>

Thank you so much. Yes, those inside side walls were incorporated as aliquotes of composites BS-03, BS-13 and BS-18.

Dimitry Nikanorov
Project Manager
McNabb Partners
c: (917) 497-6890



From: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Sent: Wednesday, March 19, 2025 7:41 AM
To: Dmitry Nikanorov <Dimitry@mcnabbpartners.com>
Subject: RE: [EXTERNAL] nAPP2417651378 Hawk 9 Battery - Extension request and closure samples

Good morning Dimitry,

The 30-day extension for nAPP2417651378 is approved. The new due date for this incident will be May 2, 2025.

Five-point composite samples representative of no more than 200 square feet must be collected from the base and the walls of the excavation regardless of depth. Additionally, per 19.15.29.12 D.(1) NMAC, individual grab samples from any wet or discolored areas must also be collected during confirmation/final sampling. If BS-03, BS-13 and BS-18 are smaller than 200 square feet that is fine, but the deeper walls (between the base at 6-feet and the deeper depths of BS-03, BS-13 and BS-18) should also be incorporated in order to ensure that the deeper contamination has been addressed not only vertically but horizontally as well. Were any of the wall samples around BS-03, BS-13 and BS-18 incorporated into those base samples?

If base samples, wall samples, individual grab samples from wet or discolored areas, and the deeper walls were incorporated into BS-03, BS-13 and BS-18, no additional samples will need to be collected.

Please include a copy of this email chain in the next submittal.

Thank you,
Brittany Hall • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under "2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS".

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Dmitry Nikanorov <Dimitry@mcnabbpartners.com>
Sent: Tuesday, March 18, 2025 4:14 PM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Subject: [EXTERNAL] nAPP2417651378 Hawk 9 Battery - Extension request and closure samples

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

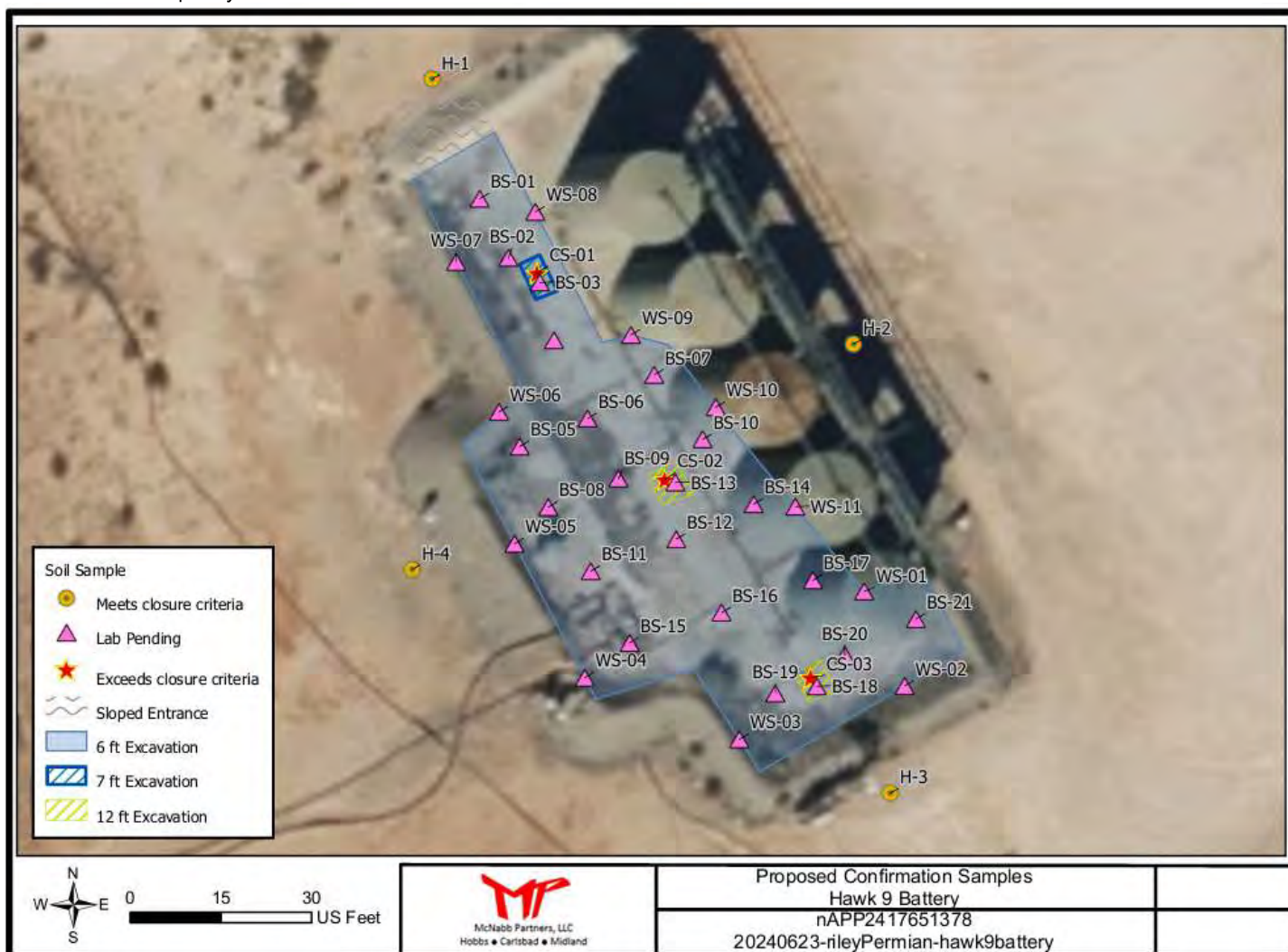
Hi Brittany,

I'd like to ask for a 30-day extension request on this incident. The current due date is 3/28/2025 and I'm actively working to get it closed out soon. Riley Permian decided not to wait for a pad expansion with BLM and moved the tanks away from the containment, so we started excavation once it was done.

As you know, we had a confirmation sampling event on this site last Wednesday. I do not have the lab results of that event just yet and if it exceeds closure criteria, we will excavate further. But I'd like to make sure if these samples should be enough for the closure or you request anything else.

Most of our confirmation samples are collected at average depth of 6 ft based on the field screenings. We excavated smaller areas around 3 grab sample points (CS-01, CS-02, CS-03) we'd sampled for deferral earlier in July 2024 at larger depth until they are fully delineated based on that data included in the deferral. Composites BS-03, BS-13 and BS-18 were collected from those smaller areas on Wednesday too.

Please see the map for your reference:



Could you please tell me if composites from the 6-ft excavation are enough for the closure or do we need to collect grab samples at depths more than 6 ft?

Thank you,

Dimitry Nikanorov
Project Manager
McNabb Partners
c: (917) 497-6890



Appendix B

Well Logs



McNabb Partners, LLC
Hobbs • Carlsbad • Midland

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(A) Owner of well Humble Oil & Refining
Street and Number Box 2347
City Hobbs State New Mexico
Well was drilled under Permit No. RA-3714 and is located in the
SE ¼ SE ¼ NE ¼ of Section 8 Twp. 18 S Rge. 27 E
(B) Drilling Contractor Abbott Bros. License No. WD-46
Street and Number Box 637
City Hobbs State New Mexico
Drilling was commenced March 28 19 1957
Drilling was completed April 1 19 57

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 381
State whether well is shallow or artesian Shallow Depth to water upon completion _____

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	325	350	25	Anhyd.
2				
3				
4				
5				

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
Street and Number _____ City _____ State _____
Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
Plugging method used _____ Date Plugged _____ 19 _____
Plugging approved by: _____ Cement Plugs were placed as follows:

Basin Supervisor

FOR USE OF STATE ENGINEER ONLY
Date Received APR 10 1957
OFFICE
GROUND WATER SURVEY
ROSWELL, NEW MEXICO

File No. RA-3714 Use 1.20.0. Location No. 18.27.8.244

No.	Depth of Plug		No. of Sacks Used
	From	To	

LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Marrell Art
Well Driller

Appendix C

Certificates of Analysis



McNabb Partners, LLC
Hobbs • Carlsbad • Midland



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

September 24, 2024

DIMITRY NIKANOROV

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: HAWK 9 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/17/24 9:26.

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 accredited 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)

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



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
H - 1 (0.5')	H245628-01	Soil	11-Sep-24 08:00	17-Sep-24 09:26
H - 1 (2')	H245628-02	Soil	11-Sep-24 08:05	17-Sep-24 09:26
H - 1 (4')	H245628-03	Soil	11-Sep-24 08:10	17-Sep-24 09:26
H - 2 (0.5')	H245628-04	Soil	11-Sep-24 08:15	17-Sep-24 09:26
H - 2 (2')	H245628-05	Soil	11-Sep-24 08:20	17-Sep-24 09:26
H - 2 (4')	H245628-06	Soil	11-Sep-24 08:25	17-Sep-24 09:26
H - 3 (0.5')	H245628-07	Soil	11-Sep-24 08:30	17-Sep-24 09:26
H - 3 (2')	H245628-08	Soil	11-Sep-24 08:35	17-Sep-24 09:26
H - 3 (4')	H245628-09	Soil	11-Sep-24 08:40	17-Sep-24 09:26
H - 4 (0.5')	H245628-10	Soil	11-Sep-24 08:45	17-Sep-24 09:26
H - 4 (2')	H245628-11	Soil	11-Sep-24 08:50	17-Sep-24 09:26
H - 4 (4')	H245628-12	Soil	11-Sep-24 08:55	17-Sep-24 09:26
CS - 01 (0.5')	H245628-13	Soil	11-Sep-24 09:00	17-Sep-24 09:26
CS - 01 (2')	H245628-14	Soil	11-Sep-24 09:05	17-Sep-24 09:26
CS - 01 (4')	H245628-15	Soil	11-Sep-24 09:10	17-Sep-24 09:26
CS - 01 (5.5')	H245628-16	Soil	11-Sep-24 09:15	17-Sep-24 09:26
CS - 01 (6.5')	H245628-17	Soil	11-Sep-24 09:20	17-Sep-24 09:26
CS - 01 (8')	H245628-18	Soil	11-Sep-24 09:25	17-Sep-24 09:26
CS - 02 (0.5')	H245628-19	Soil	11-Sep-24 09:30	17-Sep-24 09:26
CS - 02 (2')	H245628-20	Soil	11-Sep-24 09:35	17-Sep-24 09:26
CS - 02 (4')	H245628-22	Soil	11-Sep-24 09:45	17-Sep-24 09:26
CS - 02 (6')	H245628-23	Soil	11-Sep-24 09:50	17-Sep-24 09:26
CS - 02 (8')	H245628-24	Soil	11-Sep-24 09:55	17-Sep-24 09:26
CS - 03 (0.5')	H245628-25	Soil	11-Sep-24 10:00	17-Sep-24 09:26
CS - 03 (2')	H245628-26	Soil	11-Sep-24 10:05	17-Sep-24 09:26
CS - 03 (4')	H245628-27	Soil	11-Sep-24 10:10	17-Sep-24 09:26
CS - 03 (6.5')	H245628-28	Soil	11-Sep-24 10:15	17-Sep-24 09:26

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 03 (7.5')	H245628-29	Soil	11-Sep-24 10:20	17-Sep-24 09:26
CS - 03 (10')	H245628-30	Soil	11-Sep-24 10:25	17-Sep-24 09:26
CS - 03 (12')	H245628-31	Soil	11-Sep-24 10:30	17-Sep-24 09:26
CS - 02 (11')	H245628-35	Soil	11-Sep-24 10:50	17-Sep-24 09:26
CS - 02 (17')	H245628-37	Soil	11-Sep-24 11:00	17-Sep-24 09:26

09/24/24 - Client added analysis to samples -35 and -37 (see COC). This is the revised report and will replace the one sent on 09/20/24.

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

H - 1 (0.5')
H245628-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	224		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			93.9 %	71.5-134		4091719	JH	18-Sep-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091708	MS	17-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091708	MS	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091708	MS	17-Sep-24	8015B	
Surrogate: 1-Chlorooctane			87.5 %	48.2-134		4091708	MS	17-Sep-24	8015B	
Surrogate: 1-Chlorooctadecane			99.7 %	49.1-148		4091708	MS	17-Sep-24	8015B	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

H - 1 (2')
H245628-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091719	JH	18-Sep-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			93.7 %		71.5-134	4091719	JH	18-Sep-24	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091708	MS	17-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091708	MS	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091708	MS	17-Sep-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			88.1 %		48.2-134	4091708	MS	17-Sep-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.0 %		49.1-148	4091708	MS	17-Sep-24	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

H - 1 (4')
H245628-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091719	JH	18-Sep-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			94.8 %	71.5-134		4091719	JH	18-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.5 %	48.2-134		4091709	ms	17-Sep-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			91.4 %	49.1-148		4091709	ms	17-Sep-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

H - 2 (0.5')
H245628-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091719	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.8 %	71.5-134		4091719	JH	18-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	

Surrogate: 1-Chlorooctane			78.8 %	48.2-134		4091709	ms	17-Sep-24	8015B	
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Surrogate: 1-Chlorooctadecane			90.7 %	49.1-148		4091709	ms	17-Sep-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

H - 2 (2')
H245628-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	256		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091719	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091719	JH	18-Sep-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			94.4 %		71.5-134	4091719	JH	18-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			77.0 %		48.2-134	4091709	ms	17-Sep-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			87.5 %		49.1-148	4091709	ms	17-Sep-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

H - 2 (4')
H245628-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Toluene*	<0.050	0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	107 %	71.5-134	4091720	JH	18-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	

Surrogate: 1-Chlorooctane	75.7 %	48.2-134	4091709	ms	17-Sep-24	8015B	
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Surrogate: 1-Chlorooctadecane	86.7 %	49.1-148	4091709	ms	17-Sep-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

H - 3 (0.5')
H245628-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Toluene*	0.092		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134 4091720 JH 18-Sep-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	

Surrogate: 1-Chlorooctane 77.7 % 48.2-134 4091709 ms 17-Sep-24 8015B

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148 4091709 ms 17-Sep-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

H - 3 (2')
H245628-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4091720	JH	18-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	

Surrogate: 1-Chlorooctane			78.6 %	48.2-134		4091709	ms	17-Sep-24	8015B	
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Surrogate: 1-Chlorooctadecane			86.9 %	49.1-148		4091709	ms	17-Sep-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

H - 3 (4')
H245628-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		4091720	JH	18-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	

Surrogate: 1-Chlorooctane			70.5 %	48.2-134		4091709	ms	17-Sep-24	8015B	
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Surrogate: 1-Chlorooctadecane			78.9 %	49.1-148		4091709	ms	17-Sep-24	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

H - 4 (0.5')
H245628-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4091720	JH	18-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	

Surrogate: 1-Chlorooctane			72.4 %	48.2-134		4091709	ms	17-Sep-24	8015B	
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Surrogate: 1-Chlorooctadecane			81.9 %	49.1-148		4091709	ms	17-Sep-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

H - 4 (2')
H245628-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4091720	JH	18-Sep-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
Surrogate: 1-Chlorooctane			70.5 %	48.2-134		4091709	ms	17-Sep-24	8015B	
Surrogate: 1-Chlorooctadecane			80.8 %	49.1-148		4091709	ms	17-Sep-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

H - 4 (4')
H245628-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	192		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134 4091720 JH 18-Sep-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	

Surrogate: 1-Chlorooctane 72.2 % 48.2-134 4091709 ms 17-Sep-24 8015B

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148 4091709 ms 17-Sep-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 01 (0.5')**H245628-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	848		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	8.43		1.00	mg/kg	1000	4091720	JH	18-Sep-24	8021B	
Toluene*	58.8		1.00	mg/kg	1000	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	53.7		1.00	mg/kg	1000	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	88.7		3.00	mg/kg	1000	4091720	JH	18-Sep-24	8021B	
Total BTEX	210		6.00	mg/kg	1000	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134 4091720 JH 18-Sep-24 8021B

Petroleum Hydrocarbons by GC FID**S-06**

GRO C6-C10*	2600		50.0	mg/kg	5	4091709	ms	18-Sep-24	8015B	
DRO >C10-C28*	8780		50.0	mg/kg	5	4091709	ms	18-Sep-24	8015B	
EXT DRO >C28-C36	1180		50.0	mg/kg	5	4091709	ms	18-Sep-24	8015B	

Surrogate: 1-Chlorooctane 235 % 48.2-134 4091709 ms 18-Sep-24 8015B

Surrogate: 1-Chlorooctadecane 168 % 49.1-148 4091709 ms 18-Sep-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 01 (2')
H245628-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	3040		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	12.4		0.500	mg/kg	500	4091720	JH	18-Sep-24	8021B	
Toluene*	62.0		0.500	mg/kg	500	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	40.5		0.500	mg/kg	500	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	70.9		1.50	mg/kg	500	4091720	JH	18-Sep-24	8021B	
Total BTEX	186		3.00	mg/kg	500	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134 4091720 JH 18-Sep-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	218		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
DRO >C10-C28*	403		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
EXT DRO >C28-C36	42.5		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	

Surrogate: 1-Chlorooctane 88.0 % 48.2-134 4091709 ms 17-Sep-24 8015B

Surrogate: 1-Chlorooctadecane 104 % 49.1-148 4091709 ms 17-Sep-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 01 (4')
H245628-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1020		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Toluene*	<0.050	0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	106 %	71.5-134	4091720	JH	18-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	

Surrogate: 1-Chlorooctane	78.4 %	48.2-134	4091709	ms	17-Sep-24	8015B	
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Surrogate: 1-Chlorooctadecane	89.2 %	49.1-148	4091709	ms	17-Sep-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 01 (5.5')**H245628-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1420		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %		71.5-134	4091720	JH	18-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	

Surrogate: 1-Chlorooctane			56.5 %		48.2-134	4091709	ms	17-Sep-24	8015B	
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Surrogate: 1-Chlorooctadecane			63.8 %		49.1-148	4091709	ms	17-Sep-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 01 (6.5')**H245628-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	0.058		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Toluene*	0.561		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	1.48		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	2.87		0.150	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total BTEX	4.97		0.300	mg/kg	50	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	122 %		71.5-134			4091720	JH	18-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	50.1		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
DRO >C10-C28*	364		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
EXT DRO >C28-C36	39.5		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	

Surrogate: 1-Chlorooctane	79.6 %		48.2-134			4091709	ms	17-Sep-24	8015B	
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Surrogate: 1-Chlorooctadecane	86.9 %		49.1-148			4091709	ms	17-Sep-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 01 (8')
H245628-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		105 %		71.5-134		4091720	JH	18-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	

Surrogate: 1-Chlorooctane		76.1 %		48.2-134		4091709	ms	17-Sep-24	8015B	
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Surrogate: 1-Chlorooctadecane		84.3 %		49.1-148		4091709	ms	17-Sep-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 02 (0.5')**H245628-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	832		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	4.87		0.500	mg/kg	500	4091720	JH	18-Sep-24	8021B	
Toluene*	6.22		0.500	mg/kg	500	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	45.2		0.500	mg/kg	500	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	89.3		1.50	mg/kg	500	4091720	JH	18-Sep-24	8021B	
Total BTEX	146		3.00	mg/kg	500	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134 4091720 JH 18-Sep-24 8021B

Petroleum Hydrocarbons by GC FID**S-06**

GRO C6-C10*	1540		50.0	mg/kg	5	4091709	ms	18-Sep-24	8015B	
DRO >C10-C28*	4980		50.0	mg/kg	5	4091709	ms	18-Sep-24	8015B	
EXT DRO >C28-C36	639		50.0	mg/kg	5	4091709	ms	18-Sep-24	8015B	

Surrogate: 1-Chlorooctane 147 % 48.2-134 4091709 ms 18-Sep-24 8015B

Surrogate: 1-Chlorooctadecane 116 % 49.1-148 4091709 ms 18-Sep-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 02 (2')
H245628-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	800		16.0	mg/kg	4	4091818	HM	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	0.947		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Toluene*	0.318		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	8.19		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	3.89		0.150	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total BTEX	13.3		0.300	mg/kg	50	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 145 % 71.5-134 4091720 JH 18-Sep-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	156		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
DRO >C10-C28*	656		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	
EXT DRO >C28-C36	80.4		10.0	mg/kg	1	4091709	ms	17-Sep-24	8015B	

Surrogate: 1-Chlorooctane 76.0 % 48.2-134 4091709 ms 17-Sep-24 8015B

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148 4091709 ms 17-Sep-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 02 (4')
H245628-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	2680		16.0	mg/kg	4	4091815	AC	18-Sep-24	4500-Cl-B	QM-07
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	0.052		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134 4091720 JH 18-Sep-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091709	ms	18-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091709	ms	18-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091709	ms	18-Sep-24	8015B	

Surrogate: 1-Chlorooctane 63.7 % 48.2-134 4091709 ms 18-Sep-24 8015B

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148 4091709 ms 18-Sep-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 02 (6')
H245628-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	976		16.0	mg/kg	4	4091815	AC	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			115 %	71.5-134		4091720	JH	18-Sep-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	19.6		10.0	mg/kg	1	4091709	ms	18-Sep-24	8015B	
DRO >C10-C28*	1410		10.0	mg/kg	1	4091709	ms	18-Sep-24	8015B	
EXT DRO >C28-C36	251		10.0	mg/kg	1	4091709	ms	18-Sep-24	8015B	
Surrogate: 1-Chlorooctane			73.3 %	48.2-134		4091709	ms	18-Sep-24	8015B	
Surrogate: 1-Chlorooctadecane			84.8 %	49.1-148		4091709	ms	18-Sep-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 02 (8')
H245628-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	336		16.0	mg/kg	4	4091815	AC	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	0.063		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Toluene*	0.108		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	0.281		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	0.668		0.150	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total BTEX	1.12		0.300	mg/kg	50	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134 4091720 JH 18-Sep-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	20.7		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	
DRO >C10-C28*	208		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	QM-07
EXT DRO >C28-C36	20.5		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	

Surrogate: 1-Chlorooctane 89.5 % 48.2-134 4091710 MS 17-Sep-24 8015B

Surrogate: 1-Chlorooctadecane 110 % 49.1-148 4091710 MS 17-Sep-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 03 (0.5')**H245628-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	608		16.0	mg/kg	4	4091815	AC	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	6.84		0.500	mg/kg	500	4091720	JH	18-Sep-24	8021B	
Toluene*	50.1		0.500	mg/kg	500	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	38.2		0.500	mg/kg	500	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	80.5		1.50	mg/kg	500	4091720	JH	18-Sep-24	8021B	
Total BTEX	176		3.00	mg/kg	500	4091720	JH	18-Sep-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			123 %	71.5-134		4091720	JH	18-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID**S-06**

GRO C6-C10*	2330		50.0	mg/kg	5	4091710	MS	18-Sep-24	8015B	
DRO >C10-C28*	10400		50.0	mg/kg	5	4091710	MS	18-Sep-24	8015B	
EXT DRO >C28-C36	1780		50.0	mg/kg	5	4091710	MS	18-Sep-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			150 %	48.2-134		4091710	MS	18-Sep-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			216 %	49.1-148		4091710	MS	18-Sep-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 03 (2')
H245628-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	2040		16.0	mg/kg	4	4091815	AC	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091720	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091720	JH	18-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134 4091720 JH 18-Sep-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	

Surrogate: 1-Chlorooctane 88.6 % 48.2-134 4091710 MS 17-Sep-24 8015B

Surrogate: 1-Chlorooctadecane 106 % 49.1-148 4091710 MS 17-Sep-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 03 (4')
H245628-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	6640		16.0	mg/kg	4	4091815	AC	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			119 %	71.5-134		4091721	JH	18-Sep-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	
Surrogate: 1-Chlorooctane			86.2 %	48.2-134		4091710	MS	17-Sep-24	8015B	
Surrogate: 1-Chlorooctadecane			104 %	49.1-148		4091710	MS	17-Sep-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 03 (6.5')**H245628-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	4091815	AC	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		4091721	JH	18-Sep-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	
Surrogate: 1-Chlorooctane			88.3 %	48.2-134		4091710	MS	17-Sep-24	8015B	
Surrogate: 1-Chlorooctadecane			105 %	49.1-148		4091710	MS	17-Sep-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 03 (7.5')**H245628-29 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	2200		16.0	mg/kg	4	4091815	AC	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	1.43		0.050	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Toluene*	7.40		0.050	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Ethylbenzene*	5.62		0.050	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Total Xylenes*	12.6		0.150	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Total BTEX	27.0		0.300	mg/kg	50	4091721	JH	18-Sep-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.8 %		71.5-134	4091721	JH	18-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	59.3		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	
DRO >C10-C28*	108		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.5 %		48.2-134	4091710	MS	17-Sep-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			111 %		49.1-148	4091710	MS	17-Sep-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 03 (10')**H245628-30 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	256		16.0	mg/kg	4	4091815	AC	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	0.257		0.050	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Toluene*	4.01		0.050	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Ethylbenzene*	3.84		0.050	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Total Xylenes*	10.8		0.150	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Total BTEX	18.9		0.300	mg/kg	50	4091721	JH	18-Sep-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %	71.5-134		4091721	JH	18-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	177		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	
DRO >C10-C28*	852		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	
EXT DRO >C28-C36	139		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			98.2 %	48.2-134		4091710	MS	17-Sep-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			114 %	49.1-148		4091710	MS	17-Sep-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 03 (12')**H245628-31 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	304		16.0	mg/kg	4	4091815	AC	18-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	0.070		0.050	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Toluene*	0.303		0.050	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Ethylbenzene*	0.321		0.050	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Total Xylenes*	1.03		0.150	mg/kg	50	4091721	JH	18-Sep-24	8021B	
Total BTEX	1.72		0.300	mg/kg	50	4091721	JH	18-Sep-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			135 %		71.5-134	4091721	JH	18-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	
DRO >C10-C28*	74.1		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4091710	MS	17-Sep-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.9 %		48.2-134	4091710	MS	17-Sep-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			106 %		49.1-148	4091710	MS	17-Sep-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 02 (11')
H245628-35 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	288		16.0	mg/kg	4	4092307	HM	23-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4092026	JH	23-Sep-24	8021B	
Toluene*	0.103		0.050	mg/kg	50	4092026	JH	23-Sep-24	8021B	
Ethylbenzene*	0.974		0.050	mg/kg	50	4092026	JH	23-Sep-24	8021B	
Total Xylenes*	1.55		0.150	mg/kg	50	4092026	JH	23-Sep-24	8021B	
Total BTEX	2.63		0.300	mg/kg	50	4092026	JH	23-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			130 %	71.5-134		4092026	JH	23-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	23.7		10.0	mg/kg	1	4092027	MS	20-Sep-24	8015B	
DRO >C10-C28*	237		10.0	mg/kg	1	4092027	MS	20-Sep-24	8015B	
EXT DRO >C28-C36	40.3		10.0	mg/kg	1	4092027	MS	20-Sep-24	8015B	

Surrogate: 1-Chlorooctane			100 %	48.2-134		4092027	MS	20-Sep-24	8015B	
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Surrogate: 1-Chlorooctadecane			95.4 %	49.1-148		4092027	MS	20-Sep-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

CS - 02 (17')**H245628-37 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	272		16.0	mg/kg	4	4092307	HM	23-Sep-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4092026	JH	23-Sep-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4092026	JH	23-Sep-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4092026	JH	23-Sep-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4092026	JH	23-Sep-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4092026	JH	23-Sep-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		4092026	JH	23-Sep-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4092027	MS	20-Sep-24	8015B	
DRO >C10-C28*	42.0		10.0	mg/kg	1	4092027	MS	20-Sep-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4092027	MS	20-Sep-24	8015B	

Surrogate: 1-Chlorooctane			78.2 %	48.2-134		4092027	MS	20-Sep-24	8015B	
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Surrogate: 1-Chlorooctadecane			76.1 %	49.1-148		4092027	MS	20-Sep-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4091815 - 1:4 DI Water**Blank (4091815-BLK1)**

Prepared & Analyzed: 18-Sep-24

Chloride	ND	16.0	mg/kg
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LCS (4091815-BS1)

Prepared & Analyzed: 18-Sep-24

Chloride	448	16.0	mg/kg	400	112	80-120
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LCS Dup (4091815-BSD1)

Prepared & Analyzed: 18-Sep-24

Chloride	448	16.0	mg/kg	400	112	80-120	0.00	20
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Batch 4091818 - 1:4 DI Water**Blank (4091818-BLK1)**

Prepared & Analyzed: 18-Sep-24

Chloride	ND	16.0	mg/kg
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LCS (4091818-BS1)

Prepared & Analyzed: 18-Sep-24

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (4091818-BSD1)

Prepared & Analyzed: 18-Sep-24

Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20
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Batch 4092307 - 1:4 DI Water**Blank (4092307-BLK1)**

Prepared & Analyzed: 23-Sep-24

Chloride	ND	16.0	mg/kg
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LCS (4092307-BS1)

Prepared & Analyzed: 23-Sep-24

Chloride	416	16.0	mg/kg	400	104	80-120
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484Reported:
24-Sep-24 14:56**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4092307 - 1:4 DI Water**LCS Dup (4092307-BSD1)**

Prepared & Analyzed: 23-Sep-24

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4091719 - Volatiles**Blank (4091719-BLK1)**

Prepared: 17-Sep-24 Analyzed: 18-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		94.1	71.5-134			

LCS (4091719-BS1)

Prepared: 17-Sep-24 Analyzed: 18-Sep-24

Benzene	2.06	0.050	mg/kg	2.00		103	82.8-130			
Toluene	1.95	0.050	mg/kg	2.00		97.7	86-128			
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.6	85.9-128			
m,p-Xylene	3.97	0.100	mg/kg	4.00		99.3	89-129			
o-Xylene	1.94	0.050	mg/kg	2.00		96.8	86.1-125			
Total Xylenes	5.91	0.150	mg/kg	6.00		98.4	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0471		mg/kg	0.0500		94.1	71.5-134			

LCS Dup (4091719-BSD1)

Prepared: 17-Sep-24 Analyzed: 18-Sep-24

Benzene	2.06	0.050	mg/kg	2.00		103	82.8-130	0.0289	15.8	
Toluene	1.95	0.050	mg/kg	2.00		97.5	86-128	0.177	15.9	
Ethylbenzene	2.01	0.050	mg/kg	2.00		100	85.9-128	0.686	16	
m,p-Xylene	4.00	0.100	mg/kg	4.00		99.9	89-129	0.669	16.2	
o-Xylene	1.95	0.050	mg/kg	2.00		97.5	86.1-125	0.714	16.7	
Total Xylenes	5.95	0.150	mg/kg	6.00		99.1	88.2-128	0.684	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0463		mg/kg	0.0500		92.7	71.5-134			

Batch 4091720 - Volatiles**Blank (4091720-BLK1)**

Prepared: 17-Sep-24 Analyzed: 18-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							

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4091720 - Volatiles**Blank (4091720-BLK1)**

Prepared: 17-Sep-24 Analyzed: 18-Sep-24

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0545		mg/kg	0.0500		109	71.5-134			

LCS (4091720-BS1)

Prepared: 17-Sep-24 Analyzed: 18-Sep-24

Benzene	2.31	0.050	mg/kg	2.00		115	82.8-130			
Toluene	2.22	0.050	mg/kg	2.00		111	86-128			
Ethylbenzene	2.28	0.050	mg/kg	2.00		114	85.9-128			
m,p-Xylene	4.62	0.100	mg/kg	4.00		115	89-129			
o-Xylene	2.27	0.050	mg/kg	2.00		113	86.1-125			
Total Xylenes	6.88	0.150	mg/kg	6.00		115	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0512		mg/kg	0.0500		102	71.5-134			

LCS Dup (4091720-BS1)

Prepared: 17-Sep-24 Analyzed: 18-Sep-24

Benzene	2.20	0.050	mg/kg	2.00		110	82.8-130	4.86	15.8	
Toluene	2.03	0.050	mg/kg	2.00		101	86-128	8.95	15.9	
Ethylbenzene	2.05	0.050	mg/kg	2.00		102	85.9-128	10.8	16	
m,p-Xylene	4.11	0.100	mg/kg	4.00		103	89-129	11.6	16.2	
o-Xylene	2.03	0.050	mg/kg	2.00		102	86.1-125	10.7	16.7	
Total Xylenes	6.15	0.150	mg/kg	6.00		102	88.2-128	11.3	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0478		mg/kg	0.0500		95.6	71.5-134			

Batch 4091721 - Volatiles**Blank (4091721-BLK1)**

Prepared: 17-Sep-24 Analyzed: 18-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)	0.0602		mg/kg	0.0500		120	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4091721 - Volatiles**LCS (4091721-BS1)**

Prepared: 17-Sep-24 Analyzed: 20-Sep-24

Benzene	2.17	0.050	mg/kg	2.00		109	82.8-130			
Toluene	2.23	0.050	mg/kg	2.00		112	86-128			
Ethylbenzene	2.39	0.050	mg/kg	2.00		119	85.9-128			
m,p-Xylene	4.79	0.100	mg/kg	4.00		120	89-129			
o-Xylene	2.41	0.050	mg/kg	2.00		120	86.1-125			
Total Xylenes	7.20	0.150	mg/kg	6.00		120	88.2-128			

Surrogate: 4-Bromofluorobenzene (PID) 0.0542 mg/kg 0.0500 108 71.5-134

LCS Dup (4091721-BS1)

Prepared: 17-Sep-24 Analyzed: 18-Sep-24

Benzene	2.16	0.050	mg/kg	2.00		108	82.8-130	0.445	15.8	
Toluene	2.18	0.050	mg/kg	2.00		109	86-128	2.36	15.9	
Ethylbenzene	2.35	0.050	mg/kg	2.00		117	85.9-128	1.55	16	
m,p-Xylene	4.74	0.100	mg/kg	4.00		119	89-129	0.939	16.2	
o-Xylene	2.40	0.050	mg/kg	2.00		120	86.1-125	0.453	16.7	
Total Xylenes	7.14	0.150	mg/kg	6.00		119	88.2-128	0.776	16.3	

Surrogate: 4-Bromofluorobenzene (PID) 0.0517 mg/kg 0.0500 103 71.5-134

Batch 4092026 - Volatiles**Blank (4092026-BLK1)**

Prepared: 20-Sep-24 Analyzed: 23-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) 0.0508 mg/kg 0.0500 102 71.5-134

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4092026 - Volatiles**LCS (4092026-BS1)**

Prepared: 20-Sep-24 Analyzed: 23-Sep-24

Benzene	1.94	0.050	mg/kg	2.00		96.9	82.8-130		
Toluene	1.92	0.050	mg/kg	2.00		95.9	86-128		
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.4	85.9-128		
m,p-Xylene	3.99	0.100	mg/kg	4.00		99.8	89-129		
o-Xylene	1.96	0.050	mg/kg	2.00		97.8	86.1-125		
Total Xylenes	5.95	0.150	mg/kg	6.00		99.2	88.2-128		

Surrogate: 4-Bromofluorobenzene (PID)

0.0515

mg/kg

0.0500

103

71.5-134

LCS Dup (4092026-BSD1)

Prepared: 20-Sep-24 Analyzed: 23-Sep-24

Benzene	2.12	0.050	mg/kg	2.00		106	82.8-130	9.04	15.8
Toluene	2.09	0.050	mg/kg	2.00		104	86-128	8.44	15.9
Ethylbenzene	2.15	0.050	mg/kg	2.00		107	85.9-128	7.64	16
m,p-Xylene	4.31	0.100	mg/kg	4.00		108	89-129	7.63	16.2
o-Xylene	2.10	0.050	mg/kg	2.00		105	86.1-125	7.21	16.7
Total Xylenes	6.41	0.150	mg/kg	6.00		107	88.2-128	7.49	16.3

Surrogate: 4-Bromofluorobenzene (PID)

0.0501

mg/kg

0.0500

100

71.5-134

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4091708 - General Prep - Organics**Blank (4091708-BLK1)**

Prepared & Analyzed: 17-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	47.0		mg/kg	50.0		93.9	48.2-134			
Surrogate: 1-Chlorooctadecane	55.9		mg/kg	50.0		112	49.1-148			

LCS (4091708-BS1)

Prepared & Analyzed: 17-Sep-24

GRO C6-C10	222	10.0	mg/kg	200		111	66.4-123			
DRO >C10-C28	228	10.0	mg/kg	200		114	66.5-118			
Total TPH C6-C28	449	10.0	mg/kg	400		112	77.6-123			
Surrogate: 1-Chlorooctane	53.9		mg/kg	50.0		108	48.2-134			
Surrogate: 1-Chlorooctadecane	62.7		mg/kg	50.0		125	49.1-148			

LCS Dup (4091708-BS1)

Prepared & Analyzed: 17-Sep-24

GRO C6-C10	224	10.0	mg/kg	200		112	66.4-123	0.836	17.7	
DRO >C10-C28	229	10.0	mg/kg	200		115	66.5-118	0.745	21	
Total TPH C6-C28	453	10.0	mg/kg	400		113	77.6-123	0.790	18.5	
Surrogate: 1-Chlorooctane	53.1		mg/kg	50.0		106	48.2-134			
Surrogate: 1-Chlorooctadecane	60.6		mg/kg	50.0		121	49.1-148			

Batch 4091709 - General Prep - Organics**Blank (4091709-BLK1)**

Prepared & Analyzed: 17-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	41.5		mg/kg	50.0		82.9	48.2-134			
Surrogate: 1-Chlorooctadecane	50.5		mg/kg	50.0		101	49.1-148			

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Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4091709 - General Prep - Organics**LCS (4091709-BS1)**

Prepared & Analyzed: 17-Sep-24

GRO C6-C10	210	10.0	mg/kg	200		105	66.4-123			
DRO >C10-C28	202	10.0	mg/kg	200		101	66.5-118			
Total TPH C6-C28	412	10.0	mg/kg	400		103	77.6-123			
Surrogate: 1-Chlorooctane	47.5		mg/kg	50.0		95.1	48.2-134			
Surrogate: 1-Chlorooctadecane	55.0		mg/kg	50.0		110	49.1-148			

LCS Dup (4091709-BS1)

Prepared & Analyzed: 17-Sep-24

GRO C6-C10	209	10.0	mg/kg	200		105	66.4-123	0.192	17.7	
DRO >C10-C28	199	10.0	mg/kg	200		99.7	66.5-118	1.24	21	
Total TPH C6-C28	409	10.0	mg/kg	400		102	77.6-123	0.707	18.5	
Surrogate: 1-Chlorooctane	46.2		mg/kg	50.0		92.4	48.2-134			
Surrogate: 1-Chlorooctadecane	53.4		mg/kg	50.0		107	49.1-148			

Batch 4091710 - General Prep - Organics**Blank (4091710-BLK1)**

Prepared & Analyzed: 17-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	48.3		mg/kg	50.0		96.7	48.2-134			
Surrogate: 1-Chlorooctadecane	61.4		mg/kg	50.0		123	49.1-148			

LCS (4091710-BS1)

Prepared & Analyzed: 17-Sep-24

GRO C6-C10	221	10.0	mg/kg	200		111	66.4-123			
DRO >C10-C28	225	10.0	mg/kg	200		113	66.5-118			
Total TPH C6-C28	446	10.0	mg/kg	400		112	77.6-123			
Surrogate: 1-Chlorooctane	55.5		mg/kg	50.0		111	48.2-134			
Surrogate: 1-Chlorooctadecane	67.2		mg/kg	50.0		134	49.1-148			

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Analytical Results For:

MC NABB SERVICES
P. O. BOX 5753
HOBBS NM, 88240

Project: HAWK 9 BATTERY
Project Number: NONE GIVEN
Project Manager: DIMITRY NIKANOROV
Fax To: (575) 391-8484

Reported:
24-Sep-24 14:56

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4091710 - General Prep - Organics**LCS Dup (4091710-BSD1)**

Prepared & Analyzed: 17-Sep-24

GRO C6-C10	228	10.0	mg/kg	200		114	66.4-123	3.00	17.7	
DRO >C10-C28	229	10.0	mg/kg	200		115	66.5-118	1.81	21	
Total TPH C6-C28	457	10.0	mg/kg	400		114	77.6-123	2.40	18.5	
Surrogate: 1-Chlorooctane	55.4		mg/kg	50.0		111	48.2-134			
Surrogate: 1-Chlorooctadecane	66.2		mg/kg	50.0		132	49.1-148			

Batch 4092027 - General Prep - Organics**Blank (4092027-BLK1)**

Prepared & Analyzed: 20-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	53.7		mg/kg	50.0		107	48.2-134			
Surrogate: 1-Chlorooctadecane	52.6		mg/kg	50.0		105	49.1-148			

LCS (4092027-BS1)

Prepared & Analyzed: 20-Sep-24

GRO C6-C10	220	10.0	mg/kg	200		110	66.4-123			
DRO >C10-C28	218	10.0	mg/kg	200		109	66.5-118			
Total TPH C6-C28	438	10.0	mg/kg	400		110	77.6-123			
Surrogate: 1-Chlorooctane	60.1		mg/kg	50.0		120	48.2-134			
Surrogate: 1-Chlorooctadecane	57.3		mg/kg	50.0		115	49.1-148			

LCS Dup (4092027-BSD1)

Prepared & Analyzed: 20-Sep-24

GRO C6-C10	215	10.0	mg/kg	200		107	66.4-123	2.49	17.7	
DRO >C10-C28	214	10.0	mg/kg	200		107	66.5-118	2.01	21	
Total TPH C6-C28	429	10.0	mg/kg	400		107	77.6-123	2.25	18.5	
Surrogate: 1-Chlorooctane	57.6		mg/kg	50.0		115	48.2-134			
Surrogate: 1-Chlorooctadecane	54.3		mg/kg	50.0		109	49.1-148			

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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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: McNabb Partners										P.O. #:		BILL TO									
Project Manager: Dmitry Nikanorov										Company: McNabb Partners		ANALYSIS REQUEST									
Address: 5014 W Carlsbad Hwy										Attn:											
City: Hobbs										State: NM Zip: 88240											
Phone #: 917-497-6890										Fax #:											
Project #:										Project Owner: Riley Permian											
Project Location: Hawk 9 Battery										City:											
Project Location: Eddy Co. NM										State: Zip:											
Sampler Name: Dmitry Nikanorov										Phone #:											
FOR LAB USE ONLY										Fax #:											
Lab I.D. H45428										Sample I.D.											
Sample I.D.										(G)RAB OR (C)OMP											
										# CONTAINERS											
										GROUNDWATER											
										WASTEWATER											
										SOIL											
										OIL											
										SLUDGE											
										OTHER :											
										ACID/BASE:											
										ICE / COOL											
										OTHER :											
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H-1 (0.5')										9/11/24 8:00		TPH									
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H-1 (4')										9/11/24 8:10		BTEx									
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Released to Imaging: 6/24/2025 11:23:55 AM



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: McNabb Partners								BILL TO															
Project Manager: Dmitry Nikanorov				P.O.#:				ANALYSIS REQUEST															
Address: 5014 W Carlsbad Hwy				Company: McNabb Partners																			
City: Hobbs				Attn:																			
Phone #: 917-497-6890				State: NM																			
Fax #:				Zip: 88240																			
Project #:				Address:																			
Project Name: Hawk 9 Battery				City:																			
Project Location: Eddy Co, NM				State:																			
Sample Name: Dmitry Nikanorov				Phone #:																			
				Fax #:																			
<small>FOR LAB USE ONLY</small>																							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	SAMPLING	TPH	Chloride	BTEx									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :												ACID/BASE	ICE / COOL	OTHER :
#B45628 A1	CS-02	(4)	G 1	X						X		DATE	TIME	X	X	X							
A2	CS-02	(4')	G 1	X						X		9/11/24	9:40	X	X	X							
A3	CS-02	(6')	G 1	X						X		9/11/24	9:45	X	X	X							
A4	CS-02	(8')	G 1	X						X		9/11/24	9:50	X	X	X							
A5	CS-03	(0.5')	G 1	X						X		9/11/24	9:55	X	X	X							
A6	CS-03	(2)	G 1	X						X		9/11/24	10:00	X	X	X							
A7	CS-03	(4)	G 1	X						X		9/11/24	10:05	X	X	X							
A8	CS-03	(6.5')	G 1	X						X		9/11/24	10:10	X	X	X							
A9	CS-03	(7.5')	G 1	X						X		9/11/24	10:15	X	X	X							
A10	CS-03	(10')	G 1	X						X		9/11/24	10:20	X	X	X							

PLEASE NOTE: Lability and Damages. Cardinal's liability and directly actions remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the service. 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 analysis or successive testing suit or related to the performance of services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature]		Date: 9-17-24	Received By: [Signature]
Time:		Time:	Time:
Remarks:			

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp.: °C Corrected Temp. °C	Sample Condition Cool Intact Yes No	CHECKED BY: [Signature] (Initials)	Turnaround Time:	Standard Method X	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	

+ Cardinal cannot accept verbal changes. Please email changes to: calvin.lemon@cardinal-lab.com



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 27, 2025

DIMITRY NIKANOROV

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: HAWK 9 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/25/25 15:55.

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/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/27/2025	Sampling Type:	Soil
Project Name:	HAWK 9 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	RILEY PERMIAN - EDDY CO., NM		

Sample ID: WS - 12 6-12.5' (H251746-01)

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	03/26/2025	ND	1.93	96.4	2.00	1.77	
Toluene*	<0.050	0.050	03/26/2025	ND	2.18	109	2.00	0.742	
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.44	122	2.00	0.550	
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.34	122	6.00	0.919	
Total BTEX	<0.300	0.300	03/26/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/27/2025	ND	416	104	400	7.41	

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	03/26/2025	ND	199	99.7	200	2.87	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	203	101	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 83.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.2 % 40.6-153

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, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/27/2025	Sampling Type:	Soil
Project Name:	HAWK 9 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	RILEY PERMIAN - EDDY CO., NM		

Sample ID: WS - 03A 0-6' (H251746-02)

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	03/26/2025	ND	1.93	96.4	2.00	1.77		
Toluene*	<0.050	0.050	03/26/2025	ND	2.18	109	2.00	0.742		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.44	122	2.00	0.550		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.34	122	6.00	0.919		
Total BTEx	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	03/27/2025	ND	416	104	400	7.41		

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	03/26/2025	ND	199	99.7	200	2.87	
DRO >C10-C28*	11.3	10.0	03/26/2025	ND	203	101	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/27/2025	Sampling Type:	Soil
Project Name:	HAWK 9 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	RILEY PERMIAN - EDDY CO., NM		

Sample ID: BS - 13 12.5' (H251746-03)

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	03/26/2025	ND	1.93	96.4	2.00	1.77		
Toluene*	<0.050	0.050	03/26/2025	ND	2.18	109	2.00	0.742		
Ethylbenzene*	<0.050	0.050	03/26/2025	ND	2.44	122	2.00	0.550		
Total Xylenes*	<0.150	0.150	03/26/2025	ND	7.34	122	6.00	0.919		
Total BTEX	<0.300	0.300	03/26/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	03/27/2025	ND	416	104	400	7.41		

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	03/26/2025	ND	199	99.7	200	2.87	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	203	101	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 69.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.9 % 40.6-153

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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.
- 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

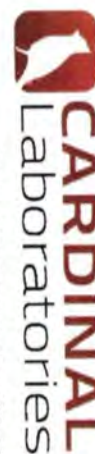
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A handwritten signature in black ink, appearing to read "Caley D. Keene".

Caley D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 21, 2025

DIMITRY NIKANOROV

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: HAWK 9 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/17/25 9:43.

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/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 01 6' (H251540-01)

BTX 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	03/18/2025	ND	2.15	107	2.00	3.28	
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73	
Total BTX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	03/17/2025	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	03/18/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 98.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 02 6' (H251540-02)

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	03/18/2025	ND	2.15	107	2.00	3.28		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	03/17/2025	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	03/18/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	25.9	10.0	03/18/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 03 7' (H251540-03)

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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6	QM-07	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	03/17/2025	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	03/18/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 97.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 04 6' (H251540-04)

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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	03/17/2025	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	03/18/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 05 6' (H251540-05)

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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	03/17/2025	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	03/18/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 92.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 06 6' (H251540-06)

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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	03/17/2025	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	03/18/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	13.9	10.0	03/18/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 07 6' (H251540-07)

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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	03/18/2025	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	03/18/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
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 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 08 6' (H251540-08)

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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	03/18/2025	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	03/18/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
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 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 09 6' (H251540-09)

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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	14.6	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 73.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 10 6' (H251540-10)

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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	12.7	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.6 % 40.6-153

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Analytical Results For:

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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 11 6' (H251540-11)

BTX 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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 78.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.1 % 40.6-153

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Analytical Results For:

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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 12 6' (H251540-12)

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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	25.4	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 13 12' (H251540-13)

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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	35.5	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	11.3	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 77.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 14 6' (H251540-14)

BTX 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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	14.1	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 80.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 15 6' (H251540-15)

BTX 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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	20.3	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 79.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 16 6' (H251540-16)

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	03/18/2025	ND	1.95	97.7	2.00	0.595	
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5	
Total BTEX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	21.5	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.2 % 40.6-153

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Analytical Results For:

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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 17 6' (H251540-17)

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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	19.9	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.8 % 40.6-153

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Analytical Results For:

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Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 18 11' (H251540-18)

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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	19.7	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 79.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.2 % 40.6-153

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Analytical Results For:

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Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 19 6' (H251540-19)

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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 72.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.4 % 40.6-153

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Analytical Results For:

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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 20 6' (H251540-20)

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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	18.5	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 66.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.3 % 40.6-153

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Analytical Results For:

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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BS - 21 6' (H251540-21)

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	03/18/2025	ND	1.95	97.7	2.00	0.595	
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5	
Total BTEX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	29.8	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.6 % 40.6-153

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Analytical Results For:

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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS - 01 0-6' (H251540-22)

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	03/18/2025	ND	1.95	97.7	2.00	0.595		
Toluene*	<0.050	0.050	03/18/2025	ND	2.08	104	2.00	6.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	112	2.00	11.6		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.77	113	6.00	12.5		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 85.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS - 02 0-6' (H251540-23)

BTX 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	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.6 % 40.6-153

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Analytical Results For:

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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS - 03 0-6' (H251540-24)

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	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	17.0	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 77.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS - 04 0-6' (H251540-25)

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	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 80.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
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 P. O. BOX 5753
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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS - 05 0-6' (H251540-26)

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	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	03/18/2025	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	12.6	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 80.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.0 % 40.6-153

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Analytical Results For:

MC NABB SERVICES
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Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS - 06 0-6' (H251540-27)

BTX 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	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	03/18/2025	ND	448	112	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	14.7	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 84.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS - 07 0-6' (H251540-28)

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	03/18/2025	ND	2.03	102	2.00	6.13	
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55	
Total BTEX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	03/18/2025	ND	448	112	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	03/17/2025	ND	203	102	200	1.25	
DRO >C10-C28*	12.5	10.0	03/17/2025	ND	192	96.1	200	2.03	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 81.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.9 % 40.6-153

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Analytical Results For:

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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS - 08 0-6' (H251540-29)

BTX 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	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	03/18/2025	ND	448	112	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	03/17/2025	ND	196	98.2	200	0.980	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	190	94.9	200	5.45	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.1 % 40.6-153

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Analytical Results For:

MC NABB SERVICES
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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS - 09 0-6' (H251540-30)

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	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/18/2025	ND	448	112	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	03/17/2025	ND	196	98.2	200	0.980	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	190	94.9	200	5.45	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 83.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
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 P. O. BOX 5753
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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS - 10 0-6' (H251540-31)

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	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	03/18/2025	ND	448	112	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	03/17/2025	ND	196	98.2	200	0.980	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	190	94.9	200	5.45	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
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 Fax To: (575) 391-8484

Received: 03/17/2025
 Reported: 03/21/2025
 Project Name: HAWK 9 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WS - 11 0-6' (H251540-32)

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	03/18/2025	ND	2.03	102	2.00	6.13		
Toluene*	<0.050	0.050	03/18/2025	ND	2.07	104	2.00	3.81		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.06	103	2.00	2.44		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.38	106	6.00	2.55		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	03/18/2025	ND	448	112	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	03/17/2025	ND	196	98.2	200	0.980	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	190	94.9	200	5.45	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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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.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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McNabb Partners

† Cardinal cannot accept verbal changes. Please email changes to ceicy.vee@ccat.cuhsd.k12.ca.us



McNabb Partners

[illegible]3.17.25

**BILL TO**

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 454063

QUESTIONS

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 454063
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2417651378
Incident Name	NAPP2417651378 HAWK 9 BATTERY @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2214433781] HAWK 9 FEDERAL CTB

Location of Release Source	
Please answer all the questions in this group.	
Site Name	HAWK 9 BATTERY
Date Release Discovered	06/23/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Corrosion Production Tank Crude Oil Released: 45 BBL Recovered: 45 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Production Tank Produced Water Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Corrosion Production Tank Condensate Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 454063

QUESTIONS (continued)

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
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QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Consultant Email: andrew@mcnabbpartners.com Date: 07/25/2024
--	---

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QUESTIONS, Page 3

Action 454063

QUESTIONS (continued)

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 454063
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (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 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>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.</i>	
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)	6640
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	14510
GRO+DRO (EPA SW-846 Method 8015M)	12730
BTEX (EPA SW-846 Method 8021B or 8260B)	210
Benzene (EPA SW-846 Method 8021B or 8260B)	12.4

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	03/07/2025
On what date will (or did) the final sampling or liner inspection occur	03/25/2025
On what date will (or was) the remediation complete(d)	04/01/2025
What is the estimated surface area (in square feet) that will be reclaimed	3577
What is the estimated volume (in cubic yards) that will be reclaimed	1102
What is the estimated surface area (in square feet) that will be remediated	3577
What is the estimated volume (in cubic yards) that will be remediated	1102

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 454063

QUESTIONS (continued)

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 454063
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>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>	
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: Dmitry Nikanorov Email: dimitry@mcnabbpartners.com Date: 04/22/2025
<i>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.</i>	

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QUESTIONS, Page 5

Action 454063

QUESTIONS (continued)

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 454063
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 454063

QUESTIONS (continued)

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	444626
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/25/2025
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	400

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	3577
What was the total volume (cubic yards) remediated	1102
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	3577
What was the total volume (in cubic yards) reclaimed	1102
Summarize any additional remediation activities not included by answers (above)	Dig and haul disposal

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Dmitry Nikanorov Email: dimitry@mcnabbpartners.com Date: 04/22/2025
--	---

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QUESTIONS, Page 7

Action 454063

QUESTIONS (continued)

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	Action Number: 454063
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 454063

CONDITIONS

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 454063
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The remediation closure is approved.	6/24/2025
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the 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; and a revegetation plan.	6/24/2025
michael.buchanan	A reclamation report will not be accepted until reclamation 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.	6/24/2025
michael.buchanan	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.	6/24/2025
michael.buchanan	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.	6/24/2025