



SITE INFORMATION

Closure Report
Patrick API Battery
Incident # NAPP2223551130
Eddy County, New Mexico
Unit D Sec 10 T19S R25E
32.681058°, -104.479395°

Crude Oil
Point of Release: Tank Bottom
Release Date: 08.22.22
Volume Released: 88 Barrels of Crude Oil
Volume Recovered: 3 Barrels of Crude Oil

CARMONA RESOURCES



Prepared for:
Silverback Operating II, LLC
19707 West IH 10, Suite 201
San Antonio, Texas 78257

Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 500
Midland, Texas 79701



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April 19, 2024

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

**Re: Closure Report
Patrick API Battery
Silverback Operating II, LLC
Incident # NAPP2223551130
Site Location: Unit D, S10, T19S, R25E
(Lat 32.681058°, Long -104.479395°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Silverback Operating II, LLC (Silverback Exploration), Carmona Resources, LLC has prepared this letter to document site activities for the Patrick API Battery. The site is located at 32.681058°, -104.479395° within Unit D, S10, T19S, R25E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on August 22, 2022, after a down stem line inside the oil tank broke and damaged a sump line that resulted in leak at the bottom of the tank. It resulted in the release of eighty-eight (88) barrels of crude oil, and three (3) barrels were recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, two known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.23 miles Northwest of the site in S10, T19S, R25E and was drilled in 1994. The well has a reported depth to groundwater of 194.24' below ground surface (ft bgs). The second identified well is located approximately 0.24 miles West of the site in S10, T19S, R25E and was drilled in 1967. The well has a reported depth to groundwater of 260' bgs. A copy of the associated Point of Diversion Summary report is attached in Appendix D.

On December 7, 2022, Scarborough Drilling, Inc was onsite to drill a groundwater determination bore to 55' below ground surface and within a 0.50-mile radius of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 55' below the surface. The coordinates for the groundwater determination bore are 32.681064°, -104.478910°. See Appendix D for the log.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).

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- TPH: 1,000 mg/kg (GRO + DRO)
- Chloride: 10,000 mg/kg.

4.0 Site Assessment Activities

Initial Assessment

On September 16, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1 through S-3) and four (4) horizontal samples (H-1 through H-5) were advanced to depths ranging from the surface to 4' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the borehole locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Envirotech in Farmington, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1.

Trenching

On October 17, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of two (2) test trenches (T-1 and T-2) were advanced to depths ranging from the surface to 10' bgs inside and surrounding the release area to evaluate the vertical extent of the areas of S-2 and S-3, respectively. See Figure 3 for the test trench locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Envirotech in Farmington, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1.

Drilling

On December 7, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) boreholes (BH-1 through BH-3) were advanced to depths ranging from the surface to 15' bgs inside and surrounding the release area to evaluate the vertical extent of S-1, S-2/T-1, and S-3/T-2, respectively. See Figure 3 for the borehole locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Envirotech in Farmington, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1.

5.0 Approved Work Plan

The remediation plan was approved by the NMOCD on February 28, 2024, with the following conditions:

- The areas of S-1/BH-1, S-2/T-1/BH-2, and S-3/T-2/BH-3 will be excavated and floor confirmation samples to meet closure criteria standards to reflect groundwater >50' bgs for all constituents listed in Table 1 of 19.15.29.12 NMAC.
- Confirmation sidewall samples to not exceed 600 mg/kg for chloride and 100 mg/kg for TPH to define the edge of the release.

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- Five-point composite bottom floor hole and sidewall samples will be collected every 400 square feet to represent the release area.

6.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via web portal on March 18, 2024, and March 26, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1/BH-1 was excavated to a depth of 6.0' bgs. The areas of S-2/T-1/BH-2 and S-3/T-2/BH-3 were excavated to a depth of 17.0' bgs. A total of nine (9) confirmation floor samples (CS-1 through CS-9) and twelve (12) sidewall samples (SW-1 through SW-12) were collected every 400 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA Method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

The areas of SW-4, SW-5, SW-10, and SW-11 exceeded reclamation and regulatory requirements for TPH and BTEX. Those areas were immediately excavated, removed, and retested.

All final confirmation samples were below the reclamation and regulatory requirements for TPH, BTEX, and chloride. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 3,040 square feet and 1,740 cubic yards of material were excavated and transported offsite for proper disposal.

7.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and Silverback formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

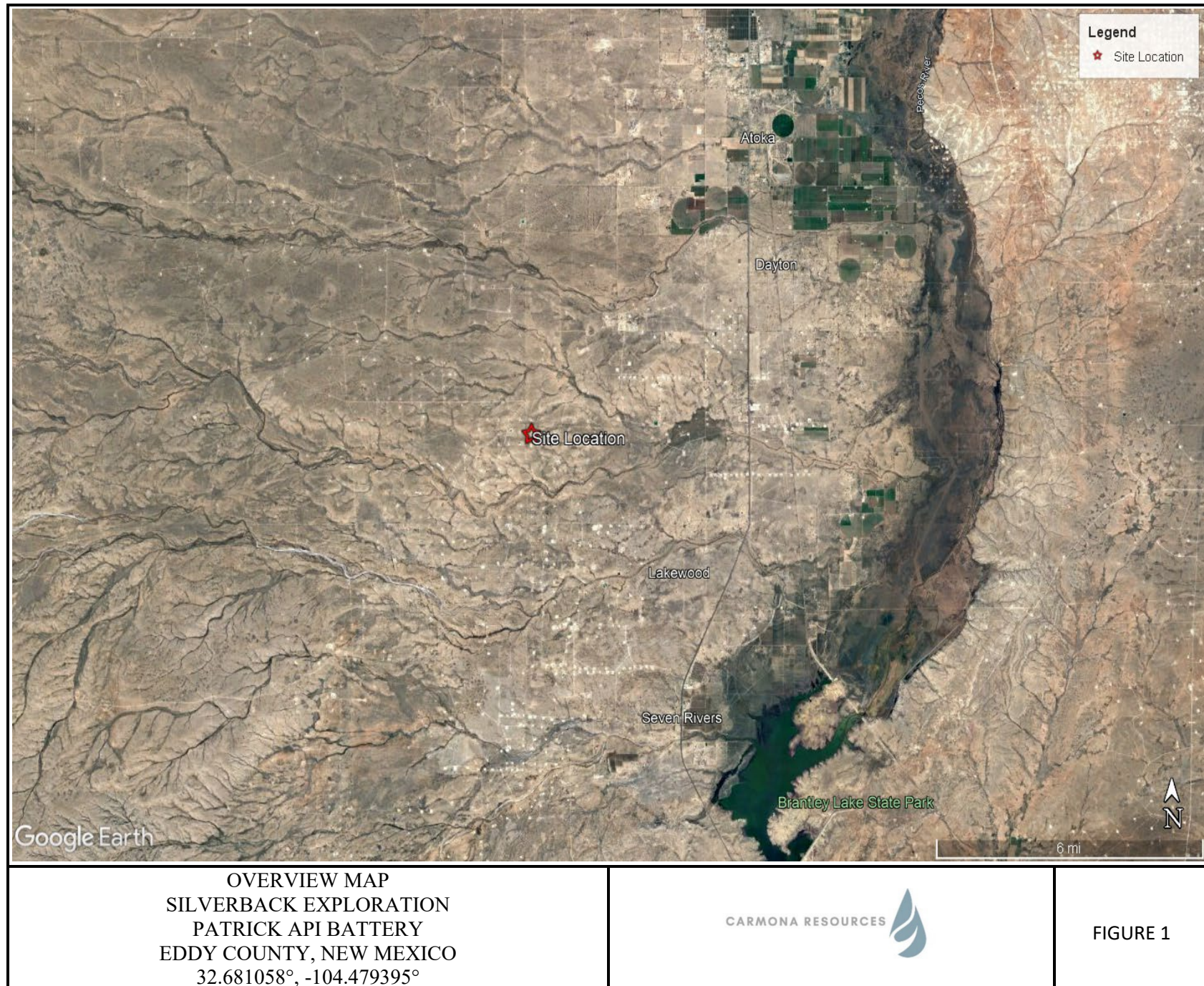
Clinton Merritt
Sr. Project Manager

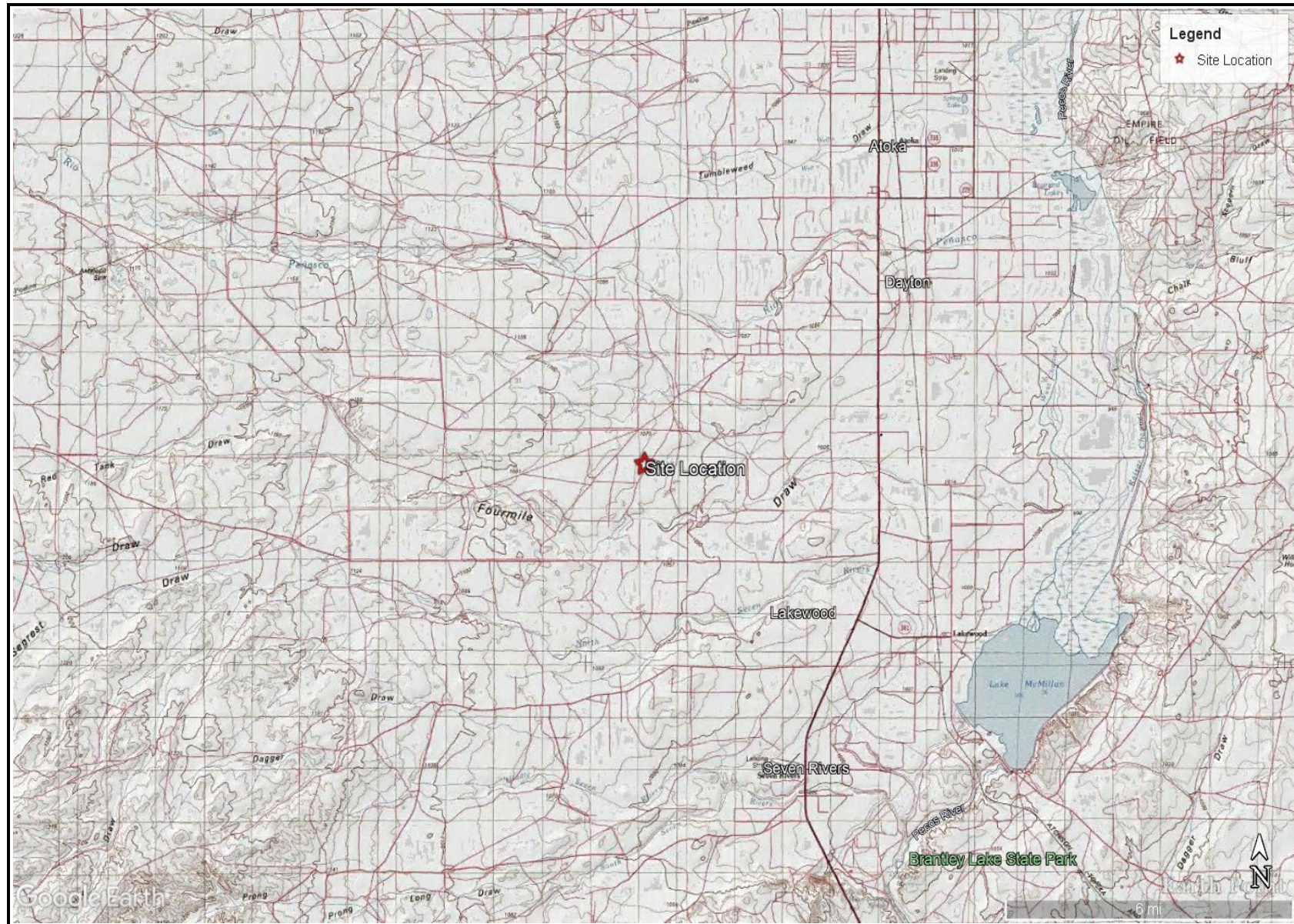
Ashton Thielke
Sr. Project Manager

FIGURES

CARMONA RESOURCES







TOPOGRAPHIC MAP
SILVERBACK EXPLORATION
PATRICK API BATTERY
EDDY COUNTY, NEW MEXICO
32.681058°, -104.479395°



FIGURE 2







APPENDIX A

CARMONA RESOURCES



Table 1
Silverback Exploration
Patrick API Battery
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	9/16/2022	0-1	ND	196	95.8	292	ND	ND	ND	ND	ND	ND
	"	1.5	ND	28.0	ND	28.0	ND	ND	ND	ND	ND	ND
	"	2.0	ND	182	66.8	249	ND	ND	ND	ND	ND	ND
	"	2.5	ND	68.9	72.8	142	ND	ND	ND	ND	ND	ND
	"	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.0
BH-1	"	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.4
	12/7/2022	0-1	115	22,700	9,690	32,505	0.568	1.78	0.991	7.03	10.369	ND
	"	2-3	ND	408	184	592	0.0425	0.240	0.181	0.120	0.5835	22.1
	"	4-5	ND	78.7	ND	78.7	0.0252	0.0569	0.0874	0.0436	0.2131	ND
S-2	"	6-7	ND	33.3	ND	33.3	ND	0.0424	ND	ND	0.0424	43.8
	9/16/2022	0-1	185	6,000	1,650	7,835	0.189	1.86	2.39	5.79	10.2	ND
	"	1.5	1,430	10,100	2,950	14,480	67.4	163	76.3	30.4	337	ND
	"	2.0	1,460	11,300	3,350	16,110	89.9	184	78.9	29.8	383	ND
	"	2.5	1,480	9,820	2,850	14,150	91.9	181	76.6	28.7	378	ND
	"	3.0	1,640	8,920	2,670	13,230	100	198	85.1	31.8	198	ND
T-1	"	3.5	1,680	11,300	3,170	16,150	128	214	82.5	30.2	455	ND
	"	4.0	2,410	12,900	3,940	19,250	139	257	110	39.6	546	ND
	10/17/2022	0-1	69.7	8,100	ND	8,169	0.335	0.470	0.527	1.66	2.99	ND
	"	1.5	205	8,440	ND	8,645	1.02	ND	1.20	17.8	20.0	ND
	"	2.0	1,330	9,950	ND	11,280	35.2	76.5	150	109	371	ND
	"	3.0	1,710	9,790	2,830	14,330	76.6	89.8	197	120	483	ND
	"	4.0	1,210	12,800	3,490	17,500	94.6	68.7	186	90.1	439	ND
	"	5.0	913	4,850	ND	5,763	35.7	48.7	106	73.8	264	ND
	"	6.0	952	5,890	ND	6,842	34.3	57.9	114	78.4	285	ND
BH-2	"	7.0	716	6,190	ND	6,906	26.5	47.8	91.1	63.3	229	ND
	"	8.0	1,010	4,410	ND	5,420	39.8	61.0	119	80.1	300	ND
	"	9.0	1,010	5,940	ND	6,950	41.0	59.6	119	79.8	299	ND
	"	10.0	749	10,800	ND	11,549	23.8	50.8	98.4	67.5	241	ND
	12/7/2022	0-1	87.3	24,300	10,600	34,900	0.625	1.50	0.613	6.73	9.468	ND
	"	2-3	ND	926	581	1,507	0.0744	0.162	0.0442	ND	0.2806	29.0
	"	4-5	1,190	16,100	4,440	21,730	78.8	174	73.2	94.5	421	ND
	"	6-7	1,030	8,540	2,210	11,780	47.6	117	54.7	73.1	292	ND
	"	8-9	650	4,640	1,260	6,550	25.0	70.4	35.2	47.5	178	ND
BH-2	"	10	429	4,450	1,210	6,089	4.38	34.8	24.2	35.00	98.4	20.0
	"	12-13	400	4,670	1,320	6,390	1.57	21.3	19.2	30.4	72.5	28.3
	"	14-15	85.0	18,100	8,260	26,445	1.21	4.13	1.91	6.71	14.0	ND
	"	20	ND	37.0	ND	37.0	ND	0.0703	0.0608	ND	0.1311	26.0
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(T) Test Trench

(BH) Borehole

(ND) Non Detect

Removed

Table 1
Silverback Exploration
Patrick API Battery
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-3	9/16/2022	0-1	339	11,900	4,560	16,799	0.508	2.45	1.84	16.9	21.7	ND
	"	1.5	601	7,980	3,420	12,001	2.60	8.39	2.20	24.6	37.8	ND
	"	2.0	1,450	8,010	3,310	12,770	104	151	79.0	29.7	364	ND
	"	2.5	1,470	5,280	2,390	9,140	94.6	188	81.5	30.9	395	ND
	"	3.0	1,050	8,630	3,600	13,280	81.4	143	54.2	19.6	298	ND
	"	3.5	1,140	8,050	2,030	11,220	87.6	158	60.5	22.1	328	ND
	"	4.0	975	6,190	1,580	8,745	92.2	144	51.1	18.6	306	ND
T-2	10/17/2022	0-1	141	13,600	5,080	18,821	5.45	1.66	4.34	4.63	16.1	ND
	"	1.5	267	5,890	ND	6,157	5.05	4.39	11.1	16.3	36.8	ND
	"	2.0	399	5,960	ND	6,359	17.1	22.1	47.6	35.8	123	ND
	"	3.0	1,340	10,900	2,630	14,870	61.9	85.8	188	109	445	ND
	"	4.0	1,180	12,400	3,090	16,670	68.1	83.1	193	104	448	ND
	"	5.0	1,420	16,500	4,610	22,530	111	87.1	228	107	533	ND
	"	6.0	1,330	7,440	ND	8,770	62.7	86.5	188	111	448	ND
	"	7.0	1,110	8,720	ND	9,830	61.7	73.4	171	91.4	398	ND
	"	8.0	1,020	5,610	ND	6,630	45.5	66.5	142	84.5	339	ND
	"	9.0	21.6	101	ND	122	0.0575	0.53	0.254	1.13	1.97	ND
BH-3	12/7/2022	0-1	86.4	21,100	9,170	30,356	0.436	1.57	0.813	6.10	8.92	ND
	"	2-3	1,390	9,840	2,740	13,970	59.1	157	72.7	103	392	ND
	"	4-5	1,220	15,200	4,110	20,530	65.2	160	72.5	95.1	393	ND
	"	6-7	869	8,220	2,180	11,269	43.4	105	47.0	62.0	257	ND
	"	8-9	599	5,020	1,420	7,039	18.9	60.6	31.7	42.4	154	ND
	"	10	447	4,430	1,310	6,187	5.55	33.7	23.4	34.1	96.8	20.3
	"	12-13	328	5,580	1,260	7,168	0.640	14.2	15.9	25.2	55.9	28.2
	"	14-15	ND	42.3	ND	42.3	ND	0.176	0.255	0.449	0.880	ND
	"	20	ND	26.9	ND	26.9	ND	ND	ND	ND	ND	25.3
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(T) Test Trench

(BH) Borehole

(ND) Non Detect

Removed

Table 1
Silverback Exploration
Patrick API Battery
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	9/16/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-2	9/16/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.4
H-3	9/16/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.1
H-4	9/16/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(ND) Non Detect

(H) - Horizontal Sample

Table 2
Silverback Exploration
Patrick API Battery
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	3/20/2024	6'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-2	3/20/2024	6'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-3	3/20/2024	6'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-4	3/20/2024	17'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-5	3/20/2024	17'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-6	3/20/2024	17'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-7	3/20/2024	17'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-8	3/20/2024	17'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-9	3/20/2024	17'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-1	3/20/2024	6'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-2	3/20/2024	6'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-3	3/20/2024	6'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-4	3/20/2024	11'	566	3,680	635	4,881	0.454	9.55	16.2	29.3	55.5	48.0
	3/28/2024	11'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-5	3/20/2024	11'	361	423	60.4	844	4.65	17.4	10.3	22.2	54.4	32.0
	3/28/2024	11'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-6	3/20/2024	17'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-7	3/20/2024	17'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-8	3/20/2024	17'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-9	3/20/2024	17'	<10.0	49.6	<10.0	49.6	<0.050	<0.050	<0.050	<0.150	<0.300	304
SW-10	3/20/2024	17'	<10.0	95.8	10.3	106	<0.050	0.053	0.231	0.537	0.821	320
	3/28/2024	17'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-11	3/20/2024	17'	979	1,740	284	3,003	11.5	66	44.9	65.3	188	32.0
	3/28/2024	17'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-12	3/20/2024	17'	<10.0	<10.0	<10.0	<10.0	<0.050	0.056	0.05	<0.150	<0.300	32.0
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

(SW) Sidewall

 Removed

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Silverback Operating II, LLC

Photograph No. 1

Facility: Patrick API Battery

County: Eddy County, New Mexico

Description:

View East, Area of CS-1 through CS-6.



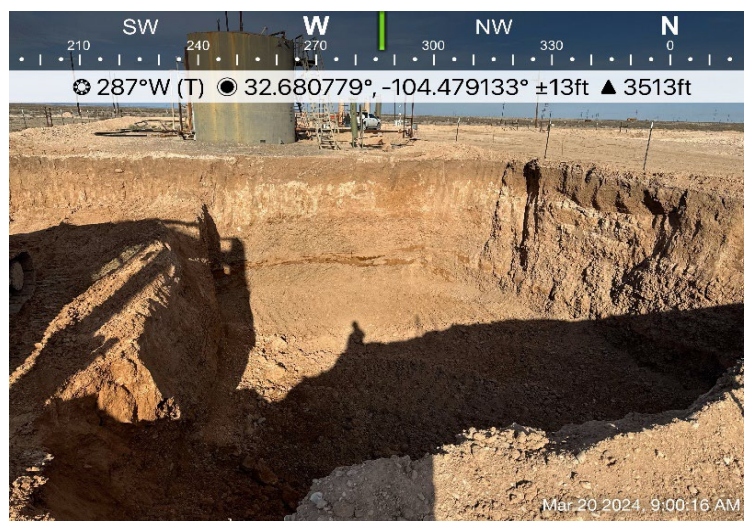
Photograph No. 2

Facility: Patrick API Battery

County: Eddy County, New Mexico

Description:

View West, Area of CS-4 through CS-9.



Photograph No. 3

Facility: Patrick API Battery

County: Eddy County, New Mexico

Description:

View East, Area of CS-1 through CS-9.



APPENDIX C

CARMONA RESOURCES



District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2223551130
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Silverback Operating	OGRID 330968
Contact Name Mark Ritchie	Contact Telephone 210-874-2406
Contact email mritchie@silverbackexp.com	Incident # (assigned by OCD) nAPP2223551130
Contact mailing address 108 S. 4th st Artesia, NM 88211	

Location of Release Source

Latitude 32.681069 Longitude -104.479496
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Patrick API Batt	Site Type Production Facility
Date Release Discovered 8/22/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
0	10	19S	25E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: David Wilson)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below):

☒ Crude Oil	Volume Released (bbls) 88	Volume Recovered (bbls) 3
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Downstem line inside the oil tank broke at the top connection causing it to fall and damage sump line resulting in a large leak in the bottom of the tank.

Form C-141

State of New Mexico
Oil Conservation Division

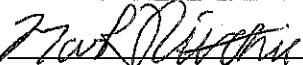
Page 2

Incident ID	nAPP2223551130
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Over 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, a phone call was placed to Mike Bratcher by Mark Ritchie just before mid day on 8/22/2022	

Initial Response

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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Mark Ritchie	Title: HSE Manager
Signature: 	Date: 9/7/2022
email: mritchie@silverbackexp.com	Telephone: 210-874-2406
OCD Only Received by: Jocelyn Harimon Date: 09/07/2022	

**SILVERBACK**
EXPLORATION

Volume Justification Sheet – Silverback Form 018

Volume Justification

This form is to be used to convey justification of spill volumes in the event of a release. Clearly indicate by calculations or description in the space provided below.

Justification: 500bbl tank capacity: 2.7778bbl/inch

8/21 guage: 6'5" 8/22 guage: 3'9" **32 inch loss**

$$\underline{32\text{inches} * 2.7778 \text{ bbl/inch} = 88.889\text{bbls}}$$

Approved by: Mark Ritchie

Date: 9/7/2022

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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 141263

CONDITIONS

Operator: Silverback Operating II, LLC IH10 West, Suite 201 San Antonio, TX 78257	OGRID: 330968
	Action Number: 141263
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	9/7/2022

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Mark Ritchie Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[C-141] Release Corrective Action (C-141) Application

Submission Information

Submission ID:

281533

Districts:

Artesia

Operator:

[\[330968\]](#) Silverback Operating II, LLC

Counties:

Eddy

Description:

Silverback Operating II, LLC [330968]
, PATRICK API BATTERY
, nAPP2223551130

Status:

APPROVED

Status Date:

02/28/2024

References (2):

30-015-28592, nAPP2223551130

Forms

Attachments:

[C-141, Field Data, Proposed Technique](#)

Questions

This submission type does not have questions, at this time.

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary:

scott.rogers (2/28/2024), The Remediation Plan is Conditionally Approved. The variance request to collect samples every 400 square feet is approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The work will need to occur in 90 days after the work plan has been reviewed.

Reasons

No reasons found for this submission.

Go Back

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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 324098

QUESTIONS

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 324098
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2223551130
Incident Name	NAPP2223551130 PATRICK API BATTERY @ 0
Incident Type	Oil Release
Incident Status	Remediation Plan Approved

Location of Release Source

Site Name	PATRICK API BATTERY
Date Release Discovered	08/22/2022
Surface Owner	Private

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

What is the sampling surface area in square feet	2,750
What is the estimated number of samples that will be gathered	18
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/20/2024
Time sampling will commence	03:00 PM
Please provide any information necessary for observers to contact samplers	Sampler Information: Conner Moehring (432) 813-6823
Please provide any information necessary for navigation to sampling site	Driving Directions – US 285 and Kincaid Ranch Rd trvl W on CR 38 for 3.62 mi. Trn L and trvl S for 1.20 mi on unnamed lease rd. Trn R and trvl W for 0.94 mi. Trn L on unnamed lease rd and trvl S for 0.68 mi. Arrive at GPS.

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CONDITIONS

Action 324098

CONDITIONS

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 324098
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
htreffert	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.	3/18/2024

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 326800

QUESTIONS

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 326800
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2223551130
Incident Name	NAPP2223551130 PATRICK API BATTERY @ 0
Incident Type	Oil Release
Incident Status	Remediation Plan Approved

Location of Release Source

Site Name	PATRICK API BATTERY
Date Release Discovered	08/22/2022
Surface Owner	Private

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

What is the sampling surface area in square feet	1,600
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/28/2024
Time sampling will commence	01:00 PM
Please provide any information necessary for observers to contact samplers	Conner R. Moehring 310 West Wall Street, Suite 500 Midland TX, 79701 M: 432-813-6823 cmoehring@carmonaresources.com
Please provide any information necessary for navigation to sampling site	Driving Directions – US 285 and Kincaid Ranch Rd trvl W on CR 38 for 3.62 mi. Trn L and trvl S for 1.20 mi on unnamed lease rd. Trn R and trvl W for 0.94 mi. Trn L on unnamed lease rd and trvl S for 0.68 mi. Arrive at GPS.

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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

CONDITIONS

Action 326800

CONDITIONS

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 326800
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
htreffert	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.	3/26/2024

APPENDIX D

CARMONA RESOURCES



Groundwater Determination Bore

Silverback Operating

Legend

- 55' - GWDB
- ⊙ Patrick API Battery



55' - GWDB

Patrick API Battery



Project Name :	Patrick API Battery	Date :	Wednesday, December 7, 2022
Project No. :	1130	Sampler :	Lane Scarborough
Location :	Eddy County, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.681064°, -104.478910°	Method :	Air Rotary
Elevation :	3,443'		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0'-1') - Light grey coarse grained, well graded, angular gravel (GW).		50		(50') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC).	
5		(5') - Light grey coarse grained, well graded, angular gravel (GW).		55		(55') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC).	
10		(10') - Light grey coarse grained, well graded, angular gravel (GW).		60			
15		(15') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC).		65			
20		(20') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC).		70			
25		(25') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC).		75			
30		(30') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC).		80			
35		(35') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC).		85			
40		(40') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC).		90			
45		(45') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC).		95			
50				105			

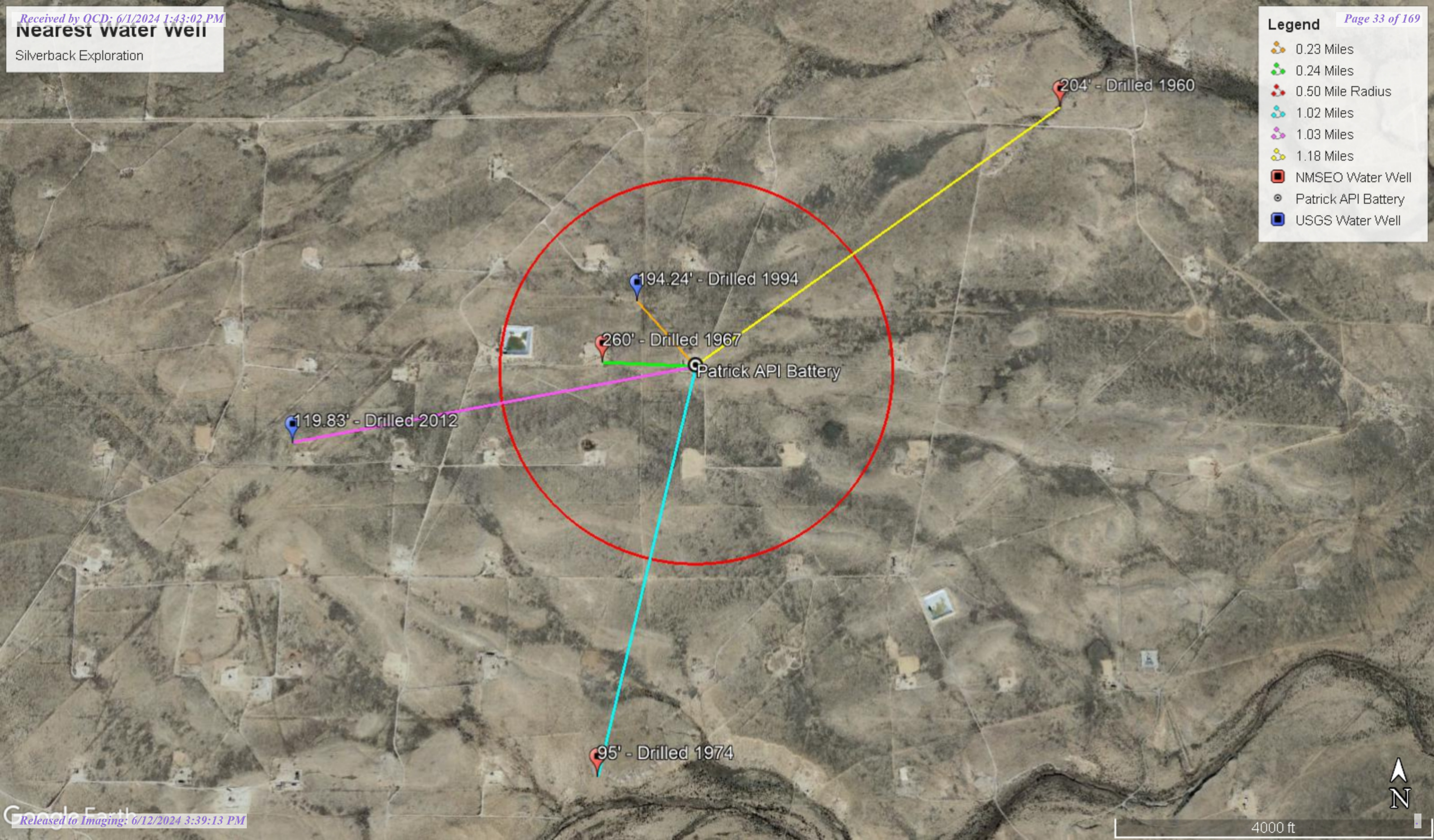
Comments : Boring terminated at 55' due to borehole collapsing. No presence of groundwater or moisture was detected.

Nearest water well

Silverback Exploration

Legend

- 0.23 Miles
- 0.24 Miles
- 0.50 Mile Radius
- 1.02 Miles
- 1.03 Miles
- 1.18 Miles
- NMSEO Water Well
- Patrick API Battery
- USGS Water Well



Medium Karst

Silverback Exploration

Legend

- Low
- Medium
- Patrick API Battery

Patrick API Battery



1 mi



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 05333	RA	ED		2	2	09	19S	25E		548430	3616046*	383	315	260	55
RA 04208	RA	ED		2	4	03	19S	25E		550036	3616845*	1468	110		
RA 05900	RA	ED		2	2	16	19S	25E		548442	3614424*	1649	185	95	90
RA 04236	RA	CH		3	3	1	02	19S	25E	550335	3617145*	1885	360	204	156
RA 04722	RA	ED		3	1	02	19S	25E		550436	3617246*	2026	200	42	158
RA 05450	RA	CH		4	2	15	19S	25E		550057	3614015*	2369	204	80	124
RA 05331	RA	ED		1	1	4	05	19S	25E	546308	3616955*	2670	460	305	155
RA 04128	RA	ED			2	02	19S	25E		551443	3617449*	2987	211	100	111
RA 07639	RA	ED		3	1	01	19S	25E		552049	3617250*	3457	260	172	88
RA 03983	RA	CH		4	3	01	19S	25E		552457	3616444*	3666	375	100	275
RA 06418	RA	ED		1	2	3	17	19S	25E	545925	3613710*	3705	120	72	48
RA 13122 POD1	RA	ED		1	3	2	21	19S	25E	547935	3612424	3712			
RA 08146	RA	ED		4	4	3	28	18S	25E	547693	3619576*	3717	400		
RA 13122 POD2	RA	ED		3	3	2	21	19S	25E	547996	3612385	3736	108	102	6
RA 03975	RA	ED		3	1	3	36	18S	25E	551942	3618353*	3895	430	270	160

Average Depth to Water: **150 feet**

Minimum Depth: **42 feet**

Maximum Depth: **305 feet**

Record Count: 15

UTM NAD83 Radius Search (in meters):

Easting (X): 548813.34

Northing (Y): 3616031.49

Radius: 4000

*UTM location was derived from PLSS - see Help

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

10/27/22 8:02 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the [Water Data For The Nation Blog](#) for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 324100104285501

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 324100104285501 19S.25E.04.444341

Eddy County, New Mexico
Latitude 32°41'00", Longitude 104°28'55" NAD27
Land-surface elevation 3,515 feet above NGVD29
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the San Andres Limestone (313SADR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1994-02-10			D	62610	3320.76	NGVD29			S	
1994-02-10			D	62611	3322.34	NAVD88			S	
1994-02-10			D	72019	194.24				S	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988

Section	Code	Description
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions about sites/data?](#)
[Feedback on this web site](#)
[Automated retrievals](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)
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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels/>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2022-10-27 10:10:44 EDT
0.27 0.23 nadww02



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**
RA 05333

Q64 Q16 Q4 Sec TwS Rng
2 2 09 19S 25E

X Y
548430 3616046*

x

Driller License: 353 **Driller Company:** OSBOURN DRILLING & PUMP CO.

Driller Name: EXISTING WELL

Drill Start Date: 04/18/1967

Drill Finish Date: 05/05/1967

Plug Date:

Log File Date: 05/12/1967

PCW Rev Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well: 315 feet

Depth Water: 260 feet

x

Water Bearing Stratifications:

Top Bottom Description

275 290 Sandstone/Gravel/Conglomerate

290 303 Sandstone/Gravel/Conglomerate

x

Casing Perforations:

Top Bottom

280 312

x

Meter Number: 8784

Meter Make: MASTER

Meter Serial Number: FL001

Meter Multiplier: 10.0000

Number of Dials: 6

Meter Type: Diversion

Unit of Measure: Barrels 42 gal.

Return Flow Percent:

Usage Multiplier:

Reading Frequency:

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
02/25/2005	2005	19	A	RPT		0
03/10/2005	2005	4671	A	RPT		1.428
10/13/2005	2005	4822	A	ch		0.046
12/19/2005	2005	43967	A	jw		0
01/13/2006	2006	44260	A	jw		0.378
04/10/2006	2006	44260	A	ch		0

x

**YTD Meter Amounts: Year Amount

2005 1.474

2006 0.378

x

*UTM location was derived from PLSS - see Help

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

10/27/22 8:02 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)		(NAD83 UTM in meters)					
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
	RA 05900	2	2	16	19S	25E	548442	3614424*	
Driller License: 460		Driller Company: JENKINS BROTHERS DRILLING							
Driller Name:									
Drill Start Date: 03/18/1974		Drill Finish Date: 03/19/1974		Plug Date:					
Log File Date: 03/25/1974		PCW Rev Date:		Source: Shallow					
Pump Type:		Pipe Discharge Size:		Estimated Yield: 30 GPM					
Casing Size: 7.00		Depth Well: 185 feet		Depth Water: 95 feet					
Water Bearing Stratifications:		Top	Bottom	Description					
		118	122	Sandstone/Gravel/Conglomerate					
Casing Perforations:		Top	Bottom						
		108	158						

*UTM location was derived from PLSS - see Help

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10/27/22 8:05 AM

POINT OF DIVERSION SUMMARY

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
				Groundwater	New Mexico	GO	

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- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the [Water Data For The Nation Blog](#) for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 324041104294801

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 324041104294801 19S.25E.08.42222

Eddy County, New Mexico
Latitude 32°40'41", Longitude 104°29'48" NAD27
Land-surface elevation 3,539 feet above NAVD88
The depth of the well is 142 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1955-01-04		D	62610		3439.96	NGVD29	1		Z	
1955-01-04		D	62611		3441.54	NAVD88	1		Z	
1955-01-04		D	72019	97.46			1		Z	
1956-01-18		D	62610		3442.37	NGVD29	1		Z	
1956-01-18		D	62611		3443.95	NAVD88	1		Z	
1956-01-18		D	72019	95.05			1		Z	
1957-01-15		D	62610		3438.89	NGVD29	1		Z	
1957-01-15		D	62611		3440.47	NAVD88	1		Z	
1957-01-15		D	72019	98.53			1		Z	
1958-01-30		D	62610		3439.55	NGVD29	1		Z	
1958-01-30		D	62611		3441.13	NAVD88	1		Z	
1958-01-30		D	72019	97.87			1		Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum
1959-01-26	D	62610	3443.72	NGVD29	1	Z
1959-01-26	D	62611	3445.30	NAVD88	1	Z
1959-01-26	D	72019	93.70		1	Z
1960-01-26	D	62610	3438.66	NGVD29	P	Z
1960-01-26	D	62611	3440.24	NAVD88	P	Z
1960-01-26	D	72019	98.76		P	Z
1961-01-23	D	62610	3439.22	NGVD29	1	Z
1961-01-23	D	62611	3440.80	NAVD88	1	Z
1961-01-23	D	72019	98.20		1	Z
1962-01-29	D	62610	3437.62	NGVD29	1	Z
1962-01-29	D	62611	3439.20	NAVD88	1	Z
1962-01-29	D	72019	99.80		1	Z
1963-01-07	D	62610	3437.47	NGVD29	1	Z
1963-01-07	D	62611	3439.05	NAVD88	1	Z
1963-01-07	D	72019	99.95		1	Z
1963-07-23	D	62610	3437.76	NGVD29	1	Z
1963-07-23	D	62611	3439.34	NAVD88	1	Z
1963-07-23	D	72019	99.66		1	Z
1963-09-04	D	62610	3439.02	NGVD29	1	Z
1963-09-04	D	62611	3440.60	NAVD88	1	Z
1963-09-04	D	72019	98.40		1	Z
1963-10-11	D	62610	3437.15	NGVD29	1	Z
1963-10-11	D	62611	3438.73	NAVD88	1	Z
1963-10-11	D	72019	100.27		1	Z
1963-11-19	D	62610	3437.27	NGVD29	1	Z
1963-11-19	D	62611	3438.85	NAVD88	1	Z
1963-11-19	D	72019	100.15		1	Z
1964-01-10	D	62610	3437.13	NGVD29	1	Z
1964-01-10	D	62611	3438.71	NAVD88	1	Z
1964-01-10	D	72019	100.29		1	Z
1965-01-13	D	62610	3434.62	NGVD29	1	Z
1965-01-13	D	62611	3436.20	NAVD88	1	Z
1965-01-13	D	72019	102.80		1	Z
1966-01-27	D	62610	3433.83	NGVD29	P	Z
1966-01-27	D	62611	3435.41	NAVD88	P	Z
1966-01-27	D	72019	103.59		P	Z
1984-02-06	D	62610	3433.03	NGVD29	1	Z
1984-02-06	D	62611	3434.61	NAVD88	1	Z
1984-02-06	D	72019	104.39		1	Z
1989-02-01	D	62610	3436.56	NGVD29	1	Z
1989-02-01	D	62611	3438.14	NAVD88	1	Z
1989-02-01	D	72019	100.86		1	Z
1990-02-26	D	62610	3433.39	NGVD29	1	S
1990-02-26	D	62611	3434.97	NAVD88	1	S
1990-02-26	D	72019	104.03		1	S
1992-02-05	D	62610	3430.01	NGVD29	1	S
1992-02-05	D	62611	3431.59	NAVD88	1	S
1992-02-05	D	72019	107.41		1	S
1993-02-03	D	62610	3429.63	NGVD29	1	S
1993-02-03	D	62611	3431.21	NAVD88	1	S

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum
1993-02-03	D	72019	107.79		1	S
1994-02-21	D	62610	3428.05	NGVD29	1	S
1994-02-21	D	62611	3429.63	NAVD88	1	S
1994-02-21	D	72019	109.37		1	S
1999-01-14	D	62610	3424.80	NGVD29	1	S
1999-01-14	D	62611	3426.38	NAVD88	1	S
1999-01-14	D	72019	112.62		1	S
2003-01-25	D	62610	3426.14	NGVD29	1	S
2003-01-25	D	62611	3427.72	NAVD88	1	S
2003-01-25	D	72019	111.28		1	S
2004-02-04	D	62610	3423.97	NGVD29	1	S
2004-02-04	D	62611	3425.55	NAVD88	1	S
2004-02-04	D	72019	113.45		1	S
2005-02-08 15:50 UTC	m	62610	3426.42	NGVD29	1	S
2005-02-08 15:50 UTC	m	62611	3428.00	NAVD88	1	S
2005-02-08 15:50 UTC	m	72019	111.00		1	S
2006-02-08 19:45 UTC	m	62610	3425.72	NGVD29	1	S
2006-02-08 19:45 UTC	m	62611	3427.30	NAVD88	1	S
2006-02-08 19:45 UTC	m	72019	111.70		1	S
2007-02-13 18:30 UTC	m	62610	3424.52	NGVD29	1	S
2007-02-13 18:30 UTC	m	62611	3426.10	NAVD88	1	S
2007-02-13 18:30 UTC	m	72019	112.90		1	S
2008-01-14 16:55 UTC	m	62610	3423.04	NGVD29	1	S
2008-01-14 16:55 UTC	m	62611	3424.62	NAVD88	1	S
2008-01-14 16:55 UTC	m	72019	114.38		1	S
2009-01-06 20:30 UTC	m	62610	3421.98	NGVD29	1	S
2009-01-06 20:30 UTC	m	62611	3423.56	NAVD88	1	S
2009-01-06 20:30 UTC	m	72019	115.44		1	S
2010-01-20 21:20 UTC	m	62610	3420.06	NGVD29	1	S
2010-01-20 21:20 UTC	m	62611	3421.64	NAVD88	1	S
2010-01-20 21:20 UTC	m	72019	117.36		1	S
2012-01-05 17:35 UTC	m	62610	3417.59	NGVD29	1	S
2012-01-05 17:35 UTC	m	62611	3419.17	NAVD88	1	S
2012-01-05 17:35 UTC	m	72019	119.83		1	S

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
Source of measurement		A	Reported by another government agency (do not use "A" if reported by owner, use "O").				
Source of measurement		S	Measured by personnel of reporting agency.				
Water-level approval status		A	Approved for publication -- Processing and review completed.				

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URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels/>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2022-10-27 10:13:12 EDT
0.29 0.23 nadww02



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 04236	3	3	1	02	19S	25E	550335	3617145* 
Driller License: 111		Driller Company: BURKE, EDWARD B.							
Driller Name:									
Drill Start Date: 05/27/1960		Drill Finish Date: 05/31/1960				Plug Date:			
Log File Date: 06/03/1960		PCW Rev Date:				Source: Shallow			
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size: 7.00		Depth Well: 360 feet				Depth Water: 204 feet			
Water Bearing Stratifications:		Top	Bottom	Description					
		240	325	Sandstone/Gravel/Conglomerate					
Casing Perforations:		Top	Bottom						
		245	287						

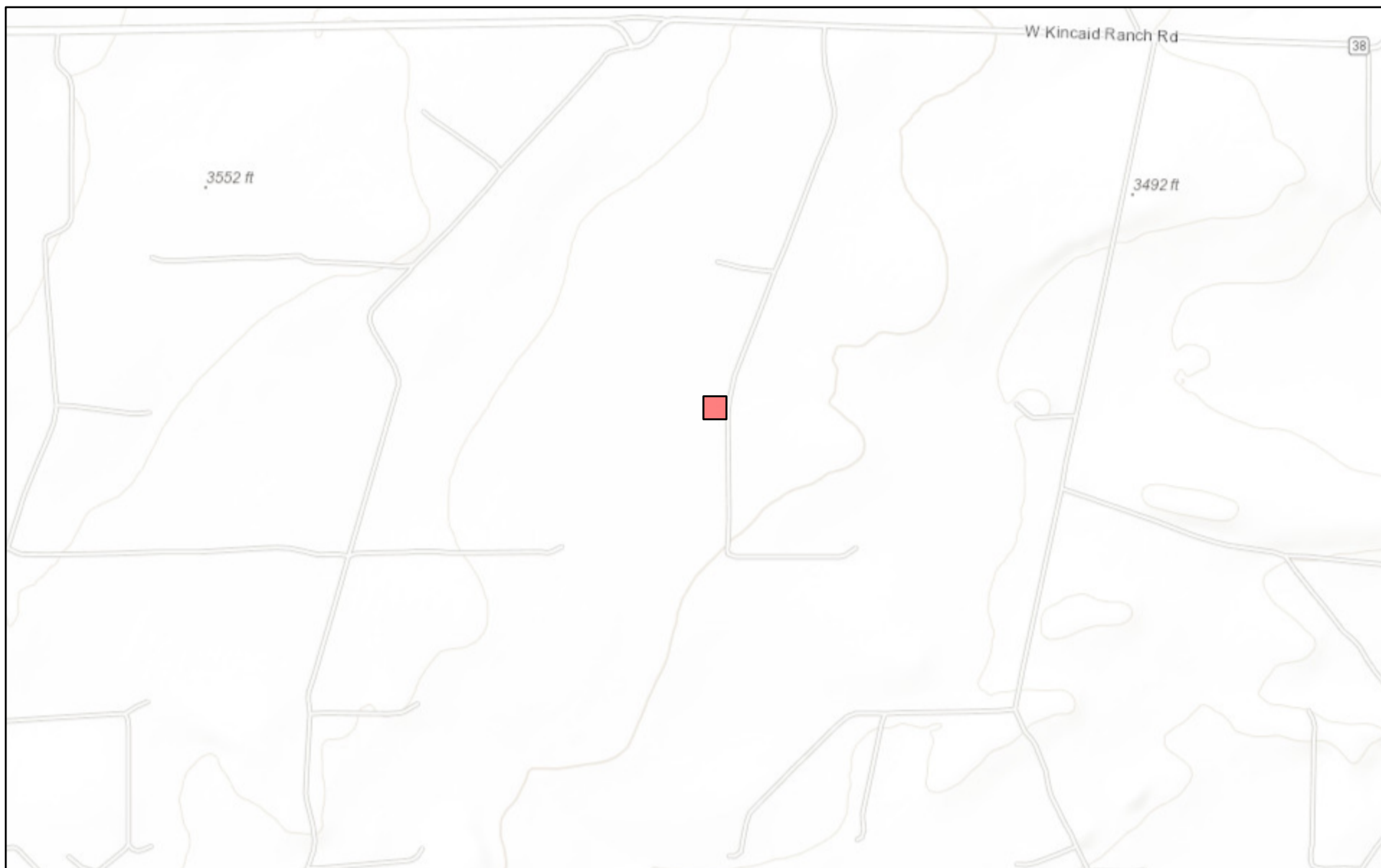
*UTM location was derived from PLSS - see Help

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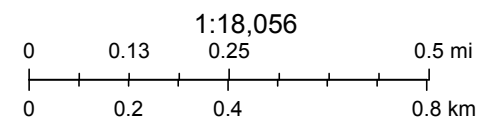
10/27/22 8:06 AM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



October 27, 2022



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

nmflood.org is made possible through a collaboration with NMDHSEM,

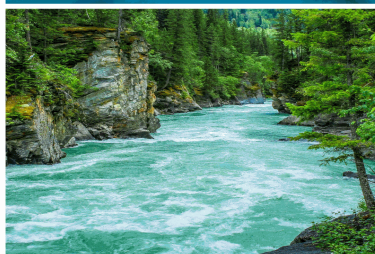
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APPENDIX E

CARMONA RESOURCES



Report to:
Conner Moehring



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Carmona Resources

Project Name: Patrick API Battery

Work Order: E209108

Job Number: [none]

Received: 9/20/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/21/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 9/21/22

Conner Moehring
310 West Wall St. Suite 415
Midland, TX 79701



Project Name: Patrick API Battery
Workorder: E209108
Date Received: 9/20/2022 10:55:00AM

Conner Moehring,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/20/2022 10:55:00AM, under the Project Name: Patrick API Battery.

The analytical test results summarized in this report with the Project Name: Patrick API Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: Project Manager: Conner Moehring	Reported: 09/21/22 18:18
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 (0-1')	E209108-01A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-1 (1.5')	E209108-02A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-1 (2')	E209108-03A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-1 (2.5')	E209108-04A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-1 (3')	E209108-05A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-1 (4')	E209108-06A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-2 (0-1')	E209108-07A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-2 (1.5')	E209108-08A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-2 (2')	E209108-09A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-2 (2.5')	E209108-10A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-2 (3')	E209108-11A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-2 (3.5')	E209108-12A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-2 (4')	E209108-13A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-3 (0-1')	E209108-14A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-3 (1.5')	E209108-15A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-3 (2')	E209108-16A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-3 (2.5')	E209108-17A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-3 (3')	E209108-18A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-3 (3.5')	E209108-19A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
S-3 (4')	E209108-20A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
H-1 (0-0.5')	E209108-21A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
H-2 (0-0.5')	E209108-22A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
H-3 (0-0.5')	E209108-23A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
H-4 (0-0.5')	E209108-24A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
---	---	---

S-1 (0-1')

E209108-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	ND	0.0250	1	09/20/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/21/22	
Toluene	ND	0.0250	1	09/20/22	09/21/22	
o-Xylene	ND	0.0250	1	09/20/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/21/22	
Surrogate: 4-Bromochlorobenzene-PID	99.2 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	81.0 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	196	25.0	1	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	95.8	50.0	1	09/20/22	09/21/22	
Surrogate: n-Nonane	70.4 %	50-200		09/20/22	09/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
---	---	----------------------------------

S-1 (1.5')

E209108-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	ND	0.0250	1	09/20/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/21/22	
Toluene	ND	0.0250	1	09/20/22	09/21/22	
o-Xylene	ND	0.0250	1	09/20/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	80.4 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	28.0	25.0	1	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/21/22	
<i>Surrogate: n-Nonane</i>						
	88.8 %	50-200		09/20/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
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S-1 (2')
E209108-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	ND	0.0250	1	09/20/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/21/22	
Toluene	ND	0.0250	1	09/20/22	09/21/22	
o-Xylene	ND	0.0250	1	09/20/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/21/22	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	79.6 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	182	25.0	1	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	66.8	50.0	1	09/20/22	09/21/22	
Surrogate: n-Nonane	77.3 %	50-200		09/20/22	09/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
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S-1 (2.5')

E209108-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	ND	0.0250	1	09/20/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/21/22	
Toluene	ND	0.0250	1	09/20/22	09/21/22	
o-Xylene	ND	0.0250	1	09/20/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.3 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	68.9	25.0	1	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	72.8	50.0	1	09/20/22	09/21/22	
<i>Surrogate: n-Nonane</i>						
	69.7 %	50-200		09/20/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
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S-1 (3')
E209108-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	ND	0.0250	1	09/20/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/21/22	
Toluene	ND	0.0250	1	09/20/22	09/21/22	
o-Xylene	ND	0.0250	1	09/20/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/21/22	
Surrogate: 4-Bromochlorobenzene-PID	99.0 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	81.9 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/21/22	
Surrogate: n-Nonane	73.5 %	50-200		09/20/22	09/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	20.0	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
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S-1 (4')

E209108-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	ND	0.0250	1	09/20/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/21/22	
Toluene	ND	0.0250	1	09/20/22	09/21/22	
o-Xylene	ND	0.0250	1	09/20/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/21/22	
Surrogate: 4-Bromochlorobenzene-PID	99.2 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	82.0 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/21/22	
Surrogate: n-Nonane	73.3 %	50-200		09/20/22	09/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	21.4	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Patrick API Battery
Project Number: [none]
Project Manager: Conner Moehring

Reported:
9/21/2022 6:18:52PM

S-2 (0-1')

E209108-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239056
Benzene	0.189	0.0250	1	09/20/22	09/21/22	
Ethylbenzene	2.39	0.0250	1	09/20/22	09/21/22	
Toluene	1.86	0.0250	1	09/20/22	09/21/22	
o-Xylene	5.79	0.0250	1	09/20/22	09/21/22	
p,m-Xylene	5.63	0.0500	1	09/20/22	09/21/22	
Total Xylenes	11.4	0.0250	1	09/20/22	09/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		123 %	70-130	09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239056
Gasoline Range Organics (C6-C10)	185	20.0	1	09/20/22	09/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239050
Diesel Range Organics (C10-C28)	6000	500	20	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	1650	1000	20	09/20/22	09/21/22	
<i>Surrogate: n-Nonane</i>						
		162 %	50-200	09/20/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239052
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
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S-2 (1.5')

E209108-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	67.4	0.250	10	09/20/22	09/21/22	
Ethylbenzene	76.3	0.250	10	09/20/22	09/21/22	
Toluene	163	0.250	10	09/20/22	09/21/22	
o-Xylene	30.4	0.250	10	09/20/22	09/21/22	
p,m-Xylene	67.1	0.500	10	09/20/22	09/21/22	
Total Xylenes	97.5	0.250	10	09/20/22	09/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	103 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	1430	200	10	09/20/22	09/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.8 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	10100	500	20	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	2950	1000	20	09/20/22	09/21/22	
<i>Surrogate: n-Nonane</i>						
	364 %	50-200		09/20/22	09/21/22	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Patrick API Battery
Project Number: [none]
Project Manager: Conner Moehring

Reported:
9/21/2022 6:18:52PM

S-2 (2')

E209108-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	89.9	0.250	10	09/20/22	09/21/22	
Ethylbenzene	78.9	0.250	10	09/20/22	09/21/22	
Toluene	184	0.250	10	09/20/22	09/21/22	
o-Xylene	29.8	0.250	10	09/20/22	09/21/22	
p,m-Xylene	70.4	0.500	10	09/20/22	09/21/22	
Total Xylenes	100	0.250	10	09/20/22	09/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	1460	200	10	09/20/22	09/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.1 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	11300	500	20	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	3350	1000	20	09/20/22	09/21/22	
<i>Surrogate: n-Nonane</i>						
	410 %	50-200		09/20/22	09/21/22	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
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S-2 (2.5')

E209108-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	91.9	0.250	10	09/20/22	09/21/22	
Ethylbenzene	76.6	0.250	10	09/20/22	09/21/22	
Toluene	181	0.250	10	09/20/22	09/21/22	
o-Xylene	28.7	0.250	10	09/20/22	09/21/22	
p,m-Xylene	69.7	0.500	10	09/20/22	09/21/22	
Total Xylenes	98.5	0.250	10	09/20/22	09/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	1480	200	10	09/20/22	09/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.8 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	9820	500	20	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	2850	1000	20	09/20/22	09/21/22	
<i>Surrogate: n-Nonane</i>						
	363 %	50-200		09/20/22	09/21/22	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Patrick API Battery
Project Number: [none]
Project Manager: Conner Moehring

Reported:
9/21/2022 6:18:52PM

S-2 (3')

E209108-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239056
Benzene	100	0.250	10	09/20/22	09/21/22	
Ethylbenzene	85.1	0.250	10	09/20/22	09/21/22	
Toluene	198	0.250	10	09/20/22	09/21/22	
o-Xylene	31.8	0.250	10	09/20/22	09/21/22	
p,m-Xylene	78.1	0.500	10	09/20/22	09/21/22	
Total Xylenes	110	0.250	10	09/20/22	09/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239056
Gasoline Range Organics (C6-C10)	1640	200	10	09/20/22	09/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.6 %	70-130	09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239050
Diesel Range Organics (C10-C28)	8920	500	20	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	2670	1000	20	09/20/22	09/21/22	
<i>Surrogate: n-Nonane</i>						
		352 %	50-200	09/20/22	09/21/22	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239052
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
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S-2 (3.5')

E209108-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	128	0.500	20	09/20/22	09/21/22	
Ethylbenzene	82.5	0.500	20	09/20/22	09/21/22	
Toluene	214	0.500	20	09/20/22	09/21/22	
o-Xylene	30.2	0.500	20	09/20/22	09/21/22	
p,m-Xylene	75.1	1.00	20	09/20/22	09/21/22	
Total Xylenes	105	0.500	20	09/20/22	09/21/22	
Surrogate: 4-Bromochlorobenzene-PID	99.5 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	1680	400	20	09/20/22	09/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.2 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	11300	500	20	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	3170	1000	20	09/20/22	09/21/22	
Surrogate: n-Nonane	459 %	50-200		09/20/22	09/21/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
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S-2 (4')

E209108-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	139	0.500	20	09/20/22	09/21/22	
Ethylbenzene	110	0.500	20	09/20/22	09/21/22	
Toluene	257	0.500	20	09/20/22	09/21/22	
o-Xylene	39.6	0.500	20	09/20/22	09/21/22	
p,m-Xylene	104	1.00	20	09/20/22	09/21/22	
Total Xylenes	143	0.500	20	09/20/22	09/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	101 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	2410	400	20	09/20/22	09/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.4 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	12900	500	20	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	3940	1000	20	09/20/22	09/21/22	
<i>Surrogate: n-Nonane</i>						
	513 %	50-200		09/20/22	09/21/22	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Patrick API Battery
Project Number: [none]
Project Manager: Conner Moehring

Reported:
9/21/2022 6:18:52PM

S-3 (0-1')

E209108-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239056
Benzene	0.508	0.0250	1	09/20/22	09/21/22	
Ethylbenzene	1.84	0.0250	1	09/20/22	09/21/22	
Toluene	2.45	0.0250	1	09/20/22	09/21/22	
o-Xylene	16.9	0.0250	1	09/20/22	09/21/22	
p,m-Xylene	25.1	0.0500	1	09/20/22	09/21/22	
Total Xylenes	41.9	0.0250	1	09/20/22	09/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		112 %	70-130	09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239056
Gasoline Range Organics (C6-C10)	339	20.0	1	09/20/22	09/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		111 %	70-130	09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239050
Diesel Range Organics (C10-C28)	11900	500	20	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	4560	1000	20	09/20/22	09/21/22	
<i>Surrogate: n-Nonane</i>						
		297 %	50-200	09/20/22	09/21/22	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239052
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
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S-3 (1.5')

E209108-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	2.60	0.250	10	09/20/22	09/21/22	
Ethylbenzene	2.20	0.250	10	09/20/22	09/21/22	
Toluene	8.39	0.250	10	09/20/22	09/21/22	
o-Xylene	24.6	0.250	10	09/20/22	09/21/22	
p,m-Xylene	44.9	0.500	10	09/20/22	09/21/22	
Total Xylenes	69.5	0.250	10	09/20/22	09/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	106 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	601	200	10	09/20/22	09/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.3 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	7980	500	20	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	3420	1000	20	09/20/22	09/21/22	
<i>Surrogate: n-Nonane</i>						
	240 %	50-200		09/20/22	09/21/22	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
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S-3 (2')

E209108-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	104	0.250	10	09/20/22	09/21/22	
Ethylbenzene	79.0	0.250	10	09/20/22	09/21/22	
Toluene	151	0.250	10	09/20/22	09/21/22	
o-Xylene	29.7	0.250	10	09/20/22	09/21/22	
p,m-Xylene	72.4	0.500	10	09/20/22	09/21/22	
Total Xylenes	102	0.250	10	09/20/22	09/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	1450	200	10	09/20/22	09/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.7 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	8010	500	20	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	3310	1000	20	09/20/22	09/21/22	
<i>Surrogate: n-Nonane</i>						
	313 %	50-200		09/20/22	09/21/22	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
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S-3 (2.5')

E209108-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	94.6	0.250	10	09/20/22	09/21/22	
Ethylbenzene	81.5	0.250	10	09/20/22	09/21/22	
Toluene	188	0.250	10	09/20/22	09/21/22	
o-Xylene	30.9	0.250	10	09/20/22	09/21/22	
p,m-Xylene	76.5	0.500	10	09/20/22	09/21/22	
Total Xylenes	107	0.250	10	09/20/22	09/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	104 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	1470	200	10	09/20/22	09/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.3 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	5280	500	20	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	2390	1000	20	09/20/22	09/21/22	
<i>Surrogate: n-Nonane</i>						
	230 %	50-200		09/20/22	09/21/22	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
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S-3 (3')

E209108-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	81.4	0.500	20	09/20/22	09/21/22	
Ethylbenzene	54.2	0.500	20	09/20/22	09/21/22	
Toluene	143	0.500	20	09/20/22	09/21/22	
o-Xylene	19.6	0.500	20	09/20/22	09/21/22	
p,m-Xylene	50.2	1.00	20	09/20/22	09/21/22	
Total Xylenes	69.8	0.500	20	09/20/22	09/21/22	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	1050	400	20	09/20/22	09/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.4 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	8630	500	20	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	3600	1000	20	09/20/22	09/21/22	
Surrogate: n-Nonane	334 %	50-200		09/20/22	09/21/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Patrick API Battery
Project Number: [none]
Project Manager: Conner Moehring

Reported:
9/21/2022 6:18:52PM

S-3 (3.5')

E209108-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	87.6	0.500	20	09/20/22	09/21/22	
Ethylbenzene	60.5	0.500	20	09/20/22	09/21/22	
Toluene	158	0.500	20	09/20/22	09/21/22	
o-Xylene	22.1	0.500	20	09/20/22	09/21/22	
p,m-Xylene	56.6	1.00	20	09/20/22	09/21/22	
Total Xylenes	78.7	0.500	20	09/20/22	09/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	101 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	1140	400	20	09/20/22	09/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.1 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	8050	500	20	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	2030	1000	20	09/20/22	09/21/22	
<i>Surrogate: n-Nonane</i>						
	300 %	50-200		09/20/22	09/21/22	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
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S-3 (4')

E209108-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Benzene	92.2	0.500	20	09/20/22	09/21/22	
Ethylbenzene	51.1	0.500	20	09/20/22	09/21/22	
Toluene	144	0.500	20	09/20/22	09/21/22	
o-Xylene	18.6	0.500	20	09/20/22	09/21/22	
p,m-Xylene	46.2	1.00	20	09/20/22	09/21/22	
Total Xylenes	64.8	0.500	20	09/20/22	09/21/22	
Surrogate: 4-Bromochlorobenzene-PID	99.7 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2239056	
Gasoline Range Organics (C6-C10)	975	400	20	09/20/22	09/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.7 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2239050	
Diesel Range Organics (C10-C28)	6190	500	20	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	1580	1000	20	09/20/22	09/21/22	
Surrogate: n-Nonane	246 %	50-200		09/20/22	09/21/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2239052	
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Patrick API Battery
Project Number: [none]
Project Manager: Conner Moehring

Reported:
9/21/2022 6:18:52PM

H-1 (0-0.5')

E209108-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239057
Benzene	ND	0.0250	1	09/20/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/21/22	
Toluene	ND	0.0250	1	09/20/22	09/21/22	
o-Xylene	ND	0.0250	1	09/20/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/21/22	
Surrogate: Bromofluorobenzene		102 %	70-130	09/20/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		89.7 %	70-130	09/20/22	09/21/22	
Surrogate: Toluene-d8		97.6 %	70-130	09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/21/22	
Surrogate: Bromofluorobenzene		102 %	70-130	09/20/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		89.7 %	70-130	09/20/22	09/21/22	
Surrogate: Toluene-d8		97.6 %	70-130	09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239026
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/21/22	
Surrogate: n-Nonane		74.0 %	50-200	09/20/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239053
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
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H-2 (0-0.5')
E209108-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239057
Benzene	ND	0.0250	1	09/20/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/21/22	
Toluene	ND	0.0250	1	09/20/22	09/21/22	
o-Xylene	ND	0.0250	1	09/20/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/21/22	
Surrogate: Bromofluorobenzene	99.8 %	70-130		09/20/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	90.7 %	70-130		09/20/22	09/21/22	
Surrogate: Toluene-d8	97.7 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/21/22	
Surrogate: Bromofluorobenzene	99.8 %	70-130		09/20/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	90.7 %	70-130		09/20/22	09/21/22	
Surrogate: Toluene-d8	97.7 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239026
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/21/22	
Surrogate: n-Nonane	71.4 %	50-200		09/20/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239053
Chloride	21.4	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Patrick API Battery
Project Number: [none]
Project Manager: Conner Moehring

Reported:
9/21/2022 6:18:52PM

H-3 (0-0.5')

E209108-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239057	
Benzene	ND	0.0250	1	09/20/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/21/22	
Toluene	ND	0.0250	1	09/20/22	09/21/22	
o-Xylene	ND	0.0250	1	09/20/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/21/22	
Surrogate: Bromofluorobenzene	100 %	70-130		09/20/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130		09/20/22	09/21/22	
Surrogate: Toluene-d8	98.2 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2239057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/21/22	
Surrogate: Bromofluorobenzene	100 %	70-130		09/20/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130		09/20/22	09/21/22	
Surrogate: Toluene-d8	98.2 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2239026	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/21/22	
Surrogate: n-Nonane	71.8 %	50-200		09/20/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2239053	
Chloride	23.1	20.0	1	09/20/22	09/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
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H-4 (0-0.5')
E209108-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239057
Benzene	ND	0.0250	1	09/20/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/21/22	
Toluene	ND	0.0250	1	09/20/22	09/21/22	
o-Xylene	ND	0.0250	1	09/20/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/21/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		09/20/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	91.6 %	70-130		09/20/22	09/21/22	
Surrogate: Toluene-d8	97.8 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/21/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		09/20/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	91.6 %	70-130		09/20/22	09/21/22	
Surrogate: Toluene-d8	97.8 %	70-130		09/20/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239026
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/21/22	
Surrogate: n-Nonane	67.9 %	50-200		09/20/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239053
Chloride	ND	20.0	1	09/20/22	09/21/22	



QC Summary Data

Carmona Resources	Project Name:	Patrick API Battery	Reported:
310 West Wall St. Suite 415	Project Number:	[none]	
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 6:18:52PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2239057-BLK1)

Prepared: 09/20/22 Analyzed: 09/21/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		91.9	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			

LCS (2239057-BS1)

Prepared: 09/20/22 Analyzed: 09/21/22

Benzene	2.17	0.0250	2.50		86.7	70-130			
Ethylbenzene	2.28	0.0250	2.50		91.4	70-130			
Toluene	2.16	0.0250	2.50		86.2	70-130			
o-Xylene	2.33	0.0250	2.50		93.2	70-130			
p,m-Xylene	4.51	0.0500	5.00		90.2	70-130			
Total Xylenes	6.84	0.0250	7.50		91.2	70-130			
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.3	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			

LCS Dup (2239057-BSD1)

Prepared: 09/20/22 Analyzed: 09/21/22

Benzene	2.09	0.0250	2.50		83.6	70-130	3.59	23	
Ethylbenzene	2.19	0.0250	2.50		87.7	70-130	4.09	27	
Toluene	2.04	0.0250	2.50		81.6	70-130	5.53	24	
o-Xylene	2.25	0.0250	2.50		90.0	70-130	3.54	27	
p,m-Xylene	4.33	0.0500	5.00		86.5	70-130	4.22	27	
Total Xylenes	6.58	0.0250	7.50		87.7	70-130	3.99	27	
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			



QC Summary Data

Carmona Resources	Project Name:	Patrick API Battery	Reported:
310 West Wall St. Suite 415	Project Number:	[none]	
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 6:18:52PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239056-BLK1)

Prepared: 09/20/22 Analyzed: 09/20/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			

LCS (2239056-BS1)

Prepared: 09/20/22 Analyzed: 09/20/22

Benzene	4.86	0.0250	5.00		97.1	70-130			
Ethylbenzene	4.27	0.0250	5.00		85.3	70-130			
Toluene	4.44	0.0250	5.00		88.8	70-130			
o-Xylene	4.35	0.0250	5.00		87.0	70-130			
p,m-Xylene	8.65	0.0500	10.0		86.5	70-130			
Total Xylenes	13.0	0.0250	15.0		86.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.2	70-130			

LCS Dup (2239056-BSD1)

Prepared: 09/20/22 Analyzed: 09/20/22

Benzene	4.94	0.0250	5.00		98.9	70-130	1.75	20	
Ethylbenzene	4.34	0.0250	5.00		86.8	70-130	1.76	20	
Toluene	4.53	0.0250	5.00		90.5	70-130	1.96	20	
o-Xylene	4.46	0.0250	5.00		89.1	70-130	2.45	20	
p,m-Xylene	8.80	0.0500	10.0		88.0	70-130	1.66	20	
Total Xylenes	13.3	0.0250	15.0		88.4	70-130	1.93	20	
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.2	70-130			



QC Summary Data

Carmona Resources	Project Name:	Patrick API Battery	Reported:
310 West Wall St. Suite 415	Project Number:	[none]	
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 6:18:52PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239056-BLK1) Prepared: 09/20/22 Analyzed: 09/20/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.59		8.00		82.4	70-130			

LCS (2239056-BS2) Prepared: 09/20/22 Analyzed: 09/20/22

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.67		8.00		83.4	70-130			

LCS Dup (2239056-BSD2) Prepared: 09/20/22 Analyzed: 09/20/22

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0		96.9	70-130	5.99	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.70		8.00		83.7	70-130			



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: [none] Project Manager: Conner Moehring	Reported: 9/21/2022 6:18:52PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239057-BLK1) Prepared: 09/20/22 Analyzed: 09/21/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		91.9	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			

LCS (2239057-BS2) Prepared: 09/20/22 Analyzed: 09/21/22

Gasoline Range Organics (C6-C10)	39.1	20.0	50.0		78.2	70-130			
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.452		0.500		90.3	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			

LCS Dup (2239057-BSD2) Prepared: 09/20/22 Analyzed: 09/21/22

Gasoline Range Organics (C6-C10)	42.3	20.0	50.0		84.5	70-130	7.79	20	
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.454		0.500		90.7	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.3	70-130			



QC Summary Data

Carmona Resources	Project Name:	Patrick API Battery	Reported:
310 West Wall St. Suite 415	Project Number:	[none]	
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 6:18:52PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239026-BLK1)					Prepared: 09/20/22 Analyzed: 09/20/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	38.8		50.0		77.5	50-200			

LCS (2239026-BS1)					Prepared: 09/20/22 Analyzed: 09/20/22				
Diesel Range Organics (C10-C28)	233	25.0	250		93.0	38-132			
Surrogate: n-Nonane	35.0		50.0		70.0	50-200			

Matrix Spike (2239026-MS1)					Source: E209098-26		Prepared: 09/20/22 Analyzed: 09/20/22		
Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.2	38-132			
Surrogate: n-Nonane	33.9		50.0		67.7	50-200			

Matrix Spike Dup (2239026-MSD1)					Source: E209098-26		Prepared: 09/20/22 Analyzed: 09/20/22		
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.2	38-132	1.05	20	
Surrogate: n-Nonane	35.1		50.0		70.3	50-200			



QC Summary Data

Carmona Resources	Project Name:	Patrick API Battery	Reported:
310 West Wall St. Suite 415	Project Number:	[none]	
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 6:18:52PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239050-BLK1)					Prepared: 09/20/22 Analyzed: 09/21/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	36.9		50.0		73.8	50-200			

LCS (2239050-BS1)					Prepared: 09/20/22 Analyzed: 09/21/22				
Diesel Range Organics (C10-C28)	219	25.0	250		87.7	38-132			
Surrogate: n-Nonane	35.9		50.0		71.7	50-200			

Matrix Spike (2239050-MS1)					Source: E209108-03		Prepared: 09/20/22 Analyzed: 09/21/22		
Diesel Range Organics (C10-C28)	143	25.0	250	182	NR	38-132			M2
Surrogate: n-Nonane	25.7		50.0		51.4	50-200			

Matrix Spike Dup (2239050-MSD1)					Source: E209108-03		Prepared: 09/20/22 Analyzed: 09/21/22		
Diesel Range Organics (C10-C28)	263	25.0	250	182	32.4	38-132	59.1	20	M2, R4
Surrogate: n-Nonane	35.0		50.0		70.0	50-200			



QC Summary Data

Carmona Resources	Project Name:	Patrick API Battery	Reported:
310 West Wall St. Suite 415	Project Number:	[none]	
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 6:18:52PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2239052-BLK1)					Prepared: 09/20/22 Analyzed: 09/21/22				
Chloride	ND	20.0							
LCS (2239052-BS1)					Prepared: 09/20/22 Analyzed: 09/21/22				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2239052-MS1)					Source: E209108-01		Prepared: 09/20/22 Analyzed: 09/21/22		
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2239052-MSD1)					Source: E209108-01		Prepared: 09/20/22 Analyzed: 09/21/22		
Chloride	260	20.0	250	ND	104	80-120	0.208	20	



QC Summary Data

Carmona Resources	Project Name:	Patrick API Battery	Reported:
310 West Wall St. Suite 415	Project Number:	[none]	
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 6:18:52PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2239053-BLK1)					Prepared: 09/20/22 Analyzed: 09/21/22				
Chloride	ND	20.0							
LCS (2239053-BS1)					Prepared: 09/20/22 Analyzed: 09/21/22				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2239053-MS1)					Source: E209108-21		Prepared: 09/20/22 Analyzed: 09/21/22		
Chloride	263	20.0	250	ND	105	80-120			
Matrix Spike Dup (2239053-MSD1)					Source: E209108-21		Prepared: 09/20/22 Analyzed: 09/21/22		
Chloride	261	20.0	250	ND	104	80-120	0.861	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Carmona Resources	Project Name:	Patrick API Battery	
310 West Wall St. Suite 415	Project Number:		Reported:
Midland TX, 79701	Project Manager:	Conner Moehring	09/21/22 18:18

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- R4 The RPD exceeded the acceptance limit. Sample visually appears to be non-homogenous.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Work Order No: E209108

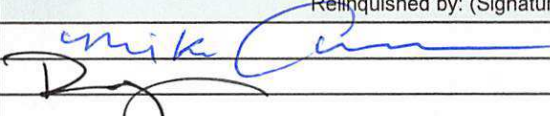
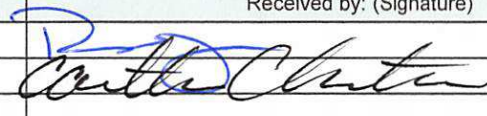
Page 1 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Mark Ritchie
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 415	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	mritchie@silverbackexp.com

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RC ☐ Perfund ☐
State of Project:	
Reporting: Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADaPT ☐ Other:

Project Name:		Patrick API Battery		Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number:		1130		☐ Routine ☒ Rush		Pres. Code														None: NO DI Water: H ₂ O							
Project Location		Eddy County, New Mexico		Due Date:		48HR														Cool: Cool MeOH: Me							
Sampler's Name:		CRM / AT																		HCL: HC HNO ₃ : HN							
PO #:																				H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No														H ₃ PO ₄ : HP					
Received Intact:		Yes No		Thermometer ID:																NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes No N/A		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:		Yes No N/A		Temperature Reading:																Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:																NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
S-1 (0-1')		9/16/2022				X				G		1		X X X													
S-1 (1.5')		9/16/2022				X				G		1		X X X													
S-1 (2')		9/16/2022				X				G		1		X X X													
S-1 (2.5')		9/16/2022				X				G		1		X X X													
S-1 (3')		9/16/2022				X				G		1		X X X													
S-1 (4')		9/16/2022				X				G		1		X X X													
S-2 (0-1')		9/16/2022				X				G		1		X X X													
S-2 (1.5')		9/16/2022				X				G		1		X X X													
S-2 (2')		9/16/2022				X				G		1		X X X													
S-2 (2.5')		9/16/2022				X				G		1		X X X													

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9.19.22		9.19.22
	9.19.22		9/20/22 10:5

Chain of Custody

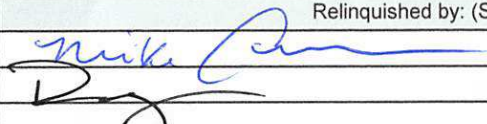
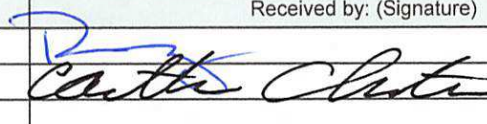
Work Order No: E209108Page 2 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 415	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐
State of Project:	
Reporting: Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADaPT ☐ Other:

Project Name:		Patrick API Battery		Turn Around		ANALYSIS REQUEST												Preservative Codes									
Project Number:		1130		☐ Routine ☐ Rush														None: NO DI Water: H ₂ O									
Project Location		Eddy County, New Mexico		Due Date:														Cool: Cool MeOH: Me									
Sampler's Name:		CRM / AT																HCL: HC HNO ₃ : HN									
PO #:																		H ₂ SO ₄ : H ₂ NaOH: Na									
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No														H ₃ PO ₄ : HP					
Received Intact:		Yes No		Thermometer ID:																NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes No N/A		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:		Yes No N/A		Temperature Reading:																Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:																NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont														Sample Comments	
S-2 (3')		9/16/2022				X				G		1		X X X													
S-2 (3.5')		9/16/2022				X				G		1		X X X													
S-2 (4')		9/16/2022				X				G		1		X X X													
S-3 (0-1')		9/16/2022				X				G		1		X X X													
S-3 (1.5')		9/16/2022				X				G		1		X X X													
S-3 (2')		9/16/2022				X				G		1		X X X													
S-3 (2.5')		9/16/2022				X				G		1		X X X													
S-3 (3')		9/16/2022				X				G		1		X X X													
S-3 (3.5')		9/16/2022				X				G		1		X X X													
S-3 (4')		9/16/2022				X				G		1		X X X													

Comments:

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		9.19.22				9.19.22	
		9.19.22				9/20/22 10:5	

Work Order Comments					
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐					
State of Project:					
Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐					
Deliverables: EDD ☐ ADaPT ☐ Other:					

21
22
23
24

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9.19.22		9.19.22
	9.19.22		9/20/22 10:5

Envirotech Analytical Laboratory

Printed: 9/20/2022 1:27:17PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Carmona Resources	Date Received:	09/20/22 10:55	Work Order ID:	E209108
Phone:	(432) 813-6823	Date Logged In:	09/20/22 10:50	Logged In By:	Caitlin Christian
Email:	cmochring@carmonaresources.com	Due Date:	09/21/22 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: UPSComments/Resolution

Time sampled not provided on COC.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Conner Moehring



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Carmona Resources

Project Name: Patrick API Battery

Work Order: E212092

Job Number: 22113-0001

Received: 12/15/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/21/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/21/22

Conner Moehring
310 West Wall St. Suite 415
Midland, TX 79701



Project Name: Patrick API Battery
Workorder: E212092
Date Received: 12/15/2022 10:30:00AM

Conner Moehring,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/15/2022 10:30:00AM, under the Project Name: Patrick API Battery.

The analytical test results summarized in this report with the Project Name: Patrick API Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/22 08:58
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH-1 (0 - 1')	E212092-01A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-1 (2 - 3')	E212092-02A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-1 (4 - 5')	E212092-03A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-1 (6 - 7')	E212092-04A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-2 (0 - 1')	E212092-05A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-2 (2 - 3')	E212092-06A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-2 (4 - 5')	E212092-07A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-2 (6 - 7')	E212092-08A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-2 (8 - 9')	E212092-09A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-2 (10')	E212092-10A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-2 (12 - 13')	E212092-11A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-2 (14 - 15')	E212092-12A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-2 (20')	E212092-13A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-3 (0 - 1')	E212092-14A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-3 (2 - 3')	E212092-15A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-3 (4 - 5')	E212092-16A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-3 (6 - 7')	E212092-17A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-3 (8 - 9')	E212092-18A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-3 (10')	E212092-19A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-3 (12 - 13')	E212092-20A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-3 (14 - 15')	E212092-21A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.
BH-3 (20')	E212092-22A	Soil	12/07/22	12/15/22	Glass Jar, 4 oz.



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-1 (0 - 1')

E212092-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	0.568	0.0500	2	12/15/22	12/16/22	
Ethylbenzene	0.991	0.0500	2	12/15/22	12/16/22	
Toluene	1.78	0.0500	2	12/15/22	12/16/22	
o-Xylene	3.40	0.0500	2	12/15/22	12/16/22	
p,m-Xylene	3.63	0.100	2	12/15/22	12/16/22	
Total Xylenes	7.03	0.0500	2	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID	98.5 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	115	40.0	2	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	103 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	22700	2500	100	12/16/22	12/17/22	
Oil Range Organics (C28-C36)	9690	5000	100	12/16/22	12/17/22	
Surrogate: n-Nonane	96.1 %	50-200		12/16/22	12/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	ND	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-1 (2 - 3')
E212092-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	0.0425	0.0250	1	12/15/22	12/16/22	
Ethylbenzene	0.181	0.0250	1	12/15/22	12/16/22	
Toluene	0.240	0.0250	1	12/15/22	12/16/22	
o-Xylene	0.0670	0.0250	1	12/15/22	12/16/22	
p,m-Xylene	0.0528	0.0500	1	12/15/22	12/16/22	
Total Xylenes	0.120	0.0250	1	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID	86.3 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.0 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	408	50.0	2	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	184	100	2	12/16/22	12/16/22	
Surrogate: n-Nonane	98.2 %	50-200		12/16/22	12/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	22.1	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-1 (4 - 5')
E212092-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	0.0252	0.0250	1	12/15/22	12/16/22	
Ethylbenzene	0.0874	0.0250	1	12/15/22	12/16/22	
Toluene	0.0569	0.0250	1	12/15/22	12/16/22	
o-Xylene	0.0436	0.0250	1	12/15/22	12/16/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/16/22	
Total Xylenes	0.0436	0.0250	1	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID	88.5 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.7 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	78.7	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane	100 %	50-200		12/16/22	12/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	ND	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-1 (6 - 7')
E212092-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	ND	0.0250	1	12/15/22	12/16/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/16/22	
Toluene	0.0424	0.0250	1	12/15/22	12/16/22	
o-Xylene	ND	0.0250	1	12/15/22	12/16/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/16/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID	96.4 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.1 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	33.3	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane	103 %	50-200		12/16/22	12/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	43.8	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-2 (0 - 1')
E212092-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	0.625	0.0500	2	12/15/22	12/16/22	
Ethylbenzene	0.613	0.0500	2	12/15/22	12/16/22	
Toluene	1.50	0.0500	2	12/15/22	12/16/22	
o-Xylene	3.23	0.0500	2	12/15/22	12/16/22	
p,m-Xylene	3.50	0.100	2	12/15/22	12/16/22	
Total Xylenes	6.73	0.0500	2	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	87.3	40.0	2	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.6 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	24300	2500	100	12/16/22	12/17/22	
Oil Range Organics (C28-C36)	10600	5000	100	12/16/22	12/17/22	
Surrogate: n-Nonane	100 %	50-200		12/16/22	12/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	ND	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-2 (2 - 3')
E212092-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	0.0744	0.0250	1	12/15/22	12/16/22	
Ethylbenzene	0.0442	0.0250	1	12/15/22	12/16/22	
Toluene	0.162	0.0250	1	12/15/22	12/16/22	
o-Xylene	ND	0.0250	1	12/15/22	12/16/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/16/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID	96.9 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.7 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	926	125	5	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	581	250	5	12/16/22	12/16/22	
Surrogate: n-Nonane	113 %	50-200		12/16/22	12/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	29.0	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-2 (4 - 5')
E212092-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	78.8	0.500	20	12/15/22	12/19/22	
Ethylbenzene	73.2	0.500	20	12/15/22	12/19/22	
Toluene	174	0.500	20	12/15/22	12/19/22	
o-Xylene	27.3	0.500	20	12/15/22	12/19/22	
p,m-Xylene	67.2	1.00	20	12/15/22	12/19/22	
Total Xylenes	94.5	0.500	20	12/15/22	12/19/22	
Surrogate: 4-Bromochlorobenzene-PID	99.3 %	70-130		12/15/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	1190	400	20	12/15/22	12/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.0 %	70-130		12/15/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	16100	1250	50	12/16/22	12/17/22	
Oil Range Organics (C28-C36)	4440	2500	50	12/16/22	12/17/22	
Surrogate: n-Nonane	435 %	50-200		12/16/22	12/17/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	ND	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-2 (6 - 7')
E212092-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	47.6	0.250	10	12/15/22	12/16/22	
Ethylbenzene	54.7	0.250	10	12/15/22	12/16/22	
Toluene	117	0.250	10	12/15/22	12/16/22	
o-Xylene	21.3	0.250	10	12/15/22	12/16/22	
p,m-Xylene	51.9	0.500	10	12/15/22	12/16/22	
Total Xylenes	73.1	0.250	10	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	1030	200	10	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	101 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	8540	500	20	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	2210	1000	20	12/16/22	12/16/22	
Surrogate: n-Nonane	258 %	50-200		12/16/22	12/16/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	ND	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Patrick API Battery
Project Number: 22113-0001
Project Manager: Conner Moehring

Reported:
12/21/2022 8:58:15AM

BH-2 (8 - 9')

E212092-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2251075
Benzene	25.0	0.250	10	12/15/22	12/19/22	
Ethylbenzene	35.2	0.250	10	12/15/22	12/19/22	
Toluene	70.4	0.250	10	12/15/22	12/19/22	
o-Xylene	13.7	0.250	10	12/15/22	12/19/22	
p,m-Xylene	33.8	0.500	10	12/15/22	12/19/22	
Total Xylenes	47.5	0.250	10	12/15/22	12/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	12/15/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2251075
Gasoline Range Organics (C6-C10)	650	200	10	12/15/22	12/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.2 %	70-130	12/15/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2251079
Diesel Range Organics (C10-C28)	4640	250	10	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	1260	500	10	12/16/22	12/16/22	
<i>Surrogate: n-Nonane</i>						
		195 %	50-200	12/16/22	12/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2251088
Chloride	ND	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-2 (10')
E212092-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	4.38	0.250	10	12/15/22	12/19/22	
Ethylbenzene	24.2	0.250	10	12/15/22	12/19/22	
Toluene	34.8	0.250	10	12/15/22	12/19/22	
o-Xylene	9.71	0.250	10	12/15/22	12/19/22	
p,m-Xylene	25.3	0.500	10	12/15/22	12/19/22	
Total Xylenes	35.0	0.250	10	12/15/22	12/19/22	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		12/15/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	429	200	10	12/15/22	12/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.8 %	70-130		12/15/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	4450	250	10	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	1210	500	10	12/16/22	12/16/22	
Surrogate: n-Nonane	161 %	50-200		12/16/22	12/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	20.0	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-2 (12 - 13')
E212092-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	1.57	0.250	10	12/15/22	12/19/22	
Ethylbenzene	19.2	0.250	10	12/15/22	12/19/22	
Toluene	21.3	0.250	10	12/15/22	12/19/22	
o-Xylene	8.39	0.250	10	12/15/22	12/19/22	
p,m-Xylene	22.0	0.500	10	12/15/22	12/19/22	
Total Xylenes	30.4	0.250	10	12/15/22	12/19/22	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		12/15/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	400	200	10	12/15/22	12/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.5 %	70-130		12/15/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	4670	250	10	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	1320	500	10	12/16/22	12/16/22	
Surrogate: n-Nonane	175 %	50-200		12/16/22	12/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	28.3	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-2 (14 - 15')
E212092-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	1.21	0.0500	2	12/15/22	12/20/22	
Ethylbenzene	1.91	0.0500	2	12/15/22	12/20/22	
Toluene	4.13	0.0500	2	12/15/22	12/20/22	
o-Xylene	2.83	0.0500	2	12/15/22	12/20/22	
p,m-Xylene	3.89	0.100	2	12/15/22	12/20/22	
Total Xylenes	6.71	0.0500	2	12/15/22	12/20/22	
Surrogate: 4-Bromochlorobenzene-PID	104 %	70-130		12/15/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	85.0	40.0	2	12/15/22	12/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.1 %	70-130		12/15/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	18100	2500	100	12/16/22	12/17/22	
Oil Range Organics (C28-C36)	8260	5000	100	12/16/22	12/17/22	
Surrogate: n-Nonane	100 %	50-200		12/16/22	12/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	ND	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Patrick API Battery
Project Number: 22113-0001
Project Manager: Conner Moehring

Reported:
12/21/2022 8:58:15AM

BH-2 (20')

E212092-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2251075
Benzene	ND	0.0250	1	12/15/22	12/20/22	
Ethylbenzene	0.0608	0.0250	1	12/15/22	12/20/22	
Toluene	0.0703	0.0250	1	12/15/22	12/20/22	
o-Xylene	ND	0.0250	1	12/15/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		12/15/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2251075
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		12/15/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2251079
Diesel Range Organics (C10-C28)	37.0	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
<i>Surrogate: n-Nonane</i>						
	95.9 %	50-200		12/16/22	12/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2251088
Chloride	26.0	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-3 (0 - 1')
E212092-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	0.436	0.0500	2	12/15/22	12/16/22	
Ethylbenzene	0.813	0.0500	2	12/15/22	12/16/22	
Toluene	1.57	0.0500	2	12/15/22	12/16/22	
o-Xylene	2.89	0.0500	2	12/15/22	12/16/22	
p,m-Xylene	3.21	0.100	2	12/15/22	12/16/22	
Total Xylenes	6.10	0.0500	2	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID	99.6 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	86.4	40.0	2	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	101 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	21100	2500	100	12/16/22	12/17/22	
Oil Range Organics (C28-C36)	9170	5000	100	12/16/22	12/17/22	
Surrogate: n-Nonane	97.3 %	50-200		12/16/22	12/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	ND	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-3 (2 - 3')
E212092-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	59.1	0.250	10	12/15/22	12/16/22	
Ethylbenzene	72.7	0.250	10	12/15/22	12/16/22	
Toluene	157	0.250	10	12/15/22	12/16/22	
o-Xylene	30.6	0.250	10	12/15/22	12/16/22	
p,m-Xylene	72.5	0.500	10	12/15/22	12/16/22	
Total Xylenes	103	0.250	10	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	1390	200	10	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.1 %	70-130		12/15/22	12/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	9840	1250	50	12/16/22	12/17/22	
Oil Range Organics (C28-C36)	2740	2500	50	12/16/22	12/17/22	
Surrogate: n-Nonane	291 %	50-200		12/16/22	12/17/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	ND	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-3 (4 - 5')
E212092-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	65.2	0.500	20	12/15/22	12/19/22	
Ethylbenzene	72.5	0.500	20	12/15/22	12/19/22	
Toluene	160	0.500	20	12/15/22	12/19/22	
o-Xylene	27.9	0.500	20	12/15/22	12/19/22	
p,m-Xylene	67.3	1.00	20	12/15/22	12/19/22	
Total Xylenes	95.1	0.500	20	12/15/22	12/19/22	
Surrogate: 4-Bromochlorobenzene-PID	97.7 %	70-130		12/15/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	1220	400	20	12/15/22	12/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.4 %	70-130		12/15/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	15200	1250	50	12/16/22	12/17/22	
Oil Range Organics (C28-C36)	4110	2500	50	12/16/22	12/17/22	
Surrogate: n-Nonane	412 %	50-200		12/16/22	12/17/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	ND	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-3 (6 - 7')
E212092-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	43.4	0.500	20	12/15/22	12/19/22	
Ethylbenzene	47.0	0.500	20	12/15/22	12/19/22	
Toluene	105	0.500	20	12/15/22	12/19/22	
o-Xylene	17.9	0.500	20	12/15/22	12/19/22	
p,m-Xylene	44.0	1.00	20	12/15/22	12/19/22	
Total Xylenes	62.0	0.500	20	12/15/22	12/19/22	
Surrogate: 4-Bromochlorobenzene-PID	98.2 %	70-130		12/15/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	869	400	20	12/15/22	12/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.2 %	70-130		12/15/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	8220	500	20	12/16/22	12/17/22	
Oil Range Organics (C28-C36)	2180	1000	20	12/16/22	12/17/22	
Surrogate: n-Nonane	306 %	50-200		12/16/22	12/17/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	ND	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-3 (8 - 9')
E212092-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	18.9	0.250	10	12/15/22	12/19/22	
Ethylbenzene	31.7	0.250	10	12/15/22	12/19/22	
Toluene	60.6	0.250	10	12/15/22	12/19/22	
o-Xylene	11.8	0.250	10	12/15/22	12/19/22	
p,m-Xylene	30.7	0.500	10	12/15/22	12/19/22	
Total Xylenes	42.4	0.250	10	12/15/22	12/19/22	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		12/15/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	599	200	10	12/15/22	12/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.7 %	70-130		12/15/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	5020	500	20	12/16/22	12/17/22	
Oil Range Organics (C28-C36)	1420	1000	20	12/16/22	12/17/22	
Surrogate: n-Nonane	195 %	50-200		12/16/22	12/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	ND	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-3 (10')
E212092-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	5.55	0.250	10	12/15/22	12/19/22	
Ethylbenzene	23.4	0.250	10	12/15/22	12/19/22	
Toluene	33.7	0.250	10	12/15/22	12/19/22	
o-Xylene	9.49	0.250	10	12/15/22	12/19/22	
p,m-Xylene	24.6	0.500	10	12/15/22	12/19/22	
Total Xylenes	34.1	0.250	10	12/15/22	12/19/22	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		12/15/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	447	200	10	12/15/22	12/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.7 %	70-130		12/15/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	4430	500	20	12/16/22	12/17/22	
Oil Range Organics (C28-C36)	1310	1000	20	12/16/22	12/17/22	
Surrogate: n-Nonane	146 %	50-200		12/16/22	12/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	20.3	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-3 (12 - 13')
E212092-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Benzene	0.640	0.0500	2	12/15/22	12/17/22	
Ethylbenzene	15.9	0.0500	2	12/15/22	12/17/22	
Toluene	14.2	0.0500	2	12/15/22	12/17/22	
o-Xylene	7.25	0.0500	2	12/15/22	12/17/22	
p,m-Xylene	18.0	0.100	2	12/15/22	12/17/22	
Total Xylenes	25.2	0.0500	2	12/15/22	12/17/22	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		12/15/22	12/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251075	
Gasoline Range Organics (C6-C10)	328	40.0	2	12/15/22	12/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	113 %	70-130		12/15/22	12/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251079	
Diesel Range Organics (C10-C28)	5580	500	20	12/16/22	12/17/22	
Oil Range Organics (C28-C36)	1260	1000	20	12/16/22	12/17/22	
Surrogate: n-Nonane	172 %	50-200		12/16/22	12/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251088	
Chloride	28.2	20.0	1	12/16/22	12/17/22	



Sample Data

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Patrick API Battery
Project Number: 22113-0001
Project Manager: Conner Moehring

Reported:
12/21/2022 8:58:15AM

BH-3 (14 - 15')

E212092-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2251082
Benzene	ND	0.0250	1	12/16/22	12/17/22	
Ethylbenzene	0.255	0.0250	1	12/16/22	12/17/22	
Toluene	0.167	0.0250	1	12/16/22	12/17/22	
o-Xylene	0.143	0.0250	1	12/16/22	12/17/22	
p,m-Xylene	0.306	0.0500	1	12/16/22	12/17/22	
Total Xylenes	0.449	0.0250	1	12/16/22	12/17/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	12/16/22	12/17/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2251082
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/22	12/17/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.9 %	70-130	12/16/22	12/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2251080
Diesel Range Organics (C10-C28)	42.3	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
<i>Surrogate: n-Nonane</i>						
		97.6 %	50-200	12/16/22	12/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2251089
Chloride	ND	20.0	1	12/19/22	12/19/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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BH-3 (20')
E212092-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2251082	
Benzene	ND	0.0250	1	12/16/22	12/17/22	
Ethylbenzene	ND	0.0250	1	12/16/22	12/17/22	
Toluene	ND	0.0250	1	12/16/22	12/17/22	
o-Xylene	ND	0.0250	1	12/16/22	12/17/22	
p,m-Xylene	ND	0.0500	1	12/16/22	12/17/22	
Total Xylenes	ND	0.0250	1	12/16/22	12/17/22	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		12/16/22	12/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2251082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/22	12/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.4 %	70-130		12/16/22	12/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2251080	
Diesel Range Organics (C10-C28)	26.9	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane	97.8 %	50-200		12/16/22	12/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2251089	
Chloride	25.3	20.0	1	12/19/22	12/20/22	



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Patrick API Battery Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/21/2022 8:58:15AM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2251075-BLK1)

Prepared: 12/15/22 Analyzed: 12/16/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.3	70-130			

LCS (2251075-BS1)

Prepared: 12/15/22 Analyzed: 12/16/22

Benzene	4.69	0.0250	5.00		93.9	70-130			
Ethylbenzene	4.87	0.0250	5.00		97.4	70-130			
Toluene	4.95	0.0250	5.00		98.9	70-130			
o-Xylene	4.99	0.0250	5.00		99.7	70-130			
p,m-Xylene	9.88	0.0500	10.0		98.8	70-130			
Total Xylenes	14.9	0.0250	15.0		99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.4	70-130			

Matrix Spike (2251075-MS1)

Source: E212092-05

Prepared: 12/15/22 Analyzed: 12/16/22

Benzene	9.33	0.0500	10.0	0.625	87.0	54-133			
Ethylbenzene	9.78	0.0500	10.0	0.613	91.6	61-133			
Toluene	10.7	0.0500	10.0	1.50	91.8	61-130			
o-Xylene	12.8	0.0500	10.0	3.23	95.8	63-131			
p,m-Xylene	21.6	0.100	20.0	3.50	90.5	63-131			
Total Xylenes	34.4	0.0500	30.0	6.73	92.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	16.5		16.0		103	70-130			

Matrix Spike Dup (2251075-MSD1)

Source: E212092-05

Prepared: 12/15/22 Analyzed: 12/16/22

Benzene	9.10	0.0500	10.0	0.625	84.7	54-133	2.48	20	
Ethylbenzene	9.75	0.0500	10.0	0.613	91.4	61-133	0.255	20	
Toluene	10.6	0.0500	10.0	1.50	90.7	61-130	0.980	20	
o-Xylene	12.6	0.0500	10.0	3.23	94.1	63-131	1.33	20	
p,m-Xylene	21.2	0.100	20.0	3.50	88.4	63-131	1.94	20	
Total Xylenes	33.8	0.0500	30.0	6.73	90.3	63-131	1.71	20	
Surrogate: 4-Bromochlorobenzene-PID	15.6		16.0		97.7	70-130			



QC Summary Data

Carmona Resources	Project Name:	Patrick API Battery	Reported:
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/21/2022 8:58:15AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2251082-BLK1) Prepared: 12/16/22 Analyzed: 12/17/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			

LCS (2251082-BS1) Prepared: 12/16/22 Analyzed: 12/17/22

Benzene	4.76	0.0250	5.00		95.1	70-130			
Ethylbenzene	4.89	0.0250	5.00		97.9	70-130			
Toluene	4.98	0.0250	5.00		99.7	70-130			
o-Xylene	5.02	0.0250	5.00		100	70-130			
p,m-Xylene	9.91	0.0500	10.0		99.1	70-130			
Total Xylenes	14.9	0.0250	15.0		99.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			

Matrix Spike (2251082-MS1) Source: E212092-22 Prepared: 12/16/22 Analyzed: 12/17/22

Benzene	5.12	0.0250	5.00	ND	102	54-133			
Ethylbenzene	5.28	0.0250	5.00	ND	106	61-133			
Toluene	5.37	0.0250	5.00	ND	107	61-130			
o-Xylene	5.40	0.0250	5.00	ND	108	63-131			
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131			
Total Xylenes	16.1	0.0250	15.0	ND	107	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130			

Matrix Spike Dup (2251082-MSD1) Source: E212092-22 Prepared: 12/16/22 Analyzed: 12/17/22

Benzene	4.98	0.0250	5.00	ND	99.6	54-133	2.66	20	
Ethylbenzene	5.11	0.0250	5.00	ND	102	61-133	3.12	20	
Toluene	5.23	0.0250	5.00	ND	105	61-130	2.73	20	
o-Xylene	5.25	0.0250	5.00	ND	105	63-131	2.83	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	3.23	20	
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131	3.09	20	
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			



QC Summary Data

Carmona Resources	Project Name:	Patrick API Battery	Reported:
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/21/2022 8:58:15AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2251075-BLK1) Prepared: 12/15/22 Analyzed: 12/16/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

LCS (2251075-BS2) Prepared: 12/15/22 Analyzed: 12/16/22

Gasoline Range Organics (C6-C10)	53.3	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.8	70-130			

Matrix Spike (2251075-MS2) Source: E212092-05 Prepared: 12/15/22 Analyzed: 12/16/22

Gasoline Range Organics (C6-C10)	221	40.0	100	87.3	134	70-130			M1
Surrogate: 1-Chloro-4-fluorobenzene-FID	16.1		16.0		100	70-130			

Matrix Spike Dup (2251075-MSD2) Source: E212092-05 Prepared: 12/15/22 Analyzed: 12/16/22

Gasoline Range Organics (C6-C10)	217	40.0	100	87.3	130	70-130	1.68	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	16.6		16.0		104	70-130			



QC Summary Data

Carmona Resources	Project Name:	Patrick API Battery	Reported:
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/21/2022 8:58:15AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2251082-BLK1) Prepared: 12/16/22 Analyzed: 12/17/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00		98.9	70-130			

LCS (2251082-BS2) Prepared: 12/16/22 Analyzed: 12/17/22

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.06		8.00		101	70-130			

Matrix Spike (2251082-MS2) Source: E212092-22 Prepared: 12/16/22 Analyzed: 12/17/22

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			

Matrix Spike Dup (2251082-MSD2) Source: E212092-22 Prepared: 12/16/22 Analyzed: 12/17/22

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130	3.89	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.8	70-130			



QC Summary Data

Carmona Resources	Project Name:	Patrick API Battery	Reported:
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/21/2022 8:58:15AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2251079-BLK1)					Prepared: 12/16/22 Analyzed: 12/16/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.1		50.0		104	50-200			

LCS (2251079-BS1)					Prepared: 12/16/22 Analyzed: 12/16/22				
Diesel Range Organics (C10-C28)	249	25.0	250		99.7	38-132			
Surrogate: n-Nonane	49.1		50.0		98.3	50-200			

Matrix Spike (2251079-MS1)					Source: E212092-08		Prepared: 12/16/22 Analyzed: 12/16/22		
Diesel Range Organics (C10-C28)	9450	500	250	8540	367	38-132			M4
Surrogate: n-Nonane	140		50.0		281	50-200			S5

Matrix Spike Dup (2251079-MSD1)					Source: E212092-08		Prepared: 12/16/22 Analyzed: 12/16/22		
Diesel Range Organics (C10-C28)	10800	500	250	8540	894	38-132	13.0	20	M4
Surrogate: n-Nonane	177		50.0		355	50-200			S5



QC Summary Data

Carmona Resources	Project Name:	Patrick API Battery	Reported:
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/21/2022 8:58:15AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2251080-BLK1) Prepared: 12/16/22 Analyzed: 12/16/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.2		50.0		110	50-200			

LCS (2251080-BS1) Prepared: 12/16/22 Analyzed: 12/16/22

Diesel Range Organics (C10-C28)	215	25.0	250		86.1	38-132			
Surrogate: n-Nonane	46.6		50.0		93.2	50-200			

Matrix Spike (2251080-MS1) Source: E212095-04 Prepared: 12/16/22 Analyzed: 12/16/22

Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.6	38-132			
Surrogate: n-Nonane	44.6		50.0		89.2	50-200			

Matrix Spike Dup (2251080-MSD1) Source: E212095-04 Prepared: 12/16/22 Analyzed: 12/16/22

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.2	38-132	2.78	20	
Surrogate: n-Nonane	49.0		50.0		98.0	50-200			



QC Summary Data

Carmona Resources	Project Name:	Patrick API Battery	Reported:
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/21/2022 8:58:15AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2251088-BLK1)					Prepared: 12/16/22 Analyzed: 12/17/22				
Chloride	ND	20.0							
LCS (2251088-BS1)					Prepared: 12/16/22 Analyzed: 12/17/22				
Chloride	242	20.0	250		96.8	90-110			
Matrix Spike (2251088-MS1)					Source: E212092-01		Prepared: 12/16/22 Analyzed: 12/17/22		
Chloride	257	20.0	250	ND	103	80-120			
Matrix Spike Dup (2251088-MSD1)					Source: E212092-01		Prepared: 12/16/22 Analyzed: 12/17/22		
Chloride	259	20.0	250	ND	103	80-120	0.662	20	



QC Summary Data

Carmona Resources	Project Name:	Patrick API Battery	Reported:
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/21/2022 8:58:15AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2251089-BLK1)					Prepared: 12/19/22 Analyzed: 12/19/22				
Chloride	ND	20.0							
LCS (2251089-BS1)					Prepared: 12/19/22 Analyzed: 12/19/22				
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2251089-MS1)					Source: E212092-21		Prepared: 12/19/22 Analyzed: 12/19/22		
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2251089-MSD1)					Source: E212092-21		Prepared: 12/19/22 Analyzed: 12/20/22		
Chloride	259	20.0	250	ND	104	80-120	0.511	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Carmona Resources	Project Name:	Patrick API Battery	
310 West Wall St. Suite 415	Project Number:	22113-0001	Reported:
Midland TX, 79701	Project Manager:	Conner Moehring	12/21/22 08:58

- M1 Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

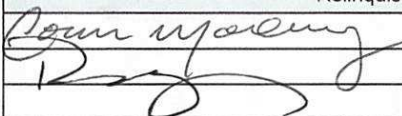
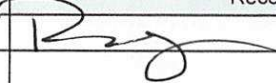
Work Order No: E212092
Job # 22113-0001Page 1 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Mark Ritchie
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 415	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	mritchie@silverbackexp.com

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Perfund ☐
State of Project:	
Reporting:	Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADaPT ☐ Other: ☐

Project Name:		Turn Around		ANALYSIS REQUEST																Preservative Codes					
Project Number:	1130	☒ Routine	☐ Rush	Pres. Code																None: NO	DI Water: H ₂ O				
Project Location:	Eddy County, New Mexico	Due Date:		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0													Cool: Cool	MeOH: Me				
Sampler's Name:	CM																						HCL: HC	HNO ₃ : HN	
PO #:																							H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes No					Wet Ice:	Yes No															H ₃ PO ₄ : HP	
Received Intact:	Yes No	Thermometer ID:																						NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes No N/A	Correction Factor:																		Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4																	Zn Acetate+NaOH: Zn					
Total Containers:		Corrected Temperature:																		NaOH+Ascorbic Acid: SAPC					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont															Sample Comments				
BH-1 (0-1')	12/7/2022		X		G	1	X	X	X												1				
BH-1 (2-3')	12/7/2022		X		G	1	X	X	X												2				
BH-1 (4-5')	12/7/2022		X		G	1	X	X	X												3				
BH-1 (6-7')	12/7/2022		X		G	1	X	X	X												4				
BH-2 (0-1')	12/7/2022		X		G	1	X	X	X												5				
BH-2 (2-3')	12/7/2022		X		G	1	X	X	X												6				
BH-2 (4-5')	12/7/2022		X		G	1	X	X	X												7				
BH-2 (6-7')	12/7/2022		X		G	1	X	X	X												8				
BH-2 (8-9')	12/7/2022		X		G	1	X	X	X												9				
BH-2 (10')	12/7/2022		X		G	1	X	X	X												10				

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/13/22 12.14.22		12.13.22

Chain of Custody

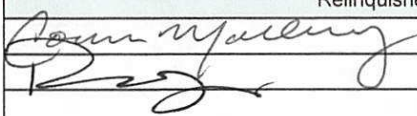
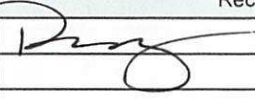
Work Order No: E212092
Job #22113-0001Page 2 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Mark Ritchie
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 415	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	mritchie@silverbackexp.com

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐
State of Project:	
Reporting: Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADaPT ☐ Other:

Project Name:		Turn Around		ANALYSIS REQUEST												Preservative Codes			
Project Number:	1130	☒ Routine ☐ Rush		Pres. Code													None: NO	DI Water: H ₂ O	
Project Location	Eddy County, New Mexico	Due Date:		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MFO)	Chloride 300.0										Cool: Cool	MeOH: Me	
Sampler's Name:	CM		HCL: HC														HNO ₃ : HN		
PO #:			H ₂ SO ₄ : H ₂														NaOH: Na		
			H ₃ PO ₄ : HP																
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	☒ Yes ☐ No													NaHSO ₄ : NABIS	
Received Intact:		☒ Yes ☐ No	Thermometer ID:															Na ₂ S ₂ O ₃ : NaSO ₃	
Cooler Custody Seals:		Yes No N/A	Correction Factor:															Zn Acetate+NaOH: Zn	
Sample Custody Seals:		Yes ☒ No N/A	Temperature Reading: 4															NaOH+Ascorbic Acid: SAPC	
Total Containers:			Corrected Temperature:																
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont												Sample Comments	
BH-2 (12-13')	12/7/2022		X		G	1	X	X	X									11	
BH-2 (14-15')	12/7/2022		X		G	1	X	X	X									12	
BH-2 (20')	12/7/2022		X		G	1	X	X	X									13	
BH-3 (0-1')	12/7/2022		X		G	1	X	X	X									14	
BH-3 (2-3')	12/7/2022		X		G	1	X	X	X									15	
BH-3 (4-5')	12/7/2022		X		G	1	X	X	X									16	
BH-3 (6-7')	12/7/2022		X		G	1	X	X	X									17	
BH-3 (8-9')	12/7/2022		X		G	1	X	X	X									18	
BH-3 (10')	12/7/2022		X		G	1	X	X	X									19	
BH-3 (12-13')	12/7/2022		X		G	1	X	X	X									20	

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/13/22		12.13.22
	12.14.22		

Page 3 of 3

Work Order Comments			
Program: UST/PST	☐ PRP	☐ Brownfields	☐ RC ☐ perfund
State of Project:			
Reporting: Level II	☐ Level III	☐ ST/UST	☐ RRP ☐ Level IV
Deliverables: EDD	☐ ADaPT	☐	Other:

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Page 39 of 40

Envirotech Analytical Laboratory

Printed: 12/15/2022 2:57:00PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Carmona Resources	Date Received:	12/15/22 10:30	Work Order ID:	E212092
Phone:	(432) 813-6823	Date Logged In:	12/15/22 11:09	Logged In By:	Caitlin Christian
Email:	cmochring@carmonaresources.com	Due Date:	12/21/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: UPSComments/Resolution

Time sampled not provided on COC by client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



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

March 25, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: PATRICK API BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/20/24 15:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 1 (6') (H241458-01)

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	03/22/2024	ND	2.05	102	2.00	0.642	
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	16.0	16.0	03/22/2024	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	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 2 (6') (H241458-02)

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	03/22/2024	ND	2.05	102	2.00	0.642	
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	32.0	16.0	03/22/2024	ND	432	108	400	0.00		

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	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 3 (6') (H241458-03)

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	03/22/2024	ND	2.05	102	2.00	0.642	
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	16.0	16.0	03/22/2024	ND	432	108	400	0.00	

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	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 4 (17') (H241458-04)

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	03/22/2024	ND	2.05	102	2.00	0.642		
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	16.0	16.0	03/22/2024	ND	432	108	400	0.00		

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	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 5 (17') (H241458-05)

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	03/22/2024	ND	2.05	102	2.00	0.642	
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	32.0	16.0	03/22/2024	ND	432	108	400	0.00	

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	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 6 (17') (H241458-06)

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	03/22/2024	ND	2.05	102	2.00	0.642		
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17		
Total BTEX	<0.300	0.300	03/22/2024	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	32.0	16.0	03/22/2024	ND	432	108	400	0.00		

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	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 7 (17') (H241458-07)

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	03/22/2024	ND	2.05	102	2.00	0.642		
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17		
Total BTEx	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	32.0	16.0	03/22/2024	ND	432	108	400	0.00		

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	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 8 (17') (H241458-08)

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	03/22/2024	ND	2.05	102	2.00	0.642		
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	208	16.0	03/22/2024	ND	432	108	400	0.00		

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	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 9 (17') (H241458-09)

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	03/22/2024	ND	2.05	102	2.00	0.642		
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	48.0	16.0	03/22/2024	ND	432	108	400	0.00		

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	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 1 (6') (H241458-10)

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	03/22/2024	ND	2.05	102	2.00	0.642		
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	32.0	16.0	03/22/2024	ND	432	108	400	0.00		

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	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 2 (6') (H241458-11)

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	03/22/2024	ND	2.05	102	2.00	0.642		
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	16.0	16.0	03/22/2024	ND	432	108	400	0.00		

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	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 3 (6') (H241458-12)

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	03/22/2024	ND	2.05	102	2.00	0.642		
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	16.0	16.0	03/22/2024	ND	432	108	400	0.00		

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	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 4 (11') (H241458-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.454	0.200	03/24/2024	ND	2.05	102	2.00	0.642	
Toluene*	9.55	0.200	03/24/2024	ND	2.02	101	2.00	1.71	
Ethylbenzene*	16.2	0.200	03/24/2024	ND	2.04	102	2.00	1.99	
Total Xylenes*	29.3	0.600	03/24/2024	ND	6.05	101	6.00	2.17	
Total BTEX	55.5	1.20	03/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	48.0	16.0	03/22/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	566	10.0	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	3680	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	635	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 156 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 5 (11') (H241458-14)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.65	0.100	03/24/2024	ND	2.05	102	2.00	0.642	
Toluene*	17.4	0.100	03/24/2024	ND	2.02	101	2.00	1.71	
Ethylbenzene*	10.3	0.100	03/24/2024	ND	2.04	102	2.00	1.99	
Total Xylenes*	22.2	0.300	03/24/2024	ND	6.05	101	6.00	2.17	
Total BTEX	54.5	0.600	03/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 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	32.0	16.0	03/22/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	361	10.0	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	423	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	60.4	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 6 (17') (H241458-15)

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	03/22/2024	ND	2.05	102	2.00	0.642		
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17		
Total BTEX	<0.300	0.300	03/22/2024	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	16.0	16.0	03/22/2024	ND	432	108	400	0.00		

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	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 7 (17') (H241458-16)

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	03/22/2024	ND	2.05	102	2.00	0.642		
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	112	16.0	03/22/2024	ND	432	108	400	0.00		

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	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 8 (17') (H241458-17)

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	03/22/2024	ND	2.05	102	2.00	0.642	
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	48.0	16.0	03/22/2024	ND	432	108	400	0.00	

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	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 9 (17') (H241458-18)

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	03/22/2024	ND	2.05	102	2.00	0.642		
Toluene*	<0.050	0.050	03/22/2024	ND	2.02	101	2.00	1.71		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.04	102	2.00	1.99		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.05	101	6.00	2.17		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	304	16.0	03/22/2024	ND	432	108	400	0.00		

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	03/21/2024	ND	183	91.3	200	1.02	
DRO >C10-C28*	49.6	10.0	03/21/2024	ND	175	87.3	200	0.768	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 10 (17') (H241458-19)

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	03/22/2024	ND	2.05	102	2.00	0.642	
Toluene*	0.053	0.050	03/22/2024	ND	2.02	101	2.00	1.71	
Ethylbenzene*	0.231	0.050	03/22/2024	ND	2.04	102	2.00	1.99	
Total Xylenes*	0.537	0.150	03/22/2024	ND	6.05	101	6.00	2.17	
Total BTEX	0.821	0.300	03/22/2024	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	320	16.0	03/22/2024	ND	432	108	400	0.00		

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	03/21/2024	ND	178	88.8	200	1.49	
DRO >C10-C28*	95.8	10.0	03/21/2024	ND	193	96.3	200	2.48	
EXT DRO >C28-C36	10.3	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 11 (17') (H241458-20)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	11.5	1.00	03/24/2024	ND	2.15	107	2.00	1.86	QM-07
Toluene*	66.0	1.00	03/24/2024	ND	2.16	108	2.00	2.08	QM-07
Ethylbenzene*	44.9	1.00	03/24/2024	ND	2.14	107	2.00	2.45	QM-07
Total Xylenes*	65.3	3.00	03/24/2024	ND	6.48	108	6.00	2.55	QM-07
Total BTEX	188	6.00	03/24/2024	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	32.0	16.0	03/22/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	979	10.0	03/21/2024	ND	178	88.8	200	1.49		
DRO >C10-C28*	1740	10.0	03/21/2024	ND	193	96.3	200	2.48		
EXT DRO >C28-C36	284	10.0	03/21/2024	ND						

Surrogate: 1-Chlorooctane 150 % 48.2-134

Surrogate: 1-Chlorooctadecane 167 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/20/2024
 Reported: 03/25/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 12 (17') (H241458-21)

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	03/24/2024	ND	2.15	107	2.00	1.86		
Toluene*	0.056	0.050	03/24/2024	ND	2.16	108	2.00	2.08		
Ethylbenzene*	0.050	0.050	03/24/2024	ND	2.14	107	2.00	2.45		
Total Xylenes*	<0.150	0.150	03/24/2024	ND	6.48	108	6.00	2.55		
Total BTEX	<0.300	0.300	03/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	32.0	16.0	03/22/2024	ND	432	108	400	0.00		

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	03/21/2024	ND	178	88.8	200	1.49	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	193	96.3	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- 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

Work Order No: 1241458

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

Comments: Send results to [Mike Carmona mcarmona@carmonaresources.com](mailto:mcarmona@carmonaresources.com) & Conner Moehring cmoehring@carmonaresources.com

Released to Imaging: 6/12/2024 3:39:13 PM

Chain of Custody

Work Order No: HA241458

Page 2 of 3

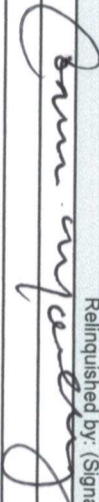
Project Manager:	Conner Moehring	Bill to: (if different)	Mark Ritchie
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	mitchie@silverbackexp.com

Work Order Comments			
Program: UST/PST	☐ PRP	☐ Brownfields	☐ RRC
State of Project:	☐ Superfund		
Reporting Level II	☐ Level III	☐ PST/UST	☐ RRP
Deliverables: EDD	☐ ADAPT	☐ Other:	

Project Name:	Patrick API Battery	Turn Around	☒ Routine	☐ Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	1130																	None: NO	DI Water: H ₂ O		
Project Location:	Eddy County, New Mexico	Due Date:																Cool: Cool	MeOH: Me		
Sampler's Name:	CRM																	HCL: HC	HNO ₃ : HN		
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐													H ₃ PO ₄ : HP			
Received Intact:	Yes ☒ No ☐	Thermometer ID:																NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:																Zn Acetate+NaOH: Zn			
Total Containers:	81	Corrected Temperature:																NaOH+Ascorbic Acid: SA:PC			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments
11 SW-2 (6')	3/20/2024		X		C	1	X	X	X	X									
12 SW-3 (6')	3/20/2024		X		C	1	X	X	X	X									
13 SW-4 (11')	3/20/2024		X		C	1	X	X	X	X									
14 SW-5 (11')	3/20/2024		X		C	1	X	X	X	X									
15 SW-6 (17')	3/20/2024		X		C	1	X	X	X	X									
16 SW-7 (17')	3/20/2024		X		C	1	X	X	X	X									
17 SW-8 (17')	3/20/2024		X		C	1	X	X	X	X									
18 SW-9 (17')	3/20/2024		X		C	1	X	X	X	X									
19 SW-10 (17')	3/20/2024		X		C	1	X	X	X	X									
20 SW-11 (17')	3/20/2024		X		C	1	X	X	X	X									

Comments: Send results to Mike Carmona mcarmona@carmonaresources.com & Conner Moehring cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3:00:34 15:18		

Chain of Custody

Work Order No: 7241458

Page 26 of 26

[illegible]



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

April 04, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: PATRICK API BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/28/24 15:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/28/2024
 Reported: 04/04/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 (11') (H241641-01)

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	04/03/2024	ND	1.98	98.8	2.00	1.37	
Toluene*	<0.050	0.050	04/03/2024	ND	1.97	98.5	2.00	4.27	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.05	102	2.00	5.39	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	6.16	103	6.00	5.04	
Total BTEX	<0.300	0.300	04/03/2024	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	48.0	16.0	04/02/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/02/2024	ND	204	102	200	0.00637	
DRO >C10-C28*	<10.0	10.0	04/02/2024	ND	187	93.4	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	04/02/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/28/2024
 Reported: 04/04/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5 (11') (H241641-02)

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	04/03/2024	ND	1.98	98.8	2.00	1.37		
Toluene*	<0.050	0.050	04/03/2024	ND	1.97	98.5	2.00	4.27		
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.05	102	2.00	5.39		
Total Xylenes*	<0.150	0.150	04/03/2024	ND	6.16	103	6.00	5.04		
Total BTEX	<0.300	0.300	04/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	48.0	16.0	04/02/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/02/2024	ND	204	102	200	0.00637	
DRO >C10-C28*	<10.0	10.0	04/02/2024	ND	187	93.4	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	04/02/2024	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/28/2024
 Reported: 04/04/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 10 (17') (H241641-03)

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	04/03/2024	ND	1.98	98.8	2.00	1.37		
Toluene*	<0.050	0.050	04/03/2024	ND	1.97	98.5	2.00	4.27		
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.05	102	2.00	5.39		
Total Xylenes*	<0.150	0.150	04/03/2024	ND	6.16	103	6.00	5.04		
Total BTEX	<0.300	0.300	04/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	48.0	16.0	04/02/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/02/2024	ND	204	102	200	0.00637	
DRO >C10-C28*	<10.0	10.0	04/02/2024	ND	187	93.4	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	04/02/2024	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 03/28/2024
 Reported: 04/04/2024
 Project Name: PATRICK API BATTERY
 Project Number: 1130
 Project Location: SILVERBACK EXPLOR.- EDDY CO NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 11 (17') (H241641-04)

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	04/03/2024	ND	1.98	98.8	2.00	1.37		
Toluene*	<0.050	0.050	04/03/2024	ND	1.97	98.5	2.00	4.27		
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.05	102	2.00	5.39		
Total Xylenes*	<0.150	0.150	04/03/2024	ND	6.16	103	6.00	5.04		
Total BTEX	<0.300	0.300	04/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	48.0	16.0	04/02/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/02/2024	ND	204	102	200	0.00637	
DRO >C10-C28*	<10.0	10.0	04/02/2024	ND	187	93.4	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	04/02/2024	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.1 % 49.1-148

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

Work Order No: H241041

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Mark Ritchie
Company Name:	Carmona Resources	Company Name:	Silverback Exploration
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	mritchie@silverbackexp.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Turn Around				Pres. Code	ANALYSIS REQUEST															Preservative Codes						
☒ Routine	☐ Rush	Due Date:			BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500												None: NO	DI Water: H ₂ O						
Project Name:	Patrick API Battery																		Cool: Cool	MeOH: Me						
Project Number:	1130																		HCL: HC	HNO ₃ : HN						
Project Location:	Eddy County, New Mexico																		H ₂ SO ₄ : H ₂	NaOH: Na						
Sampler's Name:	CRM																		H ₃ PO ₄ : HP							
PO #:																			NaHSO ₄ : NABIS							
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Parameters															Na ₂ S ₂ O ₅ : NaSO ₃	Zn Acetate+NaOH: Zn					
	Received Intact:	Yes ☒ No ☐	Thermometer ID:																	NaOH+Ascorbic Acid: SAPC						
	Cooler Custody Seals:	Yes ☒ No ☐ N/A ☐	Correction Factor:																							
	Sample Custody Seals:	Yes ☒ No ☐ N/A ☐	Temperature Reading:																							
	Total Containers:	4	Corrected Temperature:																							
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont																Sample Comments	
SW-4 (11')				3/28/2024		X		C	1	X	X	X														
SW-5 (11')				3/28/2024		X		C	1	X	X	X														
SW-10 (17')				3/28/2024		X		C	1	X	X	X														
SW-11 (17')				3/28/2024		X		C	1	X	X	X														

Comments: Send results to Mike Carmona mcarmona@carmonaresources.com & Conner Moehring cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3/28/24 15:16		

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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 346237

QUESTIONS

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID:
	330968
	Action Number:
	346237
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2223551130
Incident Name	NAPP2223551130 PATRICK API BATTERY @ 30-015-28592
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-28592] PATRICK API #001

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PATRICK API BATTERY
Date Release Discovered	08/22/2022
Surface Owner	Private

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 Tank (Any) Crude Oil Released: 88 BBL Recovered: 3 BBL Lost: 85 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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State of New Mexico
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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 2

Action 346237

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID:
	330968
	Action Number:
	346237
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Heather Treffert Title: Field Operations Analyst Email: htreffert@silverbackexp.com Date: 05/29/2024
--	---

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District IV

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 3

Action 346237

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 346237
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 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 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	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	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	

Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	10
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2500
GRO+DRO (EPA SW-846 Method 8015M)	1000
BTEX (EPA SW-846 Method 8021B or 8260B)	50
Benzene (EPA SW-846 Method 8021B or 8260B)	10

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	02/28/2024
On what date will (or did) the final sampling or liner inspection occur	03/26/2024
On what date will (or was) the remediation complete(d)	03/28/2024
What is the estimated surface area (in square feet) that will be reclaimed	3040
What is the estimated volume (in cubic yards) that will be reclaimed	1740
What is the estimated surface area (in square feet) that will be remediated	3040
What is the estimated volume (in cubic yards) that will be remediated	1740

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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District IV

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Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 4

Action 346237

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 346237
	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	LEA LAND LANDFILL [fEEM0112342028]
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)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<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: Heather Treffert Title: Field Operations Analyst Email: htrefert@silverbackexp.com Date: 06/01/2024
<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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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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QUESTIONS, Page 5

Action 346237

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 346237
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 346237

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID:	330968
	Action Number:	346237
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	326800
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/28/2024
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	1600

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	3040
What was the total volume (cubic yards) remediated	1740
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	3040
What was the total volume (in cubic yards) reclaimed	1740
Summarize any additional remediation activities not included by answers (above)	n/A

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: Heather Treffert Title: Field Operations Analyst Email: htrefert@silverbackexp.com Date: 06/01/2024
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QUESTIONS, Page 7

Action 346237

QUESTIONS (continued)

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	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 346237

CONDITIONS

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	330968
	Action Number:
	346237
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	6/12/2024
scott.rodgers	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. 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.	6/12/2024