

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Craig State #3H (02.07.2022)
Incident #: NAPP2205336907
Eddy County, New Mexico
Unit C Sec 36 T25S R26E
32.092230°, -104.249320°

Crude Oil Release
Point of Release: Valve Failure
Release Date: 02/07/2022
Volume Released: 1.5 barrel of Crude Oil
Volume Recovered: 0 barrels of Crude Oil

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
15 West London Road
Loving, New Mexico 88256

Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 415
Midland, Texas 79701

310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992



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April 1, 2022

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

Re: Closure Report
Craig State #3H (02.07.22)
Concho Operating, LLC
Incident ID NAPP2205336907
Site Location: Unit C, S36, T25S, R26E
(Lat 32.092230°, Long -104.249320°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for Craig State #3H (02.07.2022). The site is located at 32.092230°, -104.249320° within Unit C, S36, T25S, R26E, 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 February 7, 2022, due to a failed valve. It resulted in approximately one and a half (1.5) barrel of crude oil and zero (0) barrels were recovered. The area measured approximately 30' x 12' See 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, no known water sources are within a 0.50-mile radius of the location. The closest well is located approximately 0.87 miles Northeast of the site in S25, T25S, R26E and was drilled in 2018. The well has a reported depth to groundwater of 13.96' feet below ground surface (ft bgs). A copy of the associated *USGS – National Water Information System* report is attached in Appendix D.

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: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg



4.0 Site Assessment Activities

On March 8, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of eight (8) sample points were advanced to depths ranging from surface – 0.5' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample 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 Eurofins Laboratories in Midland, Texas. 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.

See Table 1 for the analytical results.

5.0 Remediation Activities

Carmona Resources personnel were onsite March 29, 2022, to supervise the remediation activities and collect confirmation samples. The areas were excavated to 0.5' bgs to remove all impacted soils.

A total of two (2) confirmation samples were collected (CS-1 and CS-2), and six (6) sidewall samples (SW-1 through SW-6) were collected every 200 square feet to ensure 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 results of the sampling are summarized in Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

All the final confirmation samples were below the 19.15.29.12 NMAC criteria. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 14 cubic yards of material were excavated and transported offsite for proper disposal

6.0 Conclusions

Based on the assessment finding and the analytical results, no further actions are required at the site. The final C-141 is attached, and COG formally requests closure of the spill. If you have any questions regarding this report or need additional information, don't hesitate to contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Mike Carmona
Environmental Manager

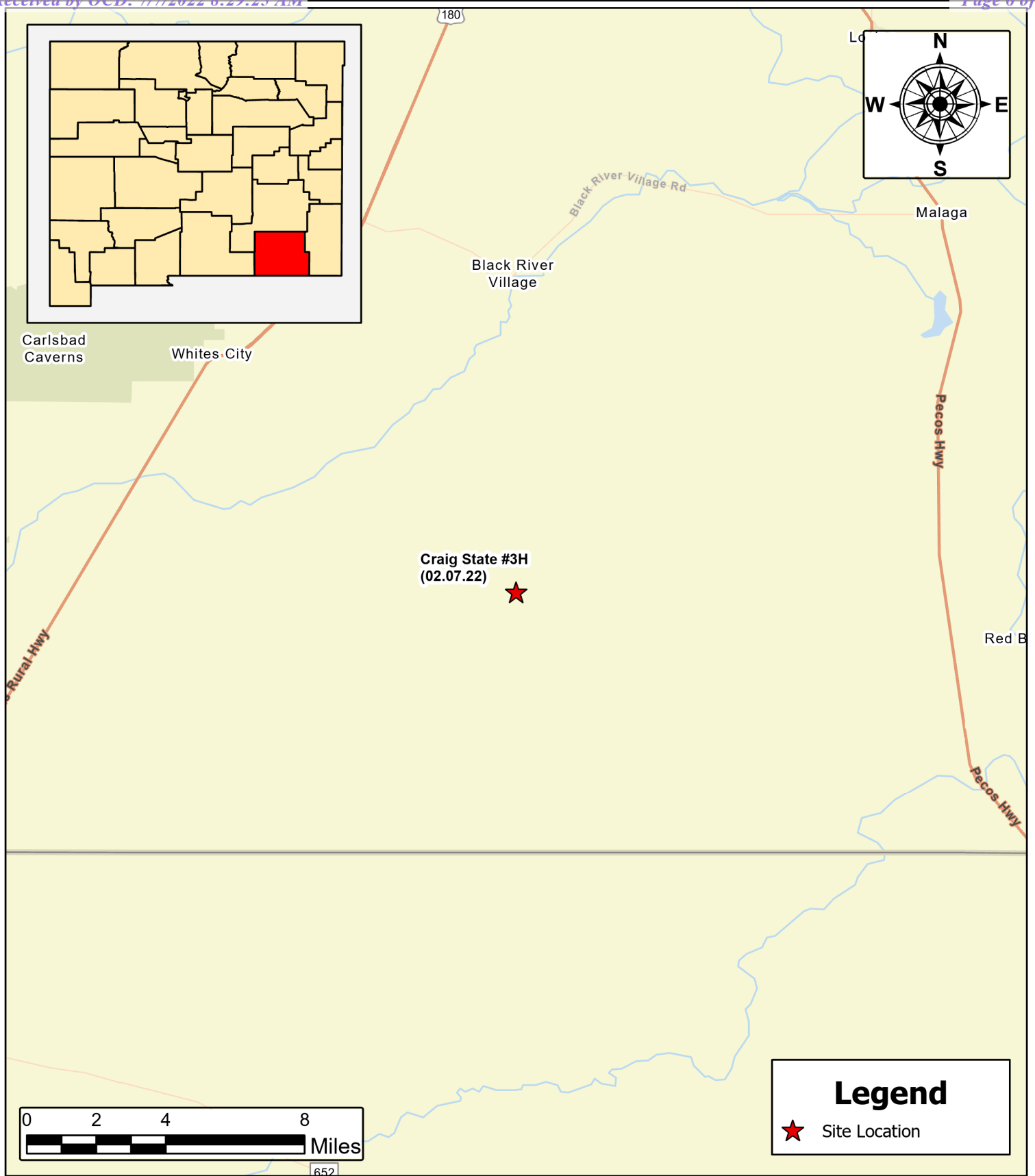
Clinton Merritt
Sr. Project Manager

310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992


FIGURES

CARMONA RESOURCES



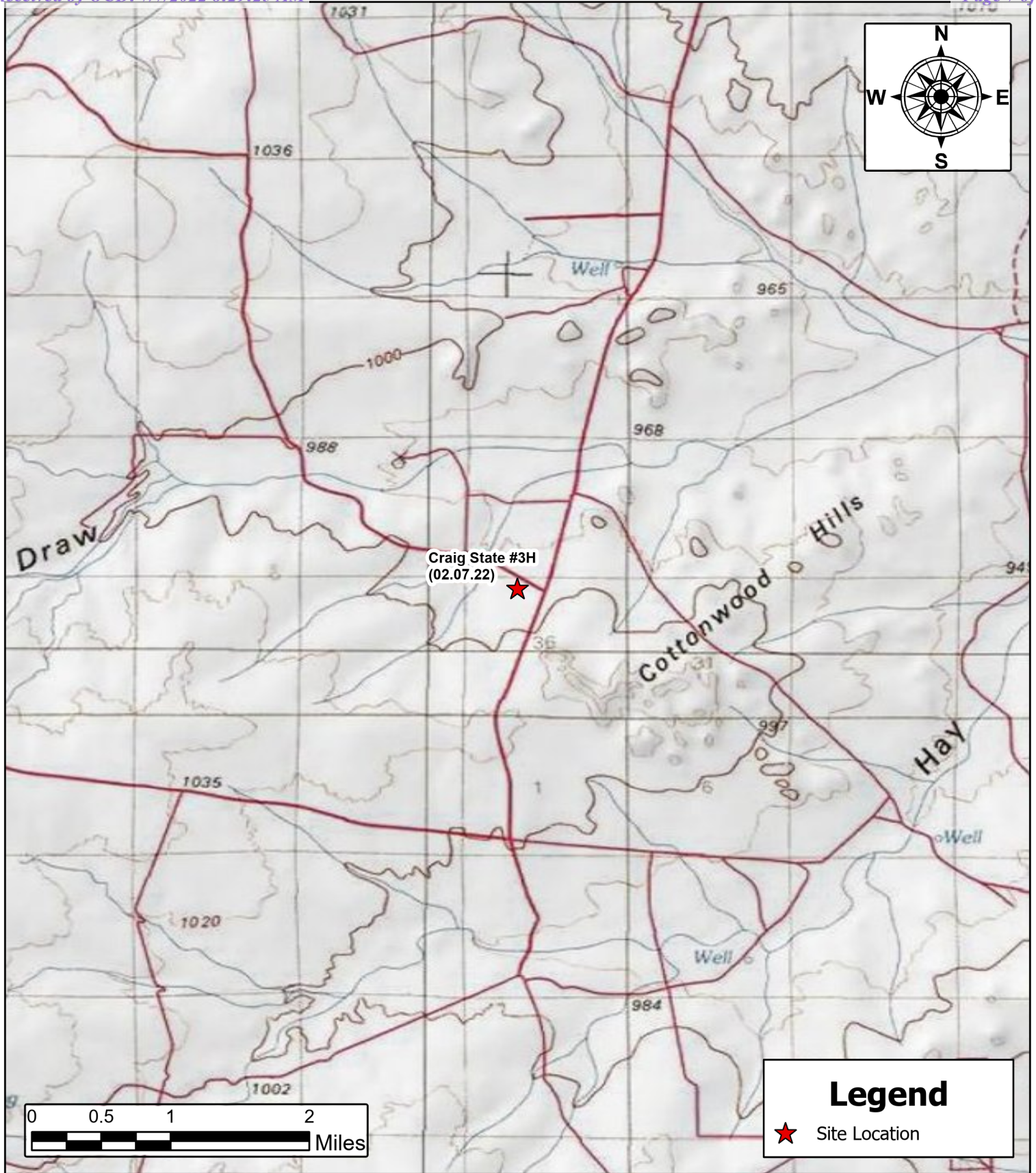


SITE LOCATION MAP COG OPERATING CRAIG STATE #3H (02.07.22) EDDY COUNTY, NEW MEXICO 32.092230 -104.249320	
SCALE: As Shown	Date: 4/1/2022


<p>CARMONA RESOURCES</p>  <p>Carmona Resources 310 West Wall Street, Suite 415 Midland, Texas 79701</p>

<p>NOTES:</p> <p>1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N</p>

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

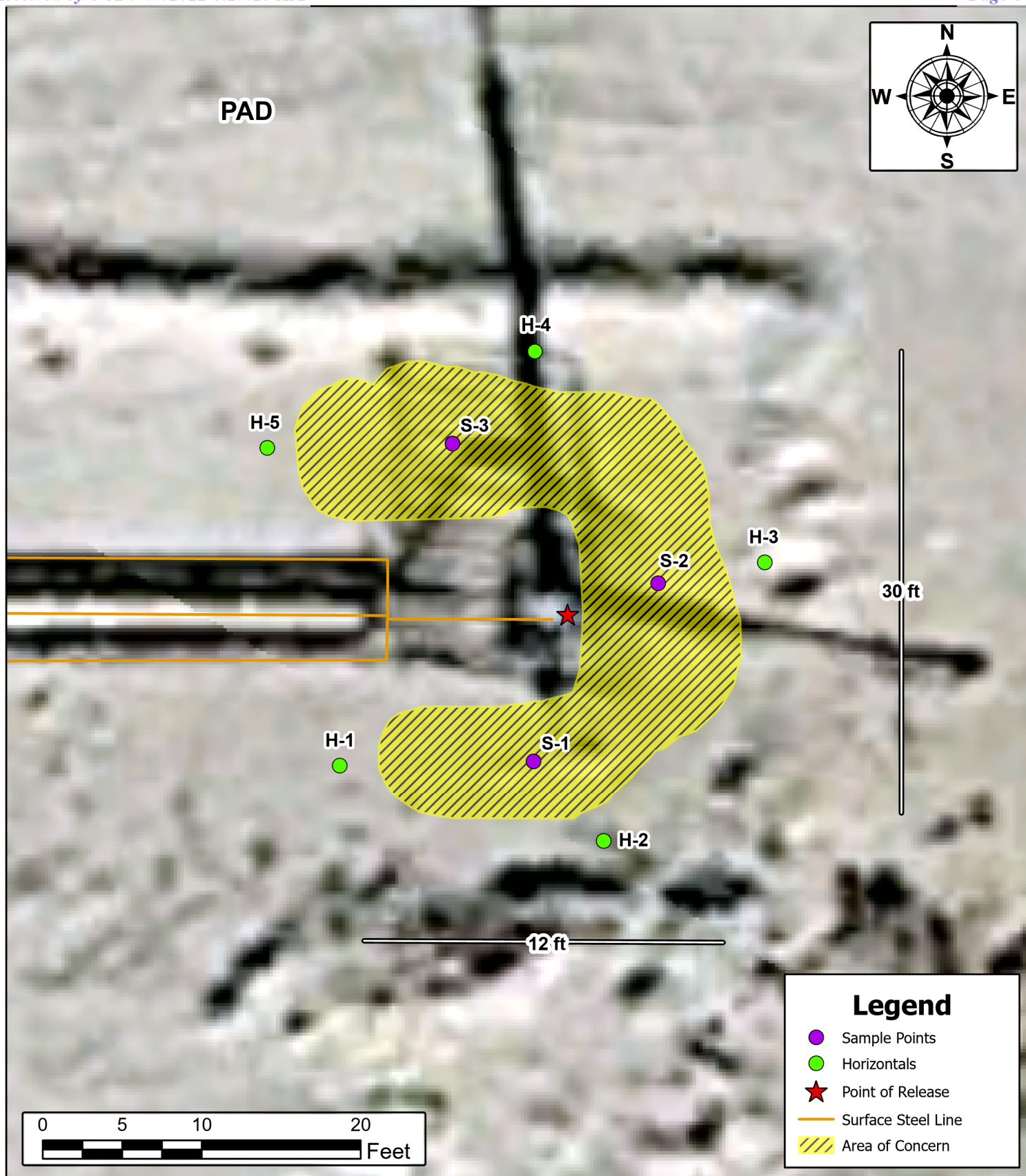


TOPOGRAPHIC MAP COG OPERATING CRAIG STATE #3H (02.07.22) EDDY COUNTY, NEW MEXICO 32.092230 -104.249320	
SCALE: As Shown	Date: 4/1/2022

 Carmona Resources 310 West Wall Street, Suite 415 Midland, Texas 79701
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NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1

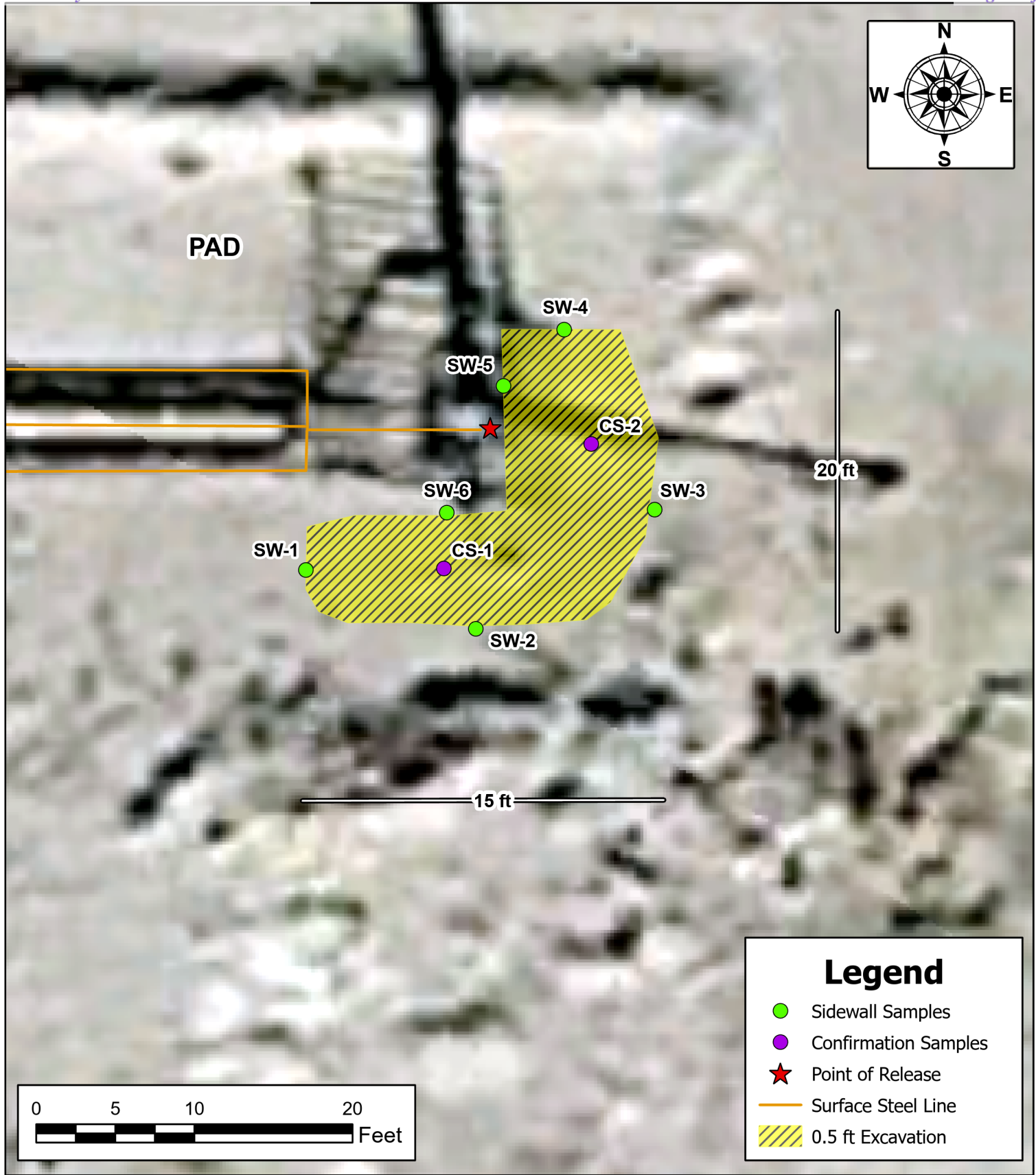


SAMPLE LOCATION MAP COG OPERATING CRAIG STATE #3H (02.07.22) EDDY COUNTY, NEW MEXICO 32.092230 -104.249320	
SCALE: As Shown	Date: 4/1/2022

 Carmona Resources 310 West Wall Street, Suite 415 Midland, Texas 79701
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NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1



EXCAVATION DEPTH MAP
COG OPERATING
CRAIG STATE #3H (02.07.22)
EDDY COUNTY, NEW MEXICO
32.092230 -104.249320

SCALE: As Shown Date: 4/1/2022

CARMONA RESOURCES

Carmona Resources
310 West Wall Street, Suite 415
Midland, Texas 79701

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 4

SHEET NUMBER:
1 of 1

APPENDIX A

CARMONA RESOURCES



Table 1
COG
Craig State #3H (02.07.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	3/8/2022	0 - 0.25	<49.8	1,020	279	1,300	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	547
	"	0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	29.5
S-2	3/8/2022	0 - 0.25	<49.9	2,610	539	3,150	<0.00200	0.00358	<0.00200	0.00541	0.00899	1,510
	"	0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	28.5
S-3	3/8/2022	0 - 0.25	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	417
	"	0.5	<50.0	72.3	<50.0	72.3	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	588
H-1	3/8/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	28.4
H-2	3/8/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	23.8
H-3	3/8/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	18.6
H-4	3/8/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	22.7
H-5	3/8/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	20.0
Regulatory Criteria ^A			100 mg/kg				10 mg/kg	-	-	-	50 mg/kg	600 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

(H) Horizontal


 Removed

Table 2
COG
Craig State #3H (02.07.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	3/29/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-2	3/29/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-1	3/29/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-2	3/29/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-3	3/29/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-4	3/29/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-5	3/29/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-6	3/29/2022	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 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

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Craig State #3H (02.07.22)

County: Eddy County, New Mexico

Description:

View Southwest of confirmation samples CS-1 and CS-2.



Photograph No. 2

Facility: Craig State #3H (02.07.22)

County: Eddy County, New Mexico

Description:

View Northwest of confirmation sample CS-1.



Photograph No. 3

Facility: Craig State #3H (02.07.22)

County: Eddy County, New Mexico

Description:

View Northeast of confirmation sample CS-1.



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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> 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 _____	Title: _____
Signature: <u>Battani Espinoza</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

L48 Spill Volume Estimate Form

Received by OCD: 7/7/2022 8:29:25 AM

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Facility Name & Number:	Craig State 3H
Asset Area:	
Release Discovery Date & Time:	2/7/2022
Release Type:	
Provide any known details about the event:	Failed valve

Spill Calculation - Subsurface Spill - Rectangle

Was the release on pad or off-pad?	See reference table below
Has it rained at least a half inch in the last 24 hours?	See reference table below

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	24.0	40.0	1.00	10.50%	14.240	1.495
Rectangle B					0.000	0.000
Rectangle C					0.000	0.000
Rectangle D					0.000	0.000
Rectangle E					0.000	0.000
Rectangle F					0.000	0.000
Rectangle G					0.000	0.000
Rectangle H					0.000	0.000
Rectangle I					0.000	0.000
Rectangle J					0.000	0.000

Released to Imaging: 7/20/2022 3:15:58 PM

Total Volume Release: 1.495

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: 5/2/22

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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: 5/2/22

email: _____ Telephone: _____

OCD Only

Received by: _____ 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: _____

Reply Reply all Forward Archive Delete Set flag ...

COG Craig State 003H (02.07.22) 48 Hour Sampling Notification



Mike Carmona <Mcarmona@carmonaresources.com>

8:17 AM

To: OCD.Enviro@state.nm.us Cc: Harris, Jacqui; Conner Moehring Bcc: Clint Merritt

Good morning,

On behalf of COG, Carmona Resources will be collecting confirmation samples at the below-referenced site for the at-risk remediation on 03/29/2022 at 3:30 p.m. Mountain Time. Please let me know if you have any questions.

Craig State 003H (02.07.22)
Incident # NAPP2205336907
32.09223 -104.24932
Eddy County, New Mexico

Mike J. Carmona
310 West Wall Street, Suite 415
Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com

CARMONA RESOURCES



APPENDIX D

CARMONA RESOURCES

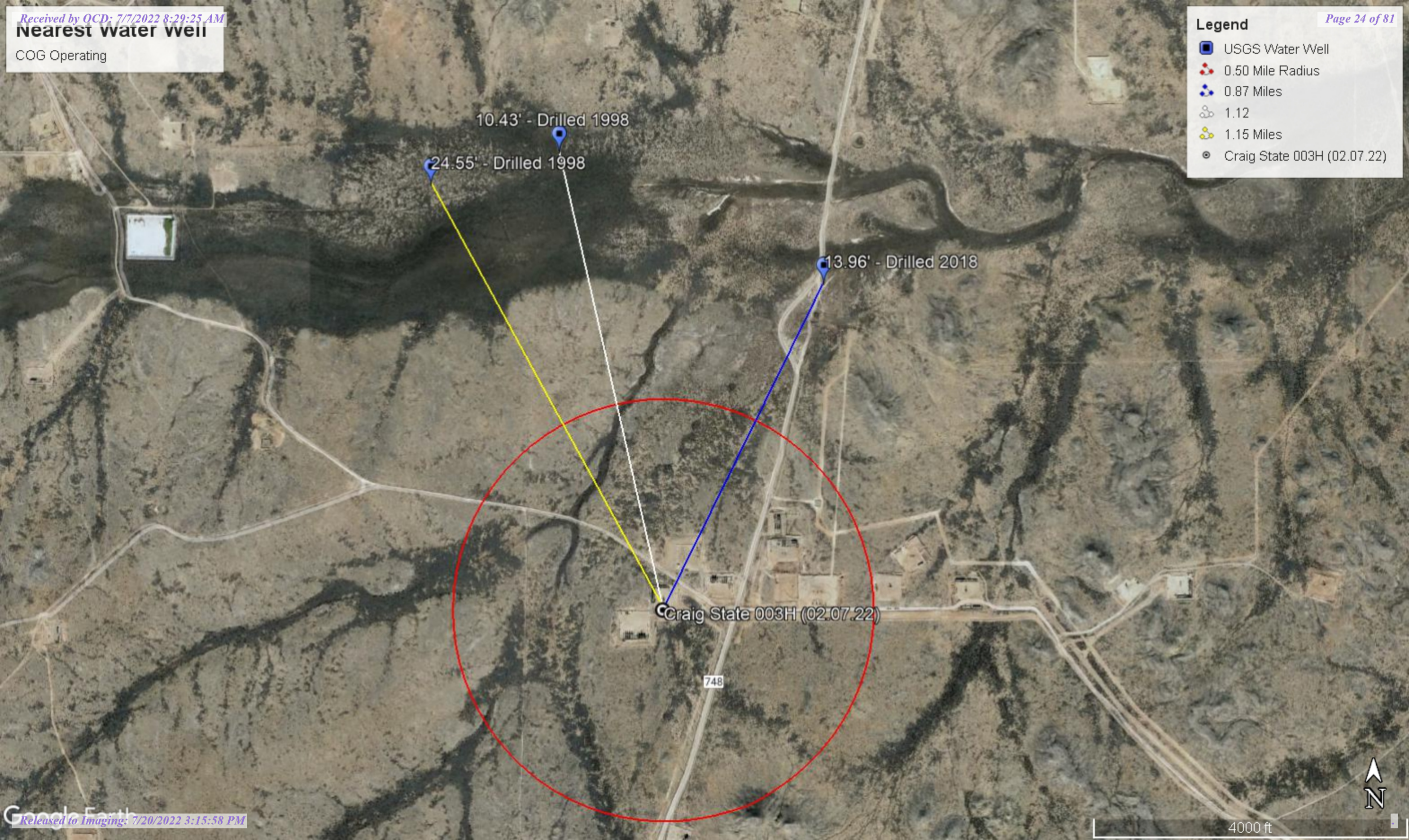


Nearest water well

COG Operating

Legend

- USGS Water Well
- 0.50 Mile Radius
- 0.87 Miles
- 1.12
- 1.15 Miles
- Craig State 003H (02.07.22)



MEDIUM KARST

COG Operating

Legend

- Craig State 003H (02.07.22)
- MEDIUM

Craig State 003H (02.07.22)

748



2000 ft



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	Depth Well	Depth Water	Water Column
C 01013	C	ED		4	25	25S	26E			571505	3551456*	245		
C 01089	C	ED		3	4	1	03	25S	26E	567505	3558398*	96	45	51
C 01368	C	ED		1	1	22	25S	26E		567261	3554059*	143	118	25
C 02220	CUB	ED		3	1	2	26	25S	26E	569598	3552352*	35		
C 02221	CUB	ED		4	3	2	25	25S	26E	571412	3551961*	35		
C 02675	C	ED		1	4	1	09	25S	26E	565907	3556978*	180	45	135
C 03258	C	ED		1	1	4	07	25S	26E	563073	3556546*	360		
C 03285	C	ED		4	4	2	07	25S	26E	563713	3556658	84	60	24
C 03569 POD1	CUB	ED		2	1	1	14	25S	26E	568862	3555746	30	0	30
C 03654 POD1	CUB	ED		2	3	1	24	25S	26E	570654	3553773			
C 03654 POD2	CUB	ED		2	3	1	24	25S	26E	554766	3562304			
C 03655 POD1	CUB	ED			4	22	25S	26E		550692	3561324			
C 03655 POD2	CUB	ED			4	22	25S	26E		550732	3561337			
C 03655 POD3	CUB	ED		1	4	4	22	25S	26E	568458	3553019			
C 03655 POD4	CUB	ED			4	22	25S	26E		550684	3561362			
C 04036 POD1	C	ED		1	4	3	06	25S	26E	562745	3557733	160	125	35
C 04049 POD1	CUB	ED		3	2	3	06	25S	26E	562592	3557864	165	120	45
C 04050 POD1	CUB	ED		1	4	3	06	25S	26E	562695	3557776	165	125	40
C 04329 POD1	C	ED		2	2	2	27	25S	26E	568577	3552567	57	14	43

Average Depth to Water: **72 feet**

Minimum Depth: **0 feet**

Maximum Depth: **125 feet**

Record Count: 19

PLSS Search:

Township: 25S

Range: 26E

*UTM location was derived from PLSS - see Help

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3/6/22 12:49 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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Data Category:
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Geographic Area:
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Agency code = usgs
site_no list =

- 320616104142801

Minimum number of levels = 1
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USGS 320616104142801 25S.26E.25.23231

Eddy County, New Mexico
Latitude 32°06'12.6", Longitude 104°14'33.9" NAD83
Land-surface elevation 3,188.60 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Castile Formation (312CSTL) 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
1978-01-25			D 62610		3184.39	NGVD29	1		Z	
1978-01-25			D 62611		3186.05	NAVD88	1		Z	
1978-01-25			D 72019	4.21			1		Z	
1983-02-01			D 62610		3185.96	NGVD29	1		Z	
1983-02-01			D 62611		3187.62	NAVD88	1		Z	
1983-02-01			D 72019	2.64			1		Z	
1987-10-08			D 62610		3185.63	NGVD29	1		Z	
1987-10-08			D 62611		3187.29	NAVD88	1		Z	
1987-10-08			D 72019	2.97			1		Z	
1992-11-04			D 62610		3186.55	NGVD29	1		S	
1992-11-04			D 62611		3188.21	NAVD88	1		S	
1992-11-04			D 72019	2.05			1		S	
1998-01-07			D 62610		3186.62	NGVD29	1		S	
1998-01-07			D 62611		3188.28	NAVD88	1		S	
1998-01-07			D 72019	1.98			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	? Status	? Method of measurement	? Measuring agency	? Source measu
2003-01-28			D	62610	3181.38	NGVD29	1	S	USGS	
2003-01-28			D	62611	3183.04	NAVD88	1	S	USGS	
2003-01-28			D	72019	7.22		1	S	USGS	
2013-01-09	22:45 UTC		m	62610	3177.78	NGVD29	1	S	USGS	
2013-01-09	22:45 UTC		m	62611	3179.44	NAVD88	1	S	USGS	
2013-01-09	22:45 UTC		m	72019	10.82		1	S	USGS	
2018-02-13	22:15 UTC		m	62610	3174.64	NGVD29	1	S	USGS	
2018-02-13	22:15 UTC		m	62611	3176.30	NAVD88	1	S	USGS	
2018-02-13	22:15 UTC		m	72019	13.96		1	S	USGS	

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
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
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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Title: Groundwater for New Mexico: Water Levels

URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320616104142801&agency_cd=USGS&format=html)Page Contact Information: [New Mexico Water Data Maintainer](#)

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Agency code = usgs

site_no list =

- 320629104151301

Minimum number of levels = 1

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USGS 320629104151301 25S.26E.26.22231

Eddy County, New Mexico

Latitude 32°06'29", Longitude 104°15'13" NAD27

Land-surface elevation 3,212 feet above NAVD88

The depth of the well is 16 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) 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 measur
1983-02-01			D 62610		3195.46	NGVD29	1		Z	
1983-02-01			D 62611		3197.12	NAVD88	1		Z	
1983-02-01			D 72019	14.88			1		Z	
1987-10-08			D 62610		3198.45	NGVD29	1		Z	
1987-10-08			D 62611		3200.11	NAVD88	1		Z	
1987-10-08			D 72019	11.89			1		Z	
1992-11-04			D 62610		3199.71	NGVD29	1		S	
1992-11-04			D 62611		3201.37	NAVD88	1		S	
1992-11-04			D 72019	10.63			1		S	
1998-01-07			D 62610		3199.91	NGVD29	1		S	
1998-01-07			D 62611		3201.57	NAVD88	1		S	
1998-01-07			D 72019	10.43			1		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
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320625104153201

Minimum number of levels = 1
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USGS 320625104153201 25S.26E.26.213213

Eddy County, New Mexico
Latitude 32°06'25", Longitude 104°15'32" NAD27
Land-surface elevation 3,219 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) 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
1983-02-01			D 62610		3199.04	NGVD29	1		Z	
1983-02-01			D 62611		3200.71	NAVD88	1		Z	
1983-02-01			D 72019	18.29			1		Z	
1987-10-08			D 62610		3202.18	NGVD29	1		Z	
1987-10-08			D 62611		3203.85	NAVD88	1		Z	
1987-10-08			D 72019	15.15			1		Z	
1992-11-04			D 62610		3202.16	NGVD29	1		S	
1992-11-04			D 62611		3203.83	NAVD88	1		S	
1992-11-04			D 72019	15.17			1		S	
1998-01-07			D 62610		3192.78	NGVD29	1		S	
1998-01-07			D 62611		3194.45	NAVD88	1		S	
1998-01-07			D 72019	24.55			1		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
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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APPENDIX E

CARMONA RESOURCES





Environment Testing
America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-12272-1

Client Project/Site: Craig State #3H (02.07.22)

For:

Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Conner Moehring

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/16/2022 8:37:27 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Laboratory Job ID: 880-12272-1

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Job ID: 880-12272-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-12272-1****Receipt**

The samples were received on 3/10/2022 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21012 and analytical batch 880-21440 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-21325 and analytical batch 880-21446 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28)

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Client Sample ID: S-1 (0-3")

Lab Sample ID: 880-12272-1

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 09:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 09:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 09:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/11/22 16:00	03/13/22 09:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 09:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/11/22 16:00	03/13/22 09:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	03/11/22 16:00	03/13/22 09:19	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/11/22 16:00	03/13/22 09:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/13/22 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1300		49.8		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/10/22 14:09	03/13/22 22:56	1
Diesel Range Organics (Over C10-C28)	1020	*1	49.8		mg/Kg		03/10/22 14:09	03/13/22 22:56	1
Oil Range Organics (Over C28-C36)	279		49.8		mg/Kg		03/10/22 14:09	03/13/22 22:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	03/10/22 14:09	03/13/22 22:56	1
o-Terphenyl	96		70 - 130	03/10/22 14:09	03/13/22 22:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	547		5.00		mg/Kg			03/15/22 16:31	1

Client Sample ID: S-1 (6")

Lab Sample ID: 880-12272-2

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/11/22 16:00	03/13/22 09:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/11/22 16:00	03/13/22 09:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/11/22 16:00	03/13/22 09:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/11/22 16:00	03/13/22 09:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/11/22 16:00	03/13/22 09:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/11/22 16:00	03/13/22 09:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/11/22 16:00	03/13/22 09:39	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/11/22 16:00	03/13/22 09:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Client Sample ID: S-1 (6")

Lab Sample ID: 880-12272-2

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/13/22 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 00:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/10/22 14:09	03/14/22 00:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 00:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				03/10/22 14:09	03/14/22 00:00	1
o-Terphenyl	87		70 - 130				03/10/22 14:09	03/14/22 00:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.5		4.95		mg/Kg			03/15/22 16:40	1

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-12272-3

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 10:00	1
Toluene	0.00358		0.00200		mg/Kg		03/11/22 16:00	03/13/22 10:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 10:00	1
m-Xylene & p-Xylene	0.00541		0.00401		mg/Kg		03/11/22 16:00	03/13/22 10:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 10:00	1
Xylenes, Total	0.00541		0.00401		mg/Kg		03/11/22 16:00	03/13/22 10:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				03/11/22 16:00	03/13/22 10:00	1
1,4-Difluorobenzene (Surr)	104		70 - 130				03/11/22 16:00	03/13/22 10:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00899		0.00401		mg/Kg			03/13/22 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3150		49.9		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/10/22 14:09	03/14/22 00:20	1
Diesel Range Organics (Over C10-C28)	2610	*1	49.9		mg/Kg		03/10/22 14:09	03/14/22 00:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-12272-3

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	539		49.9		mg/Kg		03/10/22 14:09	03/14/22 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				03/10/22 14:09	03/14/22 00:20	1
o-Terphenyl	96		70 - 130				03/10/22 14:09	03/14/22 00:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1510		5.05		mg/Kg			03/15/22 16:49	1

Client Sample ID: S-2 (6")

Lab Sample ID: 880-12272-4

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 10:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 10:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 10:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/11/22 16:00	03/13/22 10:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 10:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/11/22 16:00	03/13/22 10:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				03/11/22 16:00	03/13/22 10:20	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/11/22 16:00	03/13/22 10:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/13/22 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/10/22 14:09	03/14/22 00:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		03/10/22 14:09	03/14/22 00:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/10/22 14:09	03/14/22 00:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				03/10/22 14:09	03/14/22 00:41	1
o-Terphenyl	110		70 - 130				03/10/22 14:09	03/14/22 00:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.5		4.97		mg/Kg			03/15/22 16:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-12272-5

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 10:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 10:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 10:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/11/22 16:00	03/13/22 10:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 10:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/11/22 16:00	03/13/22 10:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/11/22 16:00	03/13/22 10:41	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/11/22 16:00	03/13/22 10:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/13/22 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 01:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/10/22 14:09	03/14/22 01:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 01:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	03/10/22 14:09	03/14/22 01:01	1
o-Terphenyl	103		70 - 130	03/10/22 14:09	03/14/22 01:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	417		24.8		mg/Kg			03/15/22 03:53	5

Client Sample ID: S-3 (6")

Lab Sample ID: 880-12272-6

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/11/22 16:00	03/13/22 12:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/11/22 16:00	03/13/22 12:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/11/22 16:00	03/13/22 12:48	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/11/22 16:00	03/13/22 12:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/11/22 16:00	03/13/22 12:48	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/11/22 16:00	03/13/22 12:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/11/22 16:00	03/13/22 12:48	1
1,4-Difluorobenzene (Surr)	98		70 - 130	03/11/22 16:00	03/13/22 12:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Client Sample ID: S-3 (6")

Lab Sample ID: 880-12272-6

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/13/22 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	72.3		50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 01:21	1
Diesel Range Organics (Over C10-C28)	72.3	*1	50.0		mg/Kg		03/10/22 14:09	03/14/22 01:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 01:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/10/22 14:09	03/14/22 01:21	1
o-Terphenyl	90		70 - 130				03/10/22 14:09	03/14/22 01:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	588		24.9		mg/Kg			03/15/22 04:02	5

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-12272-7

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/11/22 16:00	03/13/22 13:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/11/22 16:00	03/13/22 13:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/11/22 16:00	03/13/22 13:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/11/22 16:00	03/13/22 13:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/11/22 16:00	03/13/22 13:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/11/22 16:00	03/13/22 13:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				03/11/22 16:00	03/13/22 13:08	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/11/22 16:00	03/13/22 13:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/13/22 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/10/22 14:09	03/14/22 01:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/10/22 14:09	03/14/22 01:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-12272-7

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 14:09	03/14/22 01:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				03/10/22 14:09	03/14/22 01:42	1
o-Terphenyl	101		70 - 130				03/10/22 14:09	03/14/22 01:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.4		4.98		mg/Kg			03/15/22 17:07	1

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-12272-8

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/11/22 16:00	03/13/22 13:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/11/22 16:00	03/13/22 13:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/11/22 16:00	03/13/22 13:29	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/11/22 16:00	03/13/22 13:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/11/22 16:00	03/13/22 13:29	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/11/22 16:00	03/13/22 13:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				03/11/22 16:00	03/13/22 13:29	1
1,4-Difluorobenzene (Surr)	97		70 - 130				03/11/22 16:00	03/13/22 13:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/13/22 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 02:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/10/22 14:09	03/14/22 02:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 02:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/10/22 14:09	03/14/22 02:03	1
o-Terphenyl	95		70 - 130				03/10/22 14:09	03/14/22 02:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.8		5.00		mg/Kg			03/15/22 17:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-12272-9

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/11/22 16:00	03/13/22 13:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/11/22 16:00	03/13/22 13:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/11/22 16:00	03/13/22 13:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/11/22 16:00	03/13/22 13:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/11/22 16:00	03/13/22 13:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/11/22 16:00	03/13/22 13:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/11/22 16:00	03/13/22 13:49	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/11/22 16:00	03/13/22 13:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/13/22 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 02:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/10/22 14:09	03/14/22 02:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 02:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	03/10/22 14:09	03/14/22 02:22	1
o-Terphenyl	108		70 - 130	03/10/22 14:09	03/14/22 02:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.6		4.99		mg/Kg			03/15/22 17:24	1

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-12272-10

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/11/22 16:00	03/13/22 14:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/11/22 16:00	03/13/22 14:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/11/22 16:00	03/13/22 14:10	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/11/22 16:00	03/13/22 14:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/11/22 16:00	03/13/22 14:10	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/11/22 16:00	03/13/22 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	03/11/22 16:00	03/13/22 14:10	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/11/22 16:00	03/13/22 14:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-12272-10

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			03/13/22 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/10/22 14:09	03/14/22 02:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/10/22 14:09	03/14/22 02:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 14:09	03/14/22 02:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				03/10/22 14:09	03/14/22 02:44	1
o-Terphenyl	99		70 - 130				03/10/22 14:09	03/14/22 02:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.7		5.04		mg/Kg			03/15/22 17:33	1

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-12272-11

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 14:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 14:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 14:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/11/22 16:00	03/13/22 14:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 14:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/11/22 16:00	03/13/22 14:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				03/11/22 16:00	03/13/22 14:30	1
1,4-Difluorobenzene (Surr)	102		70 - 130				03/11/22 16:00	03/13/22 14:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/13/22 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 03:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/10/22 14:09	03/14/22 03:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-12272-11

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 03:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	03/10/22 14:09	03/14/22 03:24	1
o-Terphenyl	100		70 - 130	03/10/22 14:09	03/14/22 03:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.0		5.00		mg/Kg			03/15/22 18:17	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-12272-1	S-1 (0-3")	99	95
880-12272-2	S-1 (6")	106	99
880-12272-3	S-2 (0-3")	101	104
880-12272-4	S-2 (6")	124	100
880-12272-5	S-3 (0-3")	112	93
880-12272-6	S-3 (6")	105	98
880-12272-7	H-1 (0-6")	92	101
880-12272-8	H-2 (0-6")	112	97
880-12272-9	H-3 (0-6")	103	103
880-12272-10	H-4 (0-6")	110	102
880-12272-11	H-5 (0-6")	107	102
880-12320-A-1-C MS	Matrix Spike	97	93
880-12320-A-1-D MSD	Matrix Spike Duplicate	113	95
LCS 880-21012/1-A	Lab Control Sample	96	99
LCSD 880-21012/2-A	Lab Control Sample Dup	102	103
MB 880-21012/5-A	Method Blank	95	100
MB 880-21147/5-A	Method Blank	98	101
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-12272-1	S-1 (0-3")	100	96
880-12272-1 MS	S-1 (0-3")	91	78
880-12272-1 MSD	S-1 (0-3")	97	80
880-12272-2	S-1 (6")	96	87
880-12272-3	S-2 (0-3")	100	96
880-12272-4	S-2 (6")	110	110
880-12272-5	S-3 (0-3")	105	103
880-12272-6	S-3 (6")	97	90
880-12272-7	H-1 (0-6")	105	101
880-12272-8	H-2 (0-6")	97	95
880-12272-9	H-3 (0-6")	110	108
880-12272-10	H-4 (0-6")	107	99
880-12272-11	H-5 (0-6")	105	100
LCS 880-21325/2-A	Lab Control Sample	101	94
LCSD 880-21325/3-A	Lab Control Sample Dup	120	125
MB 880-21325/1-A	Method Blank	109	109
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-21012/5-A

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21012

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/11/22 16:00	03/13/22 07:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	03/11/22 16:00	03/13/22 07:08	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/11/22 16:00	03/13/22 07:08	1

Lab Sample ID: LCS 880-21012/1-A

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21012

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1029		mg/Kg		103	70 - 130
Toluene	0.100	0.09638		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09439		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.2215		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1084		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-21012/2-A

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21012

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1032		mg/Kg		103	70 - 130	0	35
Toluene	0.100	0.09620		mg/Kg		96	70 - 130	0	35
Ethylbenzene	0.100	0.09577		mg/Kg		96	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2264		mg/Kg		113	70 - 130	2	35
o-Xylene	0.100	0.1121		mg/Kg		112	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-12320-A-1-C MS

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21012

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F2 F1	0.100	0.02577	F1	mg/Kg		26	70 - 130
Toluene	<0.00200	U F2 F1	0.100	0.02797	F1	mg/Kg		27	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

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

Lab Sample ID: 880-12320-A-1-C MS

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21012

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F2 F1	0.100	0.03070	F1	mg/Kg		31	70 - 130
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.06364	F1	mg/Kg		32	70 - 130
o-Xylene	<0.00200	U F2 F1	0.100	0.03648	F1	mg/Kg		36	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-12320-A-1-D MSD

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21012

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.0992	0.01113	F2 F1	mg/Kg		11	70 - 130	79	35
Toluene	<0.00200	U F2 F1	0.0992	0.01231	F2 F1	mg/Kg		12	70 - 130	78	35
Ethylbenzene	<0.00200	U F2 F1	0.0992	0.01345	F2 F1	mg/Kg		14	70 - 130	78	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.198	0.02928	F2 F1	mg/Kg		15	70 - 130	74	35
o-Xylene	<0.00200	U F2 F1	0.0992	0.01813	F2 F1	mg/Kg		18	70 - 130	67	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-21147/5-A

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21147

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/22 16:00	03/12/22 18:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/22 16:00	03/12/22 18:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/22 16:00	03/12/22 18:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/10/22 16:00	03/12/22 18:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/22 16:00	03/12/22 18:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/10/22 16:00	03/12/22 18:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	03/10/22 16:00	03/12/22 18:32	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/10/22 16:00	03/12/22 18:32	1

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

Lab Sample ID: MB 880-21325/1-A

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/13/22 21:50	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

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

Lab Sample ID: MB 880-21325/1-A

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/13/22 21:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/13/22 21:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/10/22 14:09	03/13/22 21:50	1
o-Terphenyl	109		70 - 130				03/10/22 14:09	03/13/22 21:50	1

Lab Sample ID: LCS 880-21325/2-A

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21325

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	826.9		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	872.1		mg/Kg		87	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	101		70 - 130				
o-Terphenyl	94		70 - 130				

Lab Sample ID: LCSD 880-21325/3-A

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21325

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	959.8		mg/Kg		96	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	1163	*1	mg/Kg		116	70 - 130	29	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	120		70 - 130						
o-Terphenyl	125		70 - 130						

Lab Sample ID: 880-12272-1 MS

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: S-1 (0-3")

Prep Type: Total/NA

Prep Batch: 21325

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1206		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)	1020	*1	998	1990		mg/Kg		97	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	91		70 - 130						
o-Terphenyl	78		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

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

Lab Sample ID: 880-12272-1 MSD

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: S-1 (0-3")

Prep Type: Total/NA

Prep Batch: 21325

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1256		mg/Kg		124	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1020	*1	998	2087		mg/Kg		107	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	80		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-21305/1-A

Matrix: Solid

Analysis Batch: 21618

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/15/22 02:07	1

Lab Sample ID: LCS 880-21305/2-A

Matrix: Solid

Analysis Batch: 21618

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	248.8		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-21305/3-A

Matrix: Solid

Analysis Batch: 21618

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	242.7		mg/Kg		97	90 - 110	2	20

Lab Sample ID: 880-12272-10 MS

Matrix: Solid

Analysis Batch: 21618

Client Sample ID: H-4 (0-6")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	22.7		252	261.0		mg/Kg		95	90 - 110

Lab Sample ID: 880-12272-10 MSD

Matrix: Solid

Analysis Batch: 21618

Client Sample ID: H-4 (0-6")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	22.7		252	257.3		mg/Kg		93	90 - 110	1	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-12272-1

Project/Site: Craig State #3H (02.07.22)

GC VOA

Prep Batch: 21012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12272-1	S-1 (0-3")	Total/NA	Solid	5035	
880-12272-2	S-1 (6")	Total/NA	Solid	5035	
880-12272-3	S-2 (0-3")	Total/NA	Solid	5035	
880-12272-4	S-2 (6")	Total/NA	Solid	5035	
880-12272-5	S-3 (0-3")	Total/NA	Solid	5035	
880-12272-6	S-3 (6")	Total/NA	Solid	5035	
880-12272-7	H-1 (0-6")	Total/NA	Solid	5035	
880-12272-8	H-2 (0-6")	Total/NA	Solid	5035	
880-12272-9	H-3 (0-6")	Total/NA	Solid	5035	
880-12272-10	H-4 (0-6")	Total/NA	Solid	5035	
880-12272-11	H-5 (0-6")	Total/NA	Solid	5035	
MB 880-21012/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21012/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21012/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12320-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-12320-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 21147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-21147/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 21440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12272-1	S-1 (0-3")	Total/NA	Solid	8021B	21012
880-12272-2	S-1 (6")	Total/NA	Solid	8021B	21012
880-12272-3	S-2 (0-3")	Total/NA	Solid	8021B	21012
880-12272-4	S-2 (6")	Total/NA	Solid	8021B	21012
880-12272-5	S-3 (0-3")	Total/NA	Solid	8021B	21012
880-12272-6	S-3 (6")	Total/NA	Solid	8021B	21012
880-12272-7	H-1 (0-6")	Total/NA	Solid	8021B	21012
880-12272-8	H-2 (0-6")	Total/NA	Solid	8021B	21012
880-12272-9	H-3 (0-6")	Total/NA	Solid	8021B	21012
880-12272-10	H-4 (0-6")	Total/NA	Solid	8021B	21012
880-12272-11	H-5 (0-6")	Total/NA	Solid	8021B	21012
MB 880-21012/5-A	Method Blank	Total/NA	Solid	8021B	21012
MB 880-21147/5-A	Method Blank	Total/NA	Solid	8021B	21147
LCS 880-21012/1-A	Lab Control Sample	Total/NA	Solid	8021B	21012
LCSD 880-21012/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21012
880-12320-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	21012
880-12320-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21012

Analysis Batch: 21454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12272-1	S-1 (0-3")	Total/NA	Solid	Total BTEX	
880-12272-2	S-1 (6")	Total/NA	Solid	Total BTEX	
880-12272-3	S-2 (0-3")	Total/NA	Solid	Total BTEX	
880-12272-4	S-2 (6")	Total/NA	Solid	Total BTEX	
880-12272-5	S-3 (0-3")	Total/NA	Solid	Total BTEX	
880-12272-6	S-3 (6")	Total/NA	Solid	Total BTEX	
880-12272-7	H-1 (0-6")	Total/NA	Solid	Total BTEX	
880-12272-8	H-2 (0-6")	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

GC VOA (Continued)

Analysis Batch: 21454 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12272-9	H-3 (0-6")	Total/NA	Solid	Total BTEX	
880-12272-10	H-4 (0-6")	Total/NA	Solid	Total BTEX	
880-12272-11	H-5 (0-6")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 21325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12272-1	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-12272-2	S-1 (6")	Total/NA	Solid	8015NM Prep	
880-12272-3	S-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-12272-4	S-2 (6")	Total/NA	Solid	8015NM Prep	
880-12272-5	S-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-12272-6	S-3 (6")	Total/NA	Solid	8015NM Prep	
880-12272-7	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-12272-8	H-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-12272-9	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-12272-10	H-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-12272-11	H-5 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-21325/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21325/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12272-1 MS	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-12272-1 MSD	S-1 (0-3")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 21446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12272-1	S-1 (0-3")	Total/NA	Solid	8015B NM	21325
880-12272-2	S-1 (6")	Total/NA	Solid	8015B NM	21325
880-12272-3	S-2 (0-3")	Total/NA	Solid	8015B NM	21325
880-12272-4	S-2 (6")	Total/NA	Solid	8015B NM	21325
880-12272-5	S-3 (0-3")	Total/NA	Solid	8015B NM	21325
880-12272-6	S-3 (6")	Total/NA	Solid	8015B NM	21325
880-12272-7	H-1 (0-6")	Total/NA	Solid	8015B NM	21325
880-12272-8	H-2 (0-6")	Total/NA	Solid	8015B NM	21325
880-12272-9	H-3 (0-6")	Total/NA	Solid	8015B NM	21325
880-12272-10	H-4 (0-6")	Total/NA	Solid	8015B NM	21325
880-12272-11	H-5 (0-6")	Total/NA	Solid	8015B NM	21325
MB 880-21325/1-A	Method Blank	Total/NA	Solid	8015B NM	21325
LCS 880-21325/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21325
LCSD 880-21325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21325
880-12272-1 MS	S-1 (0-3")	Total/NA	Solid	8015B NM	21325
880-12272-1 MSD	S-1 (0-3")	Total/NA	Solid	8015B NM	21325

Analysis Batch: 21479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12272-1	S-1 (0-3")	Total/NA	Solid	8015 NM	
880-12272-2	S-1 (6")	Total/NA	Solid	8015 NM	
880-12272-3	S-2 (0-3")	Total/NA	Solid	8015 NM	
880-12272-4	S-2 (6")	Total/NA	Solid	8015 NM	
880-12272-5	S-3 (0-3")	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

GC Semi VOA (Continued)

Analysis Batch: 21479 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12272-6	S-3 (6")	Total/NA	Solid	8015 NM	
880-12272-7	H-1 (0-6")	Total/NA	Solid	8015 NM	
880-12272-8	H-2 (0-6")	Total/NA	Solid	8015 NM	
880-12272-9	H-3 (0-6")	Total/NA	Solid	8015 NM	
880-12272-10	H-4 (0-6")	Total/NA	Solid	8015 NM	
880-12272-11	H-5 (0-6")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 21305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12272-1	S-1 (0-3")	Soluble	Solid	DI Leach	
880-12272-2	S-1 (6")	Soluble	Solid	DI Leach	
880-12272-3	S-2 (0-3")	Soluble	Solid	DI Leach	
880-12272-4	S-2 (6")	Soluble	Solid	DI Leach	
880-12272-5	S-3 (0-3")	Soluble	Solid	DI Leach	
880-12272-6	S-3 (6")	Soluble	Solid	DI Leach	
880-12272-7	H-1 (0-6")	Soluble	Solid	DI Leach	
880-12272-8	H-2 (0-6")	Soluble	Solid	DI Leach	
880-12272-9	H-3 (0-6")	Soluble	Solid	DI Leach	
880-12272-10	H-4 (0-6")	Soluble	Solid	DI Leach	
880-12272-11	H-5 (0-6")	Soluble	Solid	DI Leach	
MB 880-21305/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21305/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21305/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12272-10 MS	H-4 (0-6")	Soluble	Solid	DI Leach	
880-12272-10 MSD	H-4 (0-6")	Soluble	Solid	DI Leach	

Analysis Batch: 21618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12272-1	S-1 (0-3")	Soluble	Solid	300.0	21305
880-12272-2	S-1 (6")	Soluble	Solid	300.0	21305
880-12272-3	S-2 (0-3")	Soluble	Solid	300.0	21305
880-12272-4	S-2 (6")	Soluble	Solid	300.0	21305
880-12272-5	S-3 (0-3")	Soluble	Solid	300.0	21305
880-12272-6	S-3 (6")	Soluble	Solid	300.0	21305
880-12272-7	H-1 (0-6")	Soluble	Solid	300.0	21305
880-12272-8	H-2 (0-6")	Soluble	Solid	300.0	21305
880-12272-9	H-3 (0-6")	Soluble	Solid	300.0	21305
880-12272-10	H-4 (0-6")	Soluble	Solid	300.0	21305
880-12272-11	H-5 (0-6")	Soluble	Solid	300.0	21305
MB 880-21305/1-A	Method Blank	Soluble	Solid	300.0	21305
LCS 880-21305/2-A	Lab Control Sample	Soluble	Solid	300.0	21305
LCSD 880-21305/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21305
880-12272-10 MS	H-4 (0-6")	Soluble	Solid	300.0	21305
880-12272-10 MSD	H-4 (0-6")	Soluble	Solid	300.0	21305

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Client Sample ID: S-1 (0-3")

Lab Sample ID: 880-12272-1

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21012	03/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 09:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21454	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21479	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 22:56	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			21618	03/15/22 16:31	CH	XEN MID

Client Sample ID: S-1 (6")

Lab Sample ID: 880-12272-2

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	21012	03/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 09:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21454	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21479	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 00:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			21618	03/15/22 16:40	CH	XEN MID

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-12272-3

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21012	03/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 10:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21454	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21479	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 00:20	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			21618	03/15/22 16:49	CH	XEN MID

Client Sample ID: S-2 (6")

Lab Sample ID: 880-12272-4

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21012	03/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 10:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21454	03/13/22 12:01	MR	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Client Sample ID: S-2 (6")

Lab Sample ID: 880-12272-4

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21479	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 00:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			21618	03/15/22 16:58	CH	XEN MID

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-12272-5

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21012	03/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 10:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21454	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21479	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 01:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		5			21618	03/15/22 03:53	CH	XEN MID

Client Sample ID: S-3 (6")

Lab Sample ID: 880-12272-6

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	21012	03/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 12:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21454	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21479	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 01:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		5			21618	03/15/22 04:02	CH	XEN MID

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-12272-7

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	21012	03/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 13:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21454	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21479	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 01:42	AJ	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-12272-7

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			21618	03/15/22 17:07	CH	XEN MID

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-12272-8

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	21012	03/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 13:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21454	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21479	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 02:03	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			21618	03/15/22 17:15	CH	XEN MID

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-12272-9

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21012	03/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 13:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21454	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21479	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 02:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			21618	03/15/22 17:24	CH	XEN MID

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-12272-10

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	21012	03/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 14:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21454	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21479	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 02:44	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			21618	03/15/22 17:33	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Client Sample ID: H-5 (0-6")
Date Collected: 03/08/22 00:00
Date Received: 03/10/22 10:15

Lab Sample ID: 880-12272-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21012	03/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 14:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21454	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21479	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 03:24	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			21618	03/15/22 18:17	CH	XEN MID

Laboratory References:
XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Craig State #3H (02.07.22)

Job ID: 880-12272-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-12272-1	S-1 (0-3")	Solid	03/08/22 00:00	03/10/22 10:15
880-12272-2	S-1 (6")	Solid	03/08/22 00:00	03/10/22 10:15
880-12272-3	S-2 (0-3")	Solid	03/08/22 00:00	03/10/22 10:15
880-12272-4	S-2 (6")	Solid	03/08/22 00:00	03/10/22 10:15
880-12272-5	S-3 (0-3")	Solid	03/08/22 00:00	03/10/22 10:15
880-12272-6	S-3 (6")	Solid	03/08/22 00:00	03/10/22 10:15
880-12272-7	H-1 (0-6")	Solid	03/08/22 00:00	03/10/22 10:15
880-12272-8	H-2 (0-6")	Solid	03/08/22 00:00	03/10/22 10:15
880-12272-9	H-3 (0-6")	Solid	03/08/22 00:00	03/10/22 10:15
880-12272-10	H-4 (0-6")	Solid	03/08/22 00:00	03/10/22 10:15
880-12272-11	H-5 (0-6")	Solid	03/08/22 00:00	03/10/22 10:15

Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 West Wall Ste 415	Address	15 W Loving Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving, NM 88256
Phone	432-813-6823	Email	jacquiharris@conocophillips.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other	

Work Order No: 12272

Page 1 of 2

Project Name	Craig State #3H (02 07 22)	Turn Around		ANALYSIS REQUEST										Preservative Codes				
Project Number	1022	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush													None NO	DI Water- H ₂ O		
Project Location	Eddy Co. NM	Due Date	72Hrs												Cool Cool	MeOH Me		
Sampler's Name	CRM	TAT starts the day received by the lab, if received by 4 30pm													HCL HC	HNO ₃ HN		
PO #															H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT															HOLD			
Received Intact.	Taped Blank. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature							
Cooler Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A																
Sample Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A																
Total Containers																		
Sample Identification				Date	Time	Soil	Water	Grab/ Comp	# of Cont								Sample Comments	
S-1 (0-3")				3/8/2022		X		G	1	X	X	X						
S-1 (6")				3/8/2022		X		G	1	X	X	X						
S-2 (0-3")				3/8/2022		X		G	1	X	X	X						
S-2 (6")				3/8/2022		X		G	1	X	X	X						
S-3 (0-3")				3/8/2022		X		G	1	X	X	X						
S-3 (6")				3/8/2022		X		G	1	X	X	X						
H-1 (0-6")				3/8/2022		X		G	1	X	X	X						
H-2 (0-6")				3/8/2022		X		G	1	X	X	X						
H-3 (0-6")				3/8/2022		X		G	1	X	X	X						
H-4 (0-6")				3/8/2022		X		G	1	X	X	X						

Additoinal Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$8 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Brian W. [Signature]</i>	<i>[Signature]</i>	3/10/22 10:15			

Project Manager		Comer Moehring		Bill to: (if different)		Jacqui Harris		Work Order Comments																	
Company Name		Carmora Resources		Company Name		COG		Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund																	
Address		310 West Wall Ste 415		Address		15 W Loving Rd		State of Project:																	
City, State ZIP		Midland, TX 79701		City, State ZIP		Loving, NM 88256		Reporting Level: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>																	
Phone		432-813-6823		Email		jacquiharris@conocophillips.com		Deliverables: <input type="checkbox"/> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other																	
Project Name		Craig State #3H (02 07 22)		Turn Around		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code		ANALYSIS REQUEST															
Project Number		1022		Due Date		72 Hrs																			
Project Location		Eddy Co, NM		TAT starts the day received by the lab if received by 4 30pm																					
Sampler's Name		CRM																							
PO #																									
SAMPLE RECEIPT		Temp Blank		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																	
Received Intact		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID		IPB																			
Cooler Custody Seals		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor																					
Sample Custody Seals		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading		11																			
Total Containers		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Corrected Temperature		60																			
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont		BTEX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 300 0		HOLD		Preservative Codes			
H-5 (0-6")		3/8/2022				X				G		1		X		X		X						None NO DI Water H ₂ O	
																								Cool Cool MeOH Me	
																								HCL HC HNO ₃ HN	
																								H ₂ SO ₄ H ₂ NaOH Na	
																								H ₃ PO ₄ HP	
																								NaHSO ₄ NABIS	
																								Na ₂ S ₂ O ₃ NaSO ₃	
																								Zn Acetate+NaOH Zn	
																								NaOH+Ascorbic Acid SAPC	
																								Sample Comments	

Work Order No: 12272

Page 2 of 2

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-12272-1

Login Number: 12272

List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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

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

March 30, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: CRAIG STATE #3H

Enclosed are the results of analyses for samples received by the laboratory on 03/29/22 14:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

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

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
310 W WALL ST SUITE 415
MIDLAND TX, 79701

Project: CRAIG STATE #3H
Project Number: 1022 (02.07.22)
Project Manager: CONNER MOEHRING
Fax To:

Reported:
30-Mar-22 14:35

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 1 (0.5')	H221243-01	Soil	29-Mar-22 00:00	29-Mar-22 14:03
CS - 2 (0.5')	H221243-02	Soil	29-Mar-22 00:00	29-Mar-22 14:03
SW - 1 (0.5')	H221243-03	Soil	29-Mar-22 00:00	29-Mar-22 14:03
SW - 2 (0.5')	H221243-04	Soil	29-Mar-22 00:00	29-Mar-22 14:03
SW - 3 (0.5')	H221243-05	Soil	29-Mar-22 00:00	29-Mar-22 14:03
SW - 4 (0.5')	H221243-06	Soil	29-Mar-22 00:00	29-Mar-22 14:03
SW - 5 (0.5')	H221243-07	Soil	29-Mar-22 00:00	29-Mar-22 14:03
SW - 6 (0.5')	H221243-08	Soil	29-Mar-22 00:00	29-Mar-22 14:03

03/30/22 - A lab error was made in the sample ID for -08. This is the revised report and will replace the one sent earlier today, 03/30/22.

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
310 W WALL ST SUITE 415
MIDLAND TX, 79701

Project: CRAIG STATE #3H
Project Number: 1022 (02.07.22)
Project Manager: CONNER MOEHRING
Fax To:

Reported:
30-Mar-22 14:35

CS - 1 (0.5')**H221243-01 (Soil)**

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	2033020	GM	30-Mar-22	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2032915	MS	29-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140 2032915 MS 29-Mar-22 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	

Surrogate: 1-Chlorooctane 95.2 % 66.9-136 2032832 MS 29-Mar-22 8015B

Surrogate: 1-Chlorooctadecane 100 % 59.5-142 2032832 MS 29-Mar-22 8015B

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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
310 W WALL ST SUITE 415
MIDLAND TX, 79701

Project: CRAIG STATE #3H
Project Number: 1022 (02.07.22)
Project Manager: CONNER MOEHRING
Fax To:

Reported:
30-Mar-22 14:35

CS - 2 (0.5')

H221243-02 (Soil)

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

Chloride	32.0		16.0	mg/kg	4	2033021	GM	30-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2032915	MS	29-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	69.9-140		2032915	MS	29-Mar-22	8021B	
---------------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	

Surrogate: 1-Chlorooctane			86.1 %	66.9-136		2032832	MS	29-Mar-22	8015B	
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Surrogate: 1-Chlorooctadecane			91.7 %	59.5-142		2032832	MS	29-Mar-22	8015B	
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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
310 W WALL ST SUITE 415
MIDLAND TX, 79701

Project: CRAIG STATE #3H
Project Number: 1022 (02.07.22)
Project Manager: CONNER MOEHRING
Fax To:

Reported:
30-Mar-22 14:35

SW - 1 (0.5')**H221243-03 (Soil)**

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

Chloride	32.0		16.0	mg/kg	4	2033021	GM	30-Mar-22	4500-Cl-B	
----------	------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2032915	MS	29-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140 2032915 MS 29-Mar-22 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	

Surrogate: 1-Chlorooctane 90.2 % 66.9-136 2032832 MS 29-Mar-22 8015B

Surrogate: 1-Chlorooctadecane 92.4 % 59.5-142 2032832 MS 29-Mar-22 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
310 W WALL ST SUITE 415
MIDLAND TX, 79701

Project: CRAIG STATE #3H
Project Number: 1022 (02.07.22)
Project Manager: CONNER MOEHRING
Fax To:

Reported:
30-Mar-22 14:35

SW - 2 (0.5')**H221243-04 (Soil)**

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

Chloride	48.0		16.0	mg/kg	4	2033021	GM	30-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2032915	MS	29-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	69.9-140		2032915	MS	29-Mar-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	

Surrogate: 1-Chlorooctane			87.7 %	66.9-136		2032832	MS	29-Mar-22	8015B	
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Surrogate: 1-Chlorooctadecane			87.7 %	59.5-142		2032832	MS	29-Mar-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
310 W WALL ST SUITE 415
MIDLAND TX, 79701

Project: CRAIG STATE #3H
Project Number: 1022 (02.07.22)
Project Manager: CONNER MOEHRING
Fax To:

Reported:
30-Mar-22 14:35

SW - 3 (0.5')**H221243-05 (Soil)**

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

Chloride	32.0		16.0	mg/kg	4	2033021	GM	30-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2032915	MS	29-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140 2032915 MS 29-Mar-22 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	

Surrogate: 1-Chlorooctane 84.3 % 66.9-136 2032832 MS 29-Mar-22 8015B

Surrogate: 1-Chlorooctadecane 85.1 % 59.5-142 2032832 MS 29-Mar-22 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
310 W WALL ST SUITE 415
MIDLAND TX, 79701

Project: CRAIG STATE #3H
Project Number: 1022 (02.07.22)
Project Manager: CONNER MOEHRING
Fax To:

Reported:
30-Mar-22 14:35

SW - 4 (0.5')**H221243-06 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	2033021	GM	30-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2032915	MS	29-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	69.9-140		2032915	MS	29-Mar-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	

Surrogate: 1-Chlorooctane			91.0 %	66.9-136		2032832	MS	29-Mar-22	8015B	
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Surrogate: 1-Chlorooctadecane			93.2 %	59.5-142		2032832	MS	29-Mar-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
310 W WALL ST SUITE 415
MIDLAND TX, 79701

Project: CRAIG STATE #3H
Project Number: 1022 (02.07.22)
Project Manager: CONNER MOEHRING
Fax To:

Reported:
30-Mar-22 14:35

SW - 5 (0.5')**H221243-07 (Soil)**

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

Chloride	16.0		16.0	mg/kg	4	2033021	GM	30-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2032915	MS	29-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140 2032915 MS 29-Mar-22 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	

Surrogate: 1-Chlorooctane 93.7 % 66.9-136 2032832 MS 29-Mar-22 8015B

Surrogate: 1-Chlorooctadecane 94.3 % 59.5-142 2032832 MS 29-Mar-22 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
310 W WALL ST SUITE 415
MIDLAND TX, 79701

Project: CRAIG STATE #3H
Project Number: 1022 (02.07.22)
Project Manager: CONNER MOEHRING
Fax To:

Reported:
30-Mar-22 14:35

SW - 6 (0.5')**H221243-08 (Soil)**

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

Chloride	32.0		16.0	mg/kg	4	2033021	GM	30-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2032915	MS	29-Mar-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2032915	MS	29-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	69.9-140		2032915	MS	29-Mar-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	

Surrogate: 1-Chlorooctane			80.9 %	66.9-136		2032832	MS	29-Mar-22	8015B	
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Surrogate: 1-Chlorooctadecane			82.6 %	59.5-142		2032832	MS	29-Mar-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
310 W WALL ST SUITE 415
MIDLAND TX, 79701

Project: CRAIG STATE #3H
Project Number: 1022 (02.07.22)
Project Manager: CONNER MOEHRING
Fax To:

Reported:
30-Mar-22 14:35

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 2033020 - 1:4 DI Water**Blank (2033020-BLK1)**

Prepared & Analyzed: 30-Mar-22

Chloride	ND	16.0	mg/kg						
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LCS (2033020-BS1)

Prepared & Analyzed: 30-Mar-22

Chloride	416	16.0	mg/kg	400	104	80-120			
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LCS Dup (2033020-BSD1)

Prepared & Analyzed: 30-Mar-22

Chloride	416	16.0	mg/kg	400	104	80-120	0.00	20	
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Batch 2033021 - 1:4 DI Water**Blank (2033021-BLK1)**

Prepared & Analyzed: 30-Mar-22

Chloride	ND	16.0	mg/kg						
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LCS (2033021-BS1)

Prepared & Analyzed: 30-Mar-22

Chloride	416	16.0	mg/kg	400	104	80-120			
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LCS Dup (2033021-BSD1)

Prepared & Analyzed: 30-Mar-22

Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20	
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Analytical Results For:

CARMONA RESOURCES
310 W WALL ST SUITE 415
MIDLAND TX, 79701

Project: CRAIG STATE #3H
Project Number: 1022 (02.07.22)
Project Manager: CONNER MOEHRING
Fax To:

Reported:
30-Mar-22 14:35

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032915 - Volatiles**Blank (2032915-BLK1)**

Prepared & Analyzed: 29-Mar-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500		104	69.9-140			

LCS (2032915-BS1)

Prepared & Analyzed: 29-Mar-22

Benzene	2.05	0.050	mg/kg	2.00		102	83.4-122			
Toluene	2.04	0.050	mg/kg	2.00		102	84.2-126			
Ethylbenzene	1.94	0.050	mg/kg	2.00		97.0	84.2-121			
m,p-Xylene	4.06	0.100	mg/kg	4.00		102	89.9-126			
o-Xylene	1.96	0.050	mg/kg	2.00		98.1	84.3-123			
Total Xylenes	6.02	0.150	mg/kg	6.00		100	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		98.9	69.9-140			

LCS Dup (2032915-BS1)

Prepared & Analyzed: 29-Mar-22

Benzene	2.17	0.050	mg/kg	2.00		108	83.4-122	5.67	12.6	
Toluene	2.16	0.050	mg/kg	2.00		108	84.2-126	5.95	13.3	
Ethylbenzene	2.07	0.050	mg/kg	2.00		103	84.2-121	6.28	13.9	
m,p-Xylene	4.33	0.100	mg/kg	4.00		108	89.9-126	6.45	13.6	
o-Xylene	2.08	0.050	mg/kg	2.00		104	84.3-123	5.76	14.1	
Total Xylenes	6.41	0.150	mg/kg	6.00		107	89.1-124	6.23	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0505		mg/kg	0.0500		101	69.9-140			

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Analytical Results For:

CARMONA RESOURCES
310 W WALL ST SUITE 415
MIDLAND TX, 79701

Project: CRAIG STATE #3H
Project Number: 1022 (02.07.22)
Project Manager: CONNER MOEHRING
Fax To:

Reported:
30-Mar-22 14:35

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032832 - General Prep - Organics**Blank (2032832-BLK1)**

Prepared: 28-Mar-22 Analyzed: 29-Mar-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	49.9		mg/kg	50.0		99.9	66.9-136			
Surrogate: 1-Chlorooctadecane	52.3		mg/kg	50.0		105	59.5-142			

LCS (2032832-BS1)

Prepared: 28-Mar-22 Analyzed: 29-Mar-22

GRO C6-C10	187	10.0	mg/kg	200		93.6	78.5-128			
DRO >C10-C28	187	10.0	mg/kg	200		93.6	75.8-135			
Total TPH C6-C28	374	10.0	mg/kg	400		93.6	81.5-127			
Surrogate: 1-Chlorooctane	50.3		mg/kg	50.0		101	66.9-136			
Surrogate: 1-Chlorooctadecane	53.9		mg/kg	50.0		108	59.5-142			

LCS Dup (2032832-BS1)

Prepared: 28-Mar-22 Analyzed: 29-Mar-22

GRO C6-C10	198	10.0	mg/kg	200		98.8	78.5-128	5.39	21.4	
DRO >C10-C28	196	10.0	mg/kg	200		97.9	75.8-135	4.45	17.9	
Total TPH C6-C28	393	10.0	mg/kg	400		98.3	81.5-127	4.92	17.6	
Surrogate: 1-Chlorooctane	51.1		mg/kg	50.0		102	66.9-136			
Surrogate: 1-Chlorooctadecane	55.4		mg/kg	50.0		111	59.5-142			

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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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: H281243-1-8

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> JRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

ANALYSIS REQUEST						PRESERVATIVE CODES													
Project Name:		Craig State #3H (02.07.22)	Turn Around		Pres. Code	None: NO	DI Water: H ₂ O												
Project Number:	1022	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush																	
Project Location	Eddy Co, NM	Due Date:	24 hrs																
Sampler's Name:	CCM	TAT starts the day received by the lab, if received by 4:30pm																	
PO #:																			
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	(Yes) No	H ₃ PO ₄ : HP													
Received Intact:	Yes No	Thermometer ID:	#113			NH ₄ SO ₄ : NABIS													
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.5°C			Na ₂ S ₂ O ₃ : NaSO ₃													
Sample Custody Seals:	Yes No N/A	Temperature Reading:	10.78°			Zn Acetate+NaOH: Zn													
Total Containers:		Corrected Temperature:	10.28°			NaOH+Ascorbic Acid: SAPC													
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont								Sample Comments		
CS-1 (0.5')				3/29/2022		X		Comp	1	X	X	X							
CS-2 (0.5')				3/29/2022		X		Comp	1	X	X	X							
SW-1 (0.5')				3/29/2022		X		Comp	1	X	X	X							
SW-2 (0.5')				3/29/2022		X		Comp	1	X	X	X							
SW-3 (0.5')				3/29/2022		X		Comp	1	X	X	X							
SW-4 (0.5')				3/29/2022		X		Comp	1	X	X	X							
SW-5 (0.5')				3/29/2022		X		Comp	1	X	X	X							
SW-6 (0.5')				3/29/2022		X		Comp	1	X	X	X							

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. The client shall be responsible for the safekeeping of all samples submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		3/29/22 1403			

Revised Date 05/01/2020 Rev. 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: 5/2/22

email: _____ Telephone: _____

OCD Only

Received by: Robert Hamlet Date: 7/20/2022

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

Closure Approved by: Robert Hamlet Date: 7/20/2022

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 123353

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 123353
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2205336907 CRAIG STATE 003H, thank you. This closure is approved.	7/20/2022