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	nAPP2130930832
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Marathon Oil Permian LLC	OGRID 372098
Contact Name Melodie Sanjari	Contact Telephone 575-988-8753
Contact email msanjari@marathonoil.com	Incident # *(assigned by OCD)*
Contact mailing address 4111 S. Tidwell Rd., Carlsbad, NM 8220	

Location of Release Source

Latitude 32.31677158 Longitude -104.2018314
(NAD 83 in decimal degrees to 5 decimal places)

Site Name CYPRESS FEE 23 27 9 #002H	Site Type Oil & Gas Facility
Date Release Discovered: 11/4/2021	API# *(if applicable) 30-015-44374*

Unit Letter	Section	Township	Range	County
L	09	23S	27E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 105	Volume Recovered (bbls) 105
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Report of a leaking flange gasket on the main water header on the Cypress pad was reported to the Marathon Oil Control Room. An operator was dispatched and the source of the release was isolated. The entire release foot print remained and the pad and a nearby trucks were dispatched to recovery all standing fluid immediately to prevent vertical migration through the caliche. A one call has also been placed to conduct a surficial scrape of the area so any impending weather does not cause horizontal migration of the impact prior to the initial characterization sampling event next week. A remediation closure report will be submitted within 90 days.

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Volume
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, NOR was submitted to NM OCD the morning of 11/5/21	

Initial Response

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

☒ The source of the release has been stopped.

☒ The impacted area has been secured to protect human health and the environment.

☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: Melodie Sanjari Title: Environmental Professional

Signature: Melodie Sanjari Date: 11/5/2021

email: msanjari@marathonoil.com Telephone: 575-988-8753

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2130930832
District RP	
Facility ID	
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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?	51-100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2130930832
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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: Melodie Sanjari Title: Environmental Professional

Signature: Melodie Sanjari Date: 3/1/2022

email: msanjari@marathonoil.com Telephone: 575-988-8753

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2130930832
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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: Melodie Sanjari Title: Environmental Professional

Signature: Melodie Sanjari Date: 3/31/2022

email: msanjari@marathonoil.com Telephone: 575-988-8753

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: Jennifer Nobui Date: 03/31/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

Atkins ENGINEERING ASSOCIATES INC.
2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

March 24, 2022

Melodie Sanjari
Environmental Professional
Permian & Oklahoma
575-988-8753
4111 S. Tidwell Rd., Carlsbad, NM 8220

SUBJECT: Remediation Closure Report for the Cypress Fee 23 27 9 #002H Release Id: (nAPP2130930832), Eddy County, New Mexico

Dear Ms. Sanjari,

Atkins Engineering Associates (Atkins) has prepared this Remediation Closure Report that describes the remediation of a release of liquids related to oil and gas production activities at the Cypress Fee 23 27 9 #002H. The site is in Unit L, Section 9, Township 23S, Range 27E, Eddy County, New Mexico, on private land. Figure 1 illustrates the vicinity and site location on an USGS 7.5-minute quadrangle map.

Table 1 summarizes release information and Closure Criteria.

Table 1: Release Information and Closure Criteria

Name	Cypress Fee 23 27 9 #002H	Company	Matador Resources
API Number	30-015-44374	Location	32.31677158 -104.2018314
Incident Number	nAPP2130930832		
Estimated Date of Release	11/4/2021	Date Reported to NMOCD	11/4/2021
Land Owner	Fee	Reported To	NMOCD District I
Source of Release	Failure at the meter run		
Released Volume	105 bbls	Released Material	Produced Water
Recovered Volume	105 bbls	Net Release	0 bbls
NMOCD Closure Criteria	51-100 feet to groundwater		
Response Dates	11/11/2021 12/9/2021 1/17/2022 2/14/2022		

1.0 Release Background

On November 4, 2021, a release was discovered at the Cypress Fee 23 27 9 #002H due to a leaking flange gasket on the main water header on the Cypress pad. An operator was dispatched, and the source of the release was isolated immediately. Initial response activities were conducted by the operator, and included source elimination by means of repair and a initial scrape of affected soils. Figures 1 and 2 illustrate the vicinity and site location, Figure 3 illustrates the release location. The C-141 forms are included in Appendix A.

2.0 Site Information and Closure Criteria

The Cypress Fee 23 27 9 #002H is located just south of Carlsbad, New Mexico on privately-owned land at an elevation of approximately 3152 feet above mean sea level (amsl).

Based upon the New Mexico Office of the State Engineers (NMOSE) online water well database, (Appendix B), depth to groundwater in the area is estimated to be 195 feet below grade surface (bgs). There are no known water sources within ½-mile of the location, according to the NMOSE database. (https://gis.ose.state.nm.us/gisapps/ose_pod_locations/; accessed 12/8/2021). The nearest significant watercourse is the South Canal, located approximately 780 feet north of the location. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of between 51-100 feet bgs. The site has been restored to meet the standards of Table I of 19.15.29.12 NMAC.

Table 2 demonstrates the Closure Criteria applicable to this location. Pertinent well data is attached in Appendix B.

3.0 Release Characterization and Remediation Activities

On November 11, 2021, Atkins personnel arrived on site in response to the release associated with Cypress Fee 23 27 #9 . Atkins performed site delineation activities by collecting soil samples around the release site and throughout the visibly stained area. Soil samples were field-screened for chloride using an electrical conductivity (EC) meter.

A total of 3 sample locations (S1, L2 and L3) were investigated using excavated test pits, to depths up to 7 feet bgs. A delineation samples were collected at each sampling location and field-screened using the method above. A total of 10 samples were collected for laboratory analysis for total chloride using EPA Method 300.0.

Atkins returned to the site to oversee portions of the excavation of contaminated soil. ATKINS guided the excavation activities by collecting soil samples for field screening. The walls and base were excavated until field screening results indicated that the NMOCD Closure Criteria would be met.

On December 9, 2021 Atkins began conducting confirmation sampling of the walls and base of the excavation. The areas around sidewall sample locations SW1, SW2 and bottomhole location S5,L5 and L8 were found to below the closure criteria according to field EC. L4 could not be further delineated or excavated because of its unsafe proximity to an active underground utility. After giving the division 48 hour notice on February 14, 2022 Atkins conducted the closure sample event consisting of SW1-SW8 and BH1-BH5 in both excavated areas.

The confirmation samples were collected from within the excavation in accordance NMOCD guidance. Confirmation samples were comprised of five-point composites of the excavation. Lab analysis showed that all sample locations were below NMOCD requirements. No further excavation was required.

A total of 39 samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range

organics (MRO, DRO, and GRO) by EPA Method 8015D. Laboratory samples were collected in accordance with the sampling protocol included in Appendix C. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Hall Environmental Analysis Laboratory in Albuquerque, and Envirotech Laboratory in Farmington, New Mexico (Appendix D).

Figure 3 shows the extent of the excavation and sample locations. All laboratory results are summarized in Table 3 and are under required action levels and therefore, Adkins requests closure for incident nAPP2130930832. Laboratory reports are included in Appendix D.

4.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation; and preparing this closure report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact Austin Weyant at 575-626-3993

Submitted by:

J. Austin Weyant
Senior Scientist

ATTACHMENTS:

Figures:

Figure 1: Vicinity and Well Head Protection Map
Figure 2: Surface Water Radius Map
Figure 3: Site and Sample Location Map

Tables:

Table 2: NMOCD Closure Criteria Justification
Table 3: Summary of Sample Results

Appendices:

Appendix A: Form C141
Appendix B: Groundwater determination
Appendix C: Laboratory Analytical Reports
Appendix D: Open Excavation Photo Log

FIGURES

FIGURE 1- Hydrology Setbacks Cypress

LEGEND

- Release Point
- Lakes_Playas
- Springs_Seeps
- Streams_Canals
- Flowlines_SENM
- FEMA_Flood_Zones_2011
- TankFarm_500Buffer

N

0 40 80 160

Scale: 1:1,000 Feet

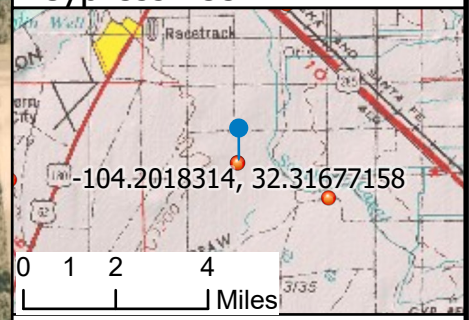
Cypress Fee 23 27 #9 002H

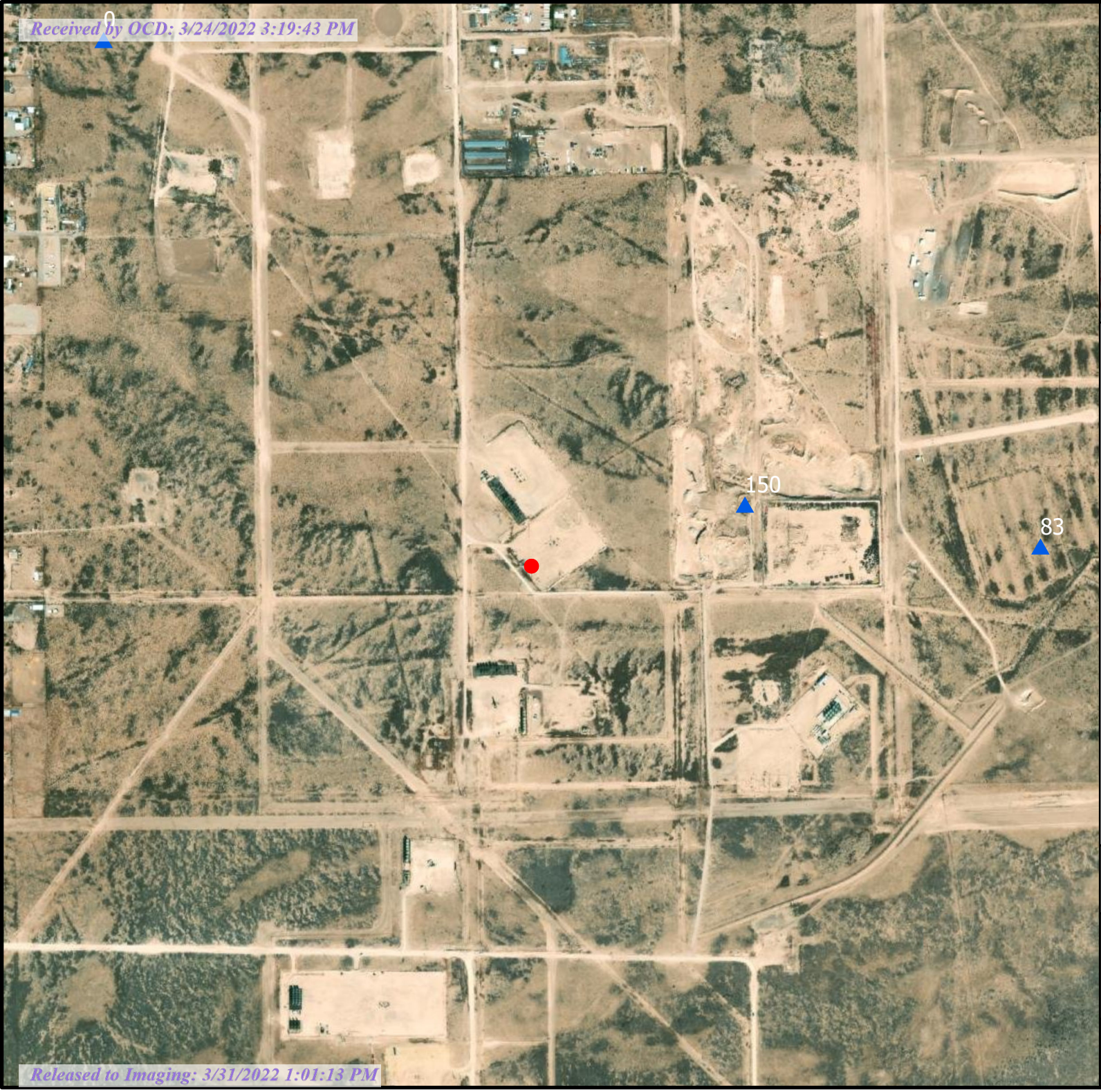
DRAWN LCM

DATE DRAWN: 1/21/2022 REVIEW JAW

Atkins ENGINEERING ASSOCIATES

FIGURE 2-
Karst and NMOSE PODs
Cypress Fee





LEGEND

BLM Karst Potential

- High
- Low
- Medium
- Release Point
- OSE_Points_of_Diversion

N

0 420 840 1,680

Scale: 1:10,000 Feet

Cypress Fee 23 27 9 #002H

JOB No. mmx>env.21

DATE FIELD: 1/07/2022 DRAWN LCM

DATE DRAWN: 1/21/2022 REVIEW JAW

Atkins ENGINEERING ASSOCIATES

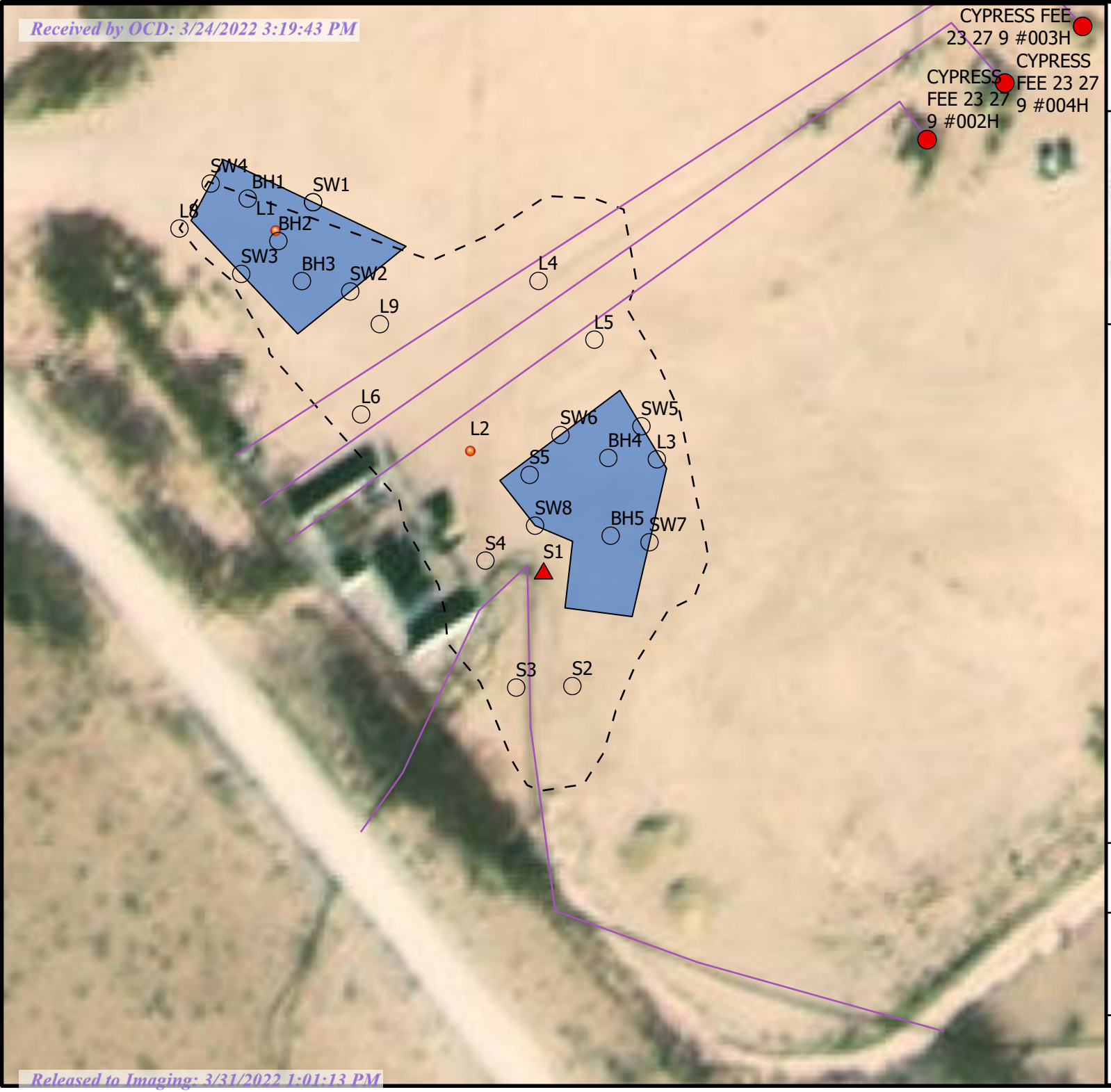


FIGURE 3 Sample Map Cypress Fee

LEGEND

- Sample Location
- Excavation Area
- Apx. Release Area
- WellGIS
- Release Point
- Closure Sample Location
- Pipeline

N

0 20 40 80

Scale: 1:500 Feet

JOB No. cypress_env_21

DATE FIELD: 11/11/21 DRAWN JAW

DATE DRAWN: 2/28/2022 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

TABLES

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	50-100	NMOSE
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	>300	USGS
Hortizontal Distance to Nearest Significant Watercourse (ft)	800	USGS

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater		**Closure Criteria (units in mg/kg)**				
		Chloride *numerical limit or background, whichever is greater	**TPH**	**GRO + DRO**	**BTEX**	**Benzene**
< 50' BGS		600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water	**yes or no**	**if yes, then**				
<300' from continuously flowing watercourse or other significant watercourse?	no	600	100		50	10
<200' from lakebed, sinkhole or playa lake?	no					
Water Well or Water Source						
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	no					
<1000' from fresh water well or spring?	no					
Human and Other Areas						
<300' from an occupied permanent residence, school, hospital, institution or church?	no					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	no					
<100' from wetland?	no					
within area overlying a subsurface mine	no					
within an unstable area?	no					
within a 100-year floodplain?	no					

Table 3:
Summary of Sample Results

MRO
Cypress

Sample ID	Sample Date	Depth (feet bgs)	Proposed Action/ Action Taken	GRO mg/Kg	DRO mg/Kg	MRO mg/Kg	**Total TPH** mg/Kg	Cl- mg/Kg
NMOCD Closure Criteria							100	600
SW1	2/14/2022	0.5	insitu	<20	<25	<50	<95	69.5
SW2	2/14/2022	0.5	insitu	<20	<25	<50	<95	87.5
SW3	2/14/2022	0.5	insitu	<20	<25	<50	<95	26.6
SW4	2/14/2022	0.5	insitu	<20	<25	<50	<95	38
SW5	2/14/2022	1.5	insitu	<20	<25	<50	<95	223
SW6	2/14/2022	1.5	insitu	<20	<25	<50	<95	230
SW7	2/14/2022	1.5	insitu	<20	<25	<50	<95	<20
SW8	2/14/2022	1.5	insitu	<20	<25	<50	<95	181
BH1	2/14/2022	1	insitu	<20	<25	<50	<95	87.3
BH2	2/14/2022	1	insitu	<20	<25	<50	<95	<20
BH3	2/14/2022	2	insitu	<20	<25	<50	<95	62.7
BH4	2/14/2022	2	insitu	<20	<25	<50	<95	167
BH5	2/14/2022	2	insitu	<20	<25	<50	<95	256
S1	11/11/2021	0.5	insitu	<4.6	<9.2	<46	<59	540
S1	11/11/2021	1	insitu	<4.6	<9.2	<46	<59	120
S1	11/11/2021	2	insitu	<4.6	<9.2	<46	<59	200
S1	11/11/2021	3	insitu	<4.6	<9.2	<46	<59	88
S1	11/11/2021	7	insitu	<4.6	<9.2	<46	<59	140
S-SW1	12/9/2022	0.5	excavated	<4.9	<9.6	<48	<59	800
S-SW1	1/17/2022	1	insitu	<20.0	64.4	<50.0	64.4	242
S-SW2	12/9/2022	0.5	excavated	<4.8	<9.7	<48	<59	3200
S-SW2	1/17/2022	1	insitu	<20.0	66	<50.0	66	272
S-3	12/9/2022	0.5	excavated	<4.6	<9.2	<46	<59	2600
S-3	1/17/2022	1	insitu	<20.0	76.1	<50.0	76.1	287
S-5	12/9/2021	1	excavated	<4.6	<9.2	<46	<59	640
S-5	1/17/2022	1.5	insitu	<20.0	62.8	<50.0	62.8	293
L1	11/11/2021	0.5	excavated	<4.6	<9.2	<46	<59	980
L1	11/11/2021	1	insitu	<4.6	<9.2	<46	<59	82
L1	11/11/2021	2	insitu	<4.6	<9.2	<46	<59	<60
L2	11/11/2021	0.5	excavated	<4.6	<9.2	<46	<59	1400
L2	11/11/2021	4	insitu	<4.6	<9.2	<46	<59	<60
L3	12/9/2021	1	insitu	<4.7	<9.3	<46	<59	140
L4	12/9/2021	1	excavated	<4.8	<9.4	<46	<59	5900
L5	12/9/2021	1	excavated	<4.8	<9.4	<46	<59	1600
L5	1/17/2022	1.5	insitu	<20.0	85.6	<50	85.6	328
L6	12/9/2021	1	insitu	<4.6	<9.2	<46	<59	<60
L7	12/9/2021	9	insitu	<4.8	<9.9	<50	<63	370
L8	12/9/2021	1	excavated	<4.8	<9.9	<50	<63	1100
L8	1/17/2022	1.5	insitu	<20.0	63	<50.0	63	282
L9	12/9/2021	1	insitu	<4.6	<9.2	<46	<59	380

"--" = Not Analyzed

MMX #

APPENDIX A
FORMS C141

District I
1625 N. French Dr., Hobbs, NM 88240
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Revised August 24, 2018
Submit to appropriate OCD District office

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Contact email msanjari@marathonoil.com	Incident # *(assigned by OCD)*
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Latitude 32.31677158 Longitude -104.2018314
(NAD 83 in decimal degrees to 5 decimal places)

Site Name CYPRESS FEE 23 27 9 #002H	Site Type Oil & Gas Facility
Date Release Discovered: 11/4/2021	API# *(if applicable) 30-015-44374*

Unit Letter	Section	Township	Range	County
L	09	23S	27E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 105	Volume Recovered (bbls) 105
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Report of a leaking flange gasket on the main water header on the Cypress pad was reported to the Marathon Oil Control Room. An operator was dispatched and the source of the release was isolated. The entire release foot print remained on the pad and nearby trucks were dispatched to recover all standing fluid immediately to prevent vertical migration through the caliche. A one call has also been placed to conduct a surficial scrape of the area so any impending weather does not cause horizontal migration of the impact prior to the initial characterization sampling event next week. A remediation closure report will be submitted within 90 days.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2130930832
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Volume
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, NOR was submitted to NM OCD the morning of 11/5/21	

Initial Response

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

☒ The source of the release has been stopped.

☒ The impacted area has been secured to protect human health and the environment.

☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: Melodie Sanjari Title: Environmental Professional

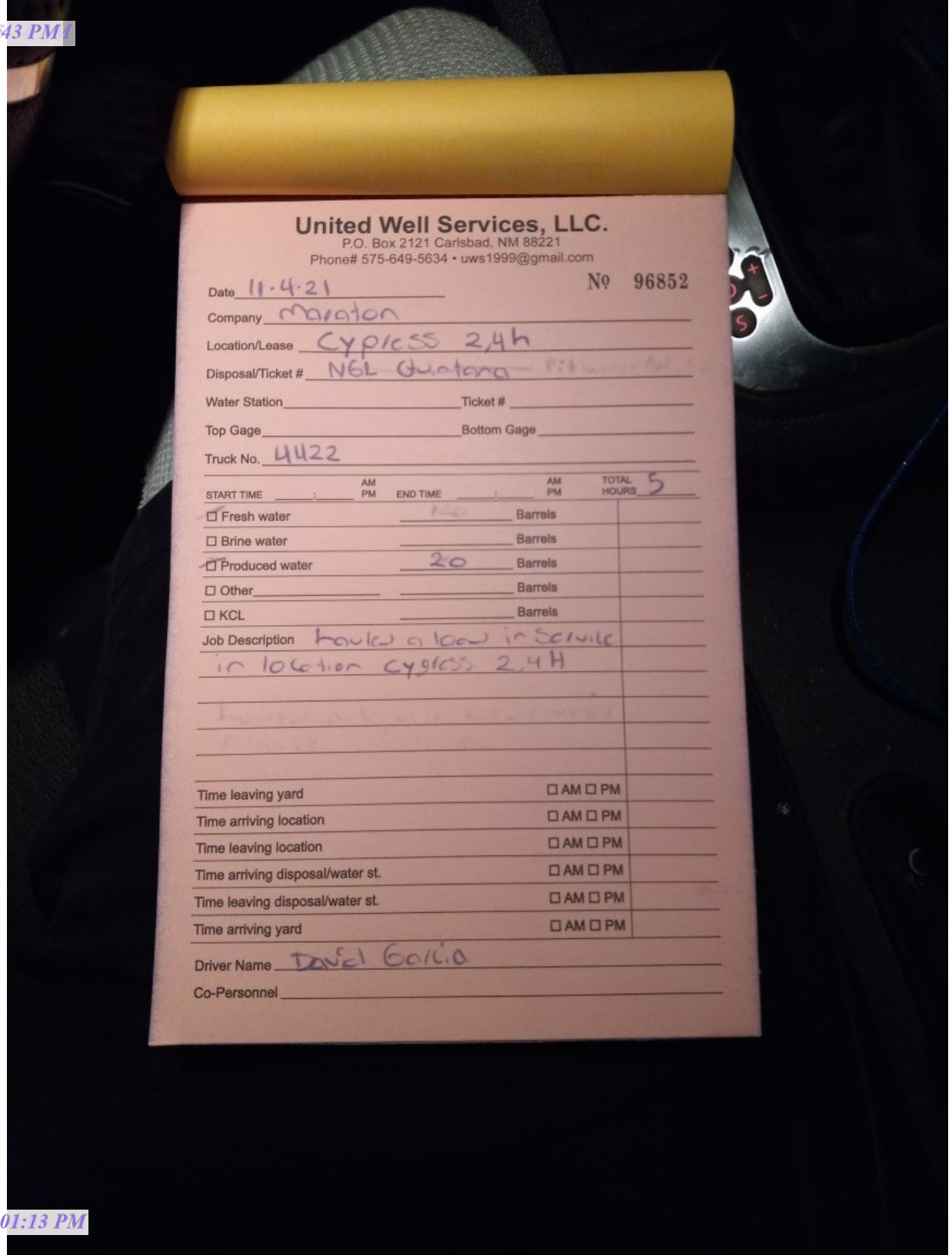
Signature: Melodie Sanjari Date: 11/5/2021

email: msanjari@marathonoil.com Telephone: 575-988-8753

OCD Only

Received by: Ramona Marcus Date: 11/8/2021

NAPP2130930832



United Well Services, LLC.
P.O. Box 2121 Carlsbad, NM 88221
Phone# 575-649-5634 • uws1999@gmail.com

Date 11.4.21 № 96852

Company Marathon

Location/Lease Cypress 2,4h

Disposal/Ticket # NGL Quatro

Water Station _____ Ticket # _____

Top Gage _____ Bottom Gage _____

Truck No. 4422

START TIME ____:____ AM PM END TIME ____:____ AM PM TOTAL HOURS 5

☐ Fresh water	____ Barrels	
☐ Brine water	____ Barrels	
☐ Produced water	20 Barrels	
☐ Other ____	____ Barrels	
☐ KCL	____ Barrels	

Job Description hauled a load in Senile in location Cypress 2,4H

Time leaving yard	☐ AM ☐ PM
Time arriving location	☐ AM ☐ PM
Time leaving location	☐ AM ☐ PM
Time arriving disposal/water st.	☐ AM ☐ PM
Time leaving disposal/water st.	☐ AM ☐ PM
Time arriving yard	☐ AM ☐ PM

Driver Name David Garcia

Co-Personnel _____

United Well Services, LLC.

P.O. Box 2121 Carlsbad, NM 88221
Phone# 575-649-5634 • uws1999@gmail.com

Date 11/4/21 № 96923

Company MARATHON OIL

Location/Lease CYPRESS FEE 23 #2H, 4H

Disposal/Ticket # QUINTANA

Water Station _____ Ticket # 1194-27803

Top Gage _____ Bottom Gage _____

Truck No. 4438

START TIME ____:____ AM PM END TIME ____:____ AM PM TOTAL HOURS ____

☐ Fresh water	_____ Barrels	
☐ Brine water	_____ Barrels	
☒ Produced water	50 Barrels	
☐ Other _____	_____ Barrels	
☐ KCL	_____ Barrels	

Job Description

DROVE TO location and PICKED UP WATER ON location off of ground AND HAULED TO Disposal

Time leaving yard	☐ AM ☐ PM
Time arriving location	☐ AM ☐ PM
Time leaving location	☐ AM ☐ PM
Time arriving disposal/water st.	☐ AM ☐ PM
Time leaving disposal/water st.	☐ AM ☐ PM
Time arriving yard	☐ AM ☐ PM

Driver Name YANGENSY J Socarras

Co-Personnel _____

United Well Services, LLC.

P.O. Box 2121 Carlsbad, NM 88221
Phone# 575-649-5634 • uws1999@gmail.com

NAPP2130930832

No 97167

Date 11-4-2021

Company MARATHON

Location/Lease CYPRESS FEE 23-27-9-2H-4H

Disposal/Ticket #

Water Station Ticket #

Top Gage Bottom Gage

Truck No. 4438 DEC 23 24 25

START TIME 9:30 AM PM END TIME 1:30 AM PM TOTAL HOURS 4

☐ Fresh water	Barrels	
☐ Brine water	Barrels	
☑ Produced water	35 Barrels	
☐ Other	Barrels	
☐ KCL	Barrels	

Job Description

working on location
PLUS SPILL
go to disposal
unloading

Time leaving yard	☐ AM ☐ PM	
Time arriving location	☐ AM ☐ PM	
Time leaving location	☐ AM ☐ PM	
Time arriving disposal/water st.	☐ AM ☐ PM	
Time leaving disposal/water st.	☐ AM ☐ PM	
Time arriving yard	☐ AM ☐ PM	

Driver Name Leonardo Enriquez

Co-Personnel

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

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 60472
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	11/8/2021

APPENDIX B
NMOSE WELLS REPORT

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	C 00195	4	1	4	09	23S	27E	576069	3575827*

Driller License: **Driller Company:**

Driller Name: FRANK GENTRY

Drill Start Date:		**Drill Finish Date:**	12/31/1936	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**	10/16/1950	**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	1500 GPM
Casing Size:	10.00	**Depth Well:**	128 feet	**Depth Water:**	83 feet

***UTM location was derived from PLSS - see Help**

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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 00195		CUB	ED	4	1	4	09	23S	27E	576069	3575827*	128	83	45
C 00420	C	CUB	ED		4	2	09	23S	27E	576370	3576337*	2151		
C 04044 POD1		CUB	ED	3	2	3	09	23S	27E	575504	3575907	290	150	140
C 04581 POD1		C	ED	3	1	1	09	23S	27E	575167	3576589	165	109	56

Average Depth to Water: **114 feet**
Minimum Depth: **83 feet**
Maximum Depth: **150 feet**

Record Count: 4

PLSS Search:

Section(s): 9 **Township:** 23S **Range:** 27E

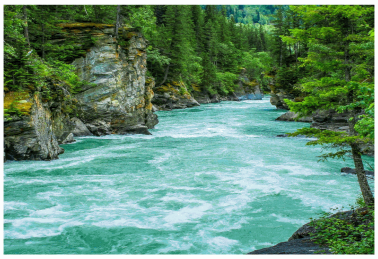
***UTM location was derived from PLSS - see Help**

APPENDIX C

LABORATORY ANALYTICAL REPORTS

Report to:

Austin Weyant



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Atkins Engineering Associates Inc.

Project Name:	Cypress
Work Order:	E202084
Job Number:	20071-0001
Received:	2/15/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/23/22

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

Analytical Report
Lab Order **2111827**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Marathon Oil Company
Client Sample ID: L1-0.5
Project: CYPRESS FEE 23279
Collection Date: 11/11/2021
Lab ID: 2111827-001 **Matrix:** SOIL **Received Date:** 11/17/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/20/2021 8:18:59 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/20/2021 8:18:59 AM
Surr: DNOP	63.9	70-130	S	%Rec	1	11/20/2021 8:18:59 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/19/2021 12:00:41 AM
Surr: BFB	102	70-130		%Rec	1	11/19/2021 12:00:41 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	11/19/2021 12:00:41 AM
Toluene	ND	0.049		mg/Kg	1	11/19/2021 12:00:41 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/19/2021 12:00:41 AM
Xylenes, Total	ND	0.098		mg/Kg	1	11/19/2021 12:00:41 AM
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	11/19/2021 12:00:41 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	980	61		mg/Kg	20	11/19/2021 6:32:38 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2111827**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Marathon Oil Company
Client Sample ID: L1-1
Project: CYPRESS FEE 23279
Collection Date: 11/11/2021
Lab ID: 2111827-002 **Matrix:** SOIL **Received Date:** 11/17/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/22/2021 4:30:42 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/22/2021 4:30:42 PM
Surr: DNOP	117	70-130		%Rec	1	11/22/2021 4:30:42 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/19/2021 1:10:19 AM
Surr: BFB	99.9	70-130		%Rec	1	11/19/2021 1:10:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	11/19/2021 1:10:19 AM
Toluene	ND	0.050		mg/Kg	1	11/19/2021 1:10:19 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/19/2021 1:10:19 AM
Xylenes, Total	ND	0.099		mg/Kg	1	11/19/2021 1:10:19 AM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/19/2021 1:10:19 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	82	60		mg/Kg	20	11/19/2021 6:44:58 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2111827**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Marathon Oil Company
Client Sample ID: L1-2
Project: CYPRESS FEE 23279
Collection Date: 11/11/2021
Lab ID: 2111827-003 **Matrix:** SOIL **Received Date:** 11/17/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	11/22/2021 4:54:31 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	11/22/2021 4:54:31 PM
Surr: DNOP	112	70-130		%Rec	1	11/22/2021 4:54:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/19/2021 1:33:30 AM
Surr: BFB	97.8	70-130		%Rec	1	11/19/2021 1:33:30 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	11/19/2021 1:33:30 AM
Toluene	ND	0.049		mg/Kg	1	11/19/2021 1:33:30 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/19/2021 1:33:30 AM
Xylenes, Total	ND	0.097		mg/Kg	1	11/19/2021 1:33:30 AM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	11/19/2021 1:33:30 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	61		mg/Kg	20	11/19/2021 6:57:19 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2111827**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Marathon Oil Company
Client Sample ID: S1-0.5
Project: CYPRESS FEE 23279
Collection Date: 11/11/2021
Lab ID: 2111827-004 **Matrix:** SOIL **Received Date:** 11/17/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/20/2021 9:55:49 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/20/2021 9:55:49 AM
Surr: DNOP	66.9	70-130	S	%Rec	1	11/20/2021 9:55:49 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/19/2021 1:56:38 AM
Surr: BFB	98.9	70-130		%Rec	1	11/19/2021 1:56:38 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	11/19/2021 1:56:38 AM
Toluene	ND	0.047		mg/Kg	1	11/19/2021 1:56:38 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/19/2021 1:56:38 AM
Xylenes, Total	ND	0.095		mg/Kg	1	11/19/2021 1:56:38 AM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/19/2021 1:56:38 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	540	60		mg/Kg	20	11/19/2021 7:09:40 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2111827**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Marathon Oil Company
Client Sample ID: S1-1
Project: CYPRESS FEE 23279
Collection Date: 11/11/2021
Lab ID: 2111827-005 **Matrix:** SOIL **Received Date:** 11/17/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/22/2021 5:18:17 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/22/2021 5:18:17 PM
Surr: DNOP	111	70-130		%Rec	1	11/22/2021 5:18:17 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/19/2021 2:19:50 AM
Surr: BFB	95.4	70-130		%Rec	1	11/19/2021 2:19:50 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	11/19/2021 2:19:50 AM
Toluene	ND	0.050		mg/Kg	1	11/19/2021 2:19:50 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/19/2021 2:19:50 AM
Xylenes, Total	ND	0.099		mg/Kg	1	11/19/2021 2:19:50 AM
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	11/19/2021 2:19:50 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	120	60		mg/Kg	20	11/19/2021 7:22:02 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2111827**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Marathon Oil Company
Client Sample ID: S1-2
Project: CYPRESS FEE 23279
Collection Date: 11/11/2021
Lab ID: 2111827-006 **Matrix:** SOIL **Received Date:** 11/17/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/20/2021 10:44:25 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/20/2021 10:44:25 AM
Surr: DNOP	72.8	70-130		%Rec	1	11/20/2021 10:44:25 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/19/2021 2:42:57 AM
Surr: BFB	100	70-130		%Rec	1	11/19/2021 2:42:57 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	11/19/2021 2:42:57 AM
Toluene	ND	0.049		mg/Kg	1	11/19/2021 2:42:57 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/19/2021 2:42:57 AM
Xylenes, Total	ND	0.098		mg/Kg	1	11/19/2021 2:42:57 AM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/19/2021 2:42:57 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	200	60		mg/Kg	20	11/19/2021 12:14:04 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2111827**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Marathon Oil Company
Client Sample ID: S1-3
Project: CYPRESS FEE 23279
Collection Date: 11/11/2021
Lab ID: 2111827-007 **Matrix:** SOIL **Received Date:** 11/17/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/20/2021 11:08:43 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/20/2021 11:08:43 AM
Surr: DNOP	73.7	70-130		%Rec	1	11/20/2021 11:08:43 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/19/2021 3:06:04 AM
Surr: BFB	99.7	70-130		%Rec	1	11/19/2021 3:06:04 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	11/19/2021 3:06:04 AM
Toluene	ND	0.049		mg/Kg	1	11/19/2021 3:06:04 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/19/2021 3:06:04 AM
Xylenes, Total	ND	0.099		mg/Kg	1	11/19/2021 3:06:04 AM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/19/2021 3:06:04 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	88	60		mg/Kg	20	11/19/2021 12:51:18 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2111827**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Marathon Oil Company
Client Sample ID: S1-7
Project: CYPRESS FEE 23279
Collection Date: 11/11/2021
Lab ID: 2111827-008 **Matrix:** SOIL **Received Date:** 11/17/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	11/20/2021 11:32:52 AM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	11/20/2021 11:32:52 AM
Surr: DNOP	71.5	70-130		%Rec	1	11/20/2021 11:32:52 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/19/2021 3:29:09 AM
Surr: BFB	98.8	70-130		%Rec	1	11/19/2021 3:29:09 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	11/19/2021 3:29:09 AM
Toluene	ND	0.049		mg/Kg	1	11/19/2021 3:29:09 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/19/2021 3:29:09 AM
Xylenes, Total	ND	0.098		mg/Kg	1	11/19/2021 3:29:09 AM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/19/2021 3:29:09 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	140	60		mg/Kg	20	11/19/2021 1:53:22 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2111827**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Marathon Oil Company
Client Sample ID: L2-0.5
Project: CYPRESS FEE 23279
Collection Date: 11/11/2021
Lab ID: 2111827-009 **Matrix:** SOIL **Received Date:** 11/17/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/20/2021 11:57:12 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/20/2021 11:57:12 AM
Surr: DNOP	71.8	70-130		%Rec	1	11/20/2021 11:57:12 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/18/2021 9:20:00 AM
Surr: BFB	97.6	70-130		%Rec	1	11/18/2021 9:20:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **mb**
Benzene	ND	0.025		mg/Kg	1	11/18/2021 9:20:00 AM
Toluene	ND	0.050		mg/Kg	1	11/18/2021 9:20:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/18/2021 9:20:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	11/18/2021 9:20:00 AM
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	11/18/2021 9:20:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	1400	60		mg/Kg	20	11/19/2021 2:05:47 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2111827**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Marathon Oil Company
Client Sample ID: L2-4
Project: CYPRESS FEE 23279
Collection Date: 11/11/2021
Lab ID: 2111827-010 **Matrix:** SOIL **Received Date:** 11/17/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	9.8	9.2		mg/Kg	1	11/20/2021 12:21:32 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/20/2021 12:21:32 PM
Surr: DNOP	79.8	70-130		%Rec	1	11/20/2021 12:21:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/18/2021 10:18:00 AM
Surr: BFB	96.0	70-130		%Rec	1	11/18/2021 10:18:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **mb**
Benzene	ND	0.025		mg/Kg	1	11/18/2021 10:18:00 AM
Toluene	ND	0.050		mg/Kg	1	11/18/2021 10:18:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/18/2021 10:18:00 AM
Xylenes, Total	ND	0.10		mg/Kg	1	11/18/2021 10:18:00 AM
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	11/18/2021 10:18:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	11/19/2021 2:18:12 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Date Reported: 2/23/22

Austin Weyant
2904 W. 2nd
Roswell, NM 88201

Project Name: Cypress
Workorder: E202084
Date Received: 2/15/2022 10:53:00AM

Austin Weyant,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/15/2022 10:53:00AM, under the Project Name: Cypress.

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

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

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

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

Respectfully,

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Table of Contents

Sample Summary

Atkins Engineering Associates Inc.	Project Name:	Cypress	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	02/23/22 15:34

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1	E202084-01A	Soil	02/11/22	02/15/22	Glass Jar, 4 oz.
SW2	E202084-02A	Soil	02/11/22	02/15/22	Glass Jar, 4 oz.
SW3	E202084-03A	Soil	02/11/22	02/15/22	Glass Jar, 4 oz.
SW4	E202084-04A	Soil	02/11/22	02/15/22	Glass Jar, 4 oz.
SW5	E202084-05A	Soil	02/11/22	02/15/22	Glass Jar, 4 oz.
SW6	E202084-06A	Soil	02/11/22	02/15/22	Glass Jar, 4 oz.
SW7	E202084-07A	Soil	02/11/22	02/15/22	Glass Jar, 4 oz.
SW8	E202084-08A	Soil	02/11/22	02/15/22	Glass Jar, 4 oz.
BH1	E202084-09A	Soil	02/11/22	02/15/22	Glass Jar, 4 oz.
BH2	E202084-10A	Soil	02/11/22	02/15/22	Glass Jar, 4 oz.
BH3	E202084-11A	Soil	02/11/22	02/15/22	Glass Jar, 4 oz.
BH4	E202084-12A	Soil	02/11/22	02/15/22	Glass Jar, 4 oz.
BH5	E202084-13A	Soil	02/11/22	02/15/22	Glass Jar, 4 oz.

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

SW1

E202084-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Benzene	ND	0.0250	1	02/18/22	02/21/22	
Ethylbenzene	ND	0.0250	1	02/18/22	02/21/22	
Toluene	ND	0.0250	1	02/18/22	02/21/22	
o-Xylene	ND	0.0250	1	02/18/22	02/21/22	
p,m-Xylene	ND	0.0500	1	02/18/22	02/21/22	
Total Xylenes	ND	0.0250	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*94.6 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*94.6 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2209003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/22	02/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/22	02/22/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*02/21/22*	*02/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208103
Chloride	**69.5**	20.0	1	02/18/22	02/23/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

SW2

E202084-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Benzene	ND	0.0250	1	02/18/22	02/21/22	
Ethylbenzene	ND	0.0250	1	02/18/22	02/21/22	
Toluene	ND	0.0250	1	02/18/22	02/21/22	
o-Xylene	ND	0.0250	1	02/18/22	02/21/22	
p,m-Xylene	ND	0.0500	1	02/18/22	02/21/22	
Total Xylenes	ND	0.0250	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*92.2 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*92.2 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2209003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/22	02/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/22	02/22/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*02/21/22*	*02/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208103
Chloride	**87.5**	20.0	1	02/18/22	02/23/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

SW3

E202084-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Benzene	ND	0.0250	1	02/18/22	02/21/22	
Ethylbenzene	ND	0.0250	1	02/18/22	02/21/22	
Toluene	ND	0.0250	1	02/18/22	02/21/22	
o-Xylene	ND	0.0250	1	02/18/22	02/21/22	
p,m-Xylene	ND	0.0500	1	02/18/22	02/21/22	
Total Xylenes	ND	0.0250	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*91.4 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*99.0 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*91.4 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*99.0 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2209003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/22	02/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/22	02/22/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/21/22*	*02/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208103
Chloride	**26.6**	20.0	1	02/18/22	02/23/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

SW4

E202084-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Benzene	ND	0.0250	1	02/18/22	02/21/22	
Ethylbenzene	ND	0.0250	1	02/18/22	02/21/22	
Toluene	ND	0.0250	1	02/18/22	02/21/22	
o-Xylene	ND	0.0250	1	02/18/22	02/21/22	
p,m-Xylene	ND	0.0500	1	02/18/22	02/21/22	
Total Xylenes	ND	0.0250	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*91.4 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*91.4 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2209003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/22	02/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/22	02/22/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*02/21/22*	*02/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208103
Chloride	**38.0**	20.0	1	02/18/22	02/23/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

SW5

E202084-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Benzene	ND	0.0250	1	02/18/22	02/21/22	
Ethylbenzene	ND	0.0250	1	02/18/22	02/21/22	
Toluene	ND	0.0250	1	02/18/22	02/21/22	
o-Xylene	ND	0.0250	1	02/18/22	02/21/22	
p,m-Xylene	ND	0.0500	1	02/18/22	02/21/22	
Total Xylenes	ND	0.0250	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*92.1 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*92.1 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2209003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/22	02/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/22	02/22/22	
Surrogate: n-Nonane		*122 %*	*50-200*	*02/21/22*	*02/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208103
Chloride	**223**	20.0	1	02/18/22	02/23/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

SW6

E202084-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Benzene	ND	0.0250	1	02/18/22	02/21/22	
Ethylbenzene	ND	0.0250	1	02/18/22	02/21/22	
Toluene	ND	0.0250	1	02/18/22	02/21/22	
o-Xylene	ND	0.0250	1	02/18/22	02/21/22	
p,m-Xylene	ND	0.0500	1	02/18/22	02/21/22	
Total Xylenes	ND	0.0250	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*91.6 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*98.7 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*91.6 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*98.7 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2209003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/22	02/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/22	02/22/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*02/21/22*	*02/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208103
Chloride	**230**	20.0	1	02/18/22	02/23/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

SW7

E202084-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Benzene	ND	0.0250	1	02/18/22	02/21/22	
Ethylbenzene	ND	0.0250	1	02/18/22	02/21/22	
Toluene	ND	0.0250	1	02/18/22	02/21/22	
o-Xylene	ND	0.0250	1	02/18/22	02/21/22	
p,m-Xylene	ND	0.0500	1	02/18/22	02/21/22	
Total Xylenes	ND	0.0250	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*90.6 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*90.6 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2209003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/22	02/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/22	02/22/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/21/22*	*02/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208103
Chloride	ND	20.0	1	02/18/22	02/23/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

SW8

E202084-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Benzene	ND	0.0250	1	02/18/22	02/21/22	
Ethylbenzene	ND	0.0250	1	02/18/22	02/21/22	
Toluene	ND	0.0250	1	02/18/22	02/21/22	
o-Xylene	ND	0.0250	1	02/18/22	02/21/22	
p,m-Xylene	ND	0.0500	1	02/18/22	02/21/22	
Total Xylenes	ND	0.0250	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*91.0 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*98.3 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*91.0 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*98.3 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2209003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/22	02/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/22	02/22/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*02/21/22*	*02/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208103
Chloride	**181**	20.0	1	02/18/22	02/23/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

BH1

E202084-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Benzene	ND	0.0250	1	02/18/22	02/21/22	
Ethylbenzene	ND	0.0250	1	02/18/22	02/21/22	
Toluene	ND	0.0250	1	02/18/22	02/21/22	
o-Xylene	ND	0.0250	1	02/18/22	02/21/22	
p,m-Xylene	ND	0.0500	1	02/18/22	02/21/22	
Total Xylenes	ND	0.0250	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*93.6 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*93.6 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2209003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/22	02/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/22	02/22/22	
Surrogate: n-Nonane		*114 %*	*50-200*	*02/21/22*	*02/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208103
Chloride	**87.3**	20.0	1	02/18/22	02/23/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

BH2

E202084-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Benzene	ND	0.0250	1	02/18/22	02/21/22	
Ethylbenzene	ND	0.0250	1	02/18/22	02/21/22	
Toluene	ND	0.0250	1	02/18/22	02/21/22	
o-Xylene	ND	0.0250	1	02/18/22	02/21/22	
p,m-Xylene	ND	0.0500	1	02/18/22	02/21/22	
Total Xylenes	ND	0.0250	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*90.7 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*90.7 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2209003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/22	02/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/22	02/22/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*02/21/22*	*02/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208103
Chloride	ND	20.0	1	02/18/22	02/23/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

BH3

E202084-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Benzene	ND	0.0250	1	02/18/22	02/21/22	
Ethylbenzene	ND	0.0250	1	02/18/22	02/21/22	
Toluene	ND	0.0250	1	02/18/22	02/21/22	
o-Xylene	ND	0.0250	1	02/18/22	02/21/22	
p,m-Xylene	ND	0.0500	1	02/18/22	02/21/22	
Total Xylenes	ND	0.0250	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*92.0 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*98.0 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*92.0 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*98.0 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2209003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/22	02/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/22	02/22/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*02/21/22*	*02/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208103
Chloride	**62.7**	20.0	1	02/18/22	02/23/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

BH4

E202084-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Benzene	ND	0.0250	1	02/18/22	02/21/22	
Ethylbenzene	ND	0.0250	1	02/18/22	02/21/22	
Toluene	ND	0.0250	1	02/18/22	02/21/22	
o-Xylene	ND	0.0250	1	02/18/22	02/21/22	
p,m-Xylene	ND	0.0500	1	02/18/22	02/21/22	
Total Xylenes	ND	0.0250	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*91.1 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*91.1 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2209003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/22	02/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/22	02/22/22	
Surrogate: n-Nonane		*114 %*	*50-200*	*02/21/22*	*02/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208103
Chloride	**167**	20.0	1	02/18/22	02/23/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

BH5

E202084-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Benzene	ND	0.0250	1	02/18/22	02/21/22	
Ethylbenzene	ND	0.0250	1	02/18/22	02/21/22	
Toluene	ND	0.0250	1	02/18/22	02/21/22	
o-Xylene	ND	0.0250	1	02/18/22	02/21/22	
p,m-Xylene	ND	0.0500	1	02/18/22	02/21/22	
Total Xylenes	ND	0.0250	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*92.5 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2208104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/22	02/21/22	
Surrogate: Bromofluorobenzene		*92.5 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*02/18/22*	*02/21/22*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*	*02/18/22*	*02/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2209003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/22	02/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/22	02/22/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*02/21/22*	*02/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2208103
Chloride	**256**	20.0	1	02/18/22	02/23/22	

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2208104-BLK1)									Prepared: 02/18/22 Analyzed: 02/21/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.450*		*0.500*		*89.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
LCS (2208104-BS1)									Prepared: 02/18/22 Analyzed: 02/21/22
Benzene	2.76	0.0250	2.50		110	70-130			
Ethylbenzene	2.92	0.0250	2.50		117	70-130			
Toluene	3.00	0.0250	2.50		120	70-130			
o-Xylene	2.76	0.0250	2.50		110	70-130			
p,m-Xylene	5.63	0.0500	5.00		113	70-130			
Total Xylenes	8.39	0.0250	7.50		112	70-130			
Surrogate: Bromofluorobenzene	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.517*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.544*		*0.500*		*109*	*70-130*			
Matrix Spike (2208104-MS1)				**Source: E202084-04**					Prepared: 02/18/22 Analyzed: 02/21/22
Benzene	2.86	0.0250	2.50	ND	114	48-131			
Ethylbenzene	2.97	0.0250	2.50	ND	119	45-135			
Toluene	2.96	0.0250	2.50	ND	118	48-130			
o-Xylene	2.87	0.0250	2.50	ND	115	43-135			
p,m-Xylene	5.78	0.0500	5.00	ND	116	43-135			
Total Xylenes	8.66	0.0250	7.50	ND	115	43-135			
Surrogate: Bromofluorobenzene	*0.476*		*0.500*		*95.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.512*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2208104-MSD1)				**Source: E202084-04**					Prepared: 02/18/22 Analyzed: 02/21/22
Benzene	2.80	0.0250	2.50	ND	112	48-131	2.08	23	
Ethylbenzene	2.92	0.0250	2.50	ND	117	45-135	1.77	27	
Toluene	2.96	0.0250	2.50	ND	118	48-130	0.118	24	
o-Xylene	2.79	0.0250	2.50	ND	112	43-135	2.79	27	
p,m-Xylene	5.62	0.0500	5.00	ND	112	43-135	2.93	27	
Total Xylenes	8.41	0.0250	7.50	ND	112	43-135	2.88	27	
Surrogate: Bromofluorobenzene	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2208104-BLK1)									Prepared: 02/18/22 Analyzed: 02/21/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.450*		*0.500*		*89.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
LCS (2208104-BS2)									Prepared: 02/18/22 Analyzed: 02/21/22
Gasoline Range Organics (C6-C10)	67.3	20.0	50.0		135	70-130			L2
Surrogate: Bromofluorobenzene	*0.463*		*0.500*		*92.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.499*		*0.500*		*99.8*	*70-130*			
Surrogate: Toluene-d8	*0.552*		*0.500*		*110*	*70-130*			
Matrix Spike (2208104-MS2)				**Source: E202084-04**					Prepared: 02/18/22 Analyzed: 02/21/22
Gasoline Range Organics (C6-C10)	61.5	20.0	50.0	ND	123	70-130			
Surrogate: Bromofluorobenzene	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.508*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2208104-MSD2)				**Source: E202084-04**					Prepared: 02/18/22 Analyzed: 02/21/22
Gasoline Range Organics (C6-C10)	59.8	20.0	50.0	ND	120	70-130	2.88	20	
Surrogate: Bromofluorobenzene	*0.472*		*0.500*		*94.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2209003-BLK1)									Prepared: 02/21/22 Analyzed: 02/22/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.8*		*50.0*		*108*	*50-200*			
LCS (2209003-BS1)									Prepared: 02/21/22 Analyzed: 02/22/22
Diesel Range Organics (C10-C28)	491	25.0	500		98.2	38-132			
Surrogate: n-Nonane	*52.9*		*50.0*		*106*	*50-200*			
Matrix Spike (2209003-MS1)				**Source: E202084-06**					Prepared: 02/21/22 Analyzed: 02/22/22
Diesel Range Organics (C10-C28)	505	25.0	500	ND	101	38-132			
Surrogate: n-Nonane	*56.2*		*50.0*		*112*	*50-200*			
Matrix Spike Dup (2209003-MSD1)				**Source: E202084-06**					Prepared: 02/21/22 Analyzed: 02/22/22
Diesel Range Organics (C10-C28)	504	25.0	500	ND	101	38-132	0.296	20	
Surrogate: n-Nonane	*57.5*		*50.0*		*115*	*50-200*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	2/23/2022 3:34:29PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2208103-BLK1)									Prepared: 02/18/22 Analyzed: 02/23/22
Chloride	ND	20.0							
LCS (2208103-BS1)									Prepared: 02/18/22 Analyzed: 02/23/22
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2208103-MS1)				**Source: E202084-01**					Prepared: 02/18/22 Analyzed: 02/23/22
Chloride	316	20.0	250	69.5	98.6	80-120			
Matrix Spike Dup (2208103-MSD1)				**Source: E202084-01**					Prepared: 02/18/22 Analyzed: 02/23/22
Chloride	314	20.0	250	69.5	97.8	80-120	0.657	20	

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

Definitions and Notes

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	02/23/22 15:34

L2	The LCS spike recovery was above acceptance limits. This analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of 2

Client: ATKINS ENG	Bill To	Lab Use Only	TAT / EPA Program
Project:	Attention:	Lab WO# E 202084	Job Number 20071-0001
Project Manager: AUSTIN WEIANT	Address:	1D 2D 3D Standard	CWA SDWA RCRA
Address: 2904 W 2ND	City, State, Zip	Analysis and Method	State: NM CO UT AZ TX
City, State, Zip ROSWELL, NM	Phone:		
Phone: 575 626 3943	Email:		
Email: austin@atkinseng.com			
Report due by:			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
2/11	13:16	S	1 4oz	SW1	1							X		
	13:21			SW2	2							X		
	13:05			SW3	3							X		
	12:53			SW4	4							X		
	13:40			SW5	5							X		
	13:30			SW6	6							X		
	14:07			SW7	7							X		
	13:26			SW8	8							X		
	13:08			BH1	9							X		
	13:03			BH2	10							X		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]			Caitlin Christian	2/15/22	10:53
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Project Information | Chain of Custody | Page 2 of 2

Client:	ATKINS ENG
Project:	
Project Manager:	AUSTIN WEMANT
Address:	2904 W 2ND
City, State, Zip	ROSWELL, NM
Phone:	575 626 3943
Email:	austm@atkinseng.com
Report due by:	

Bill To

Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E	20071-0001

TAT

1D	2D	3D	Standard

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
13:12	2/11	S	1 4oz	BH3	11									X				
13:32				BH4	12									X				
13:35				BH5	13									X				
13:39				BH6	14									X				

Analysis and Method

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
J. Austin Wemant	2/14/22		Cecilia Chacon	2/15/22	10:53
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 2/15/2022 11:39:47AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Atkins Engineering Associates Inc.	Date Received:	02/15/22 10:53	Work Order ID:	E202084
Phone:	(575) 626-3993	Date Logged In:	02/15/22 10:58	Logged In By:	Caitlin Christian
Email:	austin@atkinseng.com	Due Date:	02/21/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	No	
3. Were samples dropped off by client or carrier?	Yes	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	No	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Missing sample # 14. Date and time relinquished not provided on COC. Project name was not provided on COC.

Client Instruction

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

Date

envirotech Inc.

Project Information | Chain of Custody | Page 1 of 2

Client:	ATKINS ENG
Project:	Cypress per Austin CC 2/15/22
Project Manager:	AUSTIN WEIANT
Address:	2904 W 2ND
City, State, Zip	ROSWELL, NM
Phone:	575 626 3993
Email:	austinw@atkinseng.com
Report due by:	

Bill To

Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E202084	20071-0001

TAT

1D	2D	3D	Standard

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC - TX			Remarks
2/11	13:16	S	1 4oz	SW1	1								X				
	13:21			SW2	2								X				
	13:05			SW3	3								X				
	12:53			SW4	4								X				
	13:40			SW5	5								X				
	13:30			SW6	6								X				
	14:07			SW7	7								X				
	13:26			SW8	8								X				
	13:08			BH1	9								X				
	13:03			BH2	10								X				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]			Caitlin Christian	2/15/22	10:53
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 2 of 2

Client:	ATKINS ENG
Project:	Cypress
Project Manager:	AUSTIN WEIANT
Address:	2904 W 2ND
City, State, Zip	Roswell, NM
Phone:	575 626 3943
Email:	austin@atkinseng.com
Report due by:	

Bill To

Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E	20071-0001

TAT

1D	2D	3D	Standard

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC - TX			Remarks
13:12	2/11	S	1 4oz	BH3	11								X				
13:32				BH4	12								X				
13:35				BH5	13								X				
~~13:38~~				BH6	14								X				No Sample Recieved.

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
J. Austin Weiant	2/14/22		Cynthia Chatman	2/15/22	10:53
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: Ⓨ / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

December 21, 2021

Jessica Atkins

Atkins Engineering Associates
2904 West Second Street
Roswell, NM 88201
TEL: (575) 624-2420
FAX: (575) 624-2421

RE: Cypros OrderNo.: 2112844

Dear Jessica Atkins:

Hall Environmental Analysis Laboratory received 11 sample(s) on 12/14/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2112844**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Atkins Engineering Associates
Client Sample ID: S-SW-1
Project: Cypros
Collection Date: 12/9/2021 12:00:00 PM
Lab ID: 2112844-001 **Matrix:** SOIL **Received Date:** 12/14/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	800	60		mg/Kg	20	12/19/2021 5:51:25 PM	64608
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/14/2021 8:11:45 PM	64498
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/14/2021 8:11:45 PM	64498
Surr: DNOP	74.9	70-130		%Rec	1	12/14/2021 8:11:45 PM	64498
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/15/2021 11:55:00 PM	64491
Surr: BFB	89.4	70-130		%Rec	1	12/15/2021 11:55:00 PM	64491
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	12/15/2021 11:55:00 PM	64491
Toluene	ND	0.049		mg/Kg	1	12/15/2021 11:55:00 PM	64491
Ethylbenzene	ND	0.049		mg/Kg	1	12/15/2021 11:55:00 PM	64491
Xylenes, Total	ND	0.097		mg/Kg	1	12/15/2021 11:55:00 PM	64491
Surr: 4-Bromofluorobenzene	78.8	70-130		%Rec	1	12/15/2021 11:55:00 PM	64491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2112844**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Atkins Engineering Associates
Client Sample ID: S-SW-2
Project: Cypros
Collection Date: 12/9/2021 12:00:00 PM
Lab ID: 2112844-002 **Matrix:** SOIL **Received Date:** 12/14/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	3200	150		mg/Kg	50	12/20/2021 12:51:54 PM	64608
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/14/2021 8:22:17 PM	64498
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/14/2021 8:22:17 PM	64498
Surr: DNOP	90.8	70-130		%Rec	1	12/14/2021 8:22:17 PM	64498
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/16/2021 12:14:00 AM	64491
Surr: BFB	90.1	70-130		%Rec	1	12/16/2021 12:14:00 AM	64491
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	12/16/2021 12:14:00 AM	64491
Toluene	ND	0.048		mg/Kg	1	12/16/2021 12:14:00 AM	64491
Ethylbenzene	ND	0.048		mg/Kg	1	12/16/2021 12:14:00 AM	64491
Xylenes, Total	ND	0.096		mg/Kg	1	12/16/2021 12:14:00 AM	64491
Surr: 4-Bromofluorobenzene	80.7	70-130		%Rec	1	12/16/2021 12:14:00 AM	64491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2112844**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Atkins Engineering Associates
Client Sample ID: S-3
Project: Cypros
Collection Date: 12/9/2021 12:00:00 PM
Lab ID: 2112844-003 **Matrix:** SOIL **Received Date:** 12/14/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	2600	150		mg/Kg	50	12/20/2021 9:08:30 AM	64608
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/14/2021 8:32:49 PM	64498
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/14/2021 8:32:49 PM	64498
Surr: DNOP	89.1	70-130		%Rec	1	12/14/2021 8:32:49 PM	64498
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/16/2021 12:34:00 AM	64491
Surr: BFB	89.1	70-130		%Rec	1	12/16/2021 12:34:00 AM	64491
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/16/2021 12:34:00 AM	64491
Toluene	ND	0.050		mg/Kg	1	12/16/2021 12:34:00 AM	64491
Ethylbenzene	ND	0.050		mg/Kg	1	12/16/2021 12:34:00 AM	64491
Xylenes, Total	ND	0.10		mg/Kg	1	12/16/2021 12:34:00 AM	64491
Surr: 4-Bromofluorobenzene	81.0	70-130		%Rec	1	12/16/2021 12:34:00 AM	64491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2112844**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Atkins Engineering Associates
Client Sample ID: L-3
Project: Cypros
Collection Date: 12/9/2021 12:00:00 PM
Lab ID: 2112844-004 **Matrix:** SOIL **Received Date:** 12/14/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	140	61		mg/Kg	20	12/20/2021 9:20:54 AM	64608
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/14/2021 8:43:23 PM	64498
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/14/2021 8:43:23 PM	64498
Surr: DNOP	76.7	70-130		%Rec	1	12/14/2021 8:43:23 PM	64498
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/16/2021 12:53:00 AM	64491
Surr: BFB	91.3	70-130		%Rec	1	12/16/2021 12:53:00 AM	64491
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/16/2021 12:53:00 AM	64491
Toluene	ND	0.050		mg/Kg	1	12/16/2021 12:53:00 AM	64491
Ethylbenzene	ND	0.050		mg/Kg	1	12/16/2021 12:53:00 AM	64491
Xylenes, Total	ND	0.099		mg/Kg	1	12/16/2021 12:53:00 AM	64491
Surr: 4-Bromofluorobenzene	83.1	70-130		%Rec	1	12/16/2021 12:53:00 AM	64491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2112844**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Atkins Engineering Associates
Client Sample ID: L-4
Project: Cypros
Collection Date: 12/9/2021 12:00:00 PM
Lab ID: 2112844-005 **Matrix:** SOIL **Received Date:** 12/14/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	5900	300		mg/Kg	100	12/20/2021 9:33:18 AM	64608
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/15/2021 9:17:48 AM	64498
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/15/2021 9:17:48 AM	64498
Surr: DNOP	92.8	70-130		%Rec	1	12/15/2021 9:17:48 AM	64498
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/16/2021 1:13:00 AM	64491
Surr: BFB	89.2	70-130		%Rec	1	12/16/2021 1:13:00 AM	64491
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/16/2021 1:13:00 AM	64491
Toluene	ND	0.050		mg/Kg	1	12/16/2021 1:13:00 AM	64491
Ethylbenzene	ND	0.050		mg/Kg	1	12/16/2021 1:13:00 AM	64491
Xylenes, Total	ND	0.10		mg/Kg	1	12/16/2021 1:13:00 AM	64491
Surr: 4-Bromofluorobenzene	80.9	70-130		%Rec	1	12/16/2021 1:13:00 AM	64491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2112844**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Atkins Engineering Associates
Client Sample ID: L-5
Project: Cypros
Collection Date: 12/9/2021 12:00:00 PM
Lab ID: 2112844-006 **Matrix:** SOIL **Received Date:** 12/14/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	1600	59		mg/Kg	20	12/20/2021 1:04:19 PM	64622
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/14/2021 9:04:32 PM	64498
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/14/2021 9:04:32 PM	64498
Surr: DNOP	93.6	70-130		%Rec	1	12/14/2021 9:04:32 PM	64498
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/16/2021 1:33:00 AM	64491
Surr: BFB	89.8	70-130		%Rec	1	12/16/2021 1:33:00 AM	64491
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	12/16/2021 1:33:00 AM	64491
Toluene	ND	0.049		mg/Kg	1	12/16/2021 1:33:00 AM	64491
Ethylbenzene	ND	0.049		mg/Kg	1	12/16/2021 1:33:00 AM	64491
Xylenes, Total	ND	0.097		mg/Kg	1	12/16/2021 1:33:00 AM	64491
Surr: 4-Bromofluorobenzene	81.9	70-130		%Rec	1	12/16/2021 1:33:00 AM	64491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2112844**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Atkins Engineering Associates
Client Sample ID: L-6
Project: Cypros
Collection Date: 12/9/2021 12:00:00 PM
Lab ID: 2112844-007 **Matrix:** SOIL **Received Date:** 12/14/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	12/20/2021 1:16:43 PM	64622
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/14/2021 9:15:13 PM	64498
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/14/2021 9:15:13 PM	64498
Surr: DNOP	89.2	70-130		%Rec	1	12/14/2021 9:15:13 PM	64498
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/16/2021 1:52:00 AM	64491
Surr: BFB	92.8	70-130		%Rec	1	12/16/2021 1:52:00 AM	64491
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	12/16/2021 1:52:00 AM	64491
Toluene	ND	0.048		mg/Kg	1	12/16/2021 1:52:00 AM	64491
Ethylbenzene	ND	0.048		mg/Kg	1	12/16/2021 1:52:00 AM	64491
Xylenes, Total	ND	0.095		mg/Kg	1	12/16/2021 1:52:00 AM	64491
Surr: 4-Bromofluorobenzene	84.4	70-130		%Rec	1	12/16/2021 1:52:00 AM	64491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2112844**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Atkins Engineering Associates
Client Sample ID: L-7
Project: Cypros
Collection Date: 12/9/2021 12:00:00 PM
Lab ID: 2112844-008 **Matrix:** SOIL **Received Date:** 12/14/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	370	59		mg/Kg	20	12/20/2021 1:29:08 PM	64622
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/16/2021 1:23:35 PM	64526
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/16/2021 1:23:35 PM	64526
Surr: DNOP	99.5	70-130		%Rec	1	12/16/2021 1:23:35 PM	64526
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/16/2021 12:20:54 AM	64506
Surr: BFB	100	70-130		%Rec	1	12/16/2021 12:20:54 AM	64506
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/16/2021 12:20:54 AM	64506
Toluene	ND	0.048		mg/Kg	1	12/16/2021 12:20:54 AM	64506
Ethylbenzene	ND	0.048		mg/Kg	1	12/16/2021 12:20:54 AM	64506
Xylenes, Total	ND	0.097		mg/Kg	1	12/16/2021 12:20:54 AM	64506
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	12/16/2021 12:20:54 AM	64506

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2112844**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Atkins Engineering Associates
Client Sample ID: L-8
Project: Cypros
Collection Date: 12/9/2021 12:00:00 PM
Lab ID: 2112844-009 **Matrix:** SOIL **Received Date:** 12/14/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	1100	60		mg/Kg	20	12/20/2021 2:06:22 PM	64622
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/16/2021 1:34:13 PM	64526
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/16/2021 1:34:13 PM	64526
Surr: DNOP	99.4	70-130		%Rec	1	12/16/2021 1:34:13 PM	64526
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/16/2021 1:30:33 AM	64506
Surr: BFB	102	70-130		%Rec	1	12/16/2021 1:30:33 AM	64506
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	12/16/2021 1:30:33 AM	64506
Toluene	ND	0.046		mg/Kg	1	12/16/2021 1:30:33 AM	64506
Ethylbenzene	ND	0.046		mg/Kg	1	12/16/2021 1:30:33 AM	64506
Xylenes, Total	ND	0.092		mg/Kg	1	12/16/2021 1:30:33 AM	64506
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	12/16/2021 1:30:33 AM	64506

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2112844**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Atkins Engineering Associates
Client Sample ID: L-9
Project: Cypros
Collection Date: 12/9/2021 12:00:00 PM
Lab ID: 2112844-010 **Matrix:** SOIL **Received Date:** 12/14/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	380	60		mg/Kg	20	12/20/2021 2:18:47 PM	64622
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/16/2021 9:38:35 AM	64526
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/16/2021 9:38:35 AM	64526
Surr: DNOP	76.7	70-130		%Rec	1	12/16/2021 9:38:35 AM	64526
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/16/2021 2:40:01 AM	64506
Surr: BFB	101	70-130		%Rec	1	12/16/2021 2:40:01 AM	64506
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	12/16/2021 2:40:01 AM	64506
Toluene	ND	0.046		mg/Kg	1	12/16/2021 2:40:01 AM	64506
Ethylbenzene	ND	0.046		mg/Kg	1	12/16/2021 2:40:01 AM	64506
Xylenes, Total	ND	0.092		mg/Kg	1	12/16/2021 2:40:01 AM	64506
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	12/16/2021 2:40:01 AM	64506

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2112844**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Atkins Engineering Associates
Client Sample ID: S-5
Project: Cypros
Collection Date: 12/9/2021 12:00:00 PM
Lab ID: 2112844-011 **Matrix:** SOIL **Received Date:** 12/14/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	640	61		mg/Kg	20	12/20/2021 2:31:12 PM	64622
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/16/2021 9:49:08 AM	64526
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/16/2021 9:49:08 AM	64526
Surr: DNOP	95.5	70-130		%Rec	1	12/16/2021 9:49:08 AM	64526
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/16/2021 3:03:04 AM	64506
Surr: BFB	98.5	70-130		%Rec	1	12/16/2021 3:03:04 AM	64506
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/16/2021 3:03:04 AM	64506
Toluene	ND	0.048		mg/Kg	1	12/16/2021 3:03:04 AM	64506
Ethylbenzene	ND	0.048		mg/Kg	1	12/16/2021 3:03:04 AM	64506
Xylenes, Total	ND	0.097		mg/Kg	1	12/16/2021 3:03:04 AM	64506
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/16/2021 3:03:04 AM	64506

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2112844**
21-Dec-21

Client: Atkins Engineering Associates
Project: Cypros

Sample ID: **MB-64608**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **64608**	RunNo: **84659**
Prep Date: **12/19/2021**	Analysis Date: **12/19/2021**	SeqNo: **2976269** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-64608**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **64608**	RunNo: **84659**
Prep Date: **12/19/2021**	Analysis Date: **12/19/2021**	SeqNo: **2976270** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2112844**
21-Dec-21

Client: Atkins Engineering Associates
Project: Cypros

Sample ID: **MB-64498** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **64498** RunNo: **84493**
Prep Date: **12/14/2021** Analysis Date: **12/14/2021** SeqNo: **2970622** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.9	70	130			

Sample ID: **LCS-64498** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **64498** RunNo: **84493**
Prep Date: **12/14/2021** Analysis Date: **12/14/2021** SeqNo: **2970623** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.6	68.9	135			
Surr: DNOP	4.1		5.000		81.7	70	130			

Sample ID: **MB-64526** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **64526** RunNo: **84564**
Prep Date: **12/15/2021** Analysis Date: **12/16/2021** SeqNo: **2973590** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		91.6	70	130			

Sample ID: **LCS-64526** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **64526** RunNo: **84564**
Prep Date: **12/15/2021** Analysis Date: **12/16/2021** SeqNo: **2973591** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.7	68.9	135			
Surr: DNOP	4.4		5.000		87.6	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2112844**
21-Dec-21

Client: Atkins Engineering Associates
Project: Cypros

Sample ID: **mb-64491**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **64491**	RunNo: **84562**
Prep Date: **12/14/2021**	Analysis Date: **12/15/2021**	SeqNo: **2972095** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		87.2	70	130			

Sample ID: **lcs-64491**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **64491**	RunNo: **84562**
Prep Date: **12/14/2021**	Analysis Date: **12/15/2021**	SeqNo: **2972097** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	78.6	131			
Surr: BFB	1000		1000		102	70	130			

Sample ID: **mb-64506**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **64506**	RunNo: **84565**
Prep Date: **12/14/2021**	Analysis Date: **12/15/2021**	SeqNo: **2972207** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	70	130			

Sample ID: **lcs-64506**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **64506**	RunNo: **84565**
Prep Date: **12/14/2021**	Analysis Date: **12/15/2021**	SeqNo: **2972208** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1100		1000		114	70	130			

Sample ID: **2112844-008ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **L-7**	Batch ID: **64506**	RunNo: **84565**
Prep Date: **12/14/2021**	Analysis Date: **12/16/2021**	SeqNo: **2972212** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	24.95	0	100	61.3	114			
Surr: BFB	1100		998.0		112	70	130			

Sample ID: **2112844-008amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **L-7**	Batch ID: **64506**	RunNo: **84565**
Prep Date: **12/14/2021**	Analysis Date: **12/16/2021**	SeqNo: **2972213** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2112844**
21-Dec-21

Client: Atkins Engineering Associates
Project: Cypros

Sample ID: **2112844-008amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **L-7** Batch ID: **64506** RunNo: **84565**
Prep Date: **12/14/2021** Analysis Date: **12/16/2021** SeqNo: **2972213** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	23.76	0	101	61.3	114	3.96	20	
Surr: BFB	1100		950.6		110	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2112844**
21-Dec-21

Client: Atkins Engineering Associates
Project: Cypros

Sample ID: **mb-64491**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **64491**	RunNo: **84562**
Prep Date: **12/14/2021**	Analysis Date: **12/15/2021**	SeqNo: **2972143** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.78		1.000		78.0	70	130			

Sample ID: **lcs-64491**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **64491**	RunNo: **84562**
Prep Date: **12/14/2021**	Analysis Date: **12/15/2021**	SeqNo: **2972145** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.8	80	120			
Toluene	0.89	0.050	1.000	0	88.8	80	120			
Ethylbenzene	0.88	0.050	1.000	0	87.8	80	120			
Xylenes, Total	2.6	0.10	3.000	0	85.4	80	120			
Surr: 4-Bromofluorobenzene	0.79		1.000		79.4	70	130			

Sample ID: **mb-64506**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **64506**	RunNo: **84565**
Prep Date: **12/14/2021**	Analysis Date: **12/15/2021**	SeqNo: **2972255** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

Sample ID: **LCS-64506**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **64506**	RunNo: **84565**
Prep Date: **12/14/2021**	Analysis Date: **12/15/2021**	SeqNo: **2972256** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	98.6	80	120			
Toluene	0.96	0.050	1.000	0	96.3	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.9	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.2	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2112844**
21-Dec-21

Client: Atkins Engineering Associates
Project: Cypros

Sample ID: **2112844-009ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **L-8**	Batch ID: **64506**	RunNo: **84565**							
Prep Date: **12/14/2021**	Analysis Date: **12/16/2021**	SeqNo: **2972302**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.023	0.9208	0	100	80	120			
Toluene	0.91	0.046	0.9208	0.01204	97.9	80	120			
Ethylbenzene	0.91	0.046	0.9208	0	99.0	80	120			
Xylenes, Total	2.7	0.092	2.762	0	98.4	80	120			
Surr: 4-Bromofluorobenzene	0.98		0.9208		107	70	130			

Sample ID: **2112844-009amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **L-8**	Batch ID: **64506**	RunNo: **84565**							
Prep Date: **12/14/2021**	Analysis Date: **12/16/2021**	SeqNo: **2972303**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.023	0.9183	0	101	80	120	0.161	20	
Toluene	0.91	0.046	0.9183	0.01204	97.8	80	120	0.357	20	
Ethylbenzene	0.91	0.046	0.9183	0	99.2	80	120	0.0740	20	
Xylenes, Total	2.7	0.092	2.755	0	97.4	80	120	1.26	20	
Surr: 4-Bromofluorobenzene	0.99		0.9183		108	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Atkins Engineering Associates | Work Order Number: 2112844 | RcptNo: 1

Received By: **Desiree Dominguez** 12/14/2021 8:10:00 AM DD

Completed By: **Sean Livingston** 12/14/2021 9:18:09 AM SL

Reviewed By:

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: KPG 12/14/21

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.5	Good				

Chain-of-Custody Record

Client: Hawkins Eng
on file

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush 5 Day

Project Name: Cypress

Project #:

Project Manager:

Sampler:

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 1.5 + 0.0 = 1.5 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2112844	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12/9	12:00	S	~~S-1~~ S-SW-1	3702976		001	X	X					X			
			~~S-2~~ S-SW-2	3702975		002										
			~~S-4~~ S-3 per labels	3702974		003										
			~~S-3~~	~~3702973~~												
			L-3	3702973		004										
			L-4	3702972		005										
			L-5	3702970		006										
			L-6	3702971		007										
			L-7	3702969		008										
			L-8	3702968		009										
			L-9	3702967		010										
			S-5	3702984		011										

Remarks:

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
Date: 12/13/21	Time: 1900	Relinquished by:	Received by:	Via: courier	Date: 12/14/21	Time: 8:10

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Desiree Dominguez

From: Desiree Dominguez
Sent: Tuesday, December 14, 2021 11:18 AM
To: 'sampling@atkinseng.com'
Subject: 2112844
Attachments: DOC121421.pdf

Good morning,
We received your project: Cypros today (12/14/21) there wasn't a project manager listed so I couldn't call. Attached is the original COC. The sample names on COC didn't match the label or barcode #'s for samples 001-003. The Labels did match the barcode #'s; so we are going with the labels and barcodes. If you need me to change that or have any questions just let me know.

COC	Label	barcode #
001- S-2	S-SW-1	3702976
002- S-3	S-SW-2	3702975
003- S-4	S-3	3702974

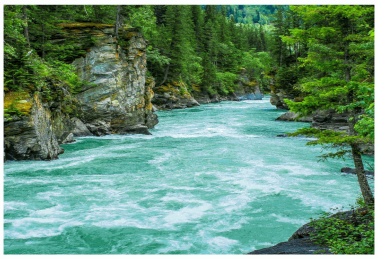
Desiree Dominguez
Sample Control Manager
Hall Environmental
4901 Hawkins NE
Albuquerque NM 87109
Ph. (505) 345-3975 (Ext. 109)
The holidays are coming and Hall Environmental will be closed on the following days:

Friday December 24th
Friday December 31st

Please do not collect Total Coliform/e.Coli samples or ship samples to us on 12/23 or 12/30.
Happy Holidays from all of us at Hall Environmental!

Report to:

Austin Weyant



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Atkins Engineering Associates Inc.

Project Name:	Cypress
Work Order:	E201097
Job Number:	20071-0001
Received:	1/24/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/26/22

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

Date Reported: 1/26/22

Austin Weyant
2904 W. 2nd
Roswell, NM 88201

Project Name: Cypress
Workorder: E201097
Date Received: 1/24/2022 8:28:00AM

Austin Weyant,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/24/2022 8:28:00AM, under the Project Name: Cypress.

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Atkins Engineering Associates Inc.	Project Name:	Cypress	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	01/26/22 17:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-SW-1	E201097-01A	Soil	01/17/22	01/24/22	Glass Jar, 4 oz.
S-SW-2	E201097-02A	Soil	01/17/22	01/24/22	Glass Jar, 4 oz.
S-3	E201097-03A	Soil	01/17/22	01/24/22	Glass Jar, 4 oz.
L 5	E201097-04A	Soil	01/17/22	01/24/22	Glass Jar, 4 oz.
L 8	E201097-05A	Soil	01/17/22	01/24/22	Glass Jar, 4 oz.
S 5	E201097-06A	Soil	01/17/22	01/24/22	Glass Jar, 4 oz.

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	1/26/2022 5:46:56PM

S-SW-1

E201097-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2205014
Benzene	ND	0.0250	1	01/24/22	01/25/22	
Ethylbenzene	ND	0.0250	1	01/24/22	01/25/22	
Toluene	**0.0356**	0.0250	1	01/24/22	01/25/22	
o-Xylene	ND	0.0250	1	01/24/22	01/25/22	
p,m-Xylene	ND	0.0500	1	01/24/22	01/25/22	
Total Xylenes	ND	0.0250	1	01/24/22	01/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*01/24/22*	*01/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205014
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/22	01/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*01/24/22*	*01/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205018
Diesel Range Organics (C10-C28)	**64.4**	25.0	1	01/24/22	01/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/22	01/25/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/24/22*	*01/25/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2205006
Chloride	**242**	200	10	01/24/22	01/24/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	1/26/2022 5:46:56PM

S-SW-2

E201097-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2205014
Benzene	ND	0.0250	1	01/24/22	01/25/22	
Ethylbenzene	ND	0.0250	1	01/24/22	01/25/22	
Toluene	ND	0.0250	1	01/24/22	01/25/22	
o-Xylene	ND	0.0250	1	01/24/22	01/25/22	
p,m-Xylene	ND	0.0500	1	01/24/22	01/25/22	
Total Xylenes	ND	0.0250	1	01/24/22	01/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.3 %*	*70-130*	*01/24/22*	*01/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205014
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/22	01/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*103 %*	*70-130*	*01/24/22*	*01/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205018
Diesel Range Organics (C10-C28)	**66.0**	25.0	1	01/24/22	01/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/22	01/25/22	
Surrogate: n-Nonane		*109 %*	*50-200*	*01/24/22*	*01/25/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2205006
Chloride	**272**	200	10	01/24/22	01/24/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	1/26/2022 5:46:56PM

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E201097-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2205014
Benzene	ND	0.0250	1	01/24/22	01/25/22	
Ethylbenzene	ND	0.0250	1	01/24/22	01/25/22	
Toluene	**0.0471**	0.0250	1	01/24/22	01/25/22	
o-Xylene	ND	0.0250	1	01/24/22	01/25/22	
p,m-Xylene	ND	0.0500	1	01/24/22	01/25/22	
Total Xylenes	ND	0.0250	1	01/24/22	01/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*01/24/22*	*01/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205014
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/22	01/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*01/24/22*	*01/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205018
Diesel Range Organics (C10-C28)	**76.1**	25.0	1	01/24/22	01/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/22	01/25/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/24/22*	*01/25/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2205006
Chloride	**287**	200	10	01/24/22	01/24/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	1/26/2022 5:46:56PM

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E201097-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2205014
Benzene	ND	0.0250	1	01/24/22	01/25/22	
Ethylbenzene	ND	0.0250	1	01/24/22	01/25/22	
Toluene	**0.0460**	0.0250	1	01/24/22	01/25/22	
o-Xylene	ND	0.0250	1	01/24/22	01/25/22	
p,m-Xylene	ND	0.0500	1	01/24/22	01/25/22	
Total Xylenes	ND	0.0250	1	01/24/22	01/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*90.5 %*	*70-130*	*01/24/22*	*01/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205014
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/22	01/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*01/24/22*	*01/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205018
Diesel Range Organics (C10-C28)	**85.6**	25.0	1	01/24/22	01/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/22	01/25/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*01/24/22*	*01/25/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2205006
Chloride	**328**	200	10	01/24/22	01/24/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	1/26/2022 5:46:56PM

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E201097-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2205033
Benzene	ND	0.0250	1	01/26/22	01/26/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/26/22	
Toluene	**0.0304**	0.0250	1	01/26/22	01/26/22	
o-Xylene	ND	0.0250	1	01/26/22	01/26/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/26/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/26/22	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*01/26/22*	*01/26/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205033
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/26/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*01/26/22*	*01/26/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205034
Diesel Range Organics (C10-C28)	**63.0**	25.0	1	01/25/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/25/22	01/26/22	
Surrogate: n-Nonane		*74.7 %*	*50-200*	*01/25/22*	*01/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2205038
Chloride	**282**	200	10	01/25/22	01/26/22	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	1/26/2022 5:46:56PM

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E201097-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2205014
Benzene	ND	0.0250	1	01/24/22	01/25/22	
Ethylbenzene	ND	0.0250	1	01/24/22	01/25/22	
Toluene	**0.0351**	0.0250	1	01/24/22	01/25/22	
o-Xylene	ND	0.0250	1	01/24/22	01/25/22	
p,m-Xylene	ND	0.0500	1	01/24/22	01/25/22	
Total Xylenes	ND	0.0250	1	01/24/22	01/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*01/24/22*	*01/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205014
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/22	01/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*01/24/22*	*01/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205018
Diesel Range Organics (C10-C28)	**62.8**	25.0	1	01/24/22	01/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/22	01/25/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*01/24/22*	*01/25/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2205006
Chloride	**293**	200	10	01/24/22	01/24/22	

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	1/26/2022 5:46:56PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205014-BLK1)									Prepared: 01/24/22 Analyzed: 01/25/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.96*		*8.00*		*99.5*	*70-130*			
LCS (2205014-BS1)									Prepared: 01/24/22 Analyzed: 01/25/22
Benzene	4.67	0.0250	5.00		93.4	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.6	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	4.79	0.0250	5.00		95.8	70-130			
p,m-Xylene	9.80	0.0500	10.0		98.0	70-130			
Total Xylenes	14.6	0.0250	15.0		97.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.95*		*8.00*		*99.4*	*70-130*			
Matrix Spike (2205014-MS1)				**Source: E201081-06**					Prepared: 01/24/22 Analyzed: 01/25/22
Benzene	4.77	0.0250	5.00	ND	95.4	54-133			
Ethylbenzene	4.92	0.0250	5.00	ND	98.3	61-133			
Toluene	5.09	0.0250	5.00	ND	102	61-130			
o-Xylene	4.85	0.0250	5.00	ND	97.0	63-131			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike Dup (2205014-MSD1)				**Source: E201081-06**					Prepared: 01/24/22 Analyzed: 01/25/22
Benzene	4.57	0.0250	5.00	ND	91.4	54-133	4.22	20	
Ethylbenzene	4.73	0.0250	5.00	ND	94.6	61-133	3.90	20	
Toluene	4.90	0.0250	5.00	ND	98.1	61-130	3.85	20	
o-Xylene	4.70	0.0250	5.00	ND	94.1	63-131	3.06	20	
p,m-Xylene	9.57	0.0500	10.0	ND	95.7	63-131	4.12	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.1	63-131	3.77	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.3*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	1/26/2022 5:46:56PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205033-BLK1)									Prepared: 01/25/22 Analyzed: 01/26/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.1*	*70-130*			
LCS (2205033-BS1)									Prepared: 01/25/22 Analyzed: 01/26/22
Benzene	4.49	0.0250	5.00		89.8	70-130			
Ethylbenzene	4.64	0.0250	5.00		92.8	70-130			
Toluene	4.81	0.0250	5.00		96.1	70-130			
o-Xylene	4.59	0.0250	5.00		91.9	70-130			
p,m-Xylene	9.42	0.0500	10.0		94.2	70-130			
Total Xylenes	14.0	0.0250	15.0		93.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.9*	*70-130*			
Matrix Spike (2205033-MS1)				**Source: E201104-01**					Prepared: 01/25/22 Analyzed: 01/26/22
Benzene	4.38	0.0250	5.00	ND	87.6	54-133			
Ethylbenzene	4.54	0.0250	5.00	ND	90.8	61-133			
Toluene	4.68	0.0250	5.00	ND	93.6	61-130			
o-Xylene	4.51	0.0250	5.00	ND	90.2	63-131			
p,m-Xylene	9.23	0.0500	10.0	ND	92.3	63-131			
Total Xylenes	13.7	0.0250	15.0	ND	91.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.8*	*70-130*			
Matrix Spike Dup (2205033-MSD1)				**Source: E201104-01**					Prepared: 01/25/22 Analyzed: 01/26/22
Benzene	4.48	0.0250	5.00	ND	89.6	54-133	2.23	20	
Ethylbenzene	4.62	0.0250	5.00	ND	92.4	61-133	1.71	20	
Toluene	4.81	0.0250	5.00	ND	96.3	61-130	2.84	20	
o-Xylene	4.60	0.0250	5.00	ND	92.0	63-131	2.02	20	
p,m-Xylene	9.36	0.0500	10.0	ND	93.6	63-131	1.47	20	
Total Xylenes	14.0	0.0250	15.0	ND	93.1	63-131	1.65	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.70*		*8.00*		*96.2*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	1/26/2022 5:46:56PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205014-BLK1)									Prepared: 01/24/22 Analyzed: 01/25/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.23*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2205014-MSD1)				**Source: E201081-06**					Prepared: 01/24/22 Analyzed: 01/25/22
Gasoline Range Organics (C6-C10)	54.3	20.0		ND		70-130	7.91	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.22*		*8.00*		*103*	*70-130*			
LCS (2205014-BS2)									Prepared: 01/24/22 Analyzed: 01/25/22
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.22*		*8.00*		*103*	*70-130*			
Matrix Spike (2205014-MS2)				**Source: E201081-06**					Prepared: 01/24/22 Analyzed: 01/25/22
Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.38*		*8.00*		*105*	*70-130*			
Matrix Spike Dup (2205014-MSD2)				**Source: E201081-06**					Prepared: 01/24/22 Analyzed: 01/25/22
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.5	70-130	2.76	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.23*		*8.00*		*103*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	1/26/2022 5:46:56PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205033-BLK1)									Prepared: 01/25/22 Analyzed: 01/26/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.13*		*8.00*		*102*	*70-130*			
LCS (2205033-BS2)									Prepared: 01/25/22 Analyzed: 01/26/22
Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.29*		*8.00*		*104*	*70-130*			
Matrix Spike (2205033-MS2)				**Source: E201104-01**					Prepared: 01/25/22 Analyzed: 01/26/22
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.09*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2205033-MSD2)				**Source: E201104-01**					Prepared: 01/25/22 Analyzed: 01/26/22
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.5	70-130	1.41	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.01*		*8.00*		*100*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	1/26/2022 5:46:56PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205018-BLK1)									Prepared: 01/24/22 Analyzed: 01/24/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.8*		*50.0*		*93.6*	*50-200*			
LCS (2205018-BS1)									Prepared: 01/24/22 Analyzed: 01/24/22
Diesel Range Organics (C10-C28)	446	25.0	500		89.2	38-132			
Surrogate: n-Nonane	*46.9*		*50.0*		*93.8*	*50-200*			
Matrix Spike (2205018-MS1)				**Source: E201081-07**					Prepared: 01/24/22 Analyzed: 01/25/22
Diesel Range Organics (C10-C28)	476	25.0	500	ND	95.2	38-132			
Surrogate: n-Nonane	*47.9*		*50.0*		*95.8*	*50-200*			
Matrix Spike Dup (2205018-MSD1)				**Source: E201081-07**					Prepared: 01/24/22 Analyzed: 01/25/22
Diesel Range Organics (C10-C28)	500	25.0	500	ND	100	38-132	4.86	20	
Surrogate: n-Nonane	*49.2*		*50.0*		*98.3*	*50-200*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	1/26/2022 5:46:56PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205034-BLK1)									Prepared: 01/25/22 Analyzed: 01/25/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.9*		*50.0*		*99.8*	*50-200*			
LCS (2205034-BS1)									Prepared: 01/25/22 Analyzed: 01/25/22
Diesel Range Organics (C10-C28)	490	25.0	500		98.0	38-132			
Surrogate: n-Nonane	*53.5*		*50.0*		*107*	*50-200*			
Matrix Spike (2205034-MS1)				**Source: E201100-06**					Prepared: 01/25/22 Analyzed: 01/25/22
Diesel Range Organics (C10-C28)	484	25.0	500	ND	96.9	38-132			
Surrogate: n-Nonane	*52.5*		*50.0*		*105*	*50-200*			
Matrix Spike Dup (2205034-MSD1)				**Source: E201100-06**					Prepared: 01/25/22 Analyzed: 01/25/22
Diesel Range Organics (C10-C28)	494	25.0	500	ND	98.8	38-132	2.00	20	
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*50-200*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	1/26/2022 5:46:56PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205006-BLK1)									Prepared: 01/24/22 Analyzed: 01/24/22
Chloride	ND	20.0							
LCS (2205006-BS1)									Prepared: 01/24/22 Analyzed: 01/24/22
Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2205006-MS1)				**Source: E201078-03**					Prepared: 01/24/22 Analyzed: 01/24/22
Chloride	285	20.0	250	28.6	103	80-120			
Matrix Spike Dup (2205006-MSD1)				**Source: E201078-03**					Prepared: 01/24/22 Analyzed: 01/24/22
Chloride	284	20.0	250	28.6	102	80-120	0.281	20	

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Cypress	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	1/26/2022 5:46:56PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205038-BLK1)									Prepared: 01/25/22 Analyzed: 01/26/22
Chloride	ND	20.0							
LCS (2205038-BS1)									Prepared: 01/25/22 Analyzed: 01/26/22
Chloride	248	20.0	250		99.2	90-110			
Matrix Spike (2205038-MS1)				**Source: E201125-01**					Prepared: 01/25/22 Analyzed: 01/26/22
Chloride	308	20.0	250	62.6	98.0	80-120			
Matrix Spike Dup (2205038-MSD1)				**Source: E201125-01**					Prepared: 01/25/22 Analyzed: 01/26/22
Chloride	309	20.0	250	62.6	98.5	80-120	0.340	20	

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

Definitions and Notes

Atkins Engineering Associates Inc.	Project Name:	Cypress	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	01/26/22 17:46

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of ___

Client:	ATHENS ENG
Project:	CYPRESS
Project Manager:	AUSTIN WEIMANT
Address:	2904 W 2ND
City, State, Zip	ROSWELL, NM
Phone:	
Email:	austin@athenseng.com
Report due by:	

Bill To

Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO# E201097 | Job Number 20071-0001

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	Remarks
	1/17/22	S	1/4oz	S-SW-1	1								X	
				S-SW-2	2								X	
				S-3	3								X	
				L5	4								X	
				L8	5								X	
				S5	6								X	

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
J. Austin Weimant	1/20/22	1:35pm		1.20.22	1355
	1.20.22	1745	Caitlin Christian	1/24/22	8:28

Lab Use Only
Received on ice: Y / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other ____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 1/24/2022 1:32:33PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Atkins Engineering Associates Inc.	Date Received:	01/24/22 08:28	Work Order ID:	E201097
Phone:	(575) 626-3993	Date Logged In:	01/21/22 11:38	Logged In By:	Caitlin Christian
Email:	austin@atkinseng.com	Due Date:	01/25/22 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courrier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Time Sampled not provived on coc.

Client Instruction

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

Date

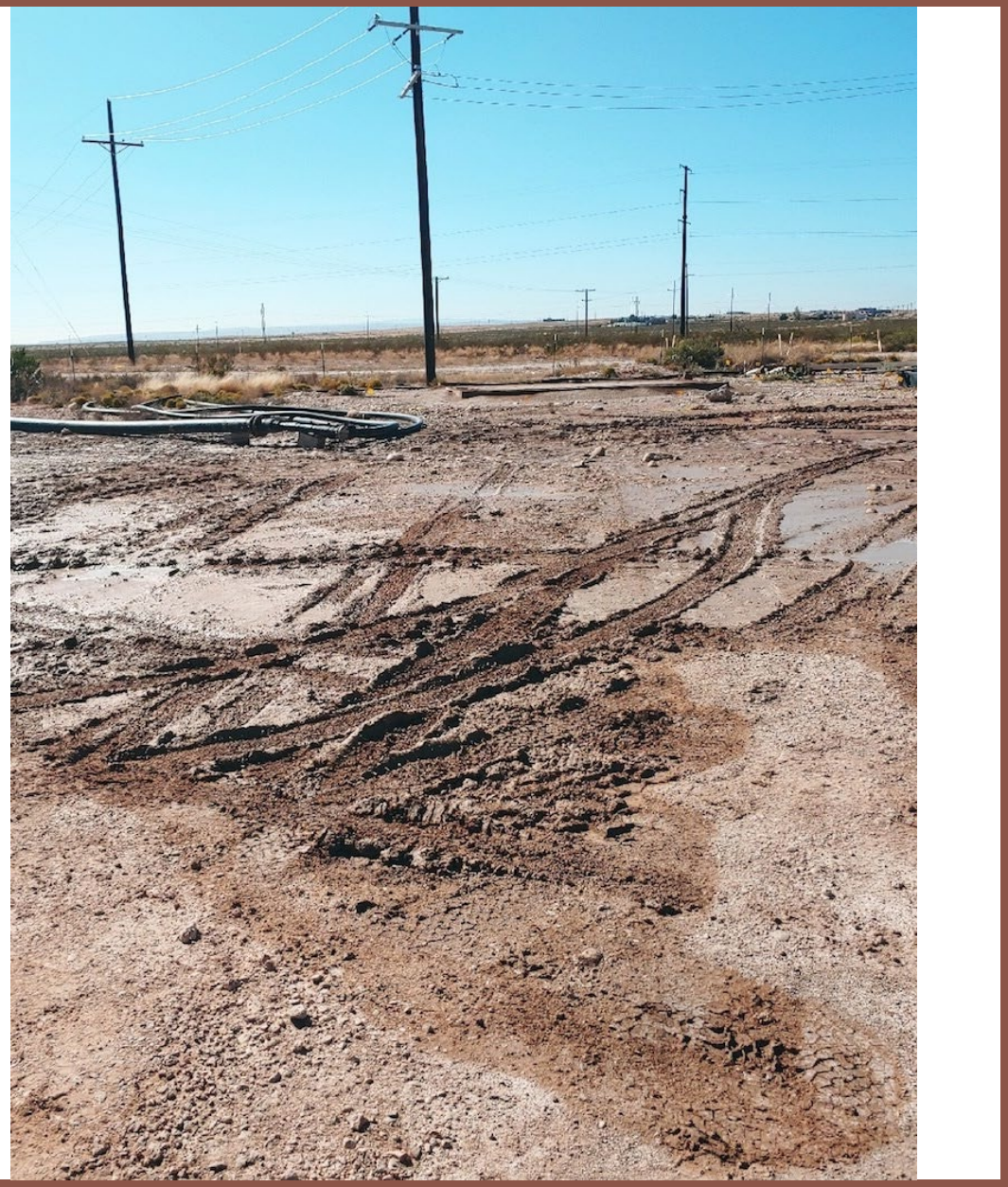
envirotech Inc.

APPENDIX D
OPEN EXCAVATION PHOTO LOG

Incident Id: nAPP2130930832

CYPRESS FEE 23 27 9 #002H

Release area



Release Area

Area 0.36 ac

8.8 mi

Details | Attached

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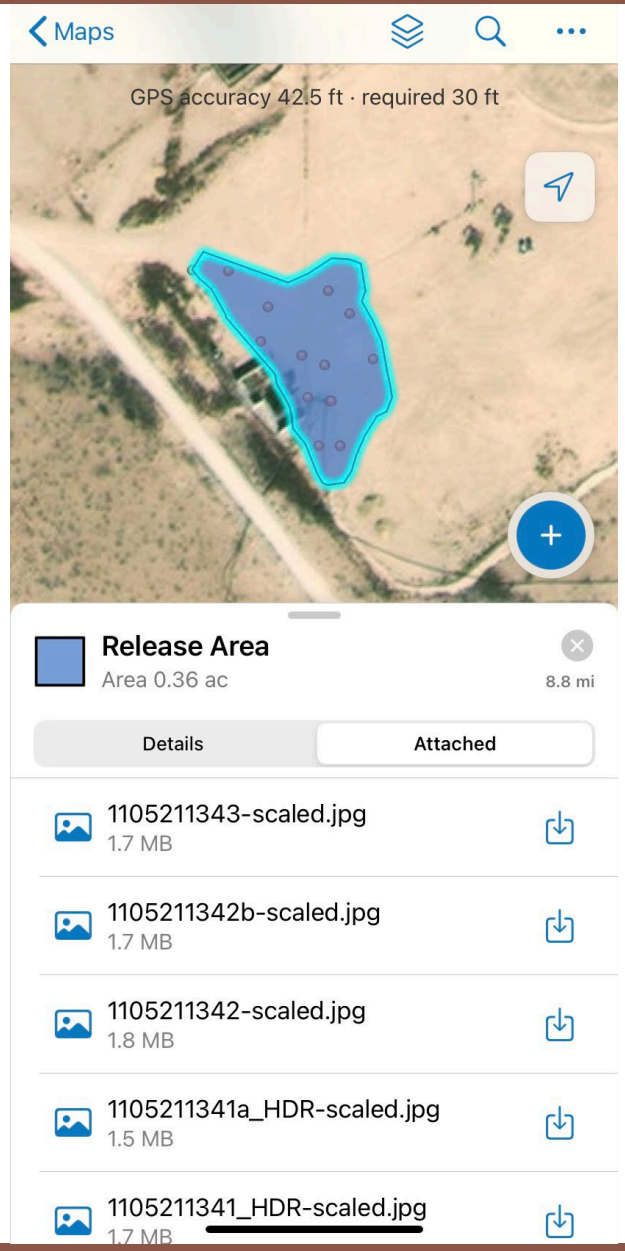
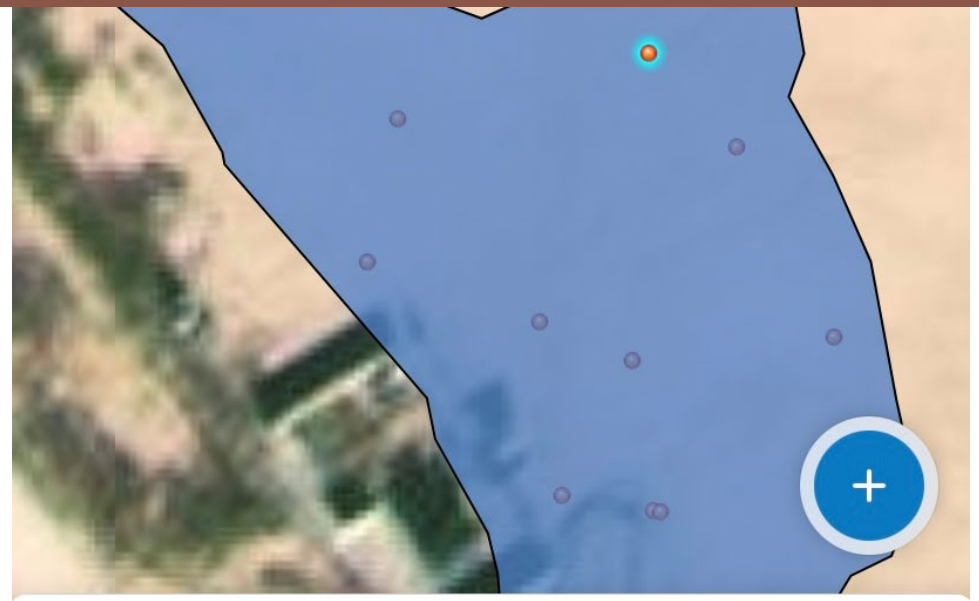
1.7 MB

1105211342b-scaled.jpg
1.7 MB

1105211342-scaled.jpg

Post excavation





Points

32.316658°N 104.202234°W

8.8 mi

Details | Attached

Created by

lupe@mmx · Dec 9, 2021

Speed (km/h)

-

Release Area

Area 0.36 ac

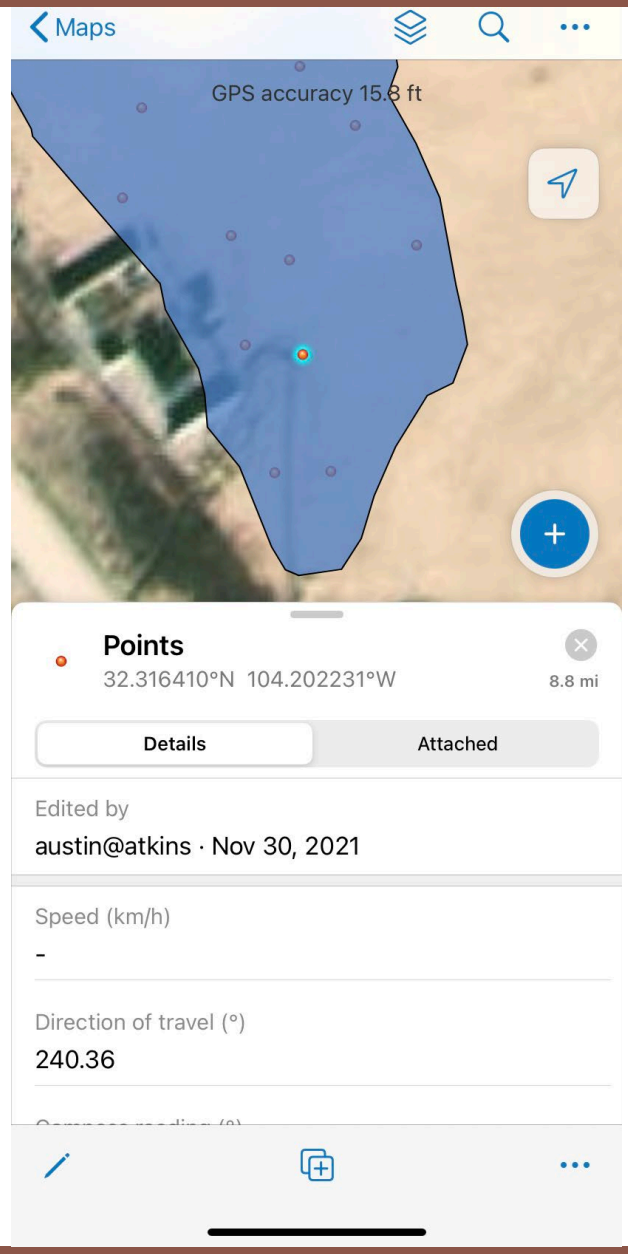
8.8 mi

Details | Attached

1105211343-scaled.jpg
1.7 MB

1105211342b-scaled.jpg
1.7 MB

1105211342-scaled.jpg


Maps
GPS accuracy 15.8 ft
Points
32.316410°N 104.202231°W
8.8 mi
Details
Attached
Edited by
austin@atkins · Nov 30, 2021
Speed (km/h)
-
Direction of travel (°)
240.36

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 93038

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 93038
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	3/31/2022